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

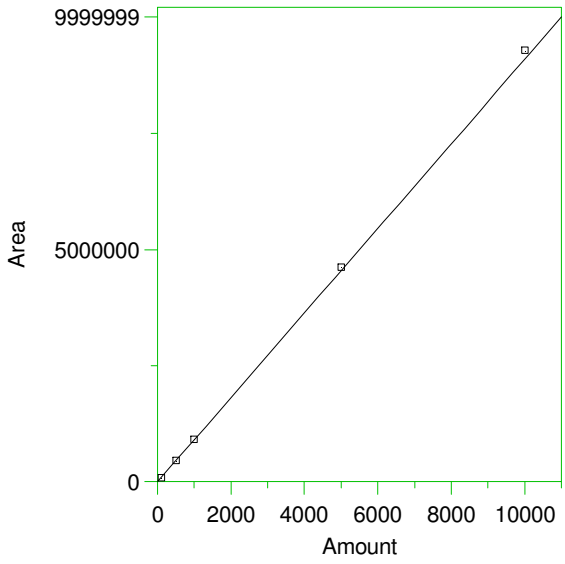
Creator: jmp
Description: 8015 GRO Composite Gasoline Std 12/8/21
Reason for change:

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

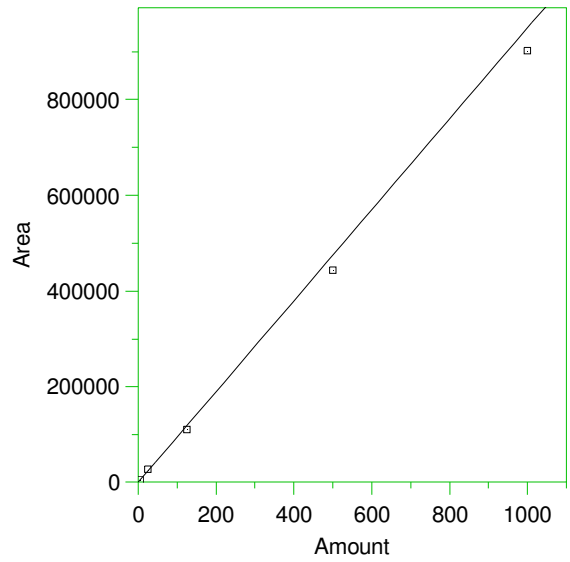
Single peak quantification by area

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

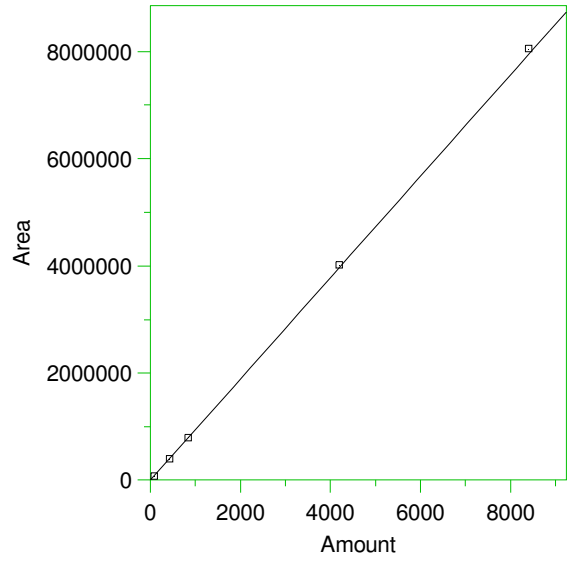
Single peak quantification by area

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

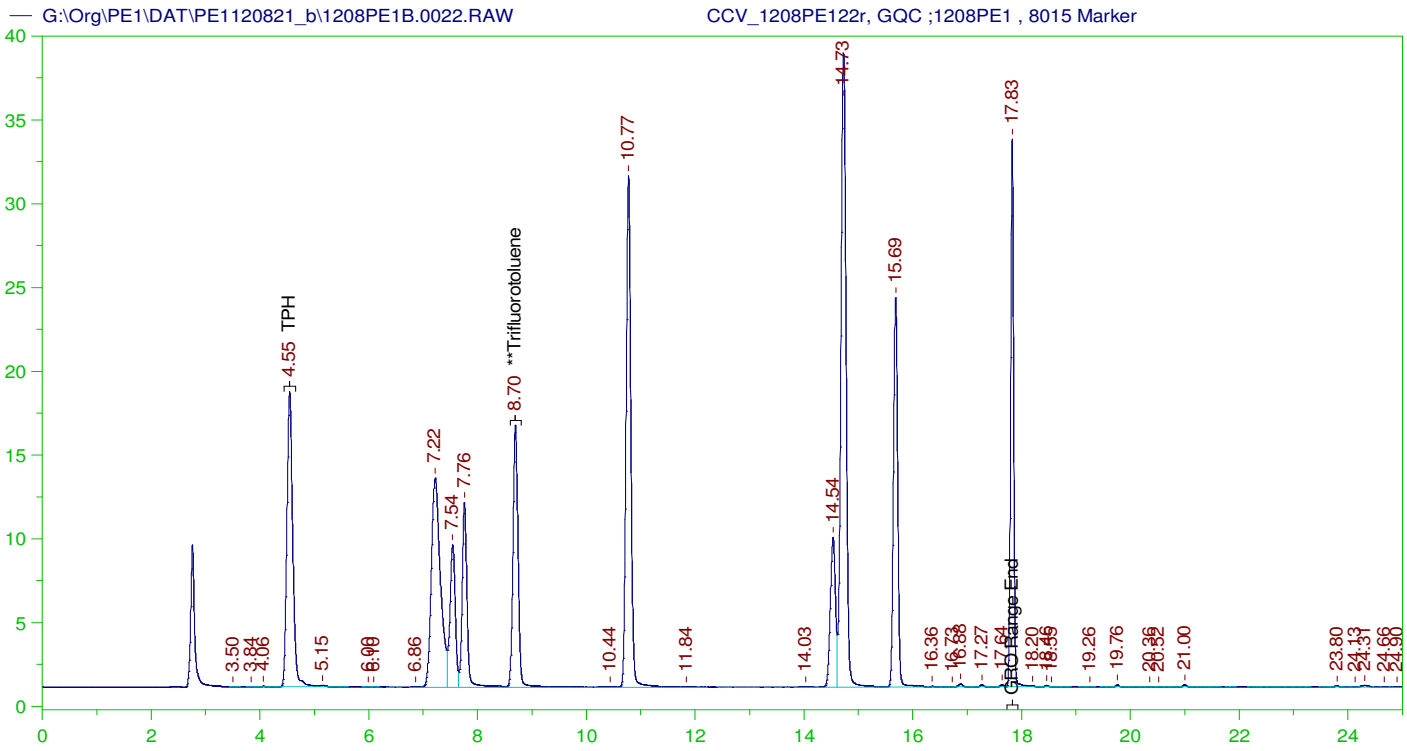
High alarm limit: 1000000
Low alarm limit: 1000
Component constant: 1

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

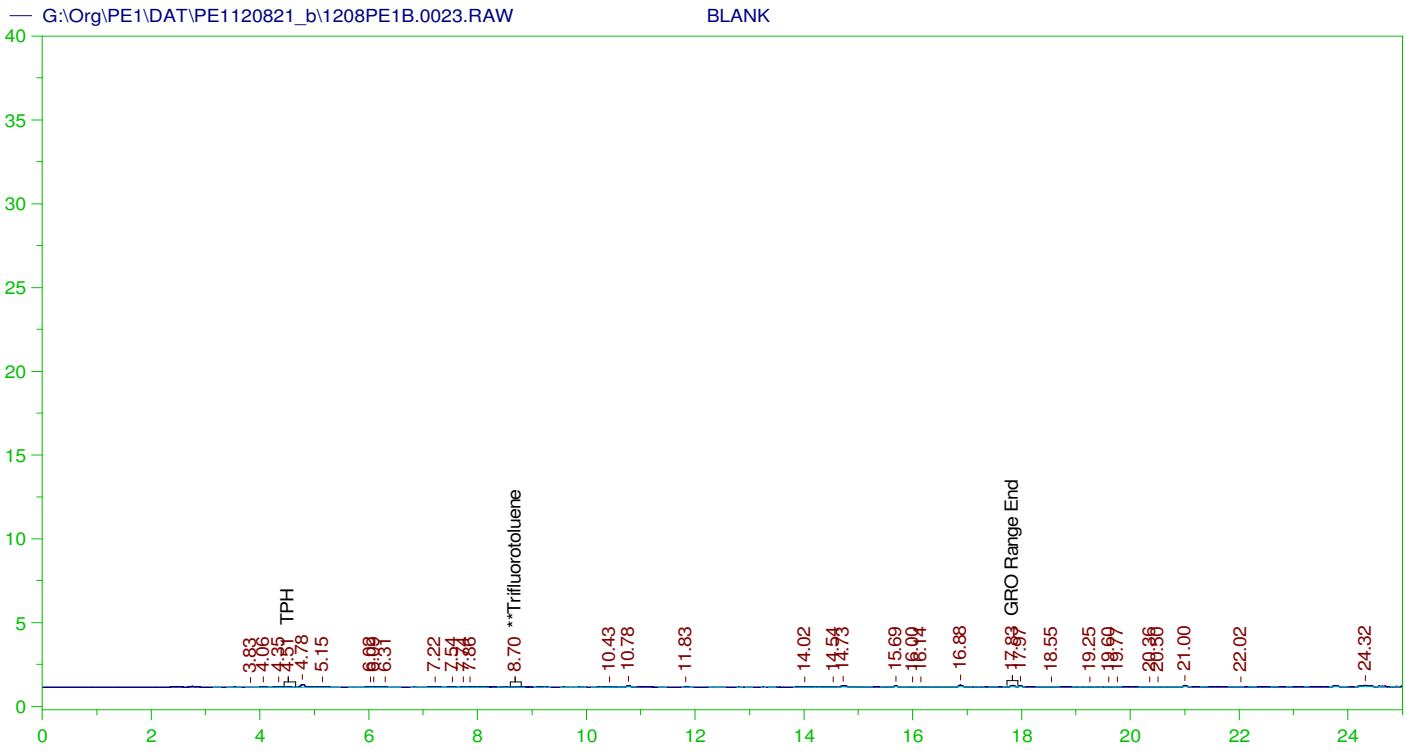
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.697	125.	106.996	85.6	-

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



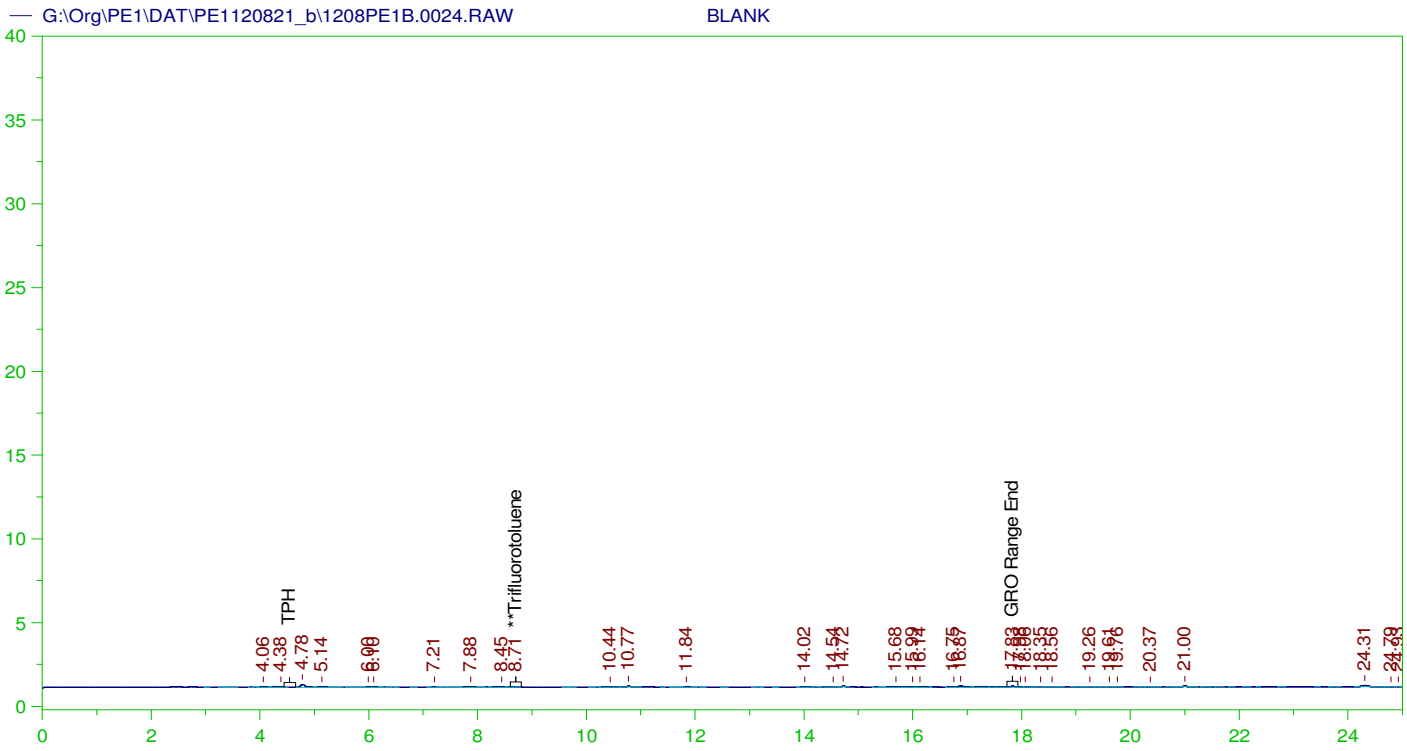
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

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



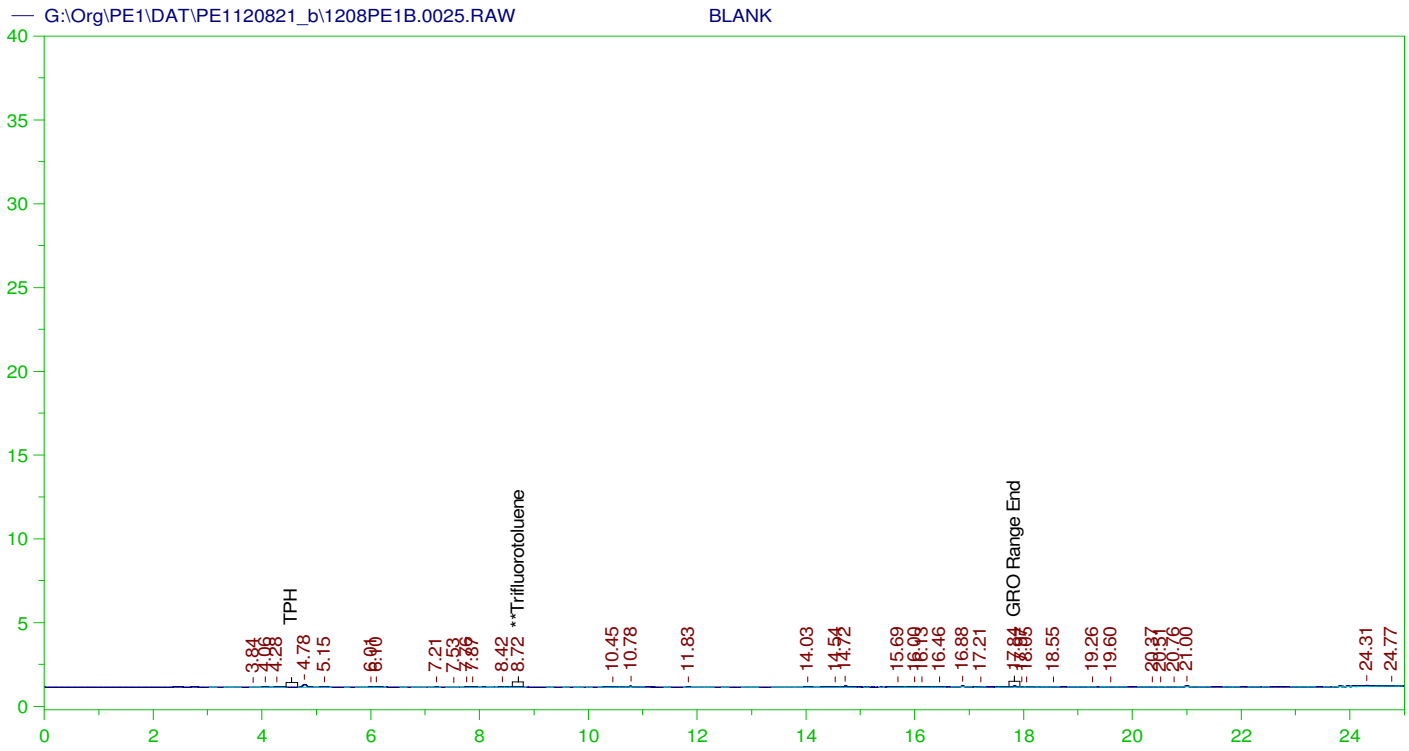
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

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



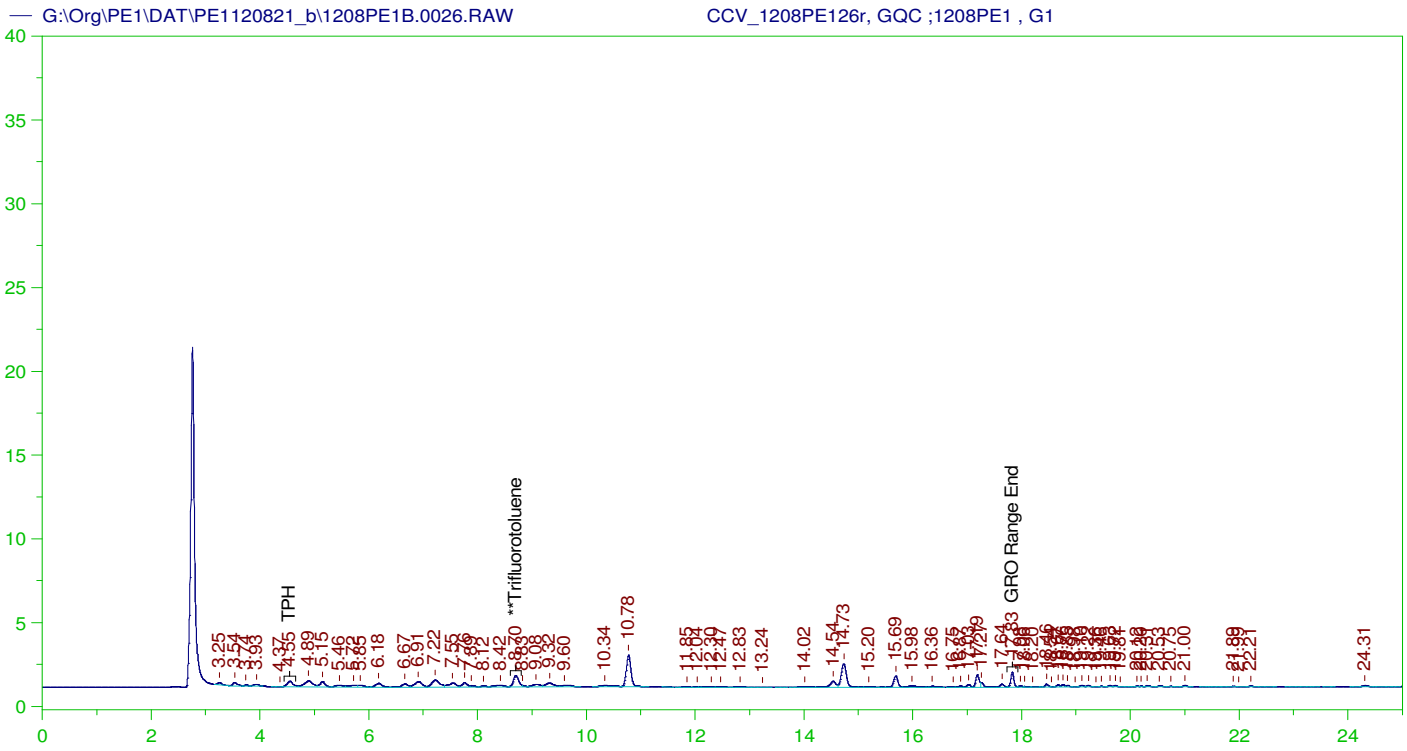
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

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

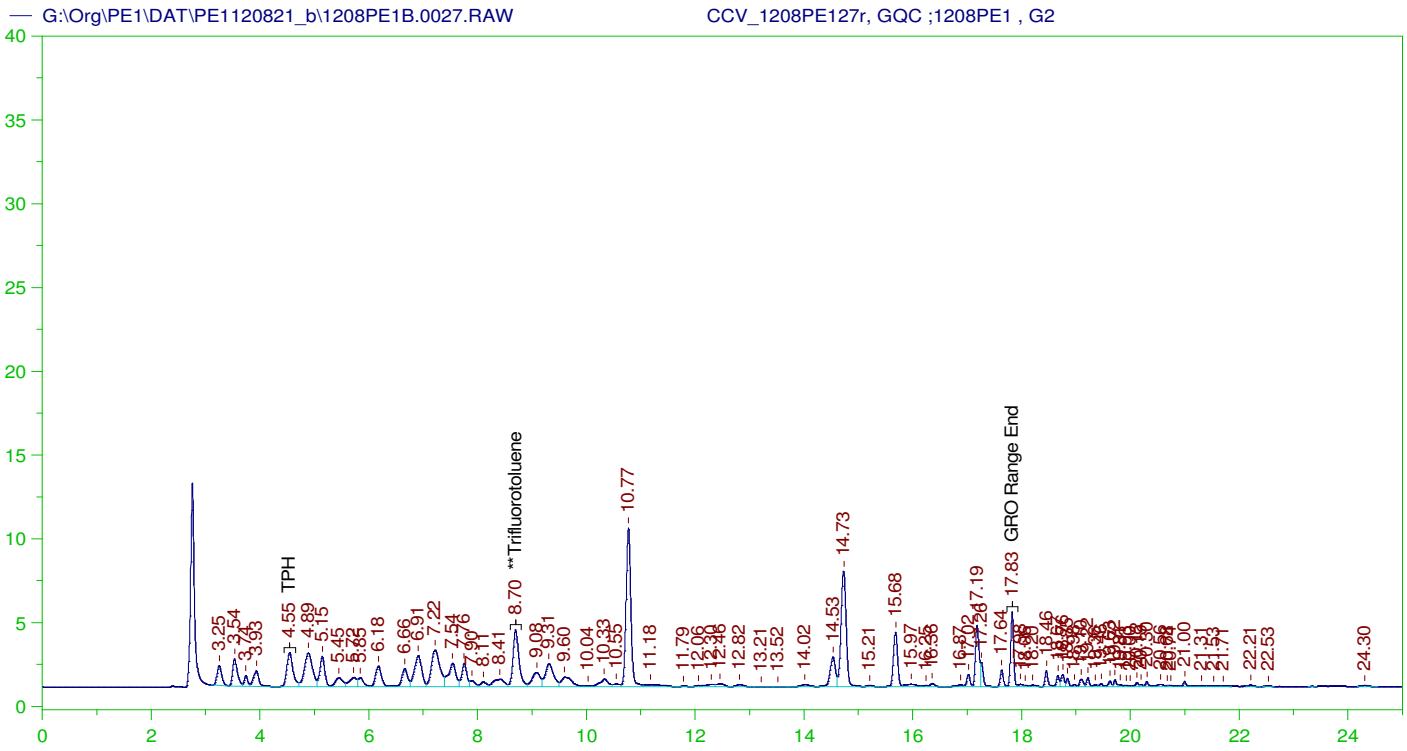
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.703	125.	5.314	4.25	-

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	-

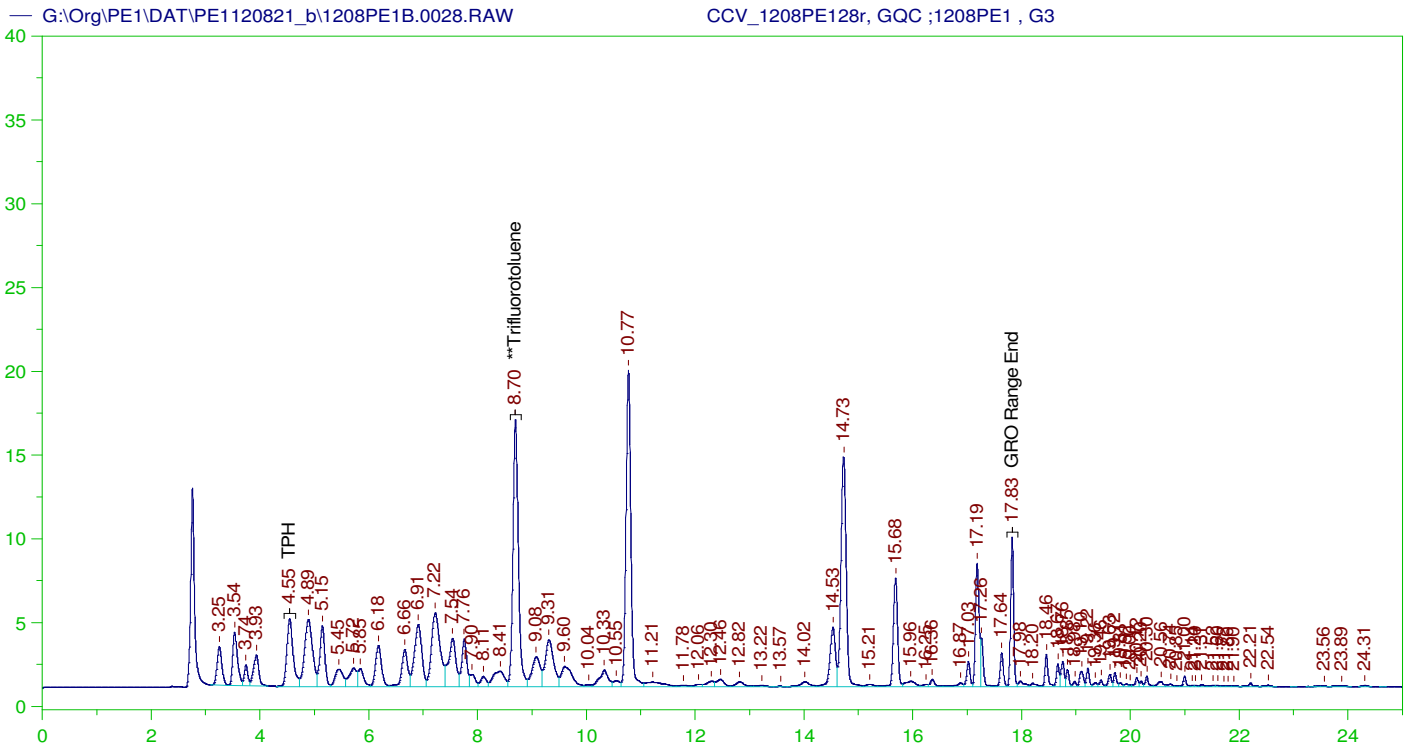
GRO Area:399703.8 GRO Amount: 422.5343
TPH Area:456104.3 TPH Amount: 501.549

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

G:\org\PE1\dat\PE1120821_b\Review\027_CCV_1208PE127r_211208GROG2B%.xls



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

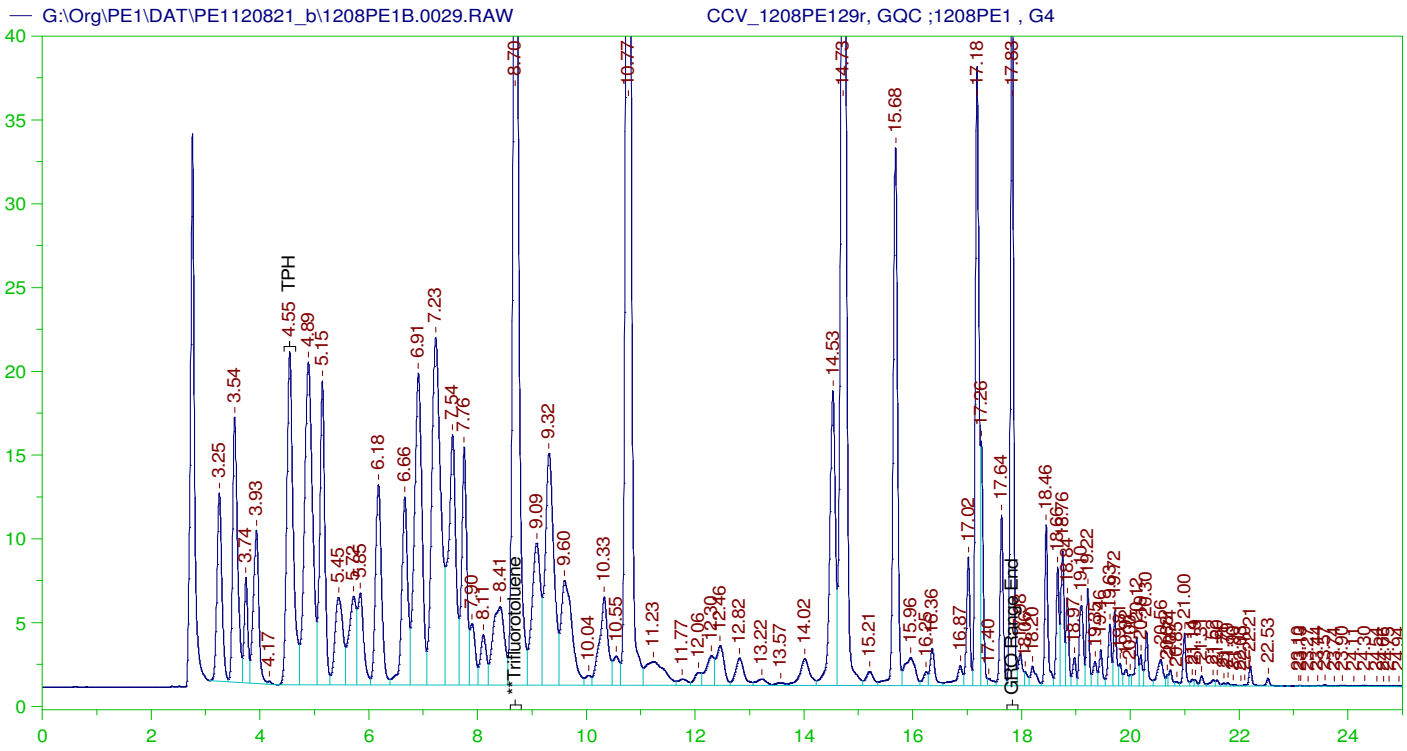
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.698	125.	117.121	93.7	-

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

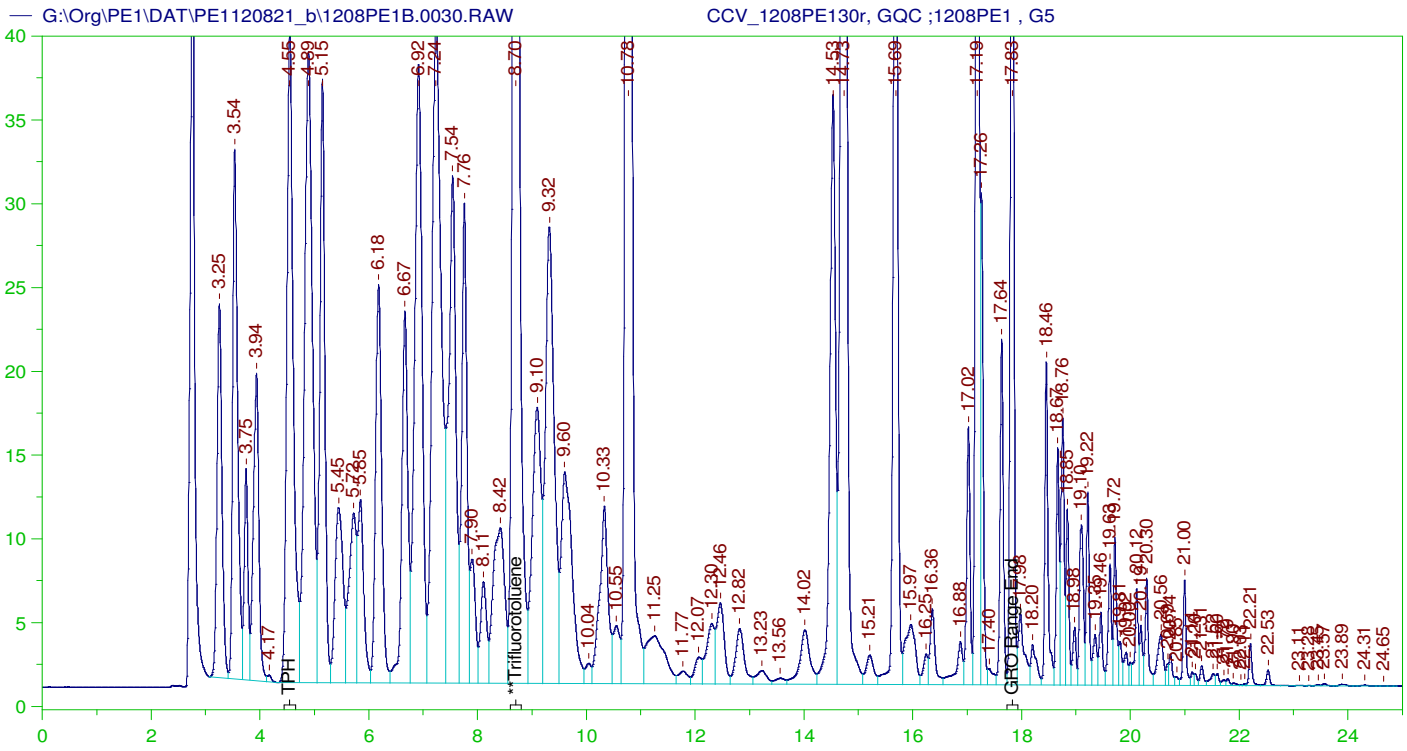
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.698	125.	466.523	373.22	-

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

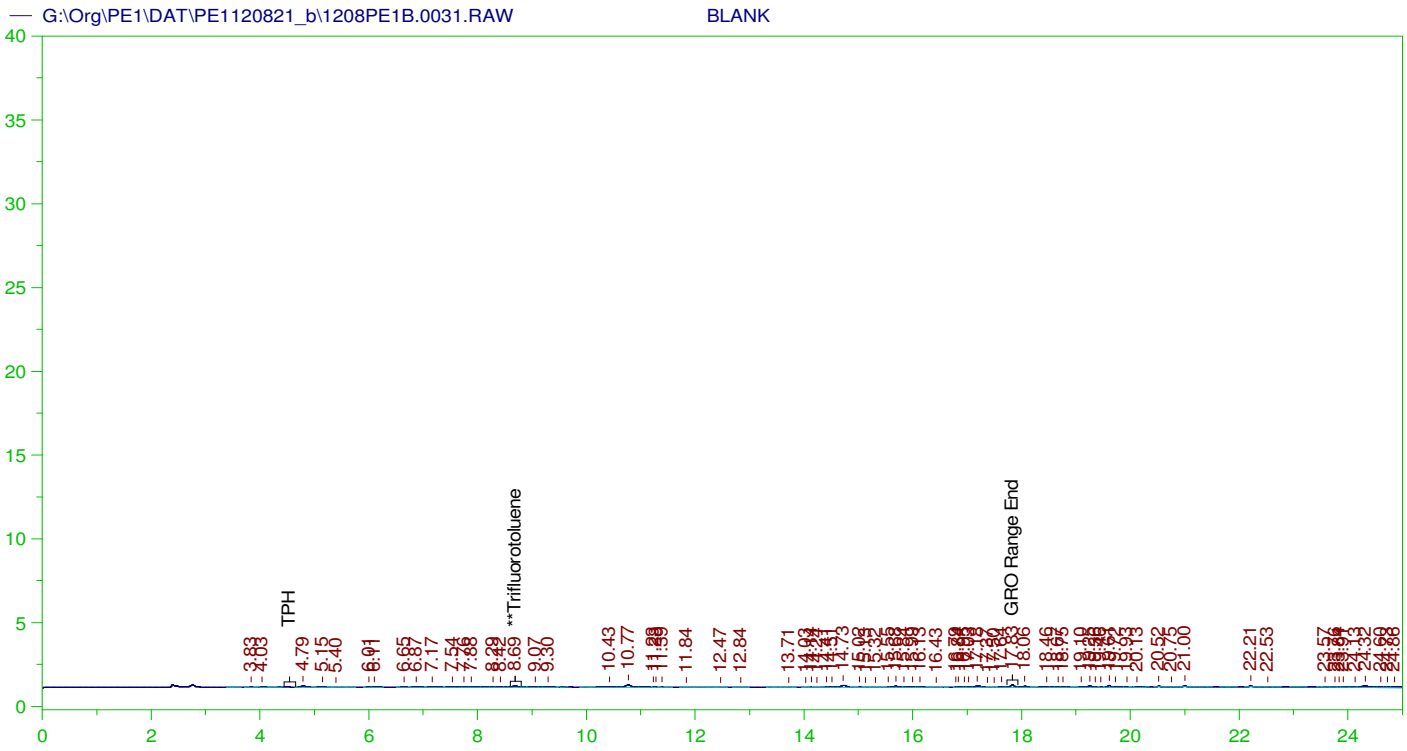
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.7	125.	950.451	760.36	-

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



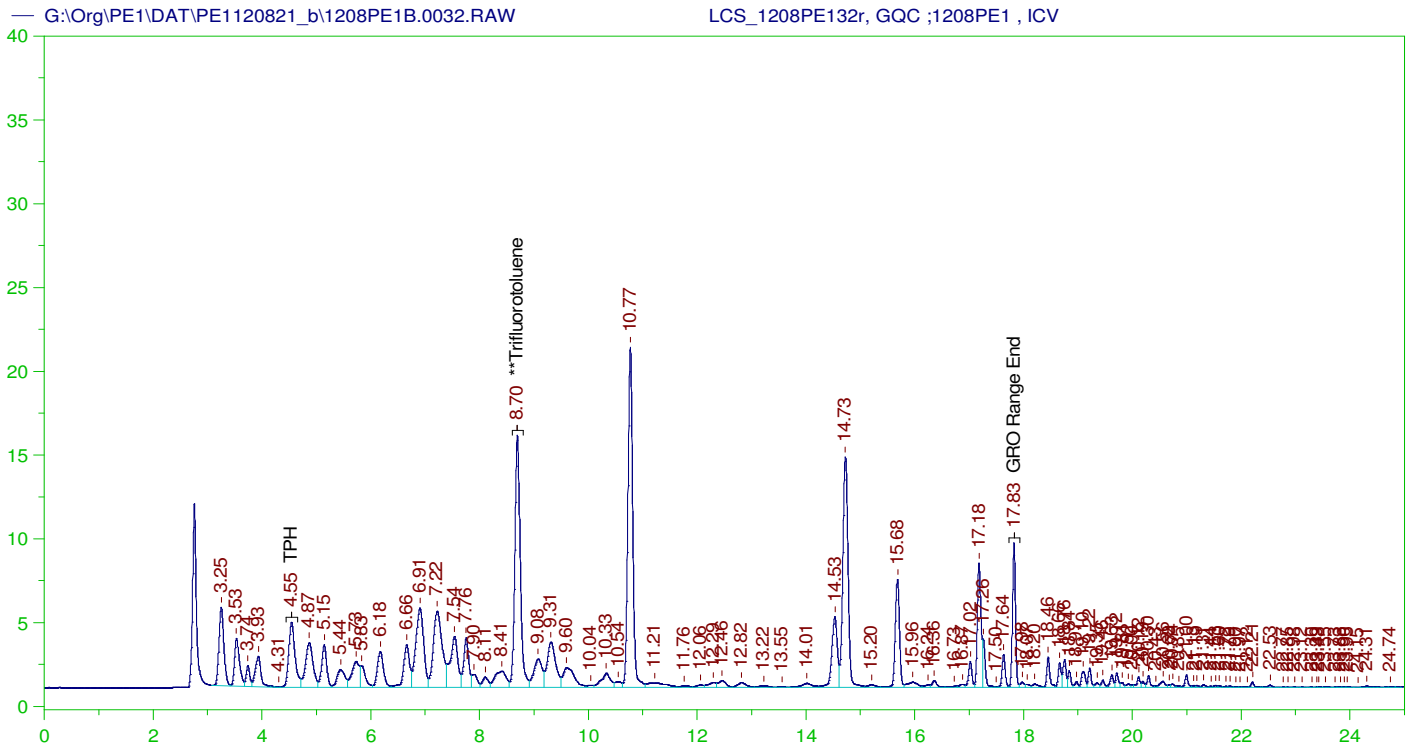
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

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



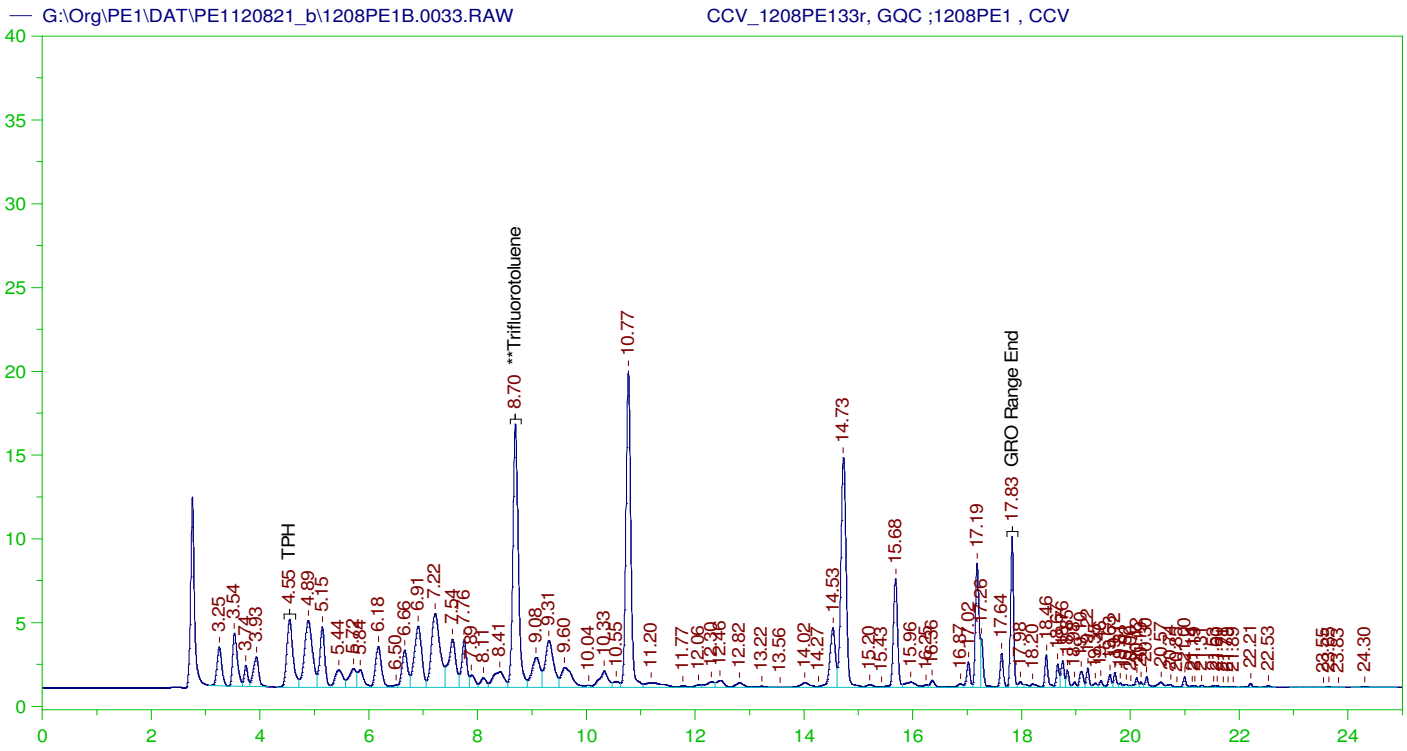
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

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

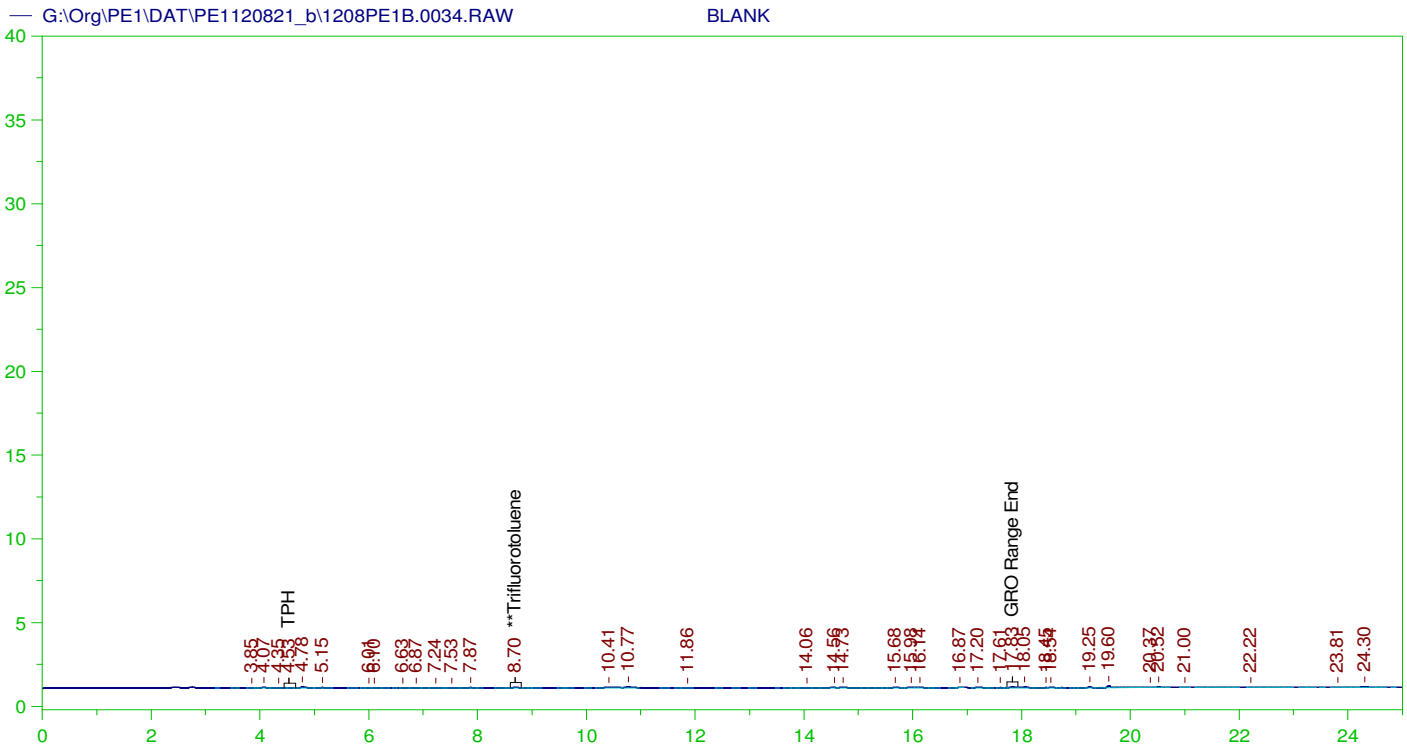
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.697	125.	116.009	92.81	-

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 Data File	Insert Entries(Have the first cell for entries selecte Sample Name	Method	Weight	Dil Factor	Amt Inj.	IS	Cal ID	Manual Integrations
G:\Org\PE1\DAT\PE1120821_b\1208PE1.22r	CCV_1208PE122r, GQC ;1208PE1 , 8015 Marker	G:\Org\PE1\Methods\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1120821_b\1208PE1.23r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1120821_b\1208PE1.24r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1120821_b\1208PE1.25r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1120821_b\1208PE1.26r	CCV_1208PE126r, GQC ;1208PE1 , G1	G:\Org\PE1\Methods\21120	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\21120	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\21120	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\21120	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\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1120821_b\1208PE1.31r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1120821_b\1208PE1.32r	LCS_1208PE132r, GQC ;1208PE1 , ICV	G:\Org\PE1\Methods\21120	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\21120	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\21120	1	1	1	1	0	None

Chemist

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

Energy Laboratories Inc

ANALYTICAL RUN Summary

18-Feb-22

Run ID PE 1_220120A

Run Start Date:	1/20/2022
Analyst:	Josie Pickard
Ical:	0
Column ID:	Rtx-502.2
Comments:	Evaluated to include numbers that are above the MDL and below the LOD per QA and client request

Std ID	Std Name	Std Amount	Std Units	Samp Amount	Samp Units	SampType	Expiration Date
GAS220104	Unleaded Gasoline Comp. Std.(2.0uL)	2	ul			CCV	6/7/2023
GQC201214	Gasoline Composite Mix (1.68uL)	1.68	ul			LCS, MS/M	4/2/2030
GROS200921	Gro Stock Standard Mt.Gro	0.84	ul			Marker	3/28/2029
SHP0292	VOA 1:1 HCl:H2O Solution	3	drops			CCV, LCS,	12/15/2025
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
14992689	CCV_0120PE10	HC-8015-GRO-	SAMP		1/20/2022 9:41:2	1	R373498		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	239.0307	239.0307		0	0	0	2.32	20	0	0%	0	0	0%	
Total Purgeable Hydrocarbons	A	ug/L	249.0853	249.0853		0	0	0	3.56	20	0	0%	0	0	0%	
Trifluorotoluene	S	ug/L	20.7788	20.7788		25	0	0	0.0743	1	0	83%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14992690	CCV_0120PE10	HC-8015-GRO-	CCV		1/20/2022 10:15:	1	R373498		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	184.3341	184.3341		168	0	0	2.32	20	0	110%	80	120	0%	
Total Purgeable Hydrocarbons	A	ug/L	220.7661	220.7661		200	0	0	3.56	20	0	110%	80	120	0%	
Trifluorotoluene	S	ug/L	23.93977	23.93977		25	0	0	0.0743	1	0	96%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14992691	LCS_0120PE10	HC-8015-GRO-	LCS		1/20/2022 10:49:	1	R373498		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	160.2502	160.2502		170	0	0	2.32	20	0	94%	78	122	0%	
Total Purgeable Hydrocarbons	A	ug/L	189.2893	189.2893		200	0	0	3.56	20	0	95%	70	130	0%	
Trifluorotoluene	S	ug/L	22.6964	22.6964		25	0	0	0.0743	1	0	91%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14992692	MBLK_0120PE	HC-8015-GRO-	MBLK		1/20/2022 11:24:	1	R373498		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%	
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	10	0	0%	0	0	0%	
Trifluorotoluene	S	ug/L	20.0065	20.0065		25	0	0	0.0743	1	0	80%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14992693	B22011124-001	HC-8015-GRO-	SAMP		1/20/2022 11:58:	1	R373498		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
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	20.00435	20.00435		25	0	0	0.0743	1	0	80%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14992694	B22011124-003	HC-8015-GRO-	SAMP		1/20/2022 1:07:0	1	R373498		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
Total Purgeable Hydrocarbons	A	ug/L	2.053564	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	19.55894	19.55894		25	0	0	0.0743	1	0	78%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14992695	B22011125-003	HC-8015-GRO-	SAMP		1/20/2022 1:41:3	1	R373498		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14992695	B22011125-003	HC-8015-GRO-	SAMP		1/20/2022 1:41:3	1	R373498		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
Total Purgeable Hydrocarbons	A	ug/L	2.06671	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	20.19957	20.19957		25	0	0	0.0743	1	0	81%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14992696	B22011126-003	HC-8015-GRO-	SAMP		1/20/2022 2:15:4	1	R373498		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
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	20.38646	20.38646		25	0	0	0.0743	1	0	82%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14992697	B22011127-003	HC-8015-GRO-	SAMP		1/20/2022 2:50:0	1	R373498		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
Total Purgeable Hydrocarbons	A	ug/L	2.064478	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	20.00778	20.00778		25	0	0	0.0743	1	0	80%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14992698	B22011129-003	HC-8015-GRO-	SAMP		1/20/2022 3:58:3	1	R373498		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
Total Purgeable Hydrocarbons	A	ug/L	2.201409	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	19.60448	19.60448		25	0	0	0.0743	1	0	78%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14992699	B22011130-003	HC-8015-GRO-	SAMP		1/20/2022 4:32:5	1	R373498		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14992699	B22011130-003	HC-8015-GRO-	SAMP		1/20/2022 4:32:5	1	R373498		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
Total Purgeable Hydrocarbons	A	ug/L	2.092087	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	20.15448	20.15448		25	0	0	0.0743	1	0	81%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14992700	B22011131-003	HC-8015-GRO-	SAMP		1/20/2022 5:07:1	1	R373498		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
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	19.7763	19.7763		25	0	0	0.0743	1	0	79%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14992701	B22011132-003	HC-8015-GRO-	SAMP		1/20/2022 5:41:3	1	R373498		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
Total Purgeable Hydrocarbons	A	ug/L	2.850693	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	19.99597	19.99597		25	0	0	0.0743	1	0	80%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14992702	B22011124-001	HC-8015-GRO-	MS		1/20/2022 6:50:2	1	R373498		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	156.6109	156.6109		170	0	0	2.32	20	0	92%	78	122	0%	
Total Purgeable Hydrocarbons	A	ug/L	185.596	185.596		200	0	0	3.56	20	0	93%	70	130	0%	
Trifluorotoluene	S	ug/L	22.71717	22.71717		25	0	0	0.0743	1	0	91%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14992703	B22011124-001	HC-8015-GRO-	MSD		1/20/2022 7:24:5	1	R373498		1E+07	1E+07	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14992703	B22011124-001	HC-8015-GRO-	MSD		1/20/2022 7:24:5	1	R373498		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	156.6635	156.6635		170	0	156.6109	2.32	20	0	92%	78	122	0%	
Total Purgeable Hydrocarbons	A	ug/L	185.1387	185.1387		200	0	185.596	3.56	20	0	93%	70	130	0%	
Trifluorotoluene	S	ug/L	22.85948	22.85948		25	0	0	0.0743	1	0	91%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14992704	CCV_0120PE12	HC-8015-GRO-	SAMP		1/20/2022 8:33:3	1	R373498		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	224.6099	224.6099		0	0	0	2.32	20	0	0%	0	0	0%	
Total Purgeable Hydrocarbons	A	ug/L	234.1694	234.1694		0	0	0	3.56	20	0	0%	0	0	0%	
Trifluorotoluene	S	ug/L	19.65531	19.65531		25	0	0	0.0743	1	0	79%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14992705	CCV_0120PE12	HC-8015-GRO-	CCV		1/20/2022 9:07:4	1	R373498		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	180.4831	180.4831		168	0	0	2.32	20	0	107%	80	120	0%	
Total Purgeable Hydrocarbons	A	ug/L	216.0255	216.0255		200	0	0	3.56	20	0	108%	80	120	0%	
Trifluorotoluene	S	ug/L	23.4734	23.4734		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
14992706	LCS_0120PE12	HC-8015-GRO-	LCS		1/20/2022 9:42:1	1	R373498		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	150.87	150.87		170	0	0	2.32	20	0	89%	78	122	0%	
Total Purgeable Hydrocarbons	A	ug/L	178.1796	178.1796		200	0	0	3.56	20	0	89%	70	130	0%	
Trifluorotoluene	S	ug/L	21.99084	21.99084		25	0	0	0.0743	1	0	88%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14992707	MBLK_0120PE	HC-8015-GRO-	MBLK		1/20/2022 10:16:	1	R373498		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14992707	MBLK_0120PE	HC-8015-GRO-	MBLK		1/20/2022 10:16:	1	R373498		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%	
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	10	0	0%	0	0	0%	
Trifluorotoluene	S	ug/L	20.23373	20.23373		25	0	0	0.0743	1	0	81%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14992708	B22011133-003	HC-8015-GRO-	SAMP		1/20/2022 10:50:	1	R373498		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
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	20.06214	20.06214		25	0	0	0.0743	1	0	80%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14992709	B22011125-001	HC-8015-GRO-	SAMP		1/20/2022 11:25:	1	R373498		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
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	19.63003	19.63003		25	0	0	0.0743	1	0	79%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14992710	B22011126-001	HC-8015-GRO-	SAMP		1/21/2022 12:34:	1	R373498		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
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	20.17544	20.17544		25	0	0	0.0743	1	0	81%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14992711	B22011127-001	HC-8015-GRO-	SAMP		1/21/2022 1:08:2	1	R373498		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14992711	B22011127-001	HC-8015-GRO-	SAMP		1/21/2022 1:08:2	1	R373498		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
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	19.99038	19.99038		25	0	0	0.0743	1	0	80%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14992712	B22011128-001	HC-8015-GRO-	SAMP		1/21/2022 2:17:0	1	R373498		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
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	19.66526	19.66526		25	0	0	0.0743	1	0	79%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14992713	B22011129-001	HC-8015-GRO-	SAMP		1/21/2022 2:51:2	1	R373498		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	30.08257	30.08257		0	0	0	2.32	20	0	0%	0	0	0%	
Total Purgeable Hydrocarbons	A	ug/L	37.96661	37.96661		0	0	0	3.56	20	0	0%	0	0	0%	
Trifluorotoluene	S	ug/L	21.68366	21.68366		25	0	0	0.0743	1	0	87%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14992714	B22011132-001	HC-8015-GRO-	SAMP		1/21/2022 5:42:4	1	R373498		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
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	19.68522	19.68522		25	0	0	0.0743	1	0	79%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14992715	B22011133-001	HC-8015-GRO-	SAMP		1/21/2022 6:17:0	1	R373498		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14992715	B22011133-001	HC-8015-GRO-	SAMP		1/21/2022 6:17:0	1	R373498		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
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	19.40569	19.40569		25	0	0	0.0743	1	0	78%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14992716	CCV_0120PE14	HC-8015-GRO-	SAMP		1/21/2022 7:25:4	1	R373498		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	222.5863	222.5863		0	0	0	2.32	20	0	0%	0	0	0%	
Total Purgeable Hydrocarbons	A	ug/L	232.1174	232.1174		0	0	0	3.56	20	0	0%	0	0	0%	
Trifluorotoluene	S	ug/L	19.65821	19.65821		25	0	0	0.0743	1	0	79%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14992717	CCV_0120PE14	HC-8015-GRO-	CCV		1/21/2022 7:59:5	1	R373498		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	168.9038	168.9038		168	0	0	2.32	20	0	101%	80	120	0%	
Total Purgeable Hydrocarbons	A	ug/L	202.8736	202.8736		200	0	0	3.56	20	0	101%	80	120	0%	
Trifluorotoluene	S	ug/L	22.45234	22.45234		25	0	0	0.0743	1	0	90%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14992718	LCS_0120PE14	HC-8015-GRO-	LCS		1/21/2022 8:34:0	1	R373498		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	155.746	155.746		170	0	0	2.32	20	0	92%	78	122	0%	
Total Purgeable Hydrocarbons	A	ug/L	183.5047	183.5047		200	0	0	3.56	20	0	92%	70	130	0%	
Trifluorotoluene	S	ug/L	22.17251	22.17251		25	0	0	0.0743	1	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
14992719	MBLK_0120PE	HC-8015-GRO-	MBLK		1/21/2022 9:08:2	1	R373498		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14992719	MBLK_0120PE	HC-8015-GRO-	MBLK		1/21/2022 9:08:2	1	R373498		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%	
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	10	0	0%	0	0	0%	
Trifluorotoluene	S	ug/L	20.26402	20.26402		25	0	0	0.0743	1	0	81%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14992720	B22011130-001	HC-8015-GRO-	SAMP		1/21/2022 9:42:3	1	R373498		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
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	19.43074	19.43074		25	0	0	0.0743	1	0	78%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14992721	B22011131-001	HC-8015-GRO-	SAMP		1/21/2022 10:16:	1	R373498		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
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	20.12179	20.12179		25	0	0	0.0743	1	0	80%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14992722	B22011128-003	HC-8015-GRO-	SAMP		1/21/2022 10:51:	1	R373498		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
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	19.60327	19.60327		25	0	0	0.0743	1	0	78%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14992723	B22011136-001	HC-8015-GRO-	SAMP		1/21/2022 11:25:	1	R373498		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14992723	B22011136-001	HC-8015-GRO-	SAMP		1/21/2022 11:25:	1	R373498		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
Total Purgeable Hydrocarbons	A	ug/L	2.015549	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	19.42414	19.42414		25	0	0	0.0743	1	0	78%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14992724	B22011134-004	HC-8015-GRO-	SAMP		1/21/2022 12:34:	1	R373498		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
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	19.55929	19.55929		25	0	0	0.0743	1	0	78%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14992725	B22011136-003	HC-8015-GRO-	SAMP		1/21/2022 1:08:3	1	R373498		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
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	19.45271	19.45271		25	0	0	0.0743	1	0	78%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14992726	B22011137-003	HC-8015-GRO-	SAMP		1/21/2022 1:42:4	1	R373498		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
Total Purgeable Hydrocarbons	A	ug/L	2.110348	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	19.49383	19.49383		25	0	0	0.0743	1	0	78%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14992727	B22011214-003	HC-8015-GRO-	SAMP		1/21/2022 2:16:5	1	R373498		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14992727	B22011214-003	HC-8015-GRO-	SAMP		1/21/2022 2:16:5	1	R373498		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
Total Purgeable Hydrocarbons	A	ug/L	2.031422	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	19.46085	19.46085		25	0	0	0.0743	1	0	78%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14992728	B22011227-003	HC-8015-GRO-	SAMP		1/21/2022 2:51:0	1	R373498		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
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	19.9427	19.9427		25	0	0	0.0743	1	0	80%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14992729	B22011228-003	HC-8015-GRO-	SAMP		1/21/2022 3:25:1	1	R373498		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
Total Purgeable Hydrocarbons	A	ug/L	2.007054	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	19.64861	19.64861		25	0	0	0.0743	1	0	79%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14992730	B22011136-001	HC-8015-GRO-	MS		1/21/2022 4:33:4	1	R373498		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	151.8374	151.8374		170	0	0	2.32	20	0	89%	78	122	0%	
Total Purgeable Hydrocarbons	A	ug/L	179.5659	179.5659		200	0	0	3.56	20	0	90%	70	130	0%	
Trifluorotoluene	S	ug/L	20.8055	20.8055		25	0	0	0.0743	1	0	83%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14992731	B22011136-001	HC-8015-GRO-	MSD		1/21/2022 5:08:0	1	R373498		1E+07	1E+07	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14992731	B22011136-001	HC-8015-GRO-	MSD		1/21/2022 5:08:0	1	R373498		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	153.8296	153.8296		170	0	151.8374	2.32	20	0	90%	78	122	1%	
Total Purgeable Hydrocarbons	A	ug/L	181.4095	181.4095		200	0	179.5659	3.56	20	0	91%	70	130	1%	
Trifluorotoluene	S	ug/L	21.52617	21.52617		25	0	0	0.0743	1	0	86%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14992732	CCV_0120PE16	HC-8015-GRO-	SAMP		1/21/2022 6:16:5	1	R373498		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	227.4919	227.4919		0	0	0	2.32	20	0	0%	0	0	0%	
Total Purgeable Hydrocarbons	A	ug/L	237.0203	237.0203		0	0	0	3.56	20	0	0%	0	0	0%	
Trifluorotoluene	S	ug/L	18.85364	18.85364		25	0	0	0.0743	1	0	75%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14992733	CCV_0120PE16	HC-8015-GRO-	CCV		1/21/2022 6:51:2	1	R373498		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	180.5162	180.5162		168	0	0	2.32	20	0	107%	80	120	0%	
Total Purgeable Hydrocarbons	A	ug/L	217.5309	217.5309		200	0	0	3.56	20	0	109%	80	120	0%	
Trifluorotoluene	S	ug/L	22.24727	22.24727		25	0	0	0.0743	1	0	89%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14992734	LCS_0120PE16	HC-8015-GRO-	LCS		1/21/2022 7:25:4	1	R373498		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	146.895	146.895		170	0	0	2.32	20	0	86%	78	122	0%	
Total Purgeable Hydrocarbons	A	ug/L	173.1061	173.1061		200	0	0	3.56	20	0	87%	70	130	0%	
Trifluorotoluene	S	ug/L	20.94691	20.94691		25	0	0	0.0743	1	0	84%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14992735	MBLK_0120PE	HC-8015-GRO-	MBLK		1/21/2022 8:00:0	1	R373498		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14992735	MBLK_0120PE	HC-8015-GRO-	MBLK		1/21/2022 8:00:0	1	R373498		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%	
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	10	0	0%	0	0	0%	
Trifluorotoluene	S	ug/L	18.54159	18.54159		25	0	0	0.0743	1	0	74%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14992736	B22011135-003	HC-8015-GRO-	SAMP		1/21/2022 8:34:1	1	R373498		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
Total Purgeable Hydrocarbons	A	ug/L	2.326536	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	18.00624	18.00624		25	0	0	0.0743	1	0	72%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14992737	B22011134-001	HC-8015-GRO-	SAMP		1/21/2022 9:08:3	1	R373498		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	2.485615	2.485615		0	0	0	2.32	20	0	0%	0	0	0%	J
Total Purgeable Hydrocarbons	A	ug/L	42.3896	42.3896		0	0	0	3.56	20	0	0%	0	0	0%	
Trifluorotoluene	S	ug/L	19.03168	19.03168		25	0	0	0.0743	1	0	76%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14992738	B22011134-002	HC-8015-GRO-	SAMP		1/21/2022 10:17:	1	R373498		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	2.126058	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	41.39277	41.39277		0	0	0	3.56	20	0	0%	0	0	0%	
Trifluorotoluene	S	ug/L	19.09601	19.09601		25	0	0	0.0743	1	0	76%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14992739	B22011135-001	HC-8015-GRO-	SAMP		1/21/2022 11:25:	1	R373498		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14992739	B22011135-001	HC-8015-GRO-	SAMP		1/21/2022 11:25:	1	R373498		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
Total Purgeable Hydrocarbons	A	ug/L	2.583772	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	18.28075	18.28075		25	0	0	0.0743	1	0	73%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14992740	B22011137-001	HC-8015-GRO-	SAMP		1/22/2022 12:34:	1	R373498		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	37.91792	37.91792		0	0	0	2.32	20	0	0%	0	0	0%	
Total Purgeable Hydrocarbons	A	ug/L	1134.306	1134.306		0	0	0	3.56	20	0	0%	0	0	0%	
Trifluorotoluene	S	ug/L	19.70923	19.70923		25	0	0	0.0743	1	0	79%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14992741	B22011214-001	HC-8015-GRO-	SAMP		1/22/2022 1:43:1	1	R373498		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
Total Purgeable Hydrocarbons	A	ug/L	2.242026	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	18.6859	18.6859		25	0	0	0.0743	1	0	75%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14992742	B22011227-001	HC-8015-GRO-	SAMP		1/22/2022 2:51:4	1	R373498		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
Total Purgeable Hydrocarbons	A	ug/L	2.05813	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	18.87133	18.87133		25	0	0	0.0743	1	0	75%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14992743	B22011228-001	HC-8015-GRO-	SAMP		1/22/2022 4:00:2	1	R373498		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14992743	B22011228-001	HC-8015-GRO-	SAMP		1/22/2022 4:00:2	1	R373498		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
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	18.93484	18.93484		25	0	0	0.0743	1	0	76%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14992744	CCV_0120PE17	HC-8015-GRO-	SAMP		1/22/2022 5:09:0	1	R373498		0	0	

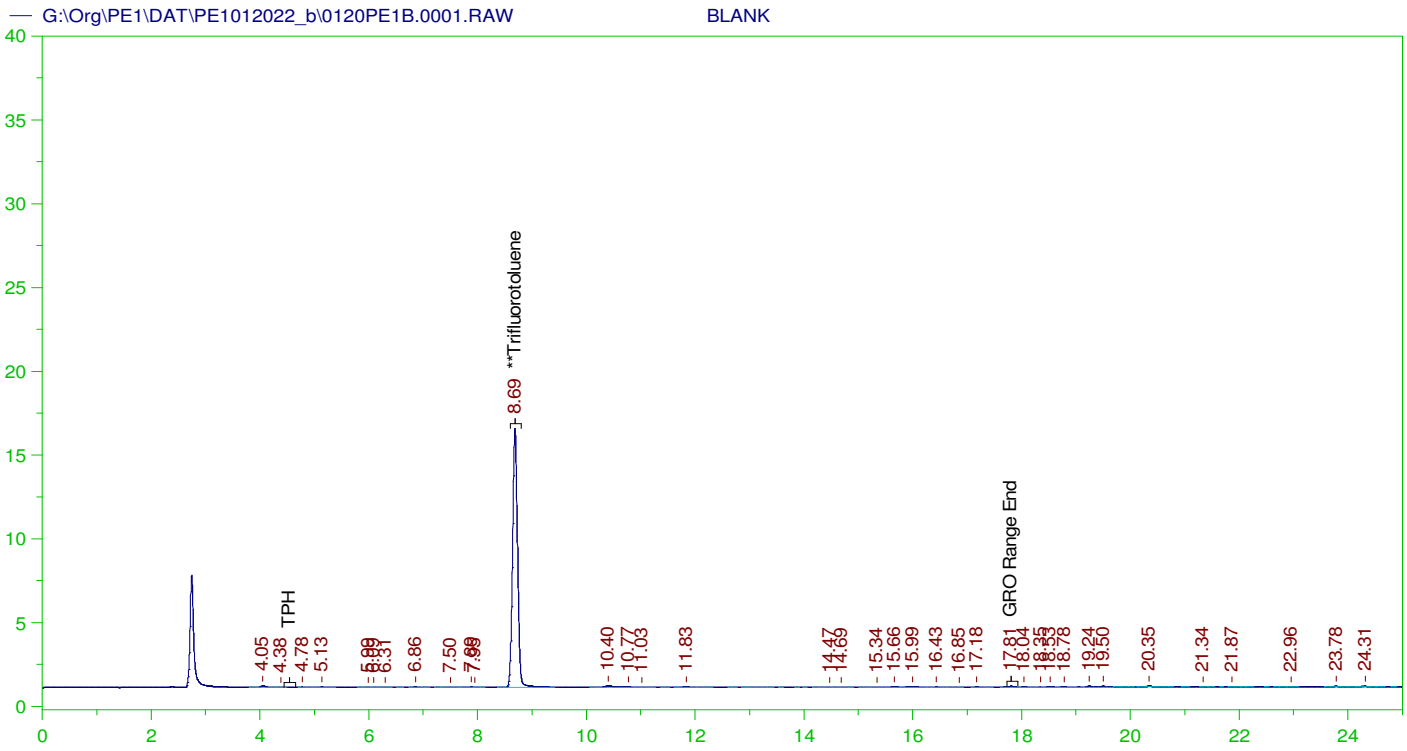
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	224.7642	224.7642		0	0	0	2.32	20	0	0%	0	0	0%	
Total Purgeable Hydrocarbons	A	ug/L	234.329	234.329		0	0	0	3.56	20	0	0%	0	0	0%	
Trifluorotoluene	S	ug/L	19.04104	19.04104		25	0	0	0.0743	1	0	76%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14992745	CCV_0120PE18	HC-8015-GRO-	CCV		1/22/2022 5:43:2	1	R373498		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	174.4293	174.4293		168	0	0	2.32	20	0	104%	80	120	0%	
Total Purgeable Hydrocarbons	A	ug/L	209.4591	209.4591		200	0	0	3.56	20	0	105%	80	120	0%	
Trifluorotoluene	S	ug/L	22.18195	22.18195		25	0	0	0.0743	1	0	89%	80	120	0%	

Write Sequence Data File	Insert Entries(Have the first cell for entries selecte Sample Name	Method	Weight	Dil Factor	Amt Inj.	IS	Cal ID
G:\Org\PE1\DAT\PE1012022_b\0120PE1.01r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.02r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.03r	CCV_0120PE103r, GQC ;0120PE1 ,	G:\Org\PE1\Methods\21120	1	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.04r	CCV_0120PE104r, GQC ;0120PE1 ,	G:\Org\PE1\Methods\21120	1	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.05r	LCS_0120PE105r, GQC ;0120PE1 ,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.06r	MBLK_0120PE106r, QC ;0120PE1 ,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.07r	B22011124-001G ;0120PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.08r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.09r	B22011124-003A ;0120PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.10r	B22011125-003A ;0120PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.11r	B22011126-003A ;0120PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.12r	B22011127-003A ;0120PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.13r	*B22011128-003A ;0120PE1 , $HC-8015-GRO-W,*	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.14r	B22011129-003A ;0120PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.15r	B22011130-003A ;0120PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.16r	B22011131-003A ;0120PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.17r	B22011132-003A ;0120PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.18r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.19r	B22011124-001GMS, GQC ;0120PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.20r	B22011124-001GMSD, GQC ;0120PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.21r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.22r	CCV_0120PE122r, GQC ;0120PE1 ,	G:\Org\PE1\Methods\21120	1	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.23r	CCV_0120PE123r, GQC ;0120PE1 ,	G:\Org\PE1\Methods\21120	1	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.24r	LCS_0120PE124r, GQC ;0120PE1 ,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.25r	MBLK_0120PE125r, QC ;0120PE1 ,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.26r	B22011133-003A ;0120PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.27r	B22011125-001G ;0120PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.28r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.29r	B22011126-001G ;0120PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.30r	B22011127-001G ;0120PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.31r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.32r	B22011128-001G ;0120PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.33r	B22011129-001G ;0120PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.34r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.35r	*B22011130-001G ;0120PE1 , $HC-8015-GRO-W,*	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.36r	*B22011131-001G ;0120PE1 , $HC-8015-GRO-W,*	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.37r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.38r	B22011132-001G ;0120PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.39r	B22011133-001G ;0120PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.40r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.41r	CCV_0120PE141r, GQC ;0120PE1 ,	G:\Org\PE1\Methods\21120	1	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.42r	CCV_0120PE142r, GQC ;0120PE1 ,	G:\Org\PE1\Methods\21120	1	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.43r	LCS_0120PE143r, GQC ;0120PE1 ,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.44r	MBLK_0120PE144r, QC ;0120PE1 ,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.45r	B22011130-001G ;0120PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.46r	B22011131-001G ;0120PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.47r	B22011128-003A ;0120PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.48r	B22011136-001G ;0120PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0

G:\Org\PE1\DAT\PE1012022_b\0120PE1.49r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.50r	B22011134-004A ;0120PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.51r	B22011136-003A ;0120PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.52r	B22011137-003A ;0120PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.53r	B22011214-003A ;0120PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.54r	B22011227-003A ;0120PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.55r	B22011228-003A ;0120PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.56r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.57r	B22011136-001GMS, GQC ;0120PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.58r	B22011136-001GMSD, GQC ;0120PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.59r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.60r	CCV_0120PE160r, GQC ;0120PE1 ,	G:\Org\PE1\Methods\21120	1	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.61r	CCV_0120PE161r, GQC ;0120PE1 ,	G:\Org\PE1\Methods\21120	1	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.62r	LCS_0120PE162r, GQC ;0120PE1 ,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.63r	MBLK_0120PE163r, QC ;0120PE1 ,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.64r	B22011135-003A ;0120PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.65r	B22011134-001G ;0120PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.66r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.67r	B22011134-002D ;0120PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.68r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.69r	B22011135-001G ;0120PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.70r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.71r	B22011137-001G ;0120PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.72r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.73r	B22011214-001G ;0120PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.74r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.75r	B22011227-001G ;0120PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.76r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.77r	B22011228-001G ;0120PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.78r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.79r	CCV_0120PE179r, GQC ;0120PE1 ,	G:\Org\PE1\Methods\21120	1	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.80r	CCV_0120PE180r, GQC ;0120PE1 ,	G:\Org\PE1\Methods\21120	1	1	1	1	0
G:\Org\PE1\DAT\PE1012022_b\0120PE1.81r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0



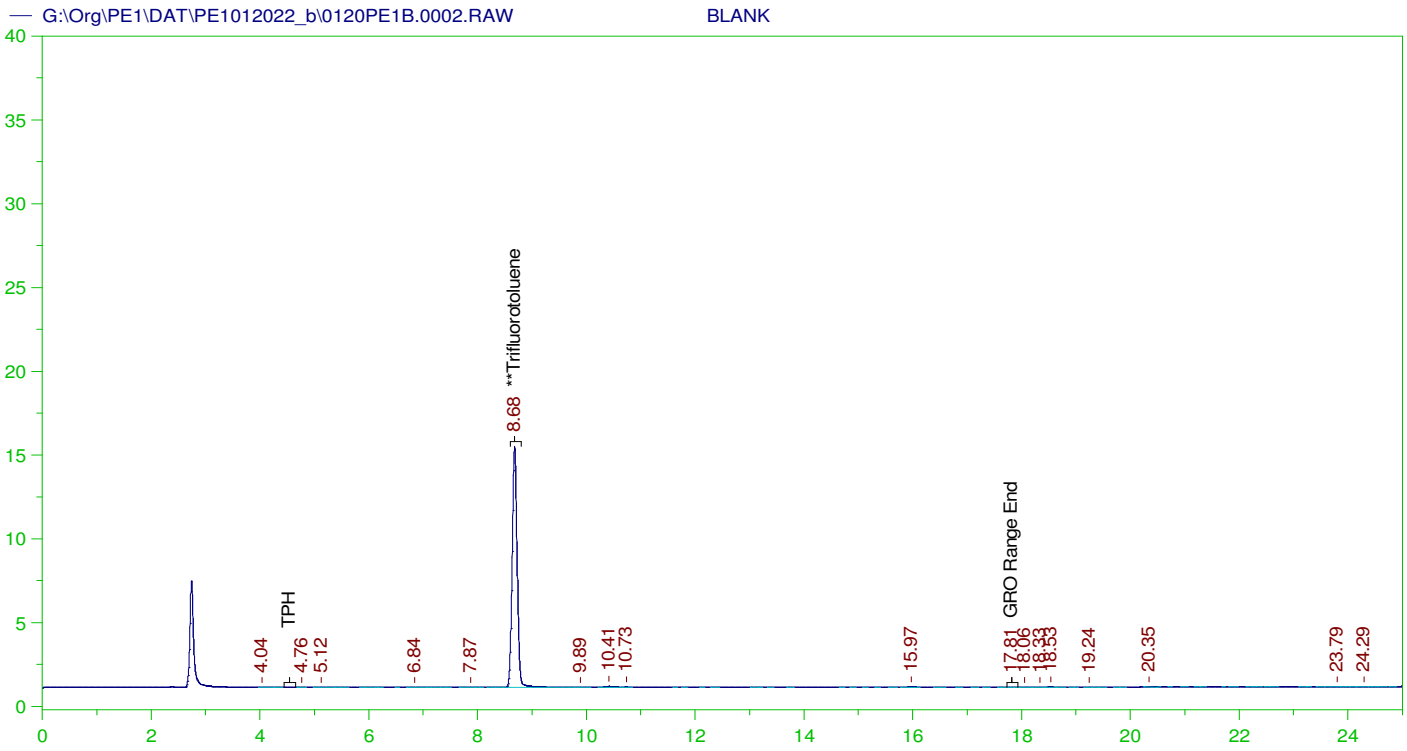
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0001.RAW
Date & Time Acquired: 1/20/2022 8:33:09 AM
Method File: G:\Org\PE1\Methods\211208GRO_DoDB.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 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.	104.862	83.89	-

C6 to C10 Area:5473.673 C6 to C10 Amount: 5.786321
TPH Area:8237.238 TPH Amount: 9.057967



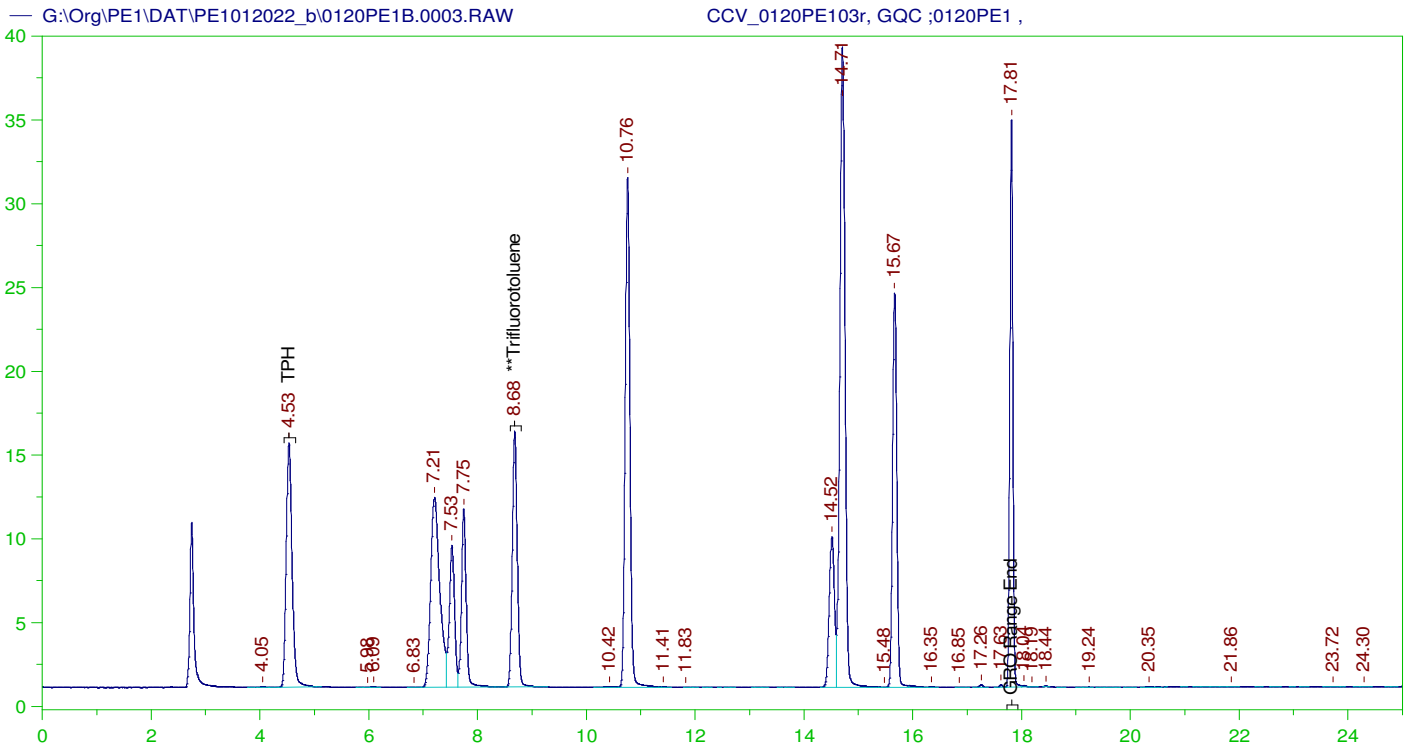
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0002.RAW
Date & Time Acquired: 1/20/2022 9:07:19 AM
Method File: G:\Org\PE1\Methods\211208GRO_DoDB.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 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	8.682	125.	97.997	78.4	-

C6 to C10 Area:2286.41 C6 to C10 Amount: 2.417006
TPH Area:3572.655 TPH Amount: 3.928621



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_0120PE103r, GQC ;0120PE1 ,
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0003.RAW
Date & Time Acquired: 1/20/2022 9:41:29 AM
Method File: G:\Org\PE1\Methods\211208GRO_DoDB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 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.	103.894	83.12	-

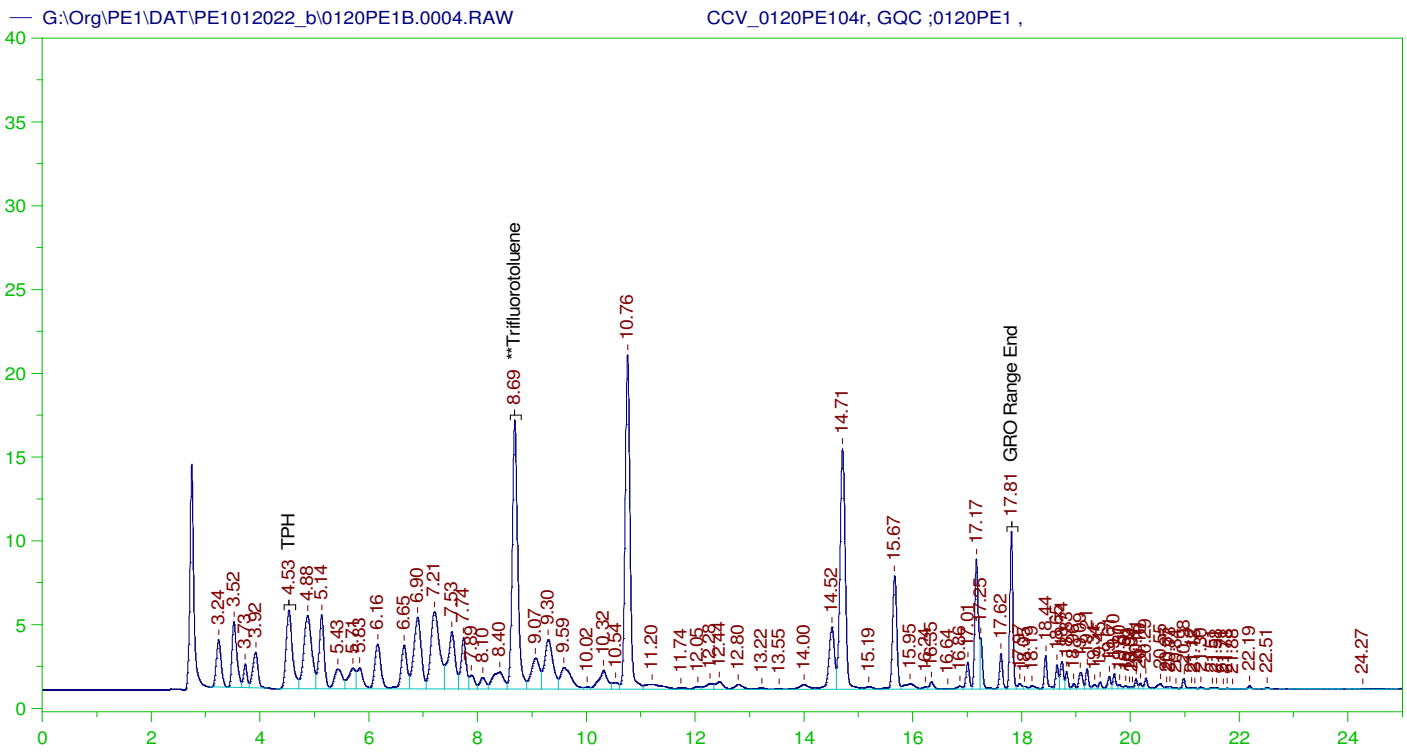
C6 to C10 Area:1130577 C6 to C10 Amount: 1195.154
TPH Area:1132580 TPH Amount: 1245.427

CONTINUING CALIBRATION REPORT: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0003.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
C6 to C10	840.	1195.15	142.28	85-115
TPH	1000.	1245.43	124.54	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	8.684	125.	103.894	83.12	85-115

G:\org\PE1\dat\PE1012022_b\Review\003_CCV_0120PE103r_211208GRO_DoDB%.xls



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_0120PE104r, GQC ;0120PE1 ,
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0004.RAW
Date & Time Acquired: 1/20/2022 10:15:41 AM
Method File: G:\Org\PE1\Methods\211208GCCV0120_04DoDB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

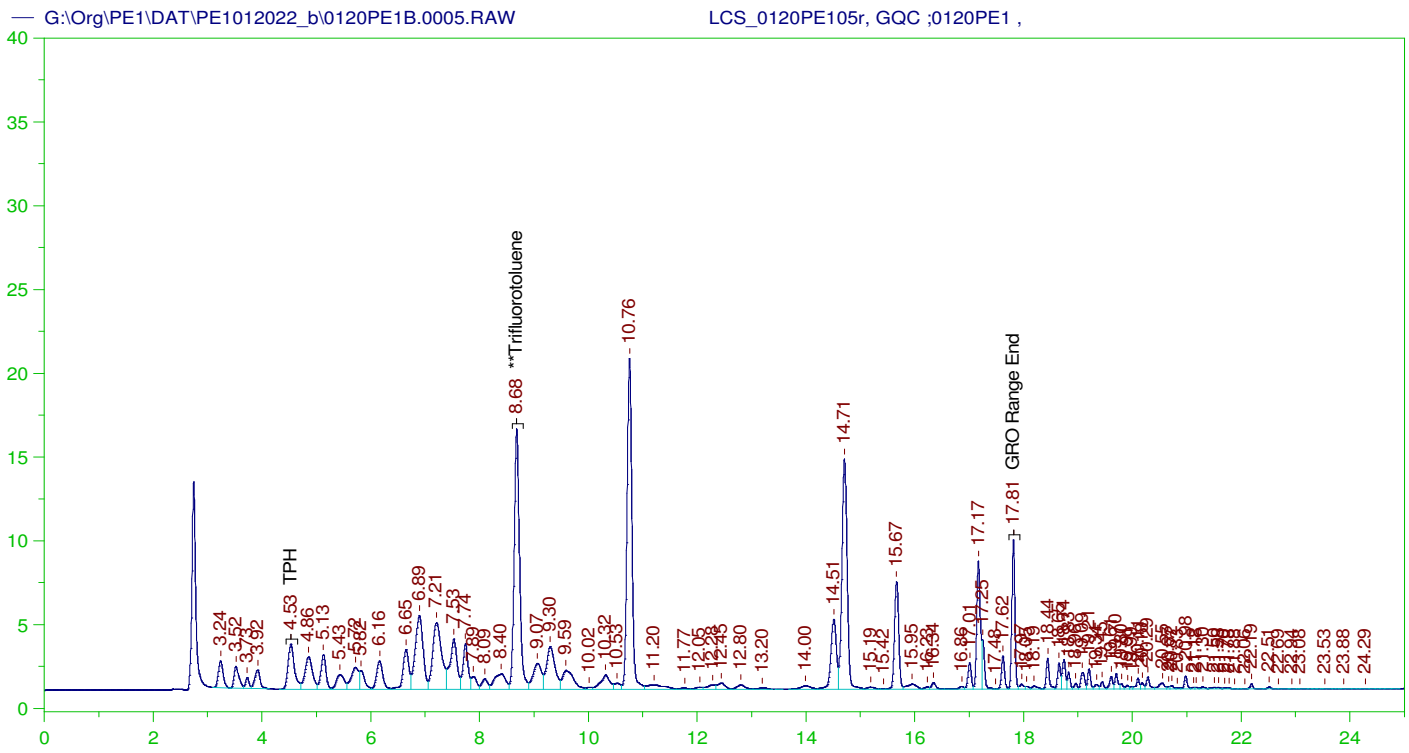
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.685	125.	119.699	95.76	-

C6 to C10 Area:871870.8 C6 to C10 Amount: 921.6707
TPH Area:1003814 TPH Amount: 1103.83

CONTINUING CALIBRATION REPORT: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0004.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
C6 to C10	840.	921.67	109.72	85-115
TPH	1000.	1103.83	110.38	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	8.685	125.	119.699	95.76	85-115



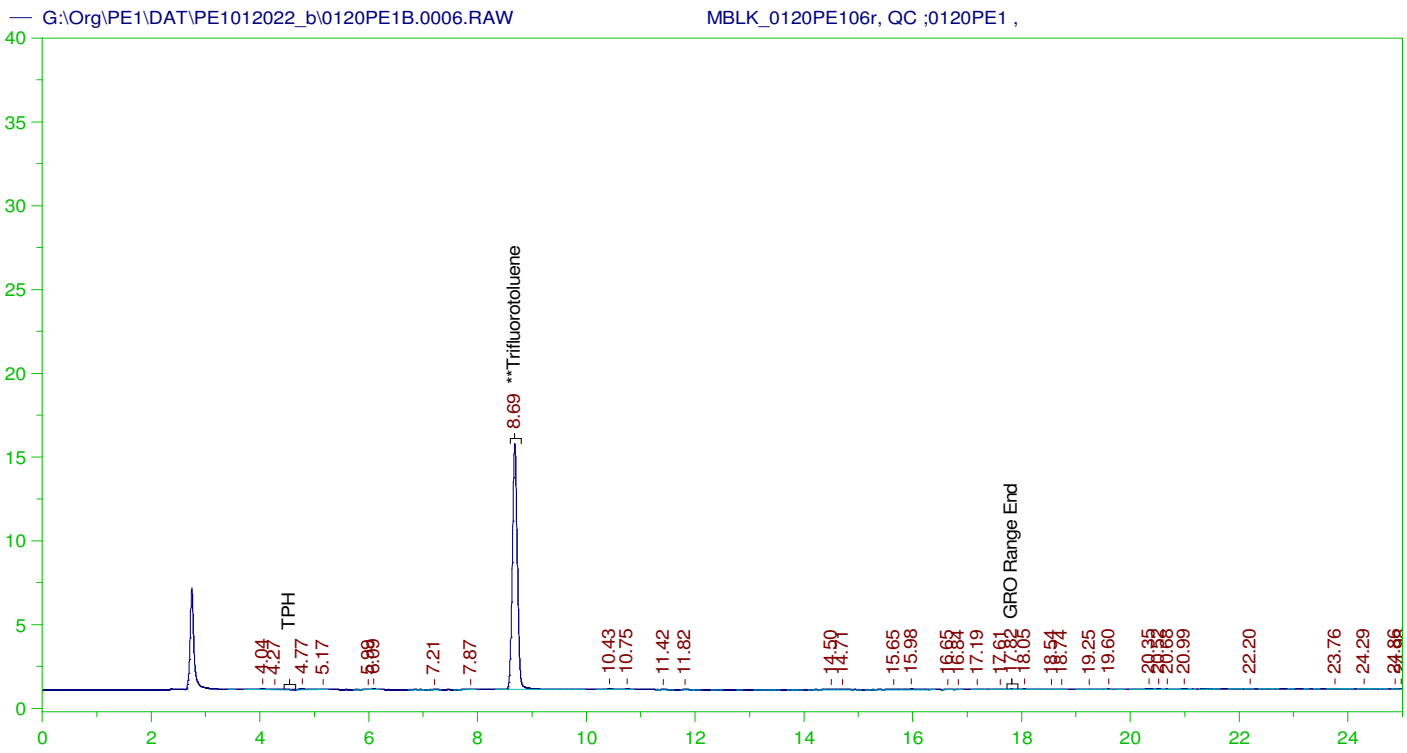
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: LCS_0120PE105r, GQC ;0120PE1 ,
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0005.RAW
Date & Time Acquired: 1/20/2022 10:49:55 AM
Method File: G:\Org\PE1\Methods\211208GLCS0120_05DoDB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 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.	22.696	90.79	-

C6 to C10 Area:757957.7 C6 to C10 Amount: 160.2502
TPH Area:860690.3 TPH Amount: 189.2893



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: MBLK_0120PE106r, QC ;0120PE1 ,
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0006.RAW
Date & Time Acquired: 1/20/2022 11:24:09 AM
Method File: G:\Org\PE1\Methods\211208GRO_DoDB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

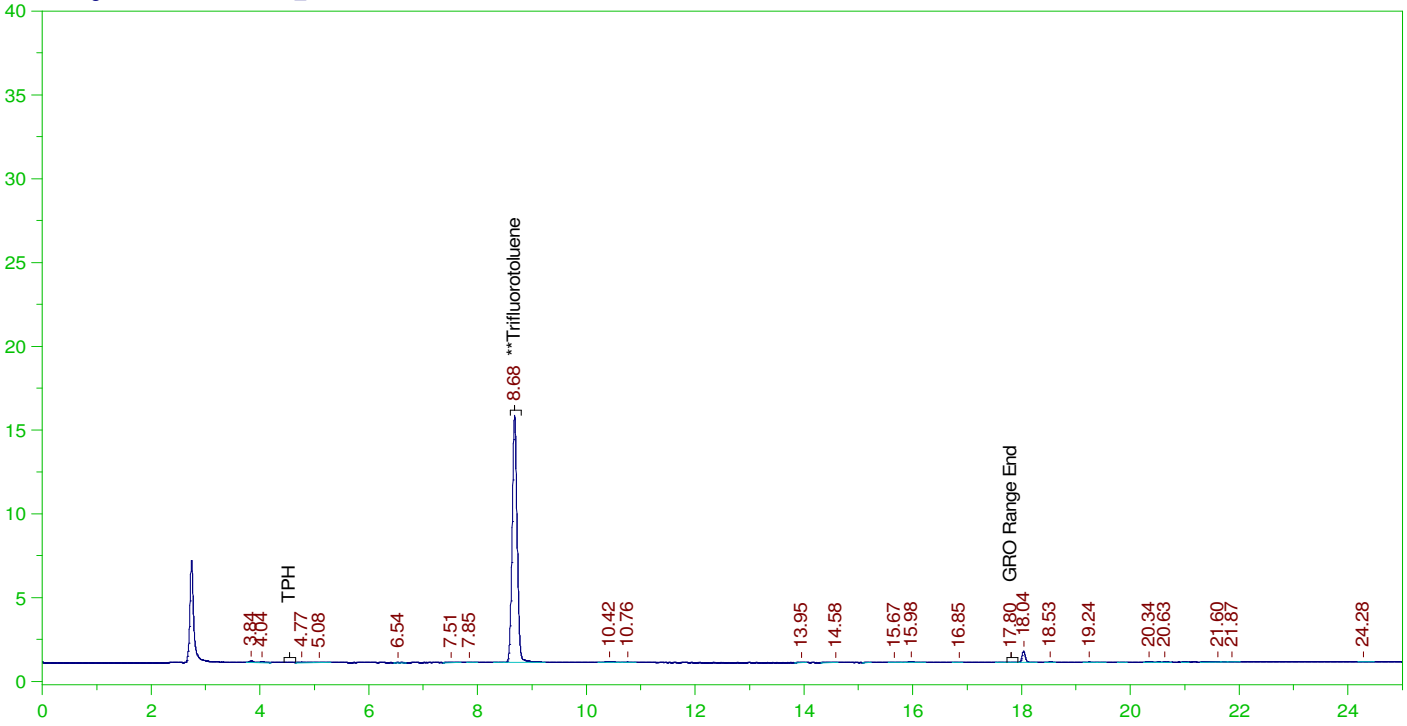
Mean RF for C6 to C10: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.685	25.	20.007	80.03	-

C6 to C10 Area:4297.41 C6 to C10 Amount: 0.9085742
TPH Area:6932.855 TPH Amount: 1.524724

ERH2446 (RHMW15 zone5)

G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0007.RAW B22011124-001G ;0120PE1 , $HC-8015-GRO-W,



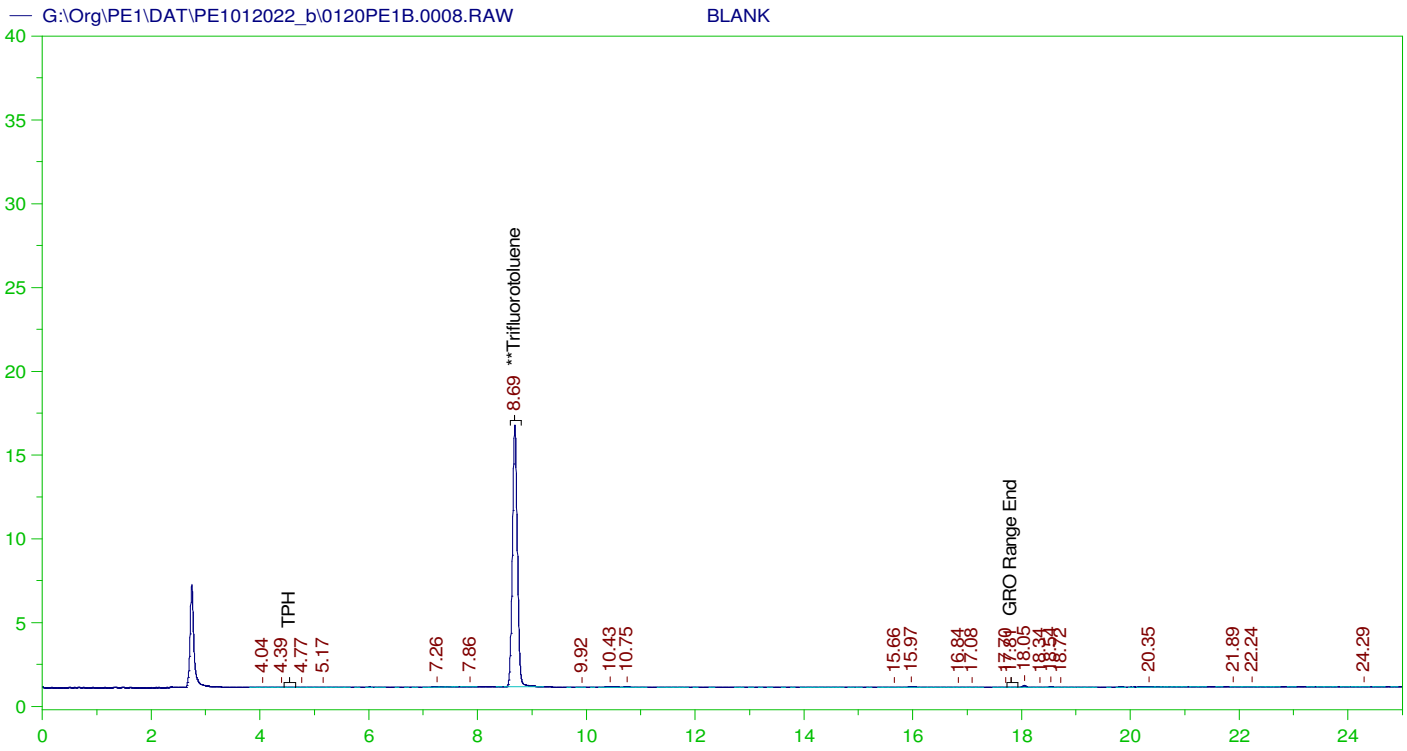
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22011124-001G ;0120PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0007.RAW
Date & Time Acquired: 1/20/2022 11:58:26 AM
Method File: G:\Org\PE1\Methods\211208G1124-1DoDB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 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	8.682	25.	20.004	80.02	-

C6 to C10 Area:2570.356 C6 to C10 Amount: 0.5434341
TPH Area:7159.903 TPH Amount: 1.574658



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0008.RAW
Date & Time Acquired: 1/20/2022 12:32:44 PM
Method File: G:\Org\PE1\Methods\211208GRO_DoDB.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

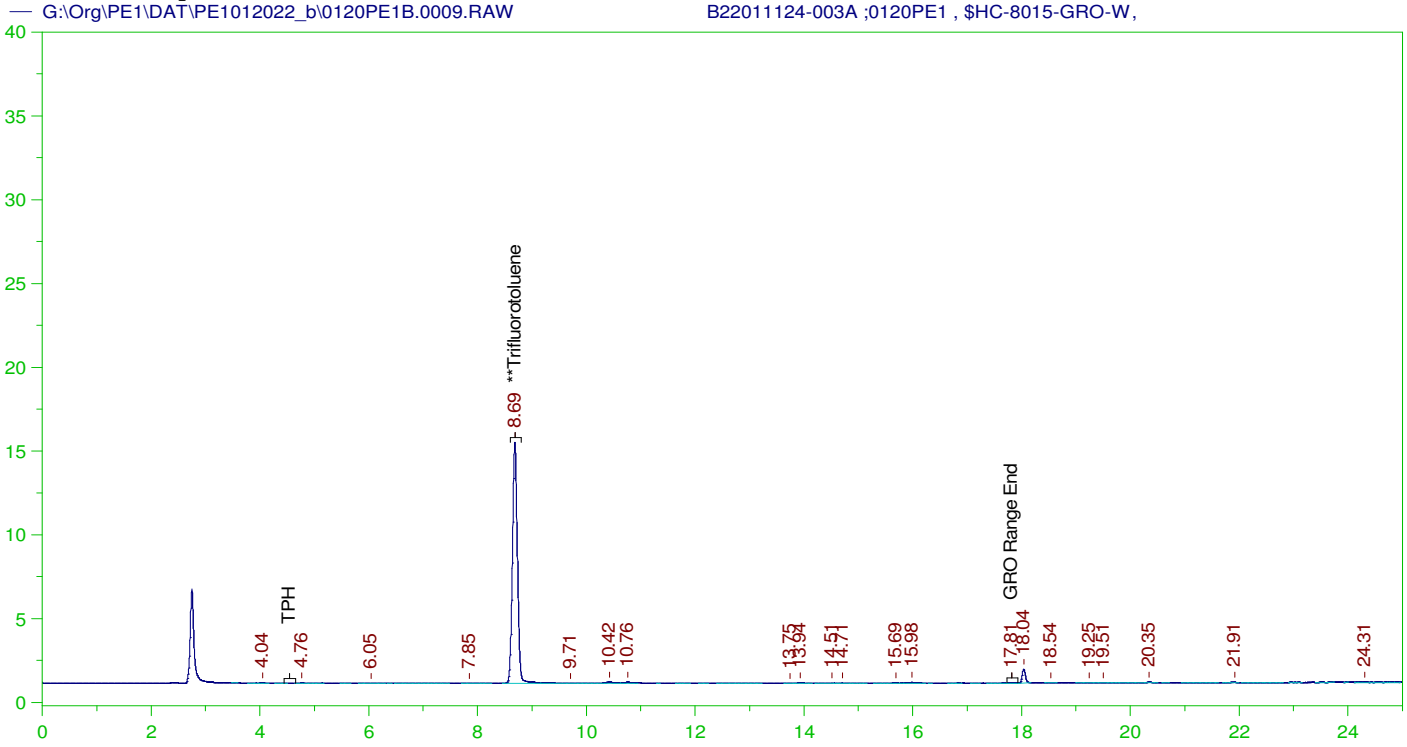
Mean RF for C6 to C10: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.686	125.	105.644	84.52	-

C6 to C10 Area:3285.099 C6 to C10 Amount: 3.472739
TPH Area:5434.42 TPH Amount: 5.975886

ERH2445 (Trip Blank) 14733

G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0009.RAW B22011124-003A ;0120PE1 , $HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22011124-003A ;0120PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0009.RAW
Date & Time Acquired: 1/20/2022 1:07:08 PM
Method File: G:\Org\PE1\Methods\211208GRO_DoDB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

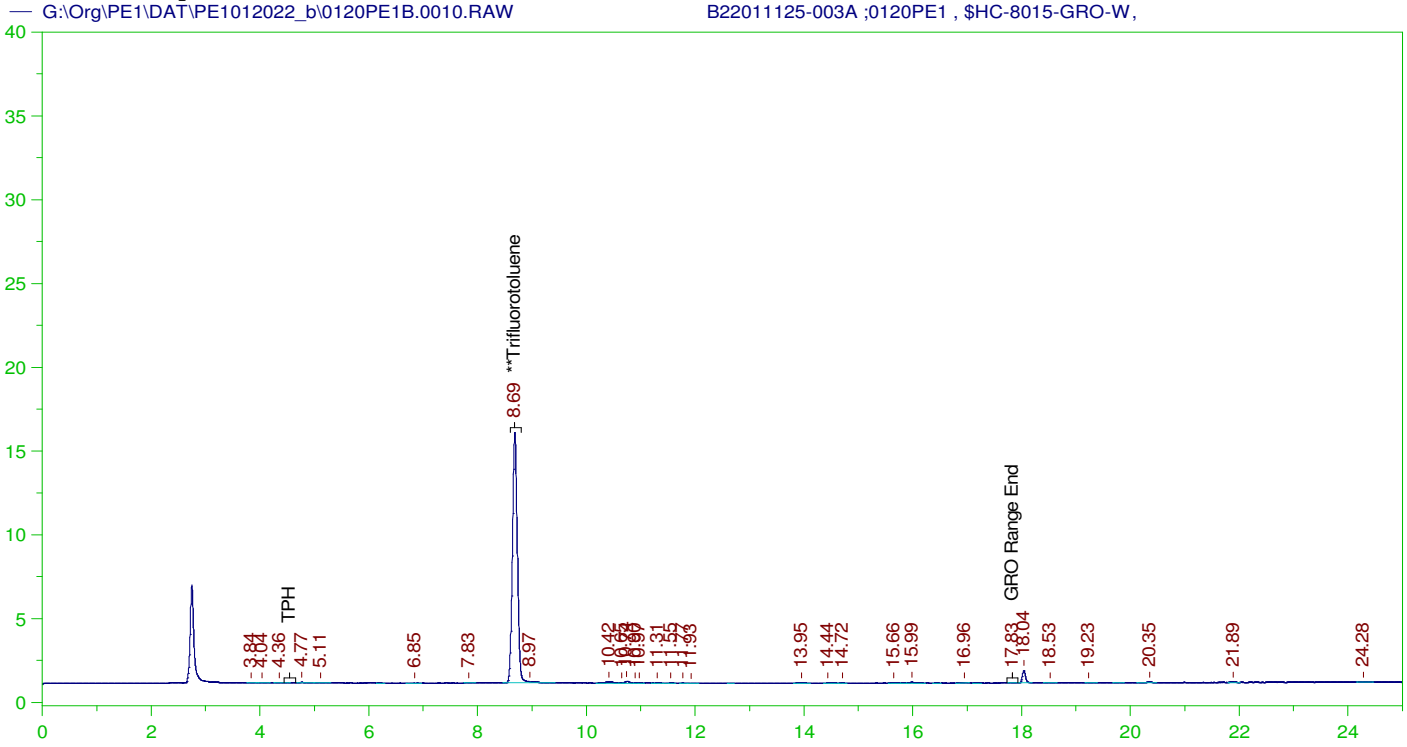
Mean RF for C6 to C10: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.686	25.	19.559	78.24	-

C6 to C10 Area:4088.039 C6 to C10 Amount: 0.8643084
TPH Area:9337.469 TPH Amount: 2.053564

ERH2471 (Trip Blank) 14733

G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0010.RAW B22011125-003A ;0120PE1 , $HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22011125-003A ;0120PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0010.RAW
Date & Time Acquired: 1/20/2022 1:41:33 PM
Method File: G:\Org\PE1\Methods\211208G1125-3DoDB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

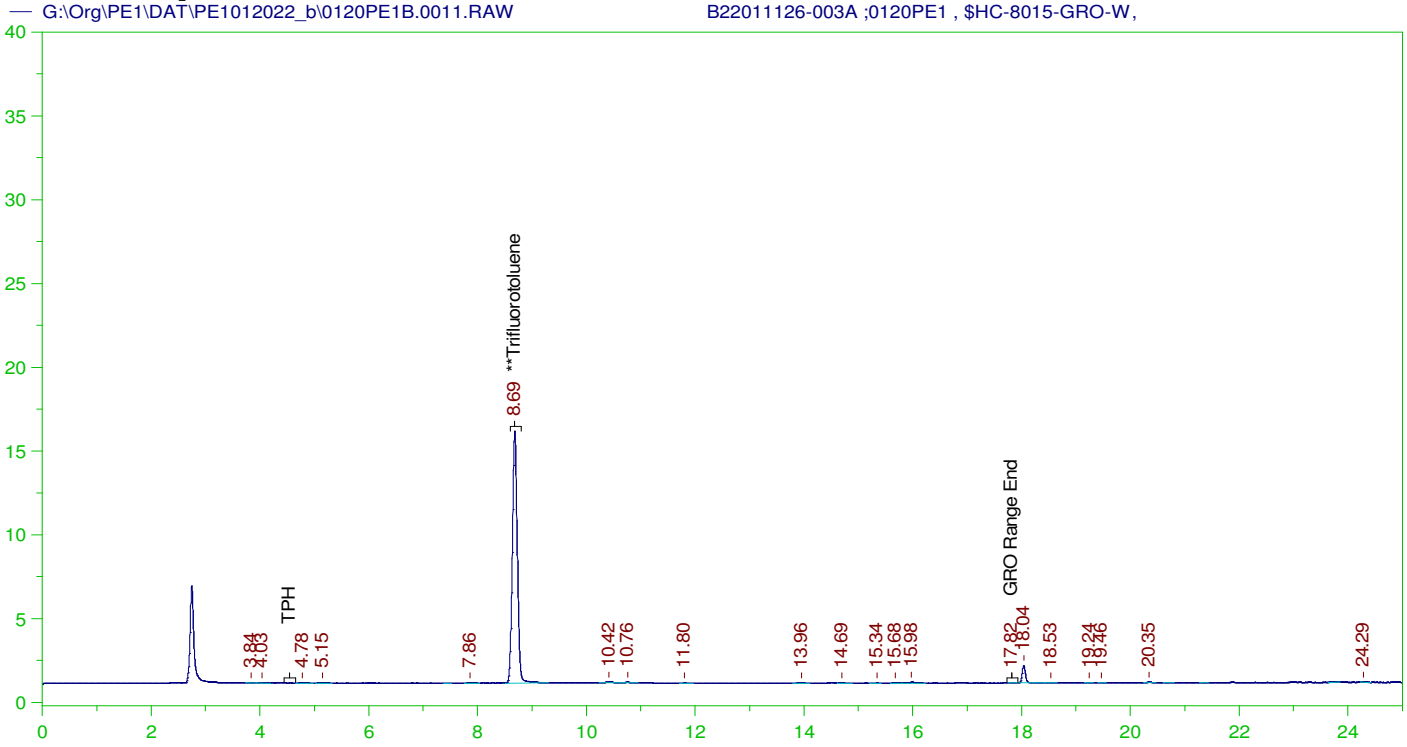
Mean RF for C6 to C10: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.686	25.	20.2	80.8	-

C6 to C10 Area:5284.336 C6 to C10 Amount: 1.117234
TPH Area:9397.241 TPH Amount: 2.06671

ERH2449 (Trip Blank) 14733

G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0011.RAW B22011126-003A ;0120PE1 , $HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22011126-003A ;0120PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0011.RAW
Date & Time Acquired: 1/20/2022 2:15:48 PM
Method File: G:\Org\PE1\Methods\211208G1126-3DoDB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

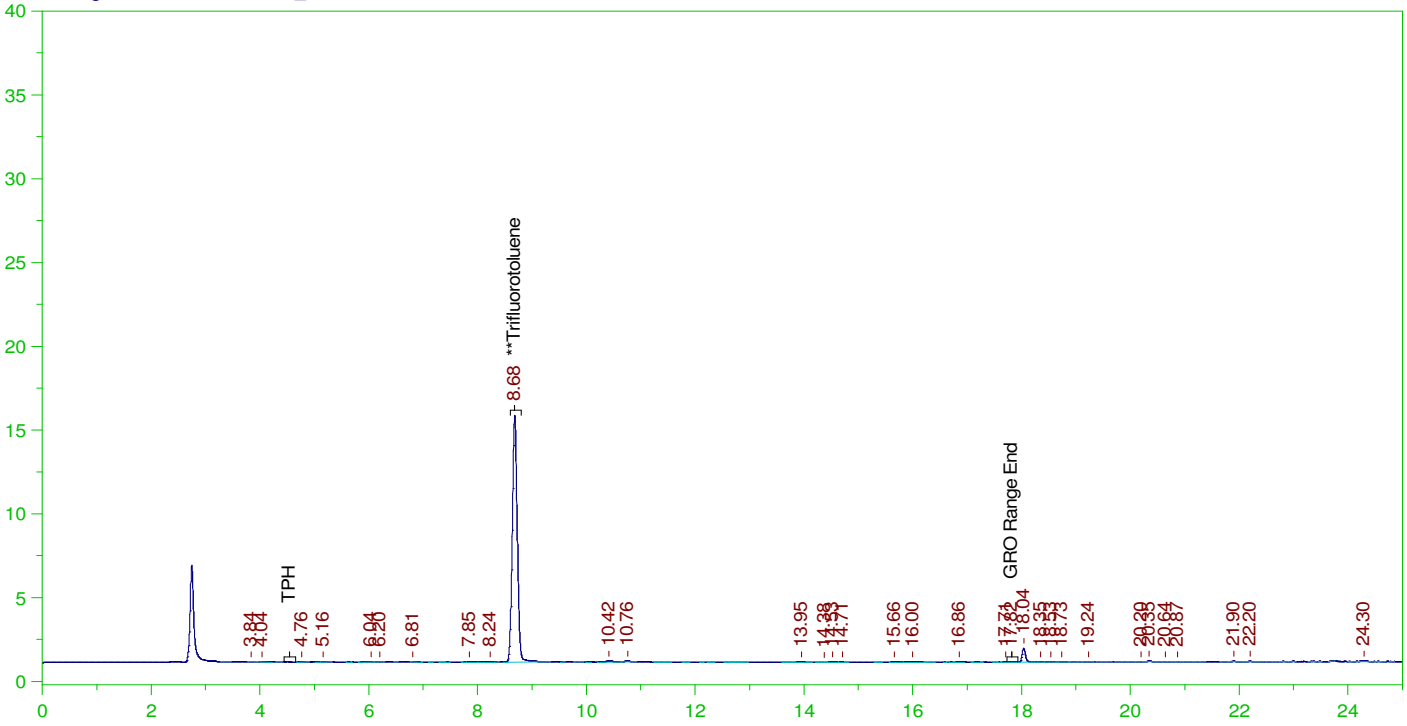
Mean RF for C6 to C10: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.685	25.	20.386	81.55	-

C6 to C10 Area:2429.128 C6 to C10 Amount: 0.5135753
TPH Area:7685.205 TPH Amount: 1.690186

ERH2453 (Trip Blank) 14733

G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0012.RAW B22011127-003A ;0120PE1 , $HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22011127-003A ;0120PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0012.RAW
Date & Time Acquired: 1/20/2022 2:50:01 PM
Method File: G:\Org\PE1\Methods\211208GRO_DoDB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

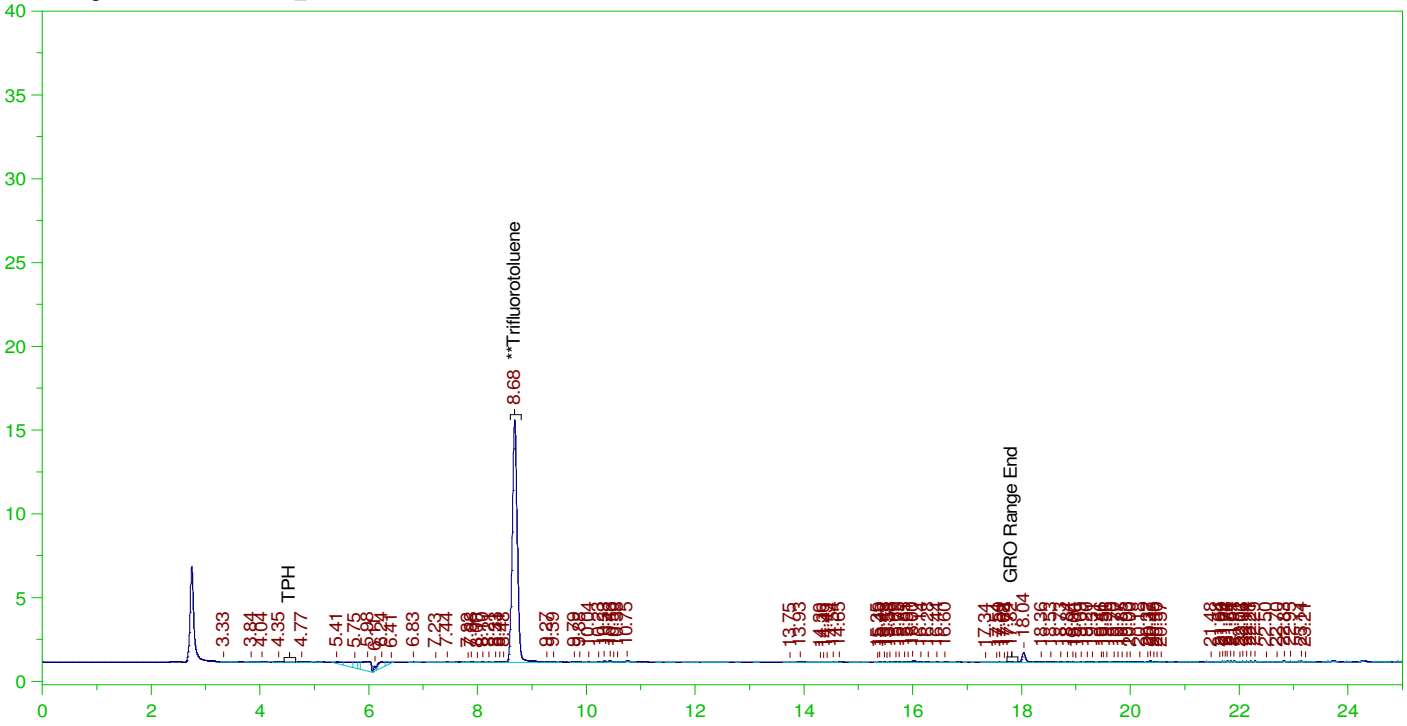
Mean RF for C6 to C10: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.684	25.	20.008	80.03	-

C6 to C10 Area:3733.621 C6 to C10 Amount: 0.7893759
TPH Area:9387.095 TPH Amount: 2.064478

ERH2447 (Trip Blank)-14733

G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0013.RAW B22011128-003A ;0120PE1 , $HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

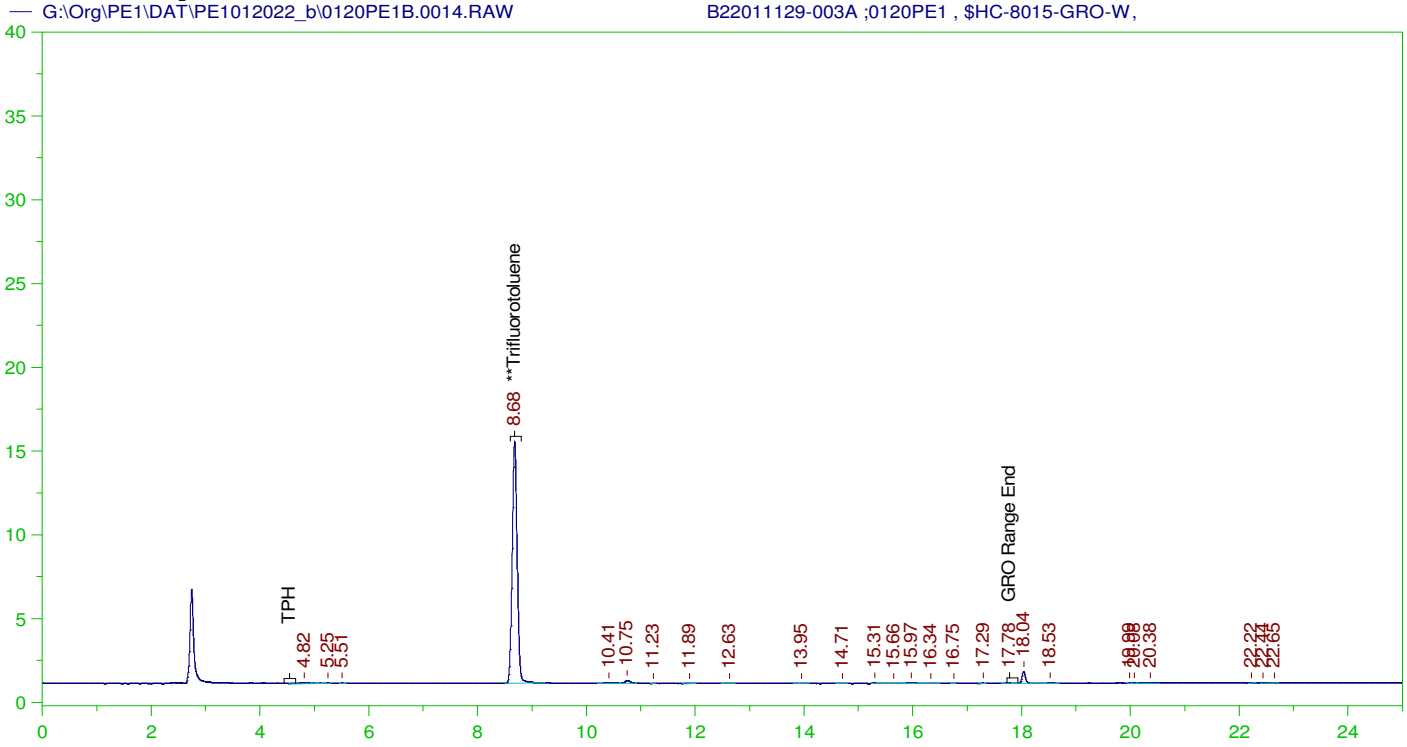
Sample Name: B22011128-003A ;0120PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0013.RAW
Date & Time Acquired: 1/20/2022 3:24:14 PM
Method File: G:\Org\PE1\Methods\211208GRO_DoDB.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 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.	19.854	79.42	-

C6 to C10 Area:21995.29 C6 to C10 Amount: 4.650325
TPH Area:31081.96 TPH Amount: 6.835772

ERH2421 (Trip Blank) 14653



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22011129-003A ;0120PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0014.RAW
Date & Time Acquired: 1/20/2022 3:58:31 PM
Method File: G:\Org\PE1\Methods\211208G1129-3DoDB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

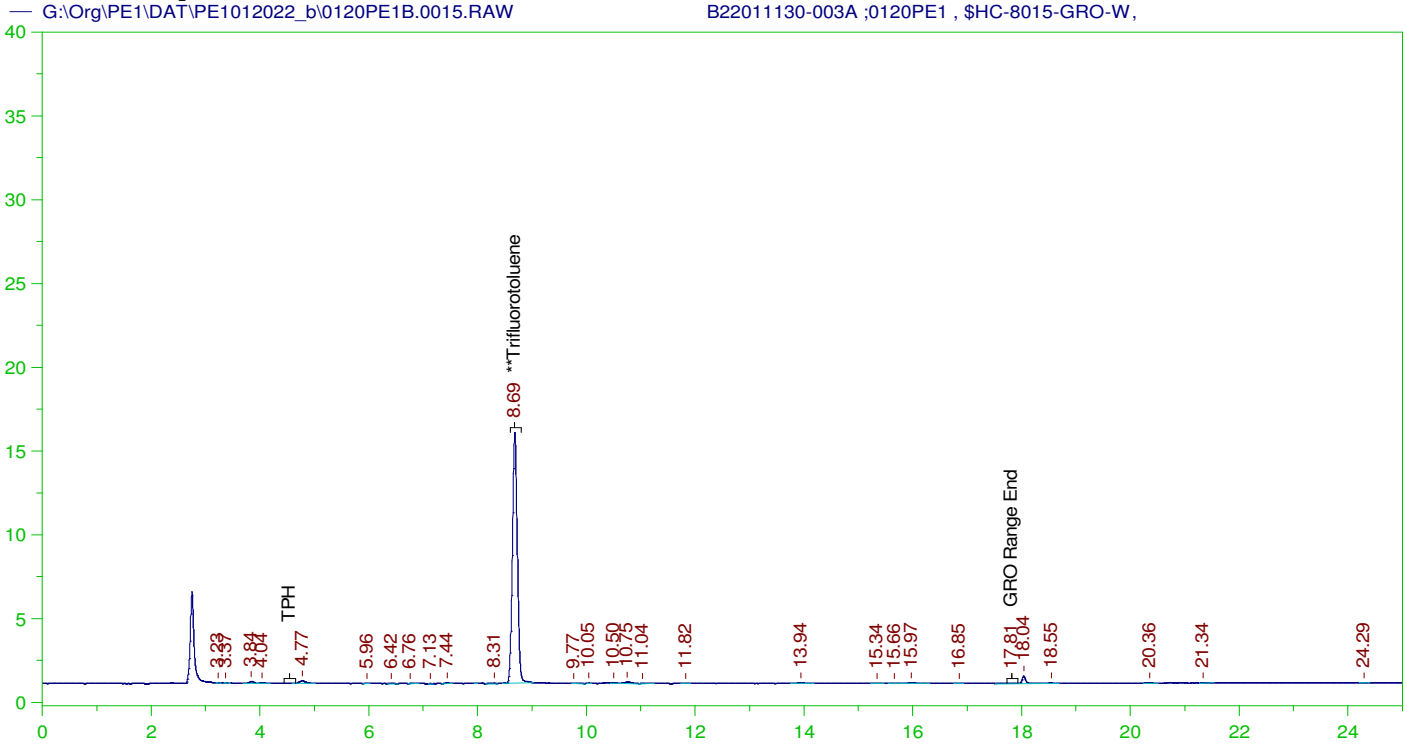
Mean RF for C6 to C10: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.683	25.	19.604	78.42	-

C6 to C10 Area:5139.987 C6 to C10 Amount: 1.086715
TPH Area:10009.71 TPH Amount: 2.201409

ERH2457 (Trip Blank)-14733

G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0015.RAW B22011130-003A ;0120PE1 , $HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22011130-003A ;0120PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0015.RAW
Date & Time Acquired: 1/20/2022 4:32:51 PM
Method File: G:\Org\PE1\Methods\211208G1130-3DoDB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

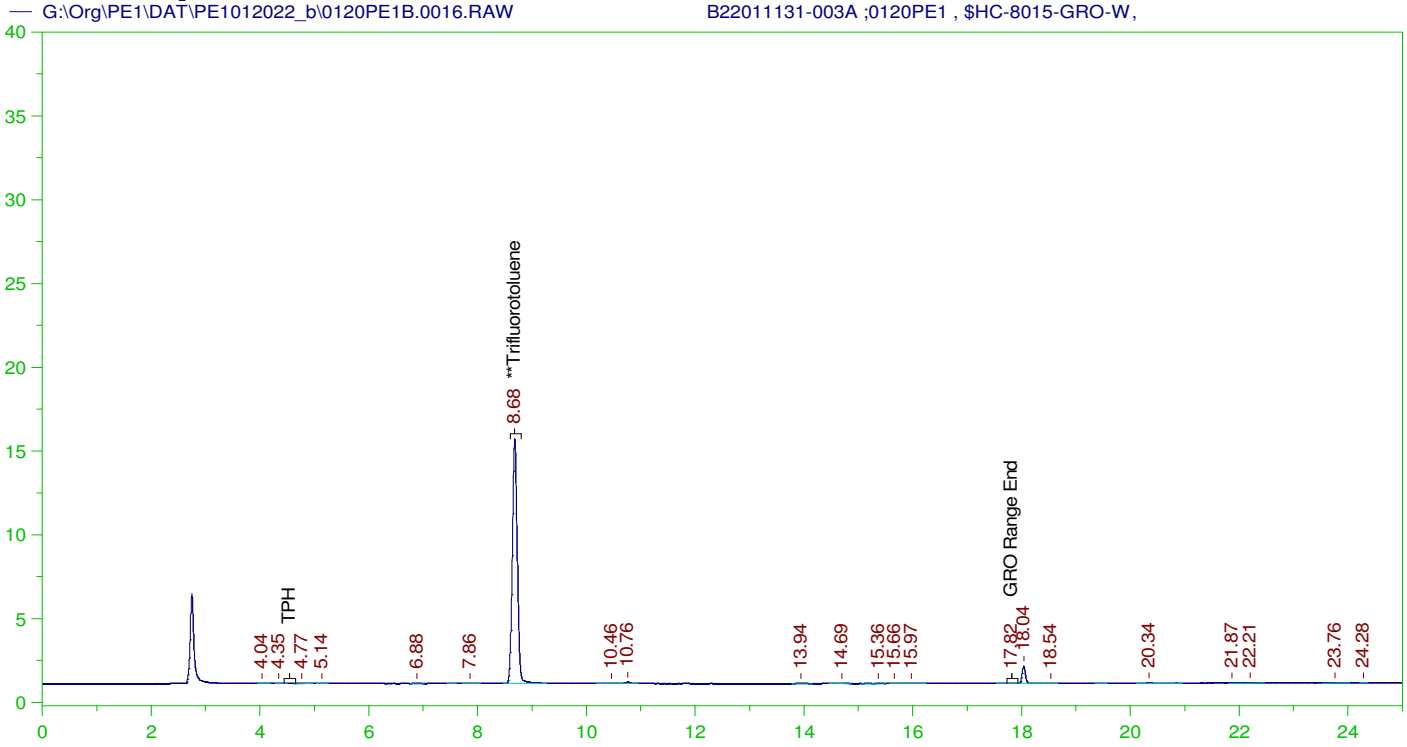
Mean RF for C6 to C10: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.686	25.	20.154	80.62	-

C6 to C10 Area:5861.589 C6 to C10 Amount: 1.239279
TPH Area:9512.629 TPH Amount: 2.092087

ERH2459 (Trip Blank)-14733

G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0016.RAW B22011131-003A ;0120PE1 , $HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

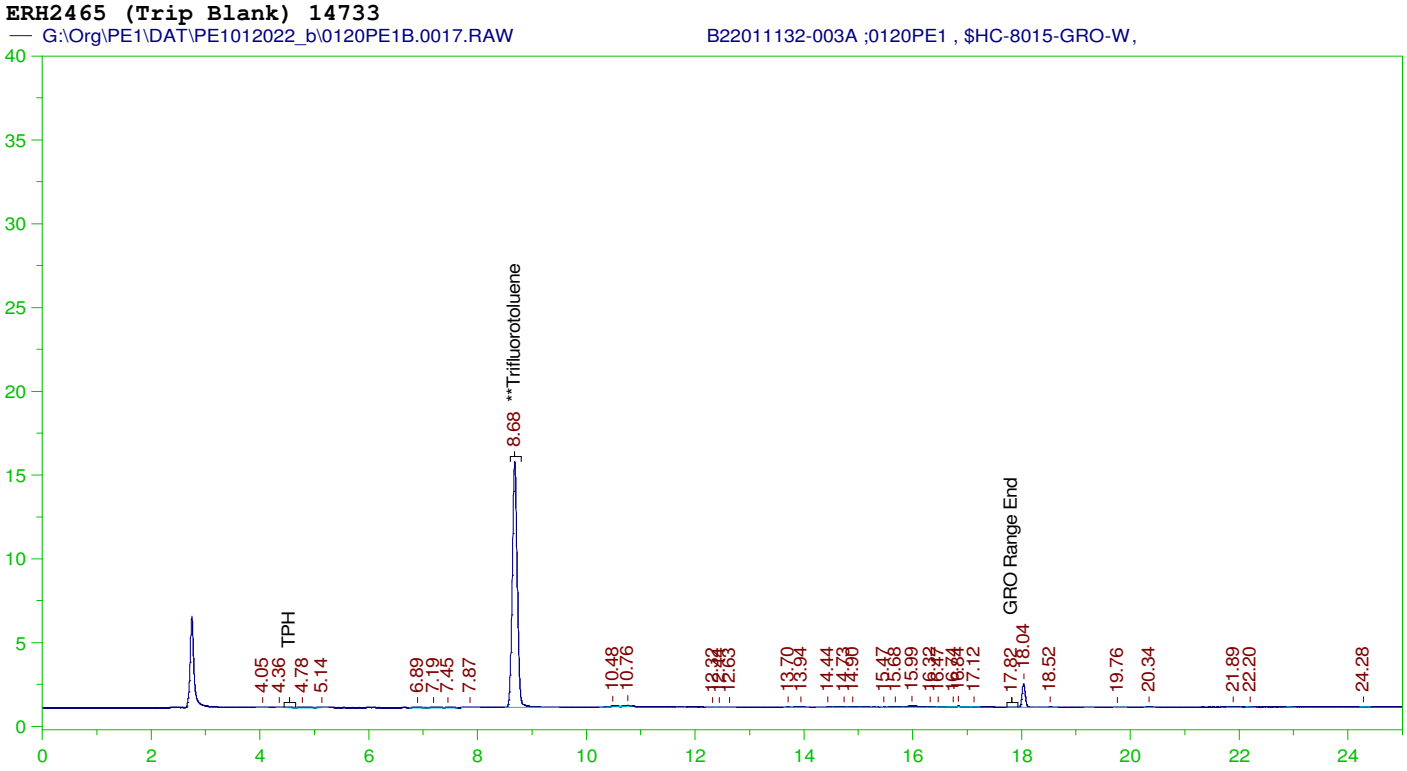
Sample Name: B22011131-003A ;0120PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0016.RAW
Date & Time Acquired: 1/20/2022 5:07:12 PM
Method File: G:\Org\PE1\Methods\211208G1131-3DoDB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 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.	19.776	79.11	-

C6 to C10 Area:2526.943 C6 to C10 Amount: 0.5342556
TPH Area:7899.134 TPH Amount: 1.737235

ERH2465 (Trip Blank) 14733



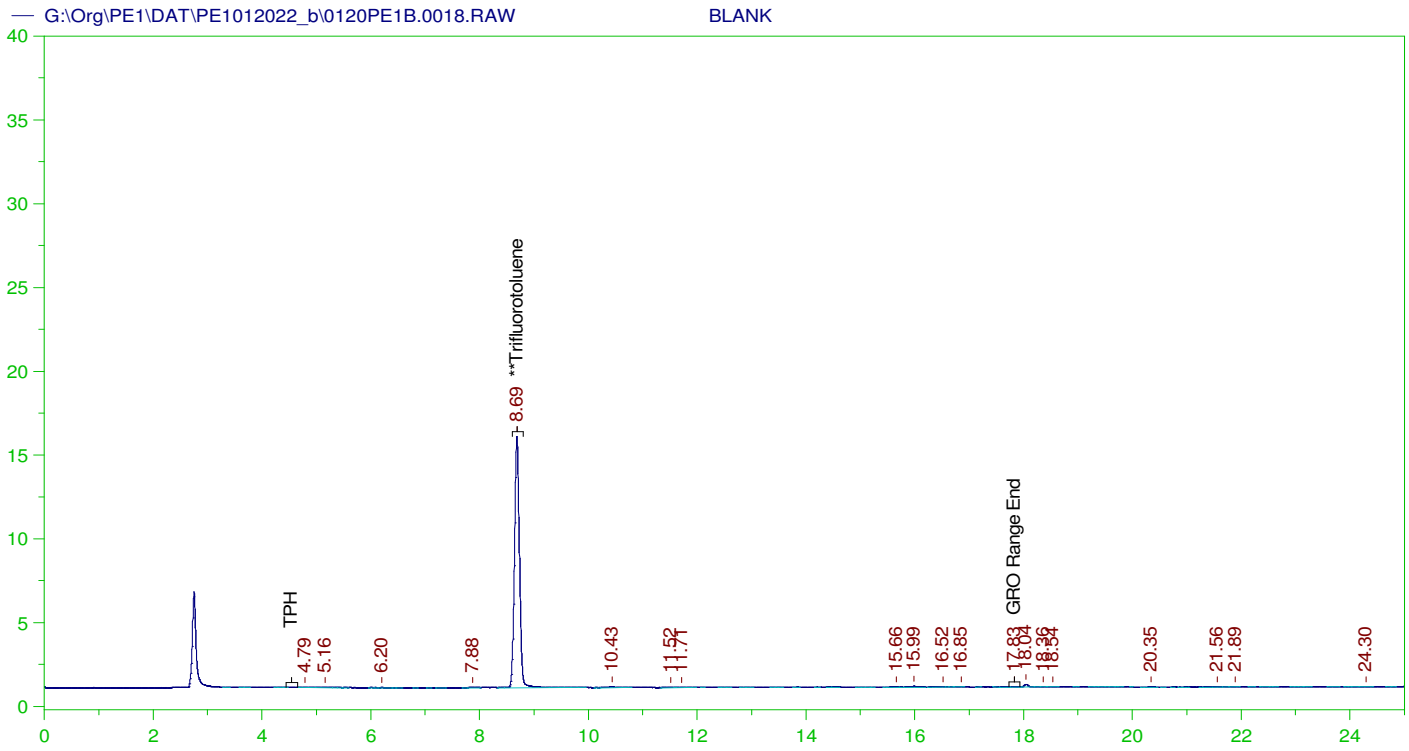
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22011132-003A ;0120PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0017.RAW
Date & Time Acquired: 1/20/2022 5:41:34 PM
Method File: G:\Org\PE1\Methods\211208G1132-3DoDB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 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.	19.996	79.98	-

C6 to C10 Area:6188.059 C6 to C10 Amount: 1.308302
TPH Area:12961.98 TPH Amount: 2.850693



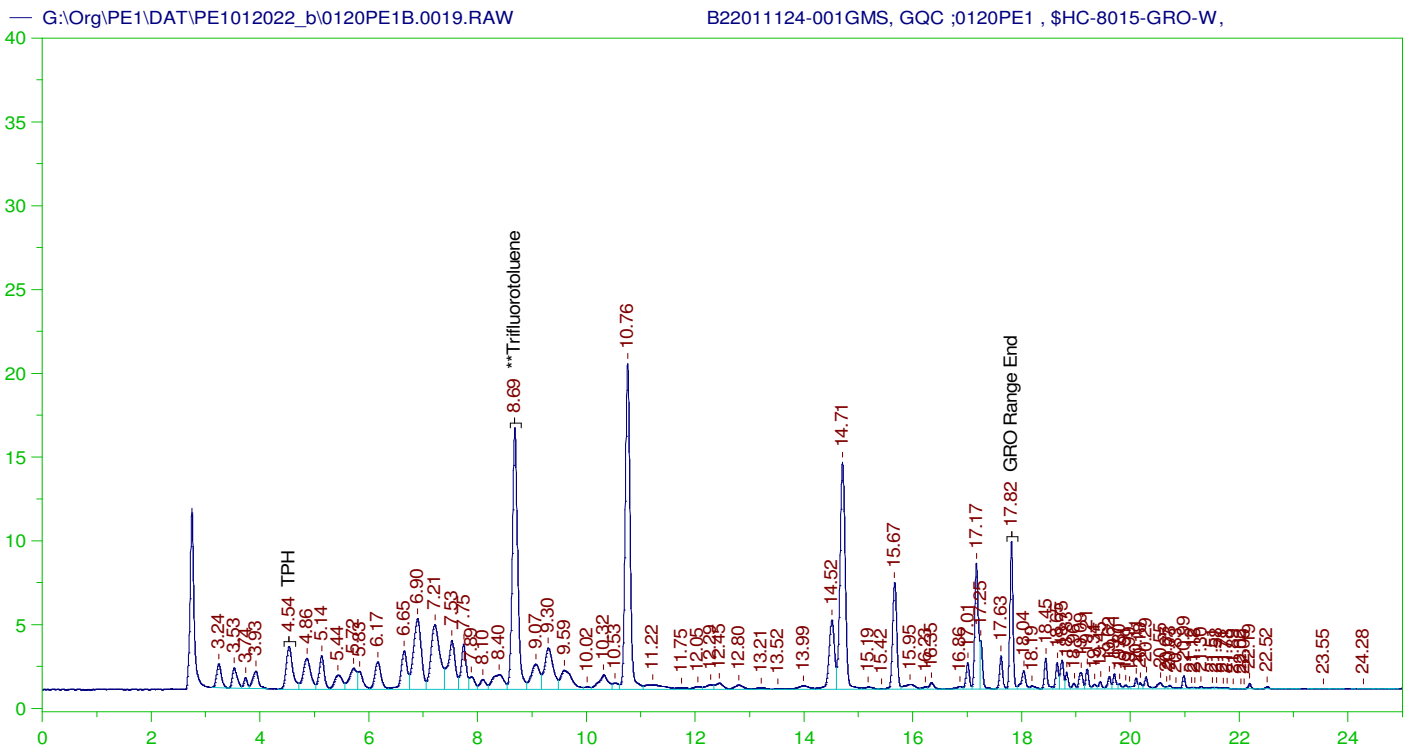
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0018.RAW
Date & Time Acquired: 1/20/2022 6:15:55 PM
Method File: G:\Org\PE1\Methods\211208GRO_DoDB.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 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.	102.018	81.61	-

C6 to C10 Area:2966.481 C6 to C10 Amount: 3.135922
TPH Area:5288.984 TPH Amount: 5.81596



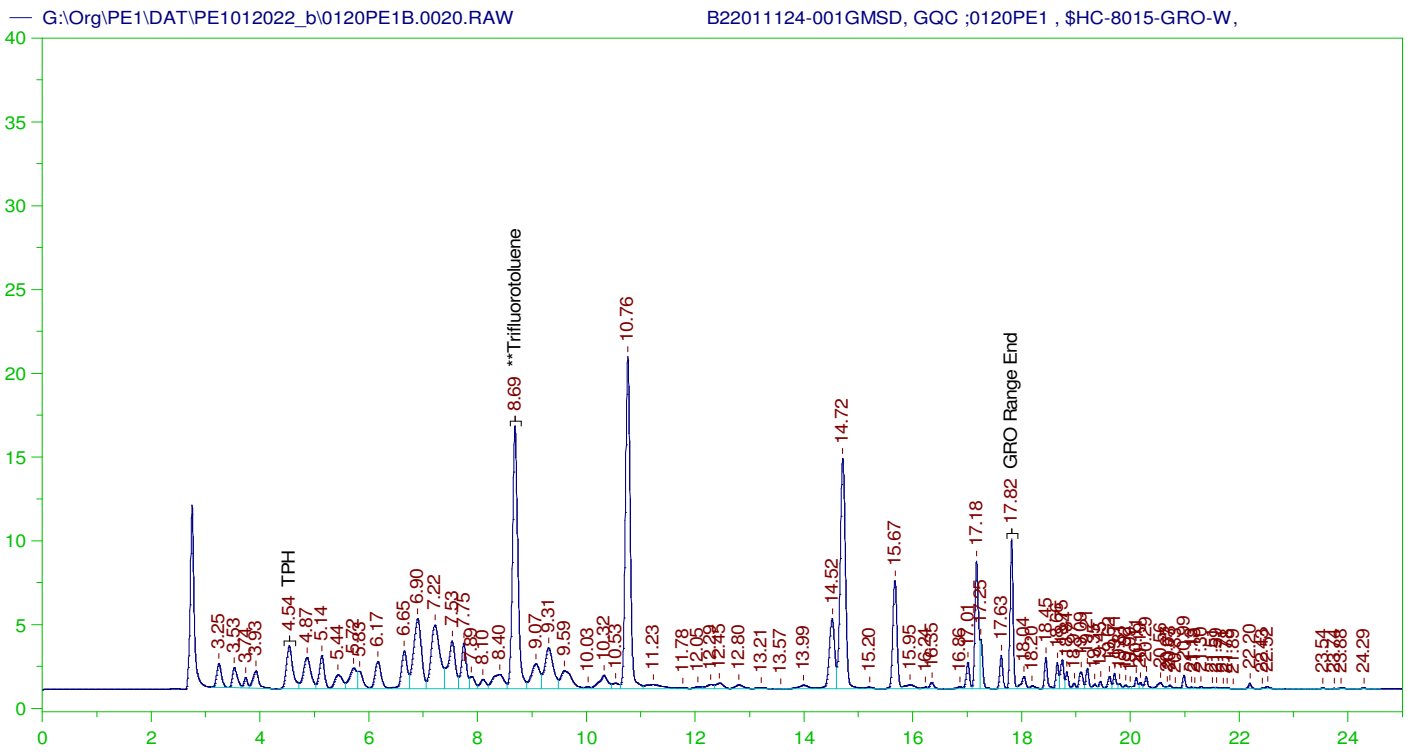
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22011124-001GMS, GQC ;0120PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0019.RAW
Date & Time Acquired: 1/20/2022 6:50:22 PM
Method File: G:\Org\PE1\Methods\211208G1124-1MSDoDB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 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.	22.717	90.87	-

C6 to C10 Area:740744.2 C6 to C10 Amount: 156.6109
TPH Area:843897.3 TPH Amount: 185.596



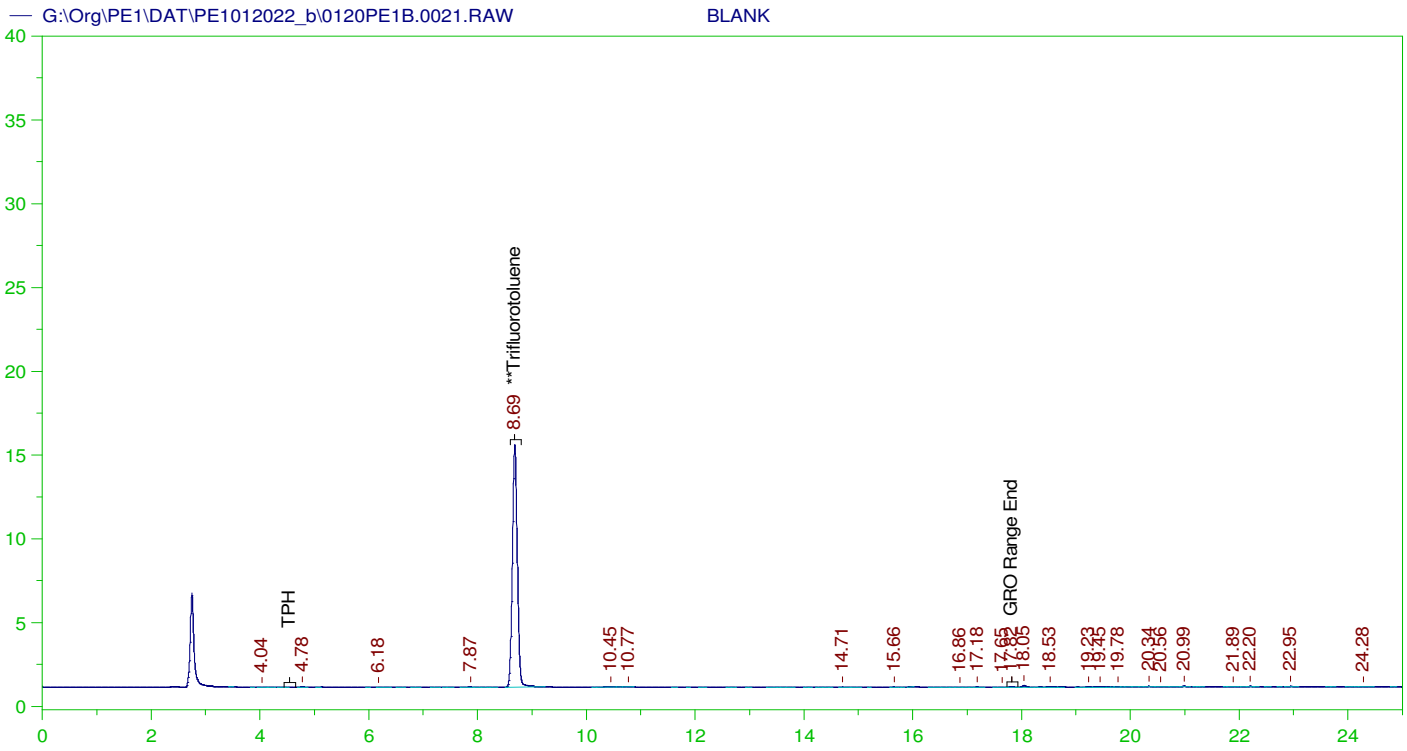
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22011124-001GMSD, GQC ;0120PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0020.RAW
Date & Time Acquired: 1/20/2022 7:24:54 PM
Method File: G:\Org\PE1\Methods\211208G1124-1MSDDoDB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 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.	22.859	91.44	-

C6 to C10 Area:740993.2 C6 to C10 Amount: 156.6635
TPH Area:841817.7 TPH Amount: 185.1387



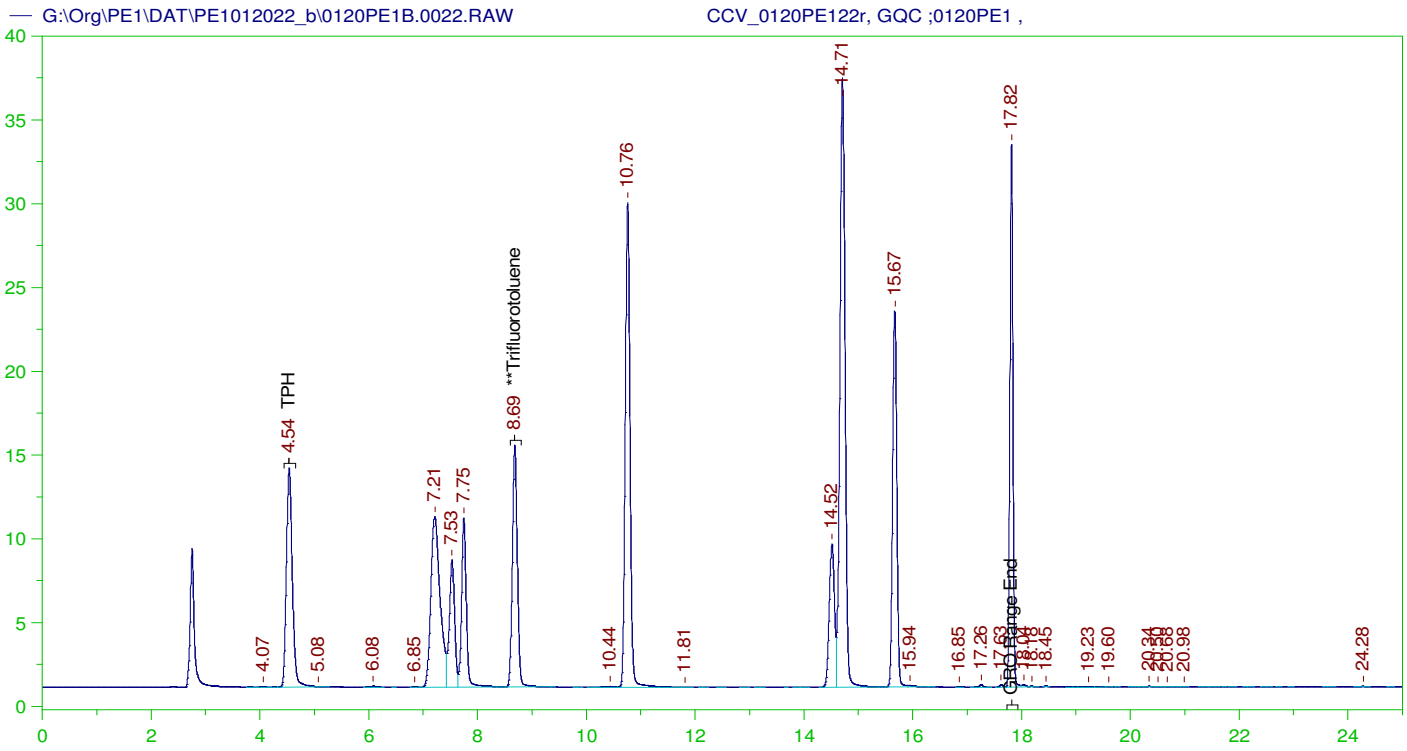
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0021.RAW
Date & Time Acquired: 1/20/2022 7:59:12 PM
Method File: G:\Org\PE1\Methods\211208GRO_DoDB.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 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	125.	97.948	78.36	-

C6 to C10 Area:1980.975 C6 to C10 Amount: 2.094126
TPH Area:3965.489 TPH Amount: 4.360596



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_0120PE122r, GQC ;0120PE1 ,
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0022.RAW
Date & Time Acquired: 1/20/2022 8:33:31 PM
Method File: G:\Org\PE1\Methods\211208GRO_DoDB.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

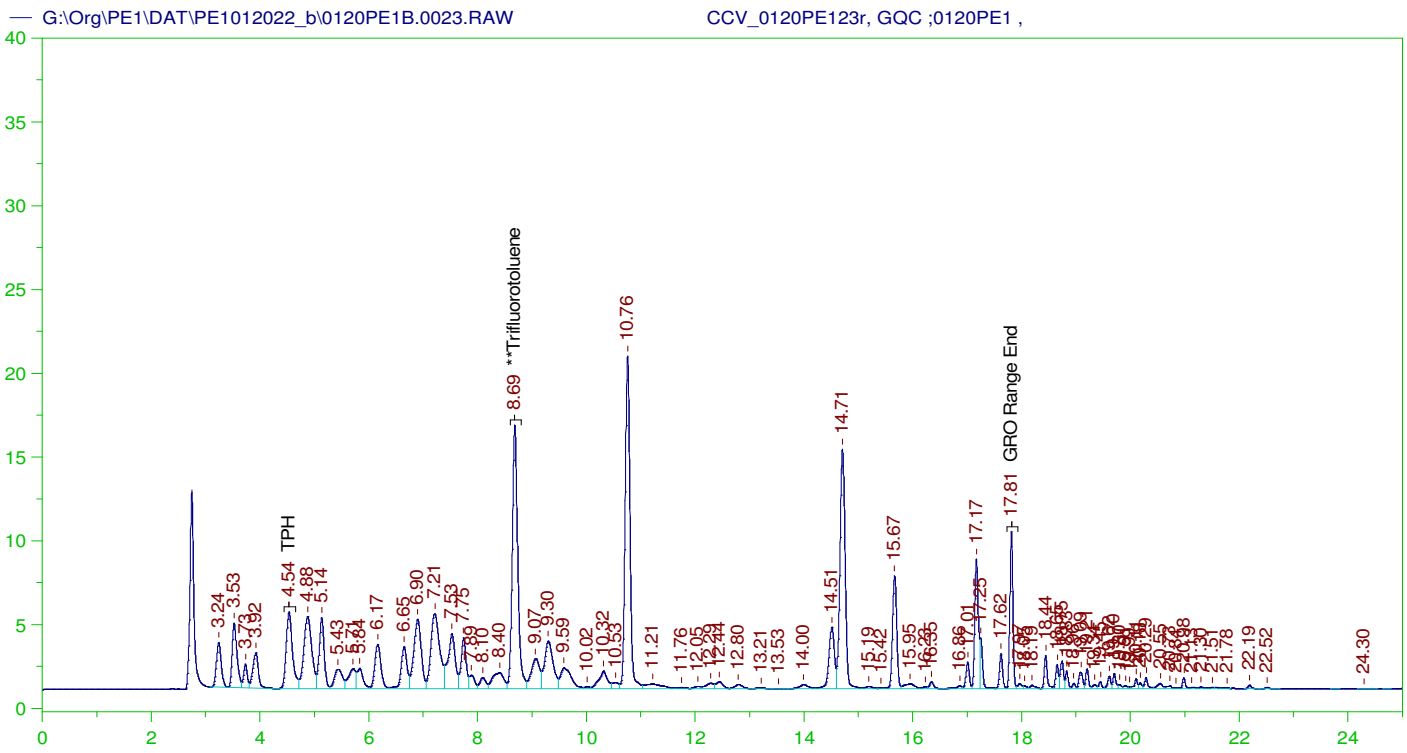
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.685	125.	98.277	78.62	-

C6 to C10 Area:1062369 C6 to C10 Amount: 1123.049
TPH Area:1064758 TPH Amount: 1170.847

CONTINUING CALIBRATION REPORT: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0022.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
C6 to C10	840.	1123.05	133.7	85-115
TPH	1000.	1170.85	117.08	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	8.685	125.	98.277	78.62	85-115



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_0120PE123r, GQC ;0120PE1 ,
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0023.RAW
Date & Time Acquired: 1/20/2022 9:07:49 PM
Method File: G:\Org\PE1\Methods\211208GCCV0120_23DoDB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

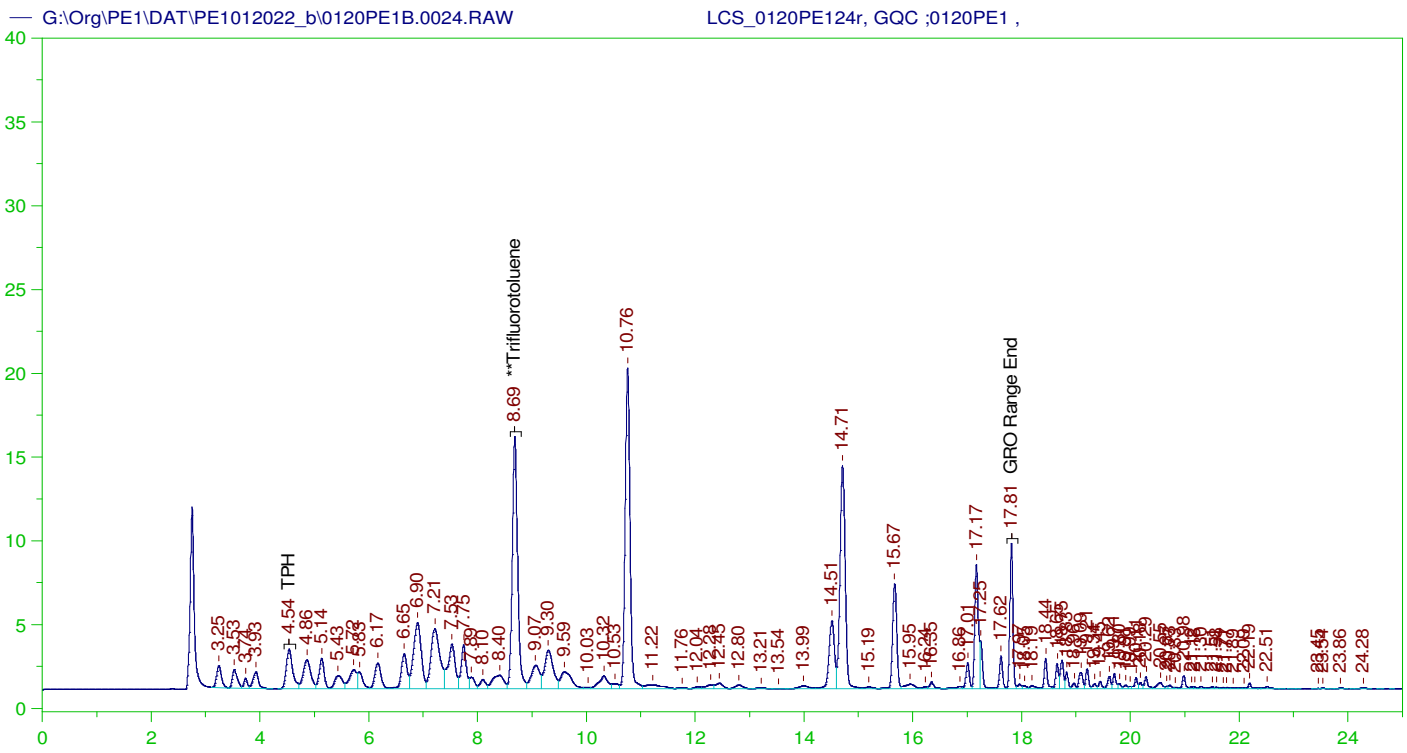
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.686	125.	117.367	93.89	-

C6 to C10 Area:853656.2 C6 to C10 Amount: 902.4157
TPH Area:982258.8 TPH Amount: 1080.128

CONTINUING CALIBRATION REPORT: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0023.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
C6 to C10	840.	902.42	107.43	85-115
TPH	1000.	1080.13	108.01	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	8.686	125.	117.367	93.89	85-115



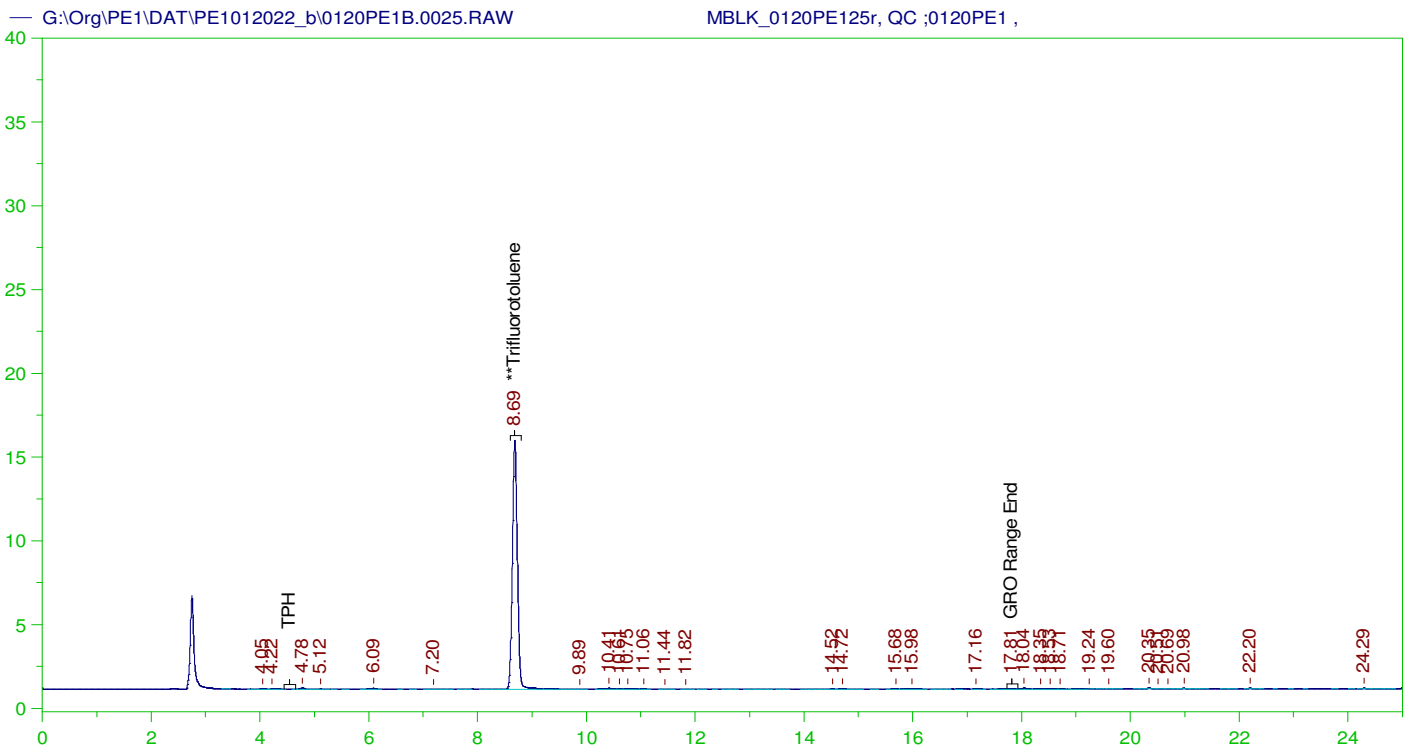
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: LCS_0120PE124r, GQC ;0120PE1 ,
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0024.RAW
Date & Time Acquired: 1/20/2022 9:42:10 PM
Method File: G:\Org\PE1\Methods\211208GLCS0120_24DoDB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 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.	21.991	87.96	-

C6 to C10 Area:713590.9 C6 to C10 Amount: 150.87
TPH Area:810175 TPH Amount: 178.1796



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: MBLK_0120PE125r, QC ;0120PE1 ,
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0025.RAW
Date & Time Acquired: 1/20/2022 10:16:32 PM
Method File: G:\Org\PE1\Methods\211208GRO_DoDB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

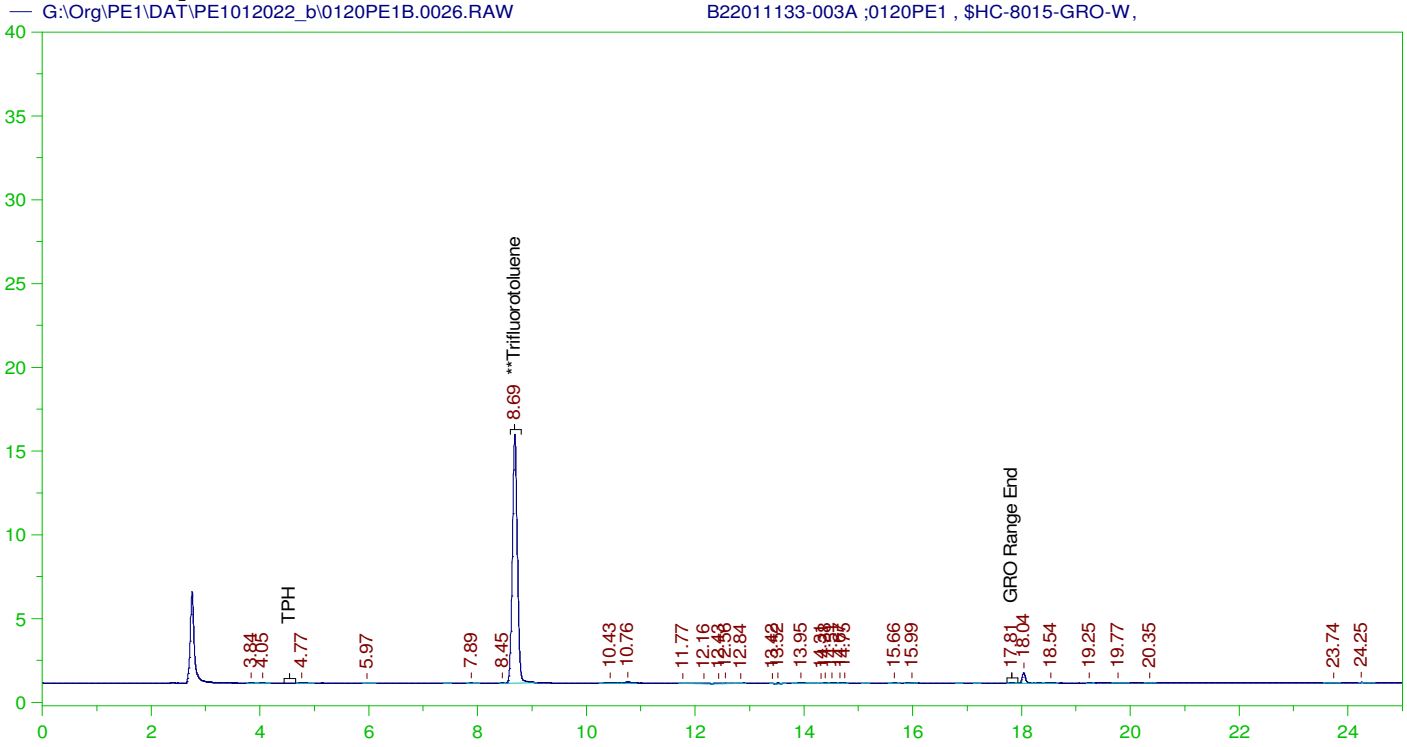
Mean RF for C6 to C10: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.686	25.	20.234	80.93	-

C6 to C10 Area:4815.752 C6 to C10 Amount: 1.018164
TPH Area:7133.743 TPH Amount: 1.568905

ERH2443 (Trip Blank) 14733

G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0026.RAW B22011133-003A ;0120PE1 , $HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

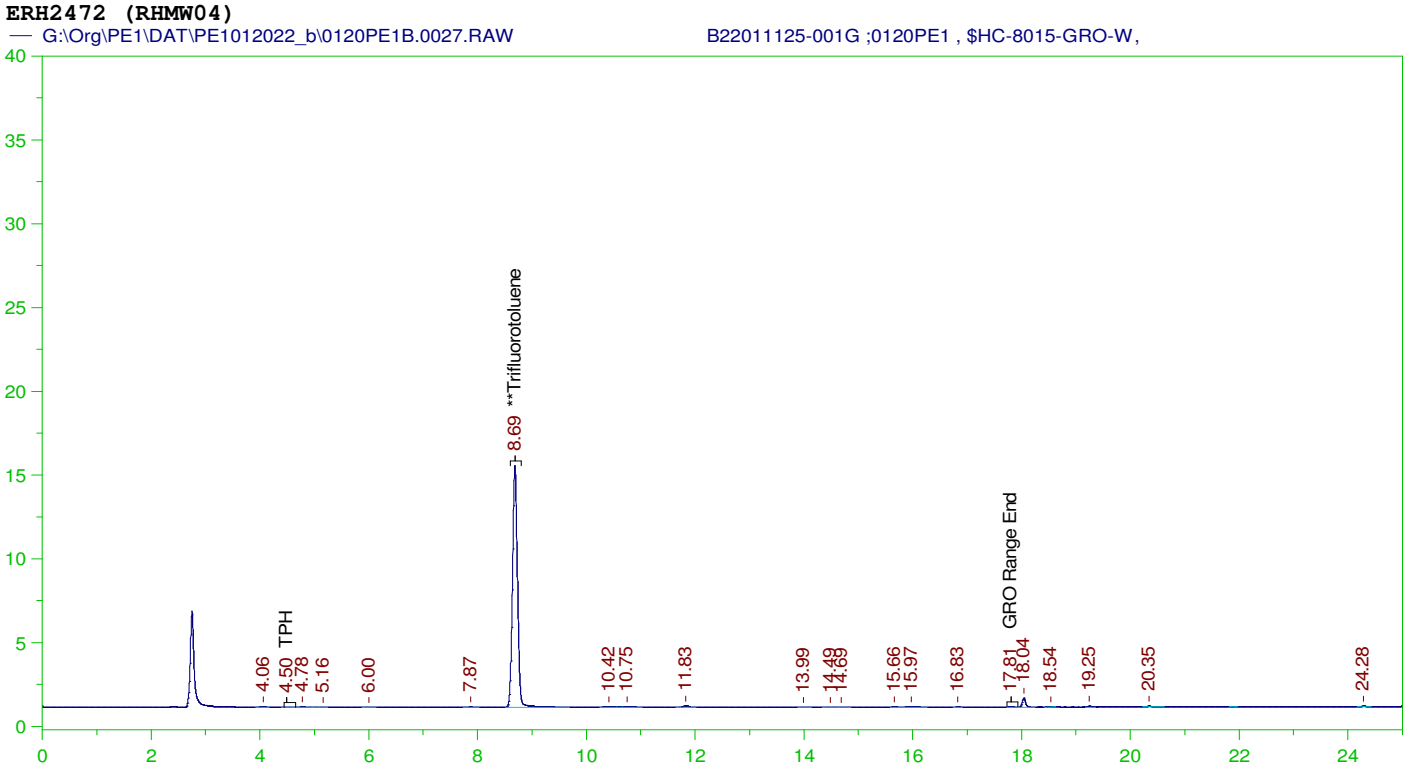
Sample Name: B22011133-003A ;0120PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0026.RAW
Date & Time Acquired: 1/20/2022 10:50:51 PM
Method File: G:\Org\PE1\Methods\211208G1133-3DoDB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 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.	20.062	80.25	-

C6 to C10 Area:4180.117 C6 to C10 Amount: 0.8837758
TPH Area:7723.708 TPH Amount: 1.698654

ERH2472 (RHMW04)



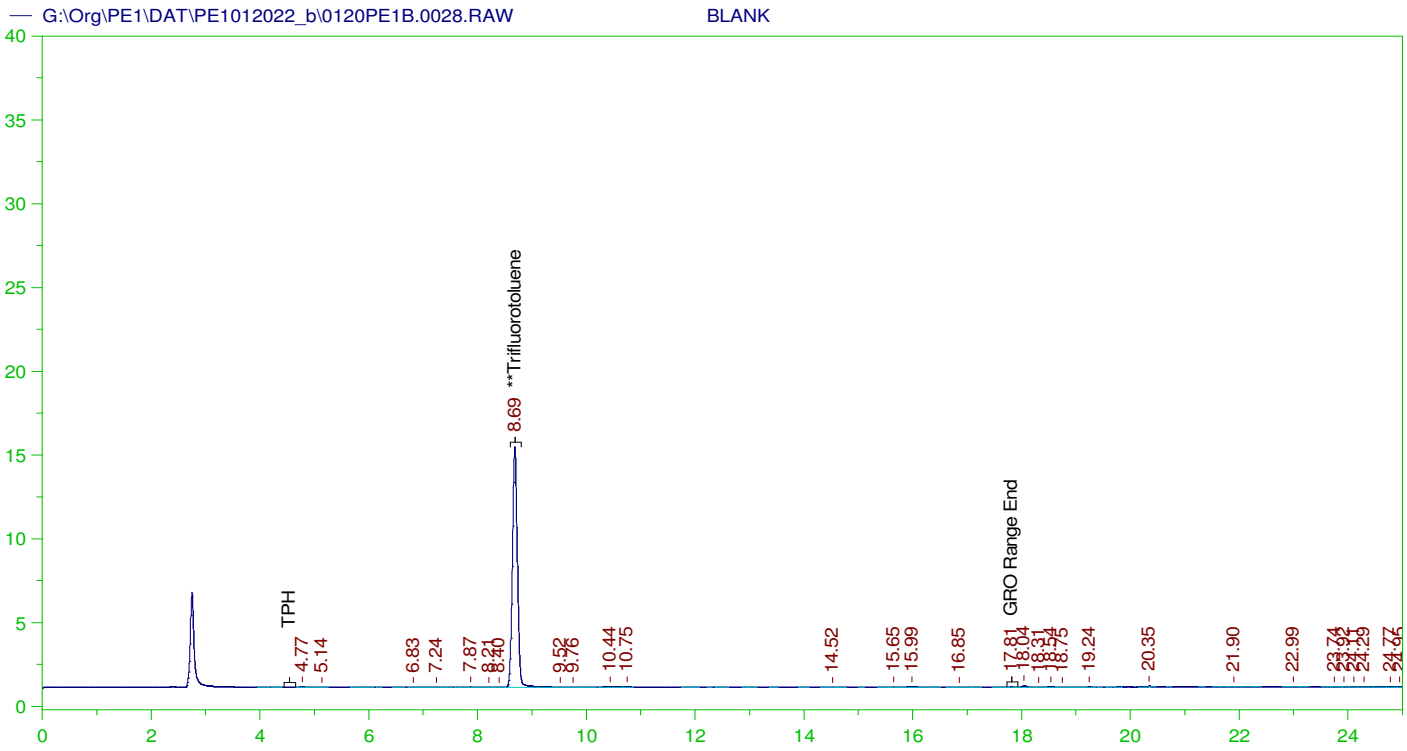
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22011125-001G ;0120PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0027.RAW
Date & Time Acquired: 1/20/2022 11:25:12 PM
Method File: G:\Org\PE1\Methods\211208G1125-1DoDB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 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.	19.63	78.52	-

C6 to C10 Area:3097.752 C6 to C10 Amount: 0.6549382
TPH Area:6282.431 TPH Amount: 1.381678



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0028.RAW
Date & Time Acquired: 1/20/2022 11:59:36 PM
Method File: G:\Org\PE1\Methods\211208GRO_DoDB.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

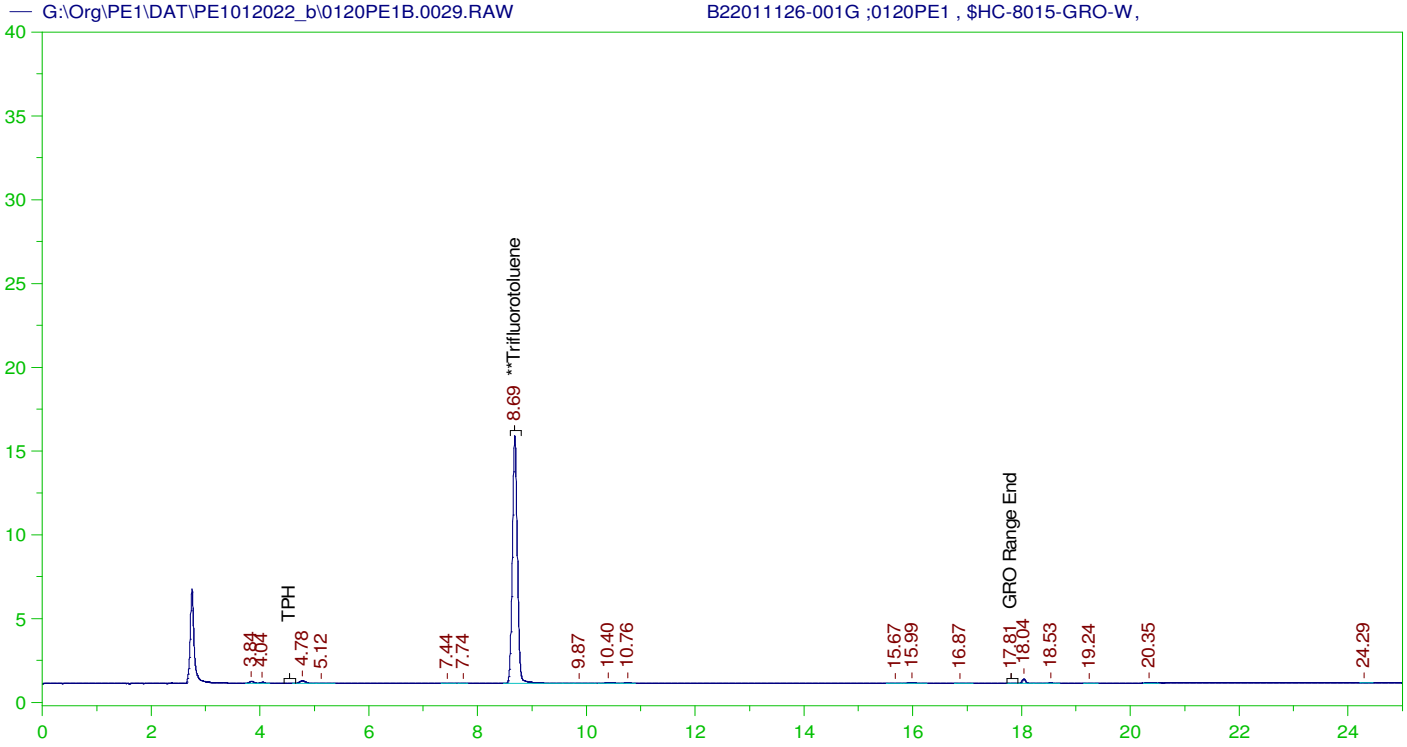
Mean RF for C6 to C10: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.686	125.	97.74	78.19	-

C6 to C10 Area:3371.24 C6 to C10 Amount: 3.5638
TPH Area:6577.169 TPH Amount: 7.232494

ERH2450 (OWDFMW05A)

G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0029.RAW B22011126-001G ;0120PE1 , $HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

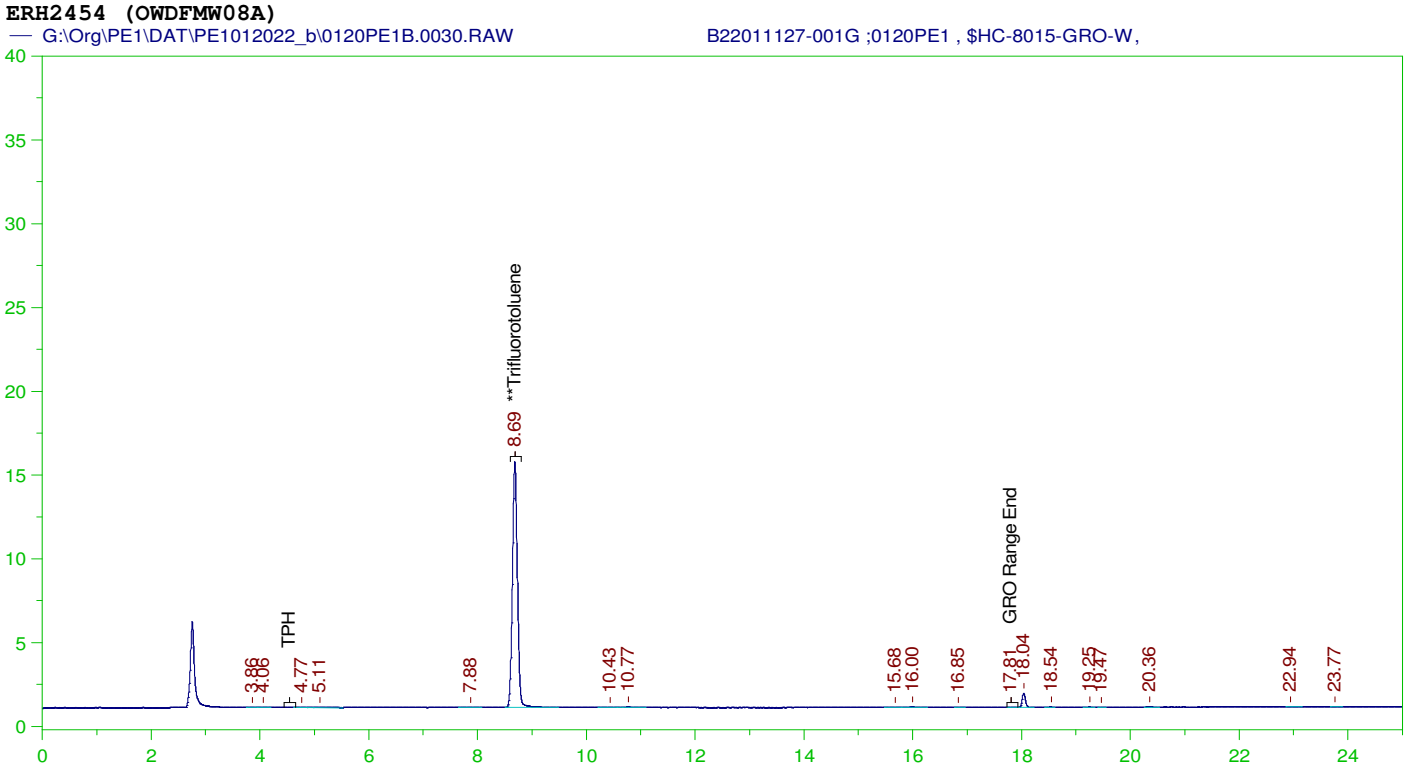
Sample Name: B22011126-001G ;0120PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0029.RAW
Date & Time Acquired: 1/21/2022 12:34:01 AM
Method File: G:\Org\PE1\Methods\211208G1126-1DoDB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 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.	20.175	80.7	-

C6 to C10 Area:3409.511 C6 to C10 Amount: 0.7208515
TPH Area:6184.753 TPH Amount: 1.360196

ERH2454 (OWDFMW08A)



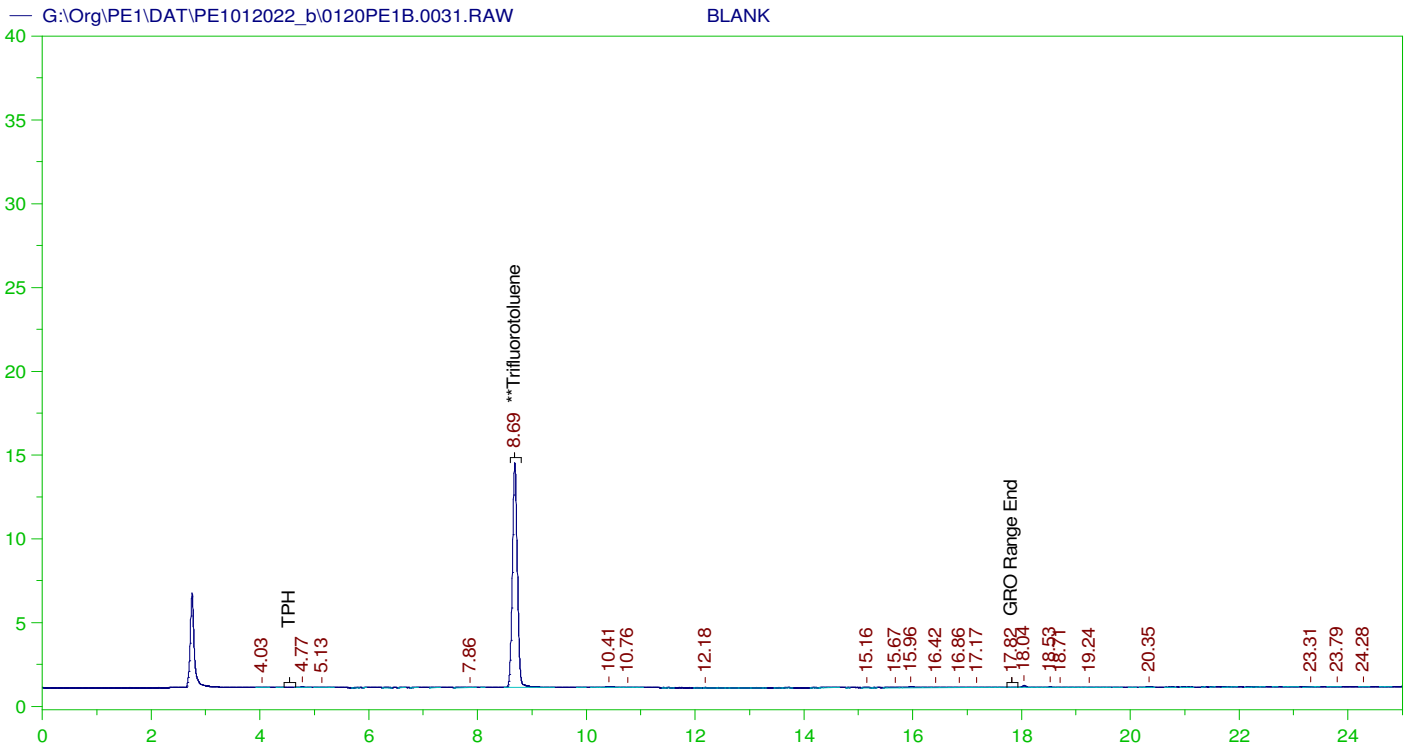
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22011127-001G ;0120PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0030.RAW
Date & Time Acquired: 1/21/2022 1:08:25 AM
Method File: G:\Org\PE1\Methods\211208G1127-1DoDB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 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.	19.99	79.96	-

C6 to C10 Area:2315.802 C6 to C10 Amount: 0.4896154
TPH Area:6582.532 TPH Amount: 1.447678



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0031.RAW
Date & Time Acquired: 1/21/2022 1:42:44 AM
Method File: G:\Org\PE1\Methods\211208GRO_DoDB.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

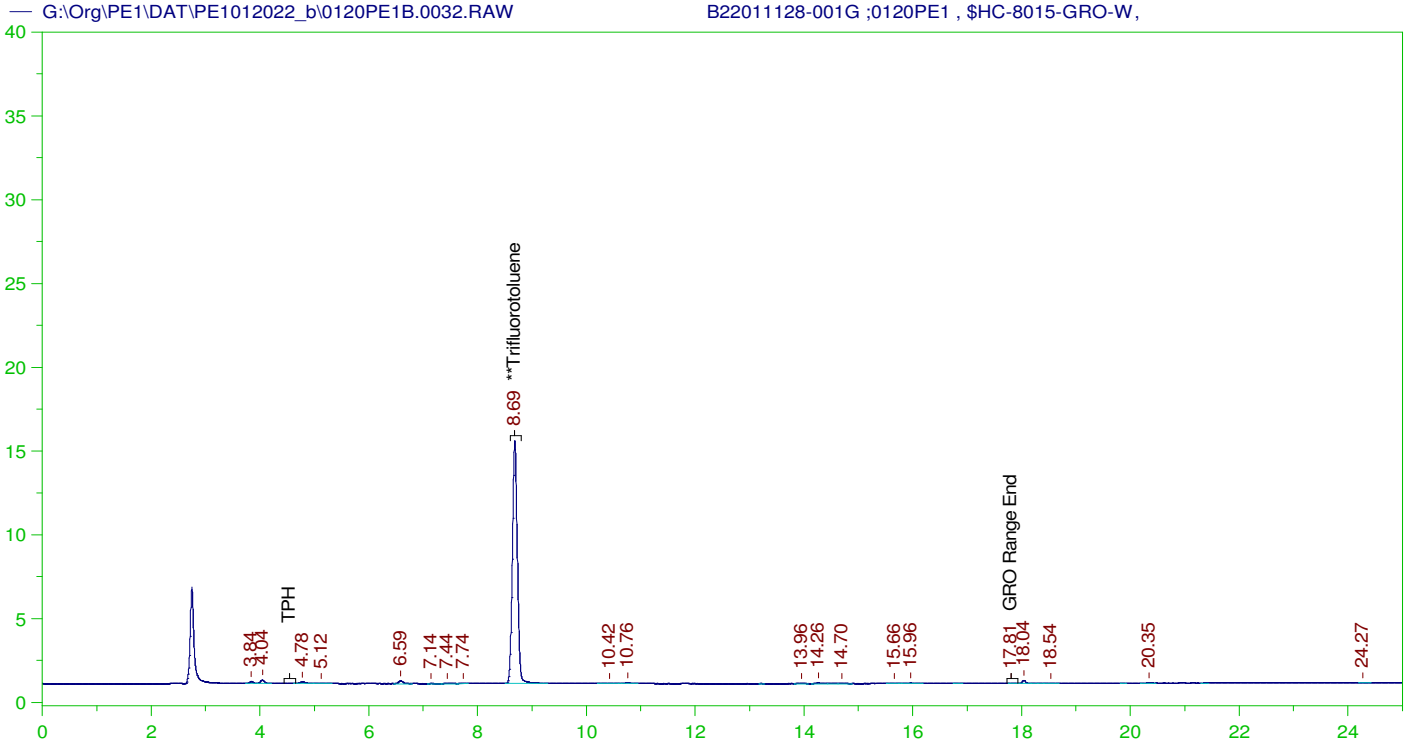
Mean RF for C6 to C10: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.686	125.	91.323	73.06	-

C6 to C10 Area:3330.869 C6 to C10 Amount: 3.521123
TPH Area:5272.458 TPH Amount: 5.797787

ERH2448 (OWDFMW04A)

G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0032.RAW B22011128-001G ;0120PE1 , $HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22011128-001G ;0120PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0032.RAW
Date & Time Acquired: 1/21/2022 2:17:01 AM
Method File: G:\Org\PE1\Methods\211208G1128-1DoDB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

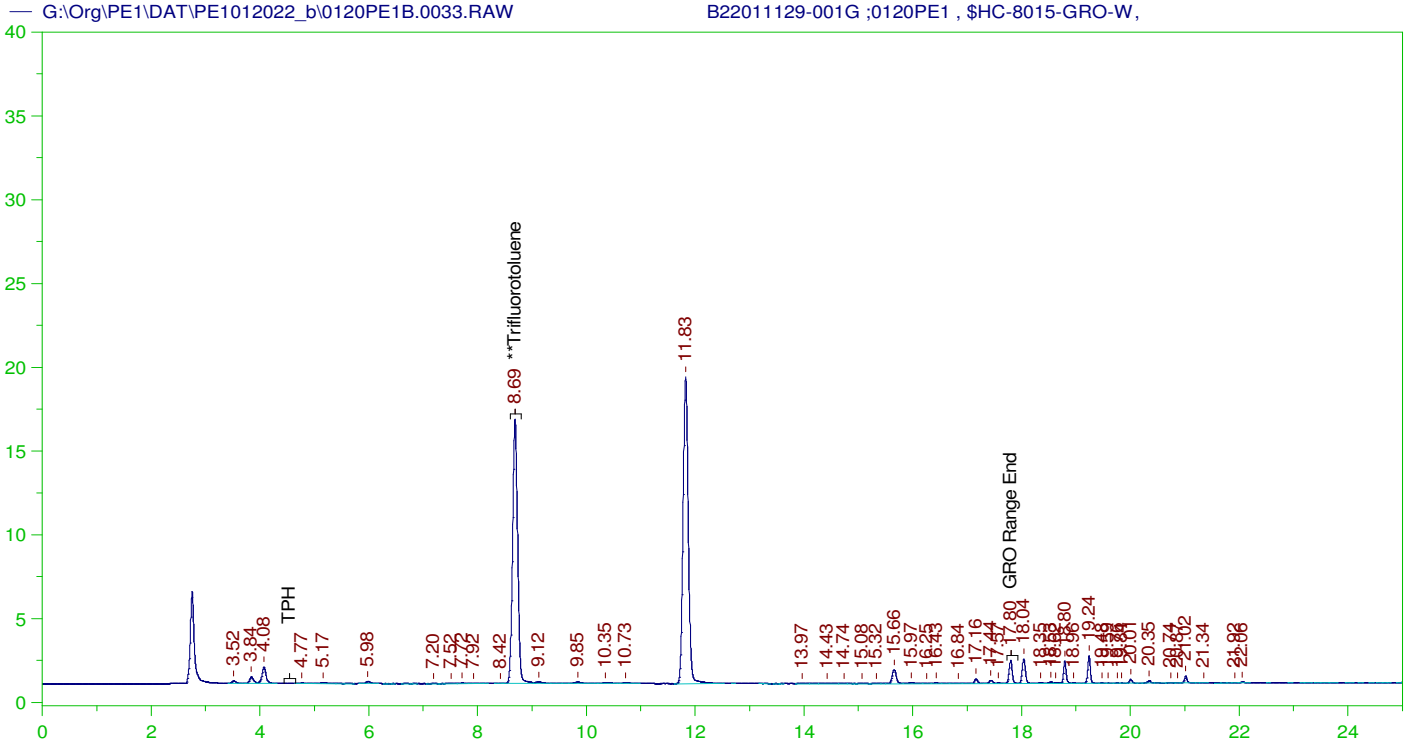
Mean RF for C6 to C10: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.686	25.	19.665	78.66	-

C6 to C10 Area:3982.255 C6 to C10 Amount: 0.8419431
TPH Area:6974.028 TPH Amount: 1.533779

ERH2422 (RHMW04)

G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0033.RAW B22011129-001G ;0120PE1 , $HC-8015-GRO-W,



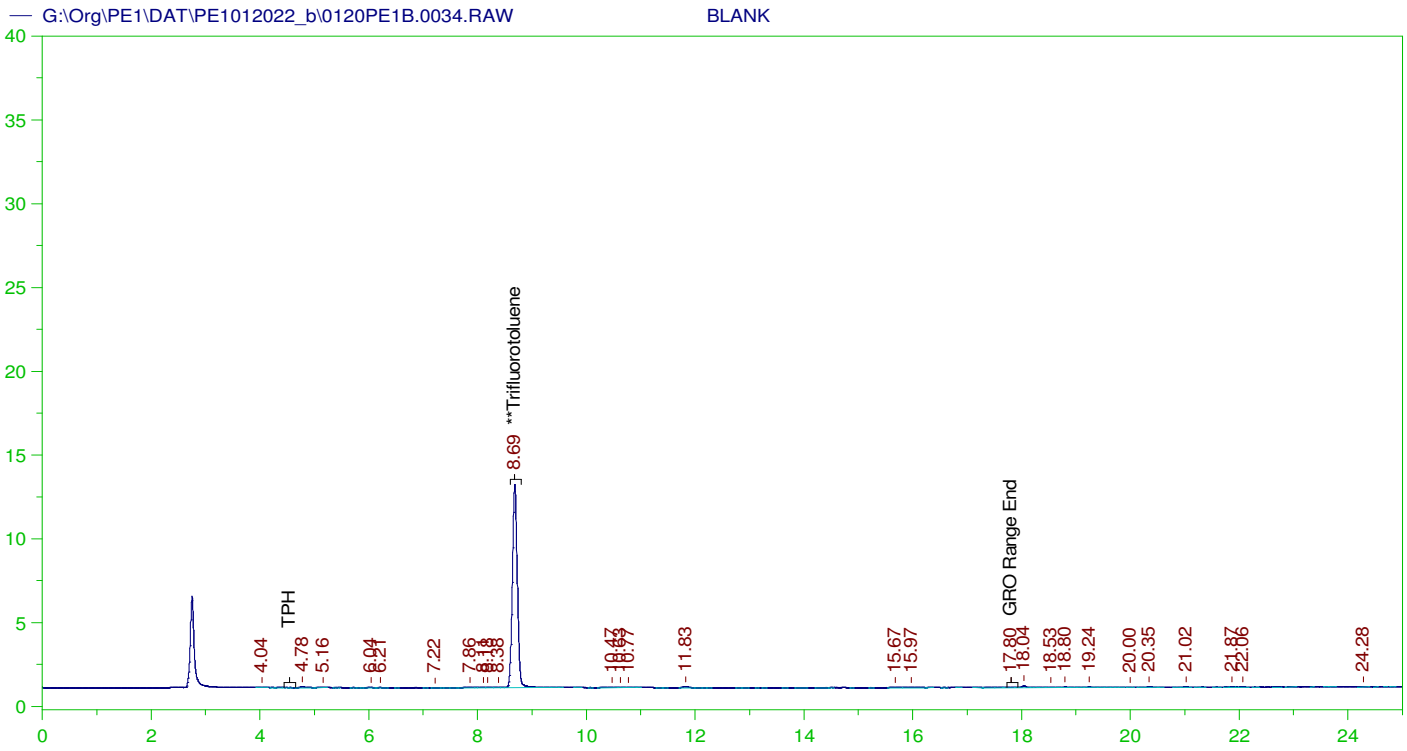
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22011129-001G ;0120PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0033.RAW
Date & Time Acquired: 1/21/2022 2:51:20 AM
Method File: G:\Org\PE1\Methods\211208GRO_DoDB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 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.	21.684	86.73	-

C6 to C10 Area:142285.7 C6 to C10 Amount: 30.08257
TPH Area:172632.5 TPH Amount: 37.96661



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0034.RAW
Date & Time Acquired: 1/21/2022 3:25:40 AM
Method File: G:\Org\PE1\Methods\211208GRO_DoDB.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

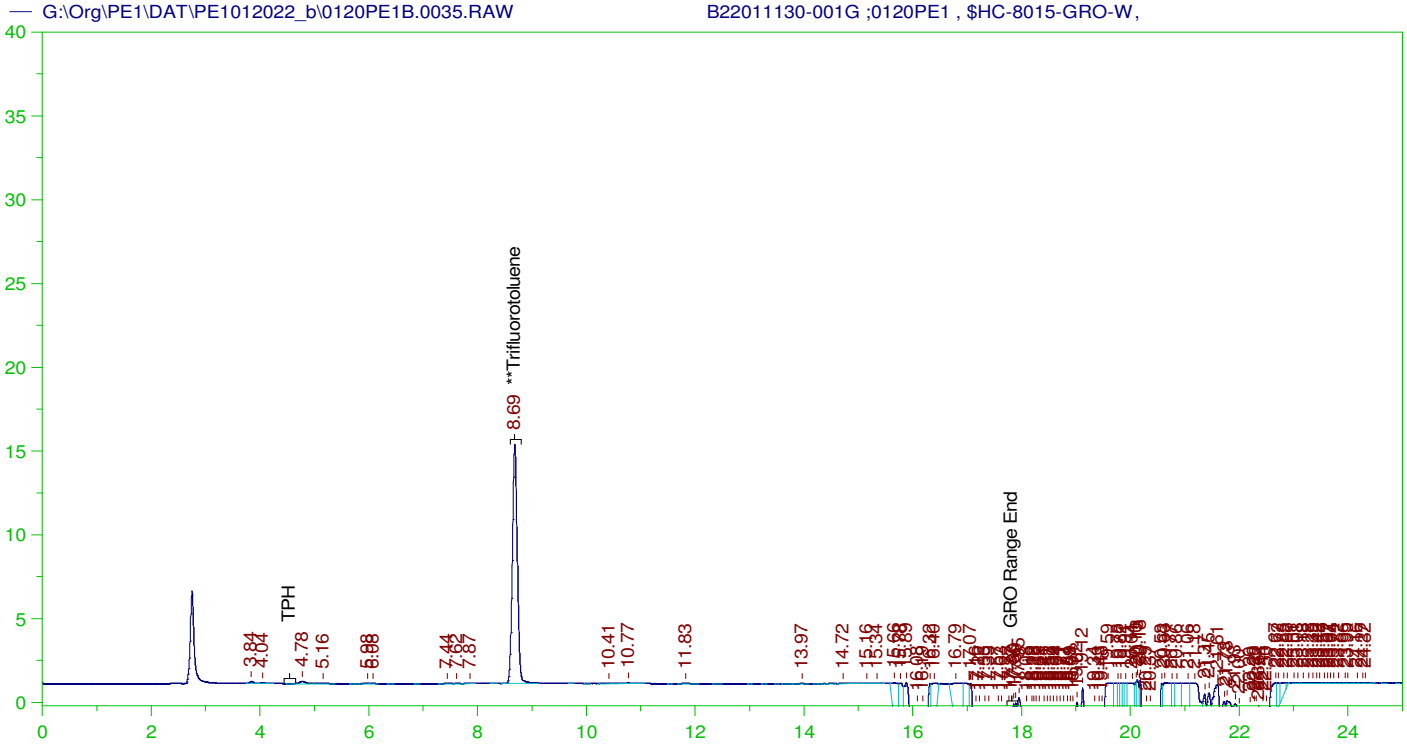
Mean RF for C6 to C10: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.685	125.	82.818	66.25	-

C6 to C10 Area:3719.147 C6 to C10 Amount: 3.931579
TPH Area:6150.52 TPH Amount: 6.763336

ERH2458 (RHMW16)

G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0035.RAW B22011130-001G ;0120PE1 , $HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22011130-001G ;0120PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0035.RAW
Date & Time Acquired: 1/21/2022 3:59:57 AM
Method File: G:\Org\PE1\Methods\211208GRO_DoDB.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

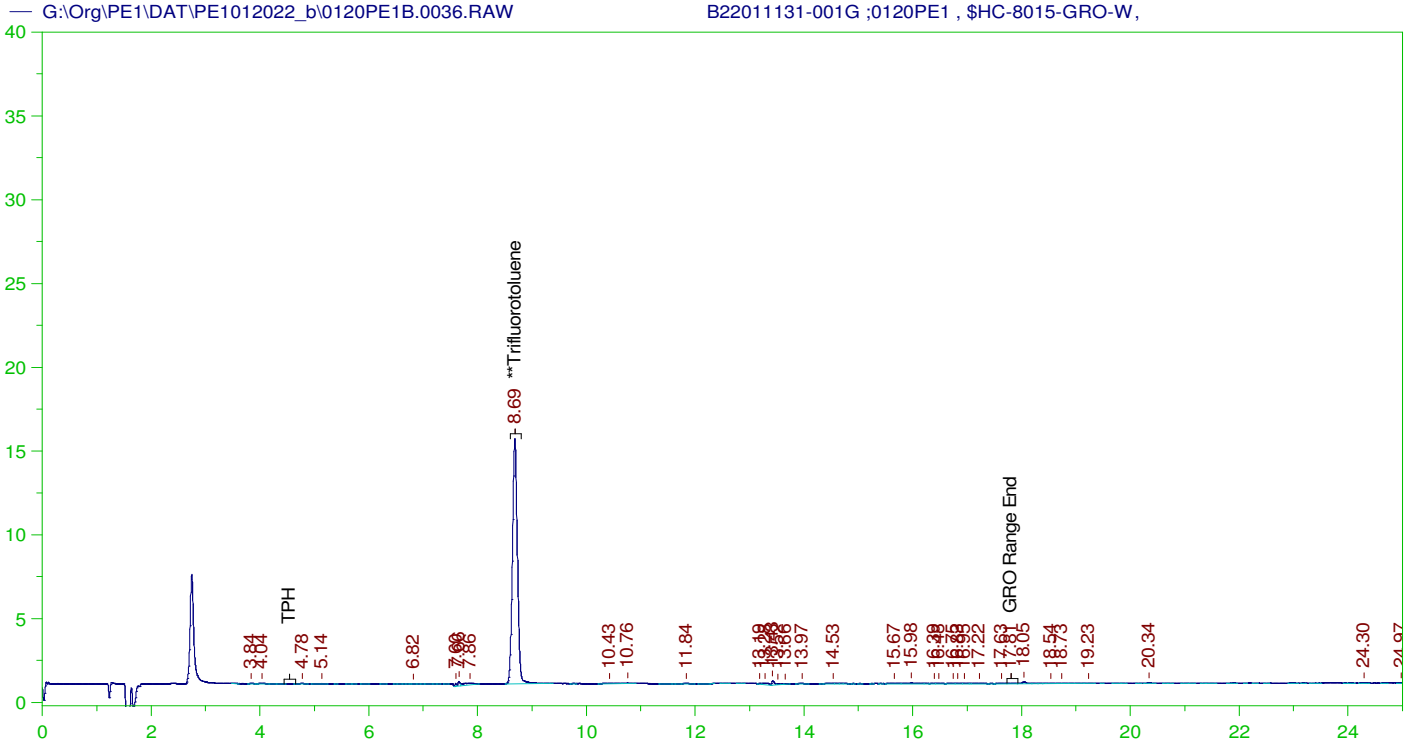
Mean RF for C6 to C10: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.685	25.	19.257	77.03	-

C6 to C10 Area:463495.6 C6 to C10 Amount: 97.99396
TPH Area:1828525 TPH Amount: 402.1426

ERH2460 (RHMW12A)

G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0036.RAW B22011131-001G ;0120PE1 , $HC-8015-GRO-W,



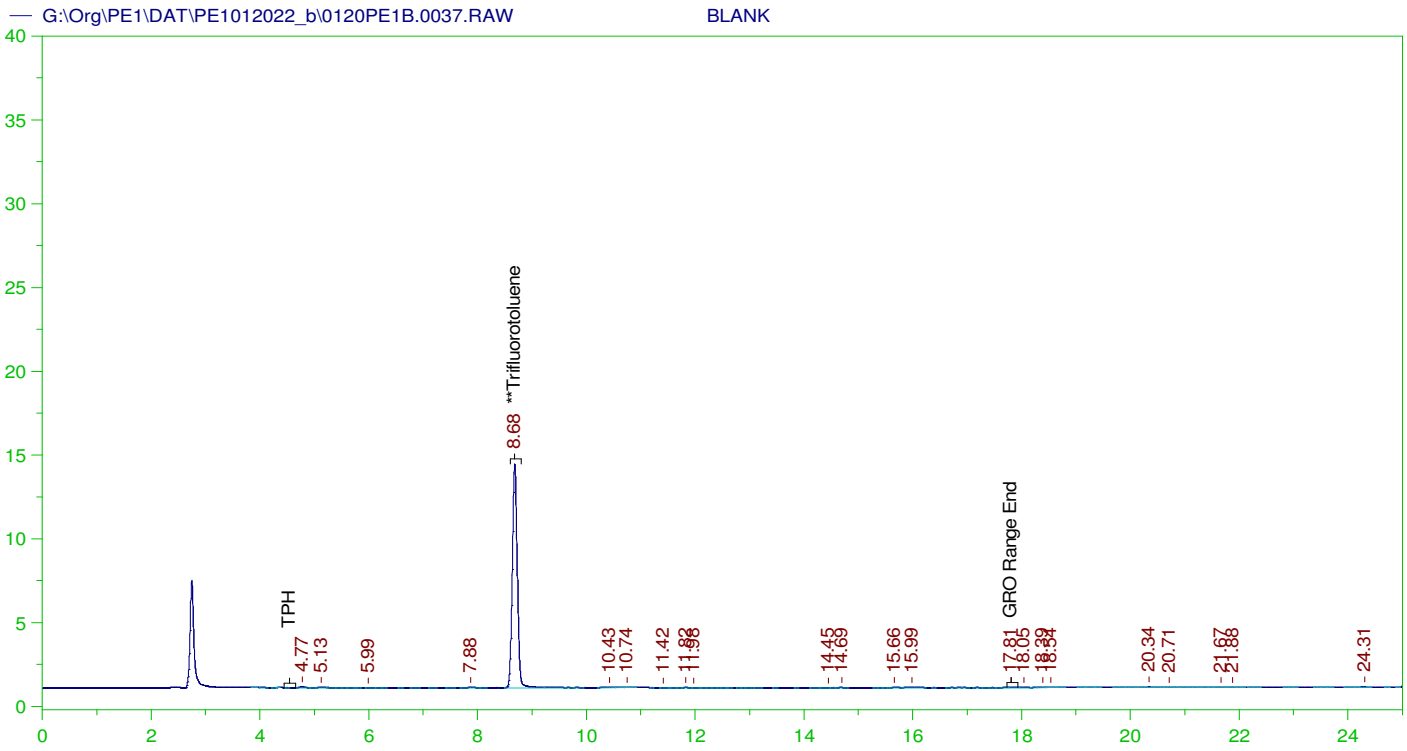
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22011131-001G ;0120PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0036.RAW
Date & Time Acquired: 1/21/2022 4:34:12 AM
Method File: G:\Org\PE1\Methods\211208GRO_DoDB.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 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.	19.836	79.34	-

C6 to C10 Area:7948.193 C6 to C10 Amount: 1.680436
TPH Area:9869.213 TPH Amount: 2.170509



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0037.RAW
Date & Time Acquired: 1/21/2022 5:08:28 AM
Method File: G:\Org\PE1\Methods\211208GRO_DoDB.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

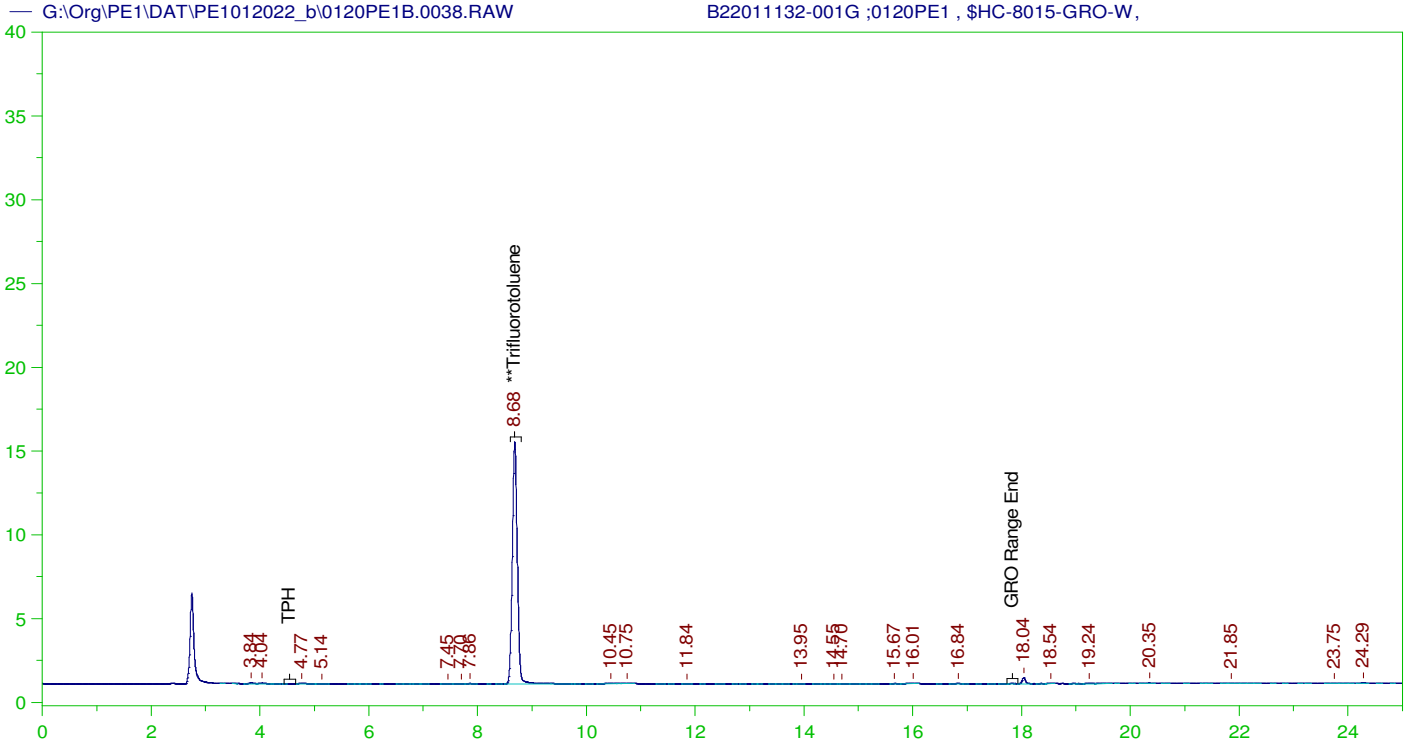
Mean RF for C6 to C10: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.685	125.	91.064	72.85	-

C6 to C10 Area:3299.625 C6 to C10 Amount: 3.488095
TPH Area:4783.455 TPH Amount: 5.260061

ERH2466 (RHMW09)

G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0038.RAW B22011132-001G ;0120PE1 , $HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22011132-001G ;0120PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0038.RAW
Date & Time Acquired: 1/21/2022 5:42:48 AM
Method File: G:\Org\PE1\Methods\211208GRO_DoDB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

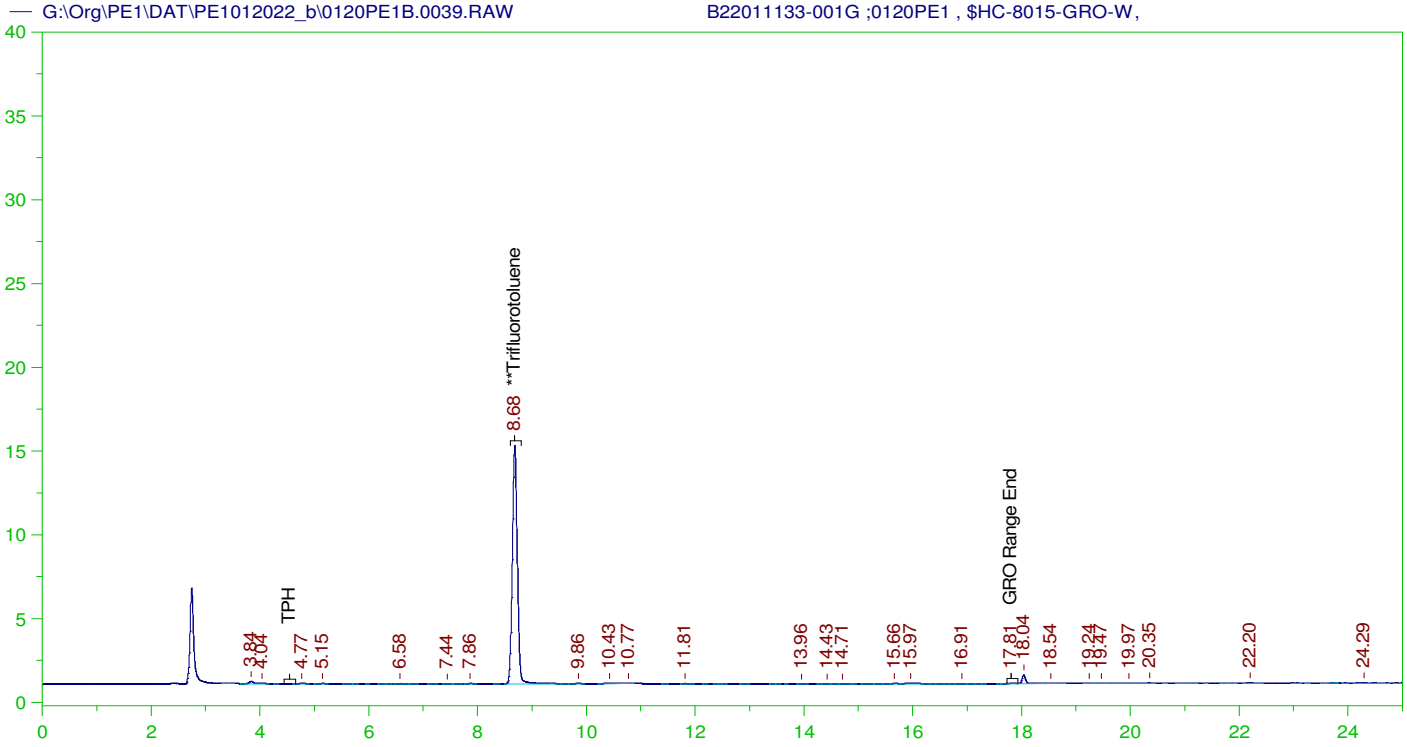
Mean RF for C6 to C10: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.685	25.	19.685	78.74	-

C6 to C10 Area:2511.224 C6 to C10 Amount: 0.5309322
TPH Area:5647.101 TPH Amount: 1.241951

ERH2444 (OWDFMW01)

G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0039.RAW B22011133-001G ;0120PE1 , $HC-8015-GRO-W,



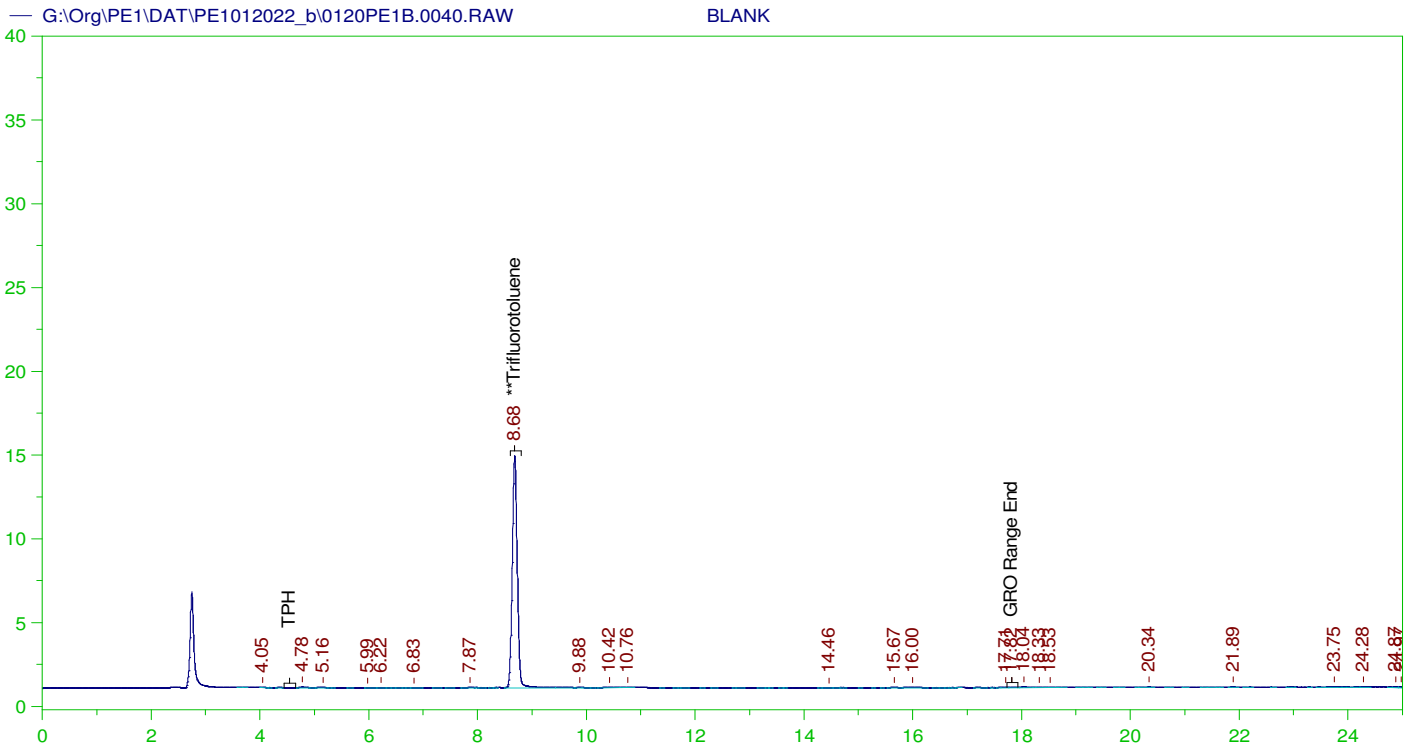
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22011133-001G ;0120PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0039.RAW
Date & Time Acquired: 1/21/2022 6:17:09 AM
Method File: G:\Org\PE1\Methods\211208GRO_DoDB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 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.	19.406	77.62	-

C6 to C10 Area:3026.909 C6 to C10 Amount: 0.6399603
TPH Area:7505.461 TPH Amount: 1.650656



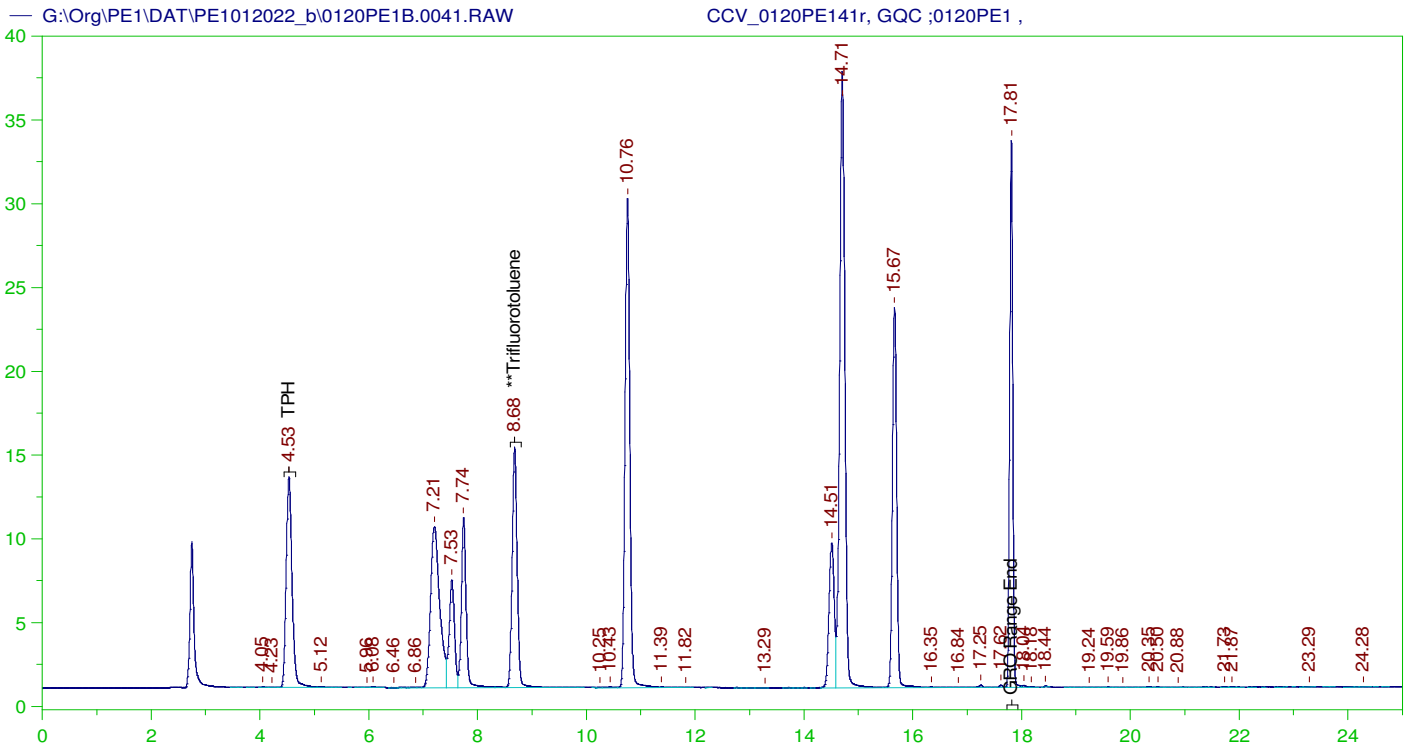
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0040.RAW
Date & Time Acquired: 1/21/2022 6:51:29 AM
Method File: G:\Org\PE1\Methods\211208GRO_DoDB.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 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.	94.639	75.71	-

C6 to C10 Area:2609.229 C6 to C10 Amount: 2.758265
TPH Area:4507.014 TPH Amount: 4.956077



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_0120PE141r, GQC ;0120PE1 ,
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0041.RAW
Date & Time Acquired: 1/21/2022 7:25:45 AM
Method File: G:\Org\PE1\Methods\211208GRO_DoDB.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

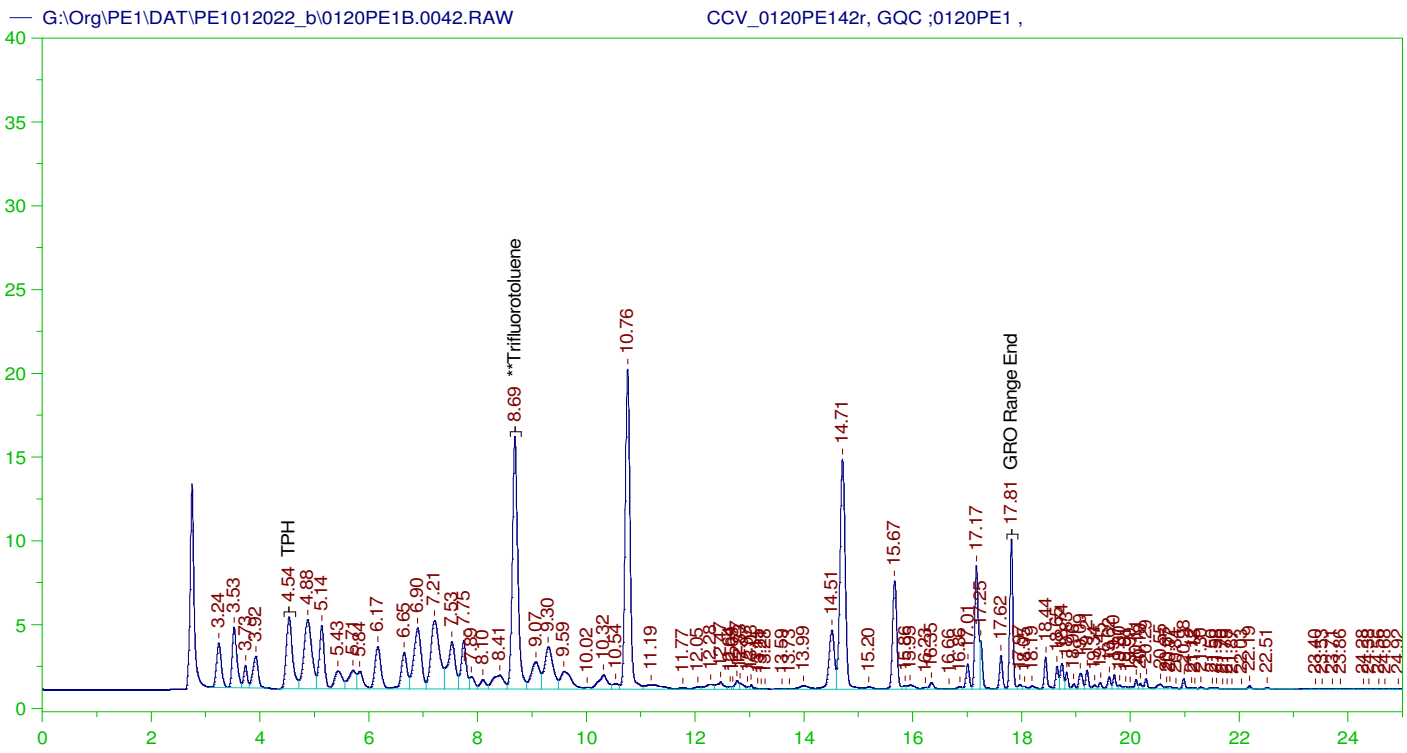
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.682	125.	98.291	78.63	-

C6 to C10 Area:1052797 C6 to C10 Amount: 1112.931
TPH Area:1055428 TPH Amount: 1160.587

CONTINUING CALIBRATION REPORT: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0041.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
C6 to C10	840.	1112.93	132.49	85-115
TPH	1000.	1160.59	116.06	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	8.682	125.	98.291	78.63	85-115



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_0120PE142r, GQC ;0120PE1 ,
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0042.RAW
Date & Time Acquired: 1/21/2022 7:59:56 AM
Method File: G:\Org\PE1\Methods\211208GCCV0120_42DoDB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

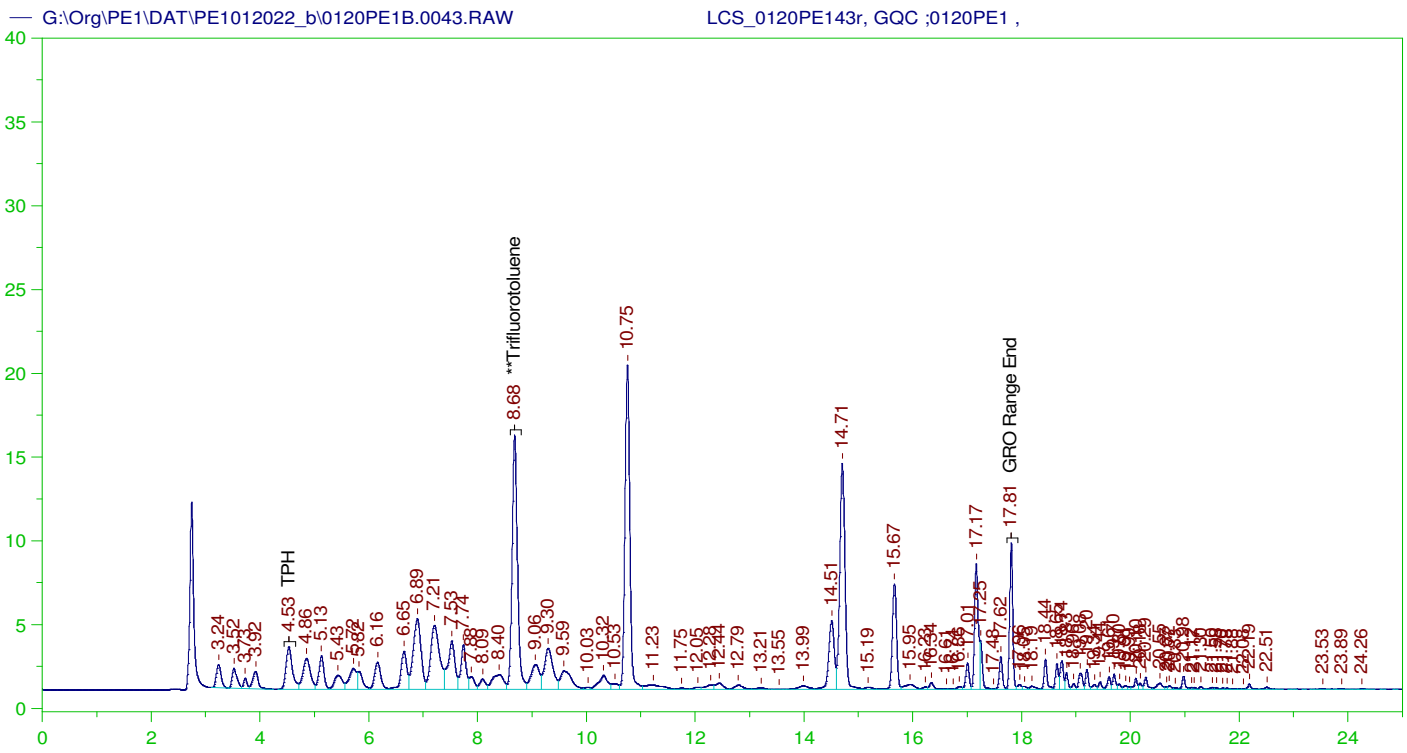
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.687	125.	112.262	89.81	-

C6 to C10 Area:798887.6 C6 to C10 Amount: 844.5188
TPH Area:922457.8 TPH Amount: 1014.368

CONTINUING CALIBRATION REPORT: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0042.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
C6 to C10	840.	844.52	100.54	85-115
TPH	1000.	1014.37	101.44	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	8.687	125.	112.262	89.81	85-115



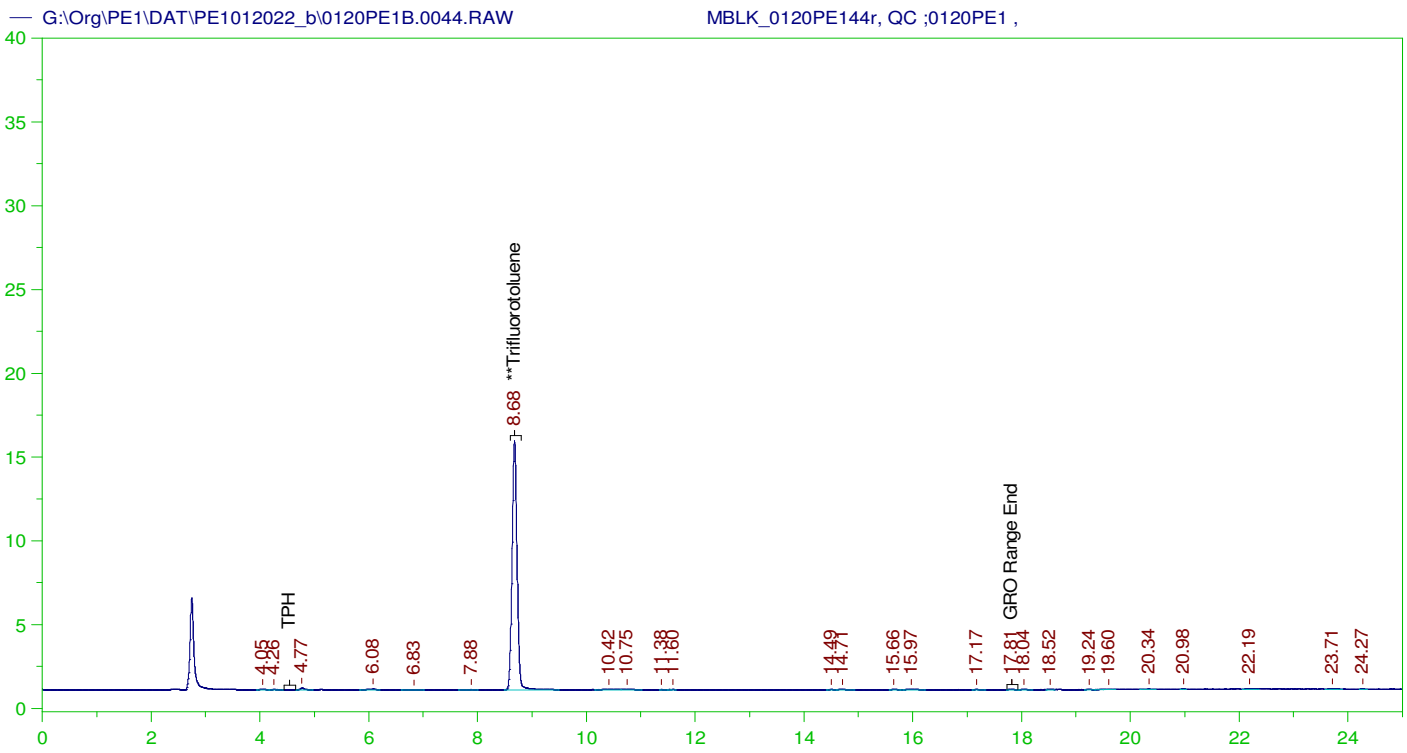
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: LCS_0120PE143r, GQC ;0120PE1 ,
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0043.RAW
Date & Time Acquired: 1/21/2022 8:34:09 AM
Method File: G:\Org\PE1\Methods\211208GLCS0120_43DoDB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 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	8.682	25.	22.173	88.69	-

C6 to C10 Area:736653.4 C6 to C10 Amount: 155.746
TPH Area:834388.1 TPH Amount: 183.5047



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

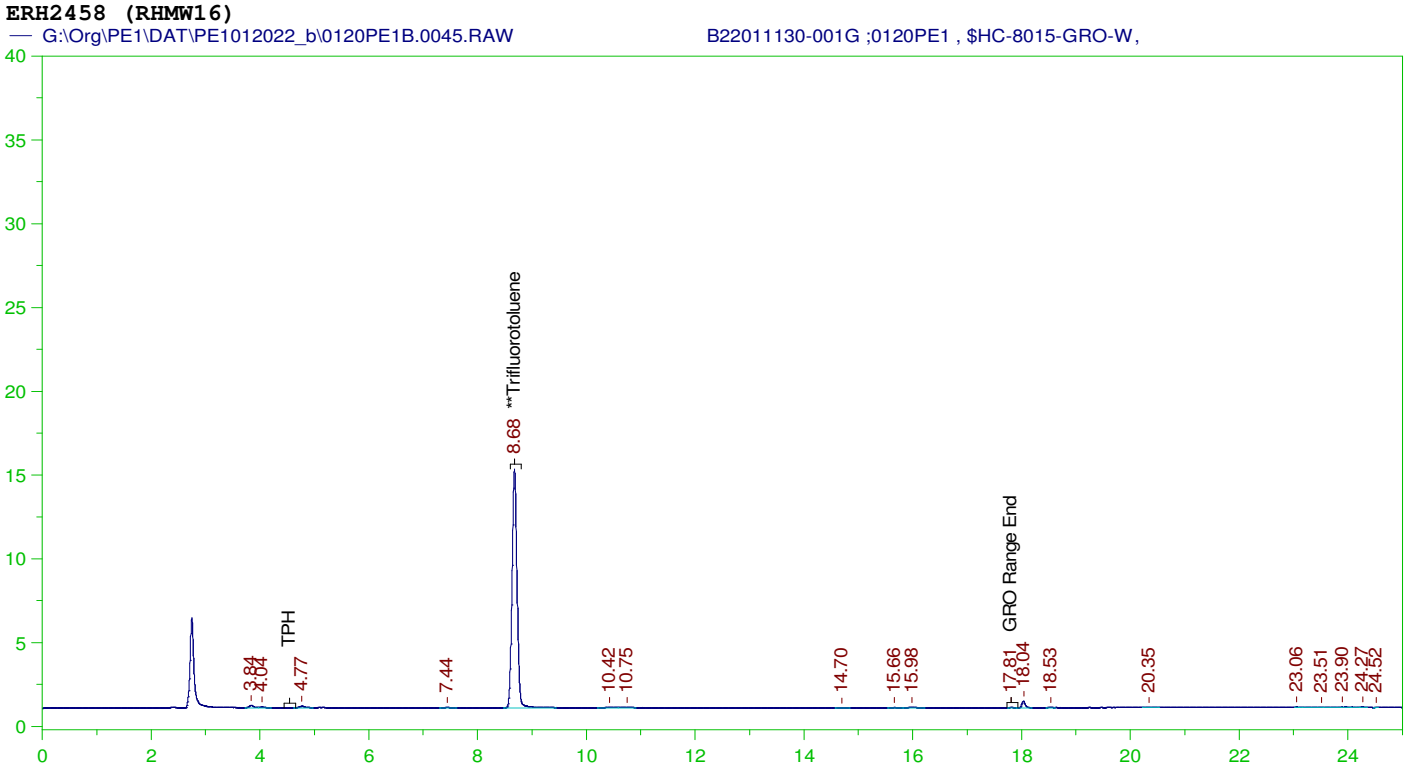
Sample Name: MBLK_0120PE144r, QC ;0120PE1 ,
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0044.RAW
Date & Time Acquired: 1/21/2022 9:08:23 AM
Method File: G:\Org\PE1\Methods\211208GMB0120_44DoDB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 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	8.68	25.	20.264	81.06	-

C6 to C10 Area:3751.622 C6 to C10 Amount: 0.7931818
TPH Area:4904.389 TPH Amount: 1.078609

ERH2458 (RHMW16)



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

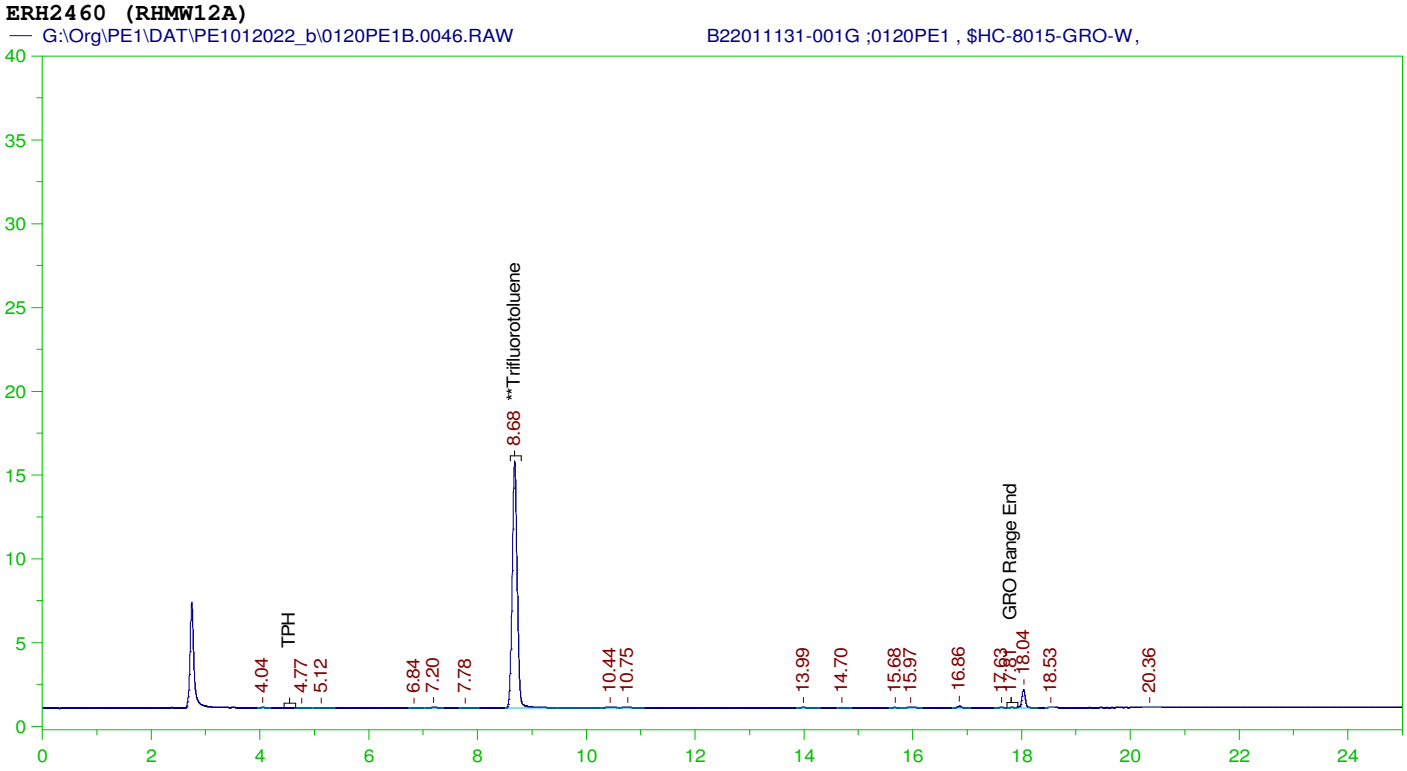
Sample Name: B22011130-001G ;0120PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0045.RAW
Date & Time Acquired: 1/21/2022 9:42:39 AM
Method File: G:\Org\PE1\Methods\211208G1130-1DoDB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 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	8.68	25.	19.431	77.72	-

C6 to C10 Area:2255.568 C6 to C10 Amount: 0.4768805
TPH Area:6238.109 TPH Amount: 1.37193

ERH2460 (RHMW12A)



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22011131-001G ;0120PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0046.RAW
Date & Time Acquired: 1/21/2022 10:16:57 AM
Method File: G:\Org\PE1\Methods\211208G1131-1DoDB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

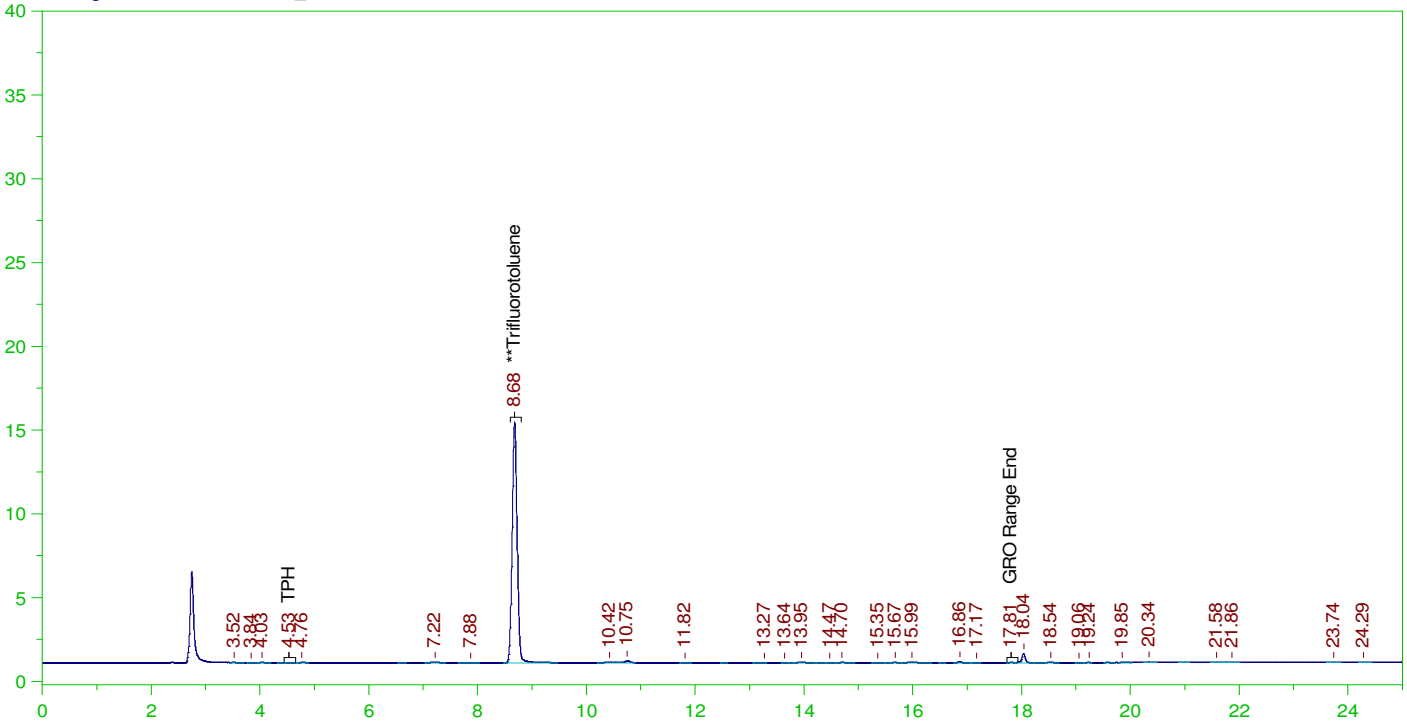
Mean RF for C6 to C10: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.683	25.	20.122	80.49	-

C6 to C10 Area:3155.497 C6 to C10 Amount: 0.6671468
TPH Area:8431.092 TPH Amount: 1.854227

ERH2447 (Trip Blank)-14733

G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0047.RAW B22011128-003A ;0120PE1 , $HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22011128-003A ;0120PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0047.RAW
Date & Time Acquired: 1/21/2022 10:51:12 AM
Method File: G:\Org\PE1\Methods\211208G1128-3DoDB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

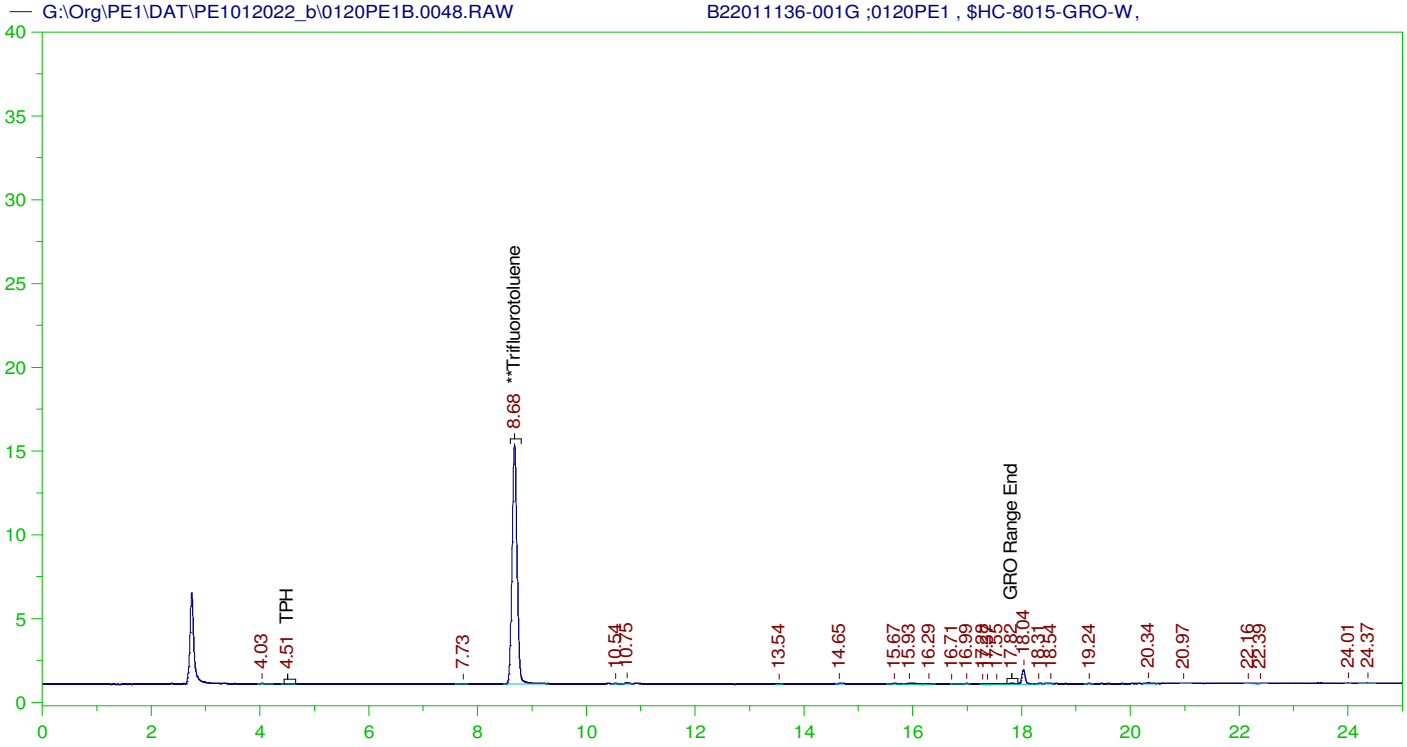
Mean RF for C6 to C10: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.682	25.	19.603	78.41	-

C6 to C10 Area:4938.003 C6 to C10 Amount: 1.044011
TPH Area:8729.631 TPH Amount: 1.919884

ERH2433 (RHMW05 w/MS/MSD volumes)

G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0048.RAW B22011136-001G ;0120PE1 , $HC-8015-GRO-W,



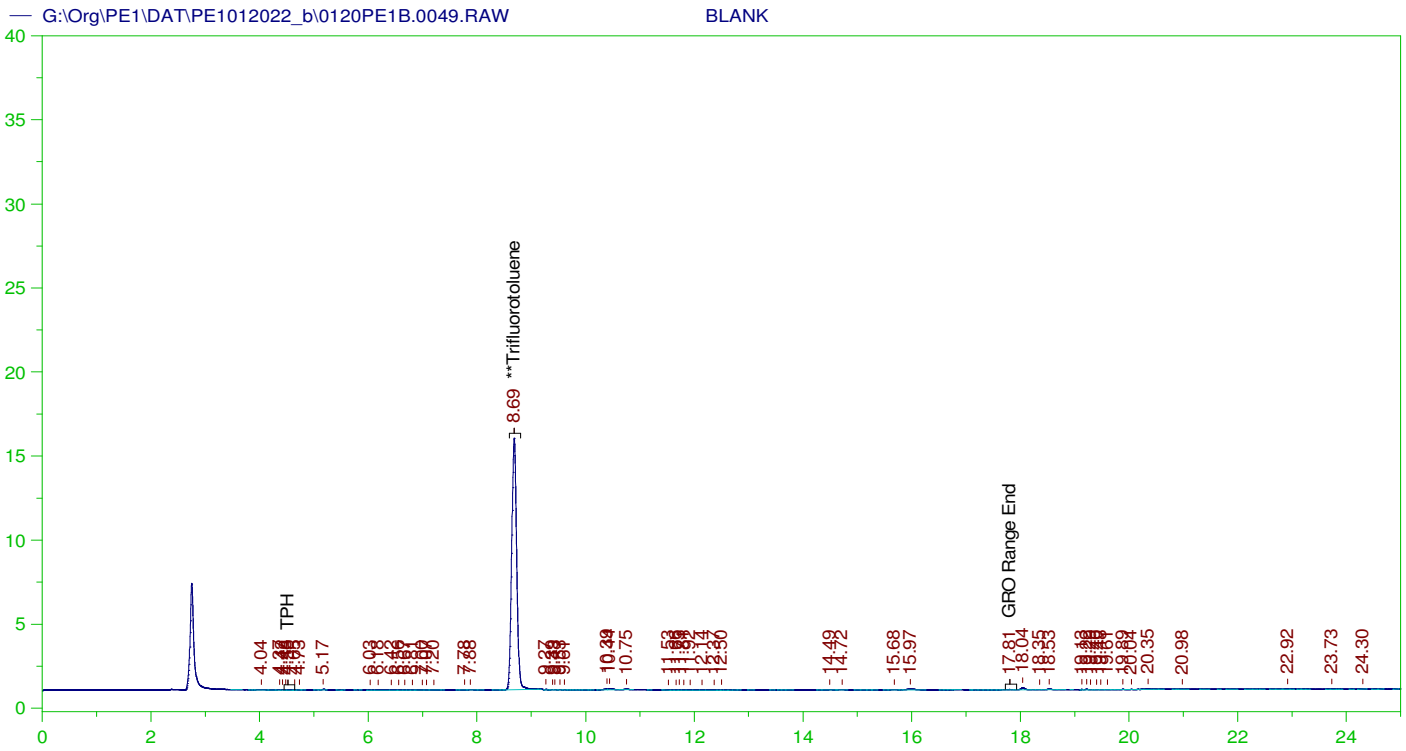
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22011136-001G ;0120PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0048.RAW
Date & Time Acquired: 1/21/2022 11:25:27 AM
Method File: G:\Org\PE1\Methods\211208G1136-1DoDB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 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	8.68	25.	19.424	77.7	-

C6 to C10 Area:3542.37 C6 to C10 Amount: 0.748941
TPH Area:9164.616 TPH Amount: 2.015549



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0049.RAW
Date & Time Acquired: 1/21/2022 11:59:50 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

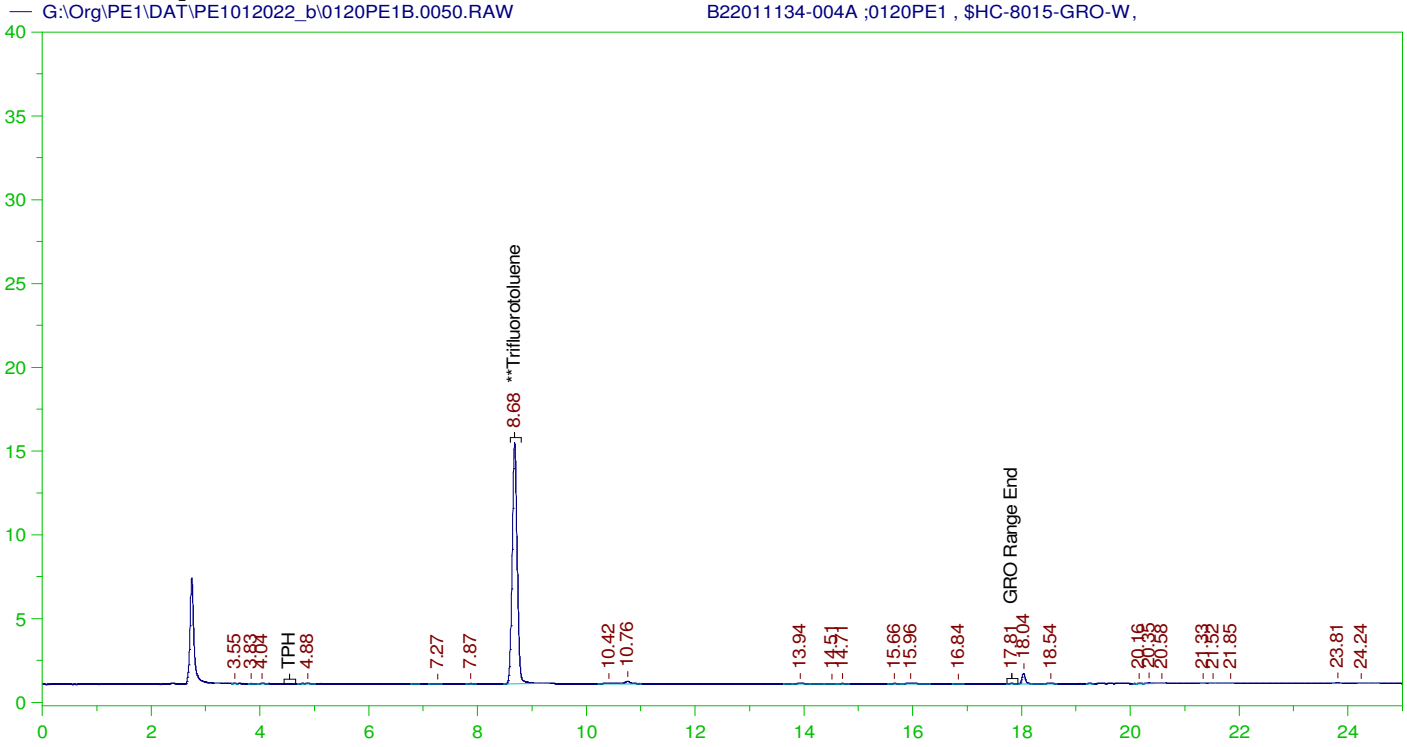
Mean RF for GRO: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.685	125.	101.189	80.95	-

GRO Area:5802.168 GRO Amount: 6.133579
TPH Area:8987.053 TPH Amount: 9.88249

ERH2425 (Trip Blank) 14733

G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0050.RAW B22011134-004A ;0120PE1 , $HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22011134-004A ;0120PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0050.RAW
Date & Time Acquired: 1/21/2022 12:34:13 PM
Method File: G:\Org\PE1\Methods\211208G1134-4DoDB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

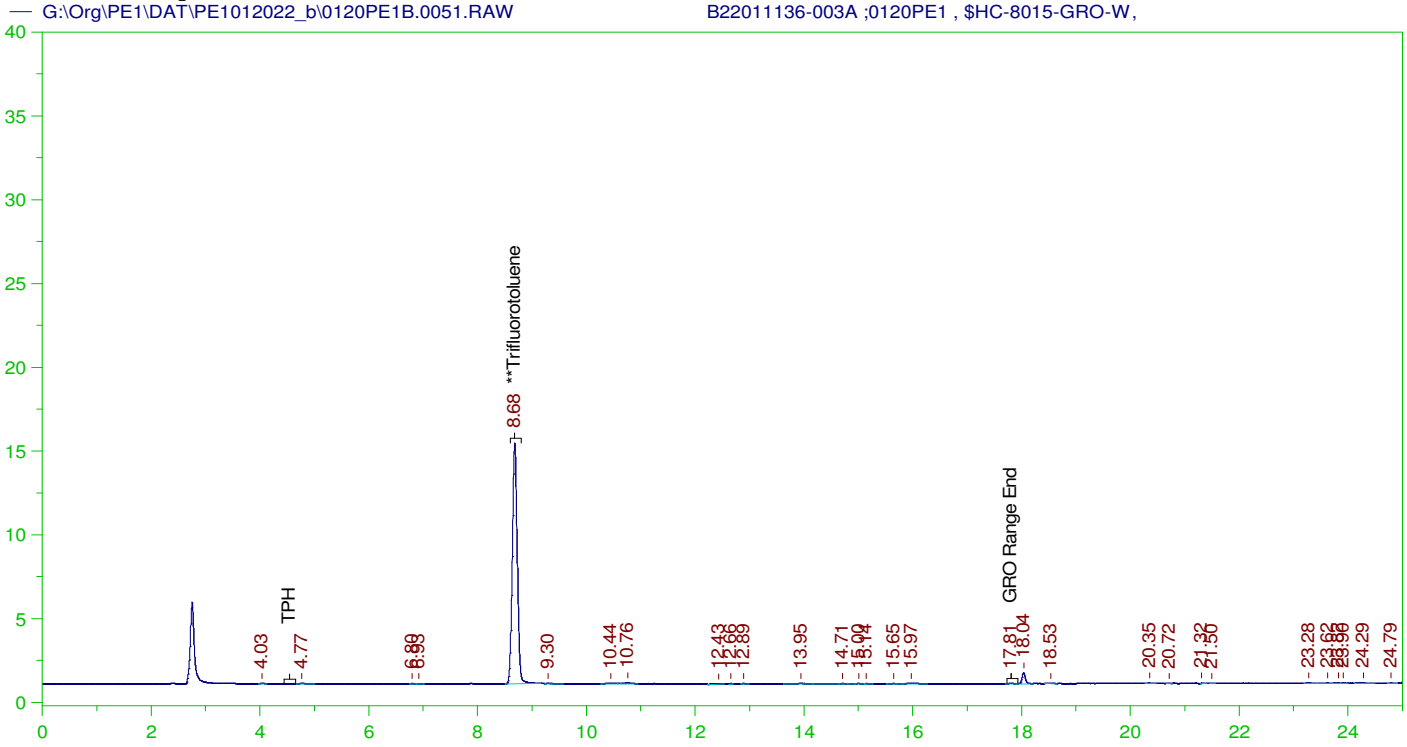
Mean RF for C6 to C10: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.683	25.	19.559	78.24	-

C6 to C10 Area:3507.74 C6 to C10 Amount: 0.7416195
TPH Area:7912.024 TPH Amount: 1.74007

ERH2432 (Trip Blank) 14733

G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0051.RAW B22011136-003A ;0120PE1 , $HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22011136-003A ;0120PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0051.RAW
Date & Time Acquired: 1/21/2022 1:08:34 PM
Method File: G:\Org\PE1\Methods\211208G1136-3DoDB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

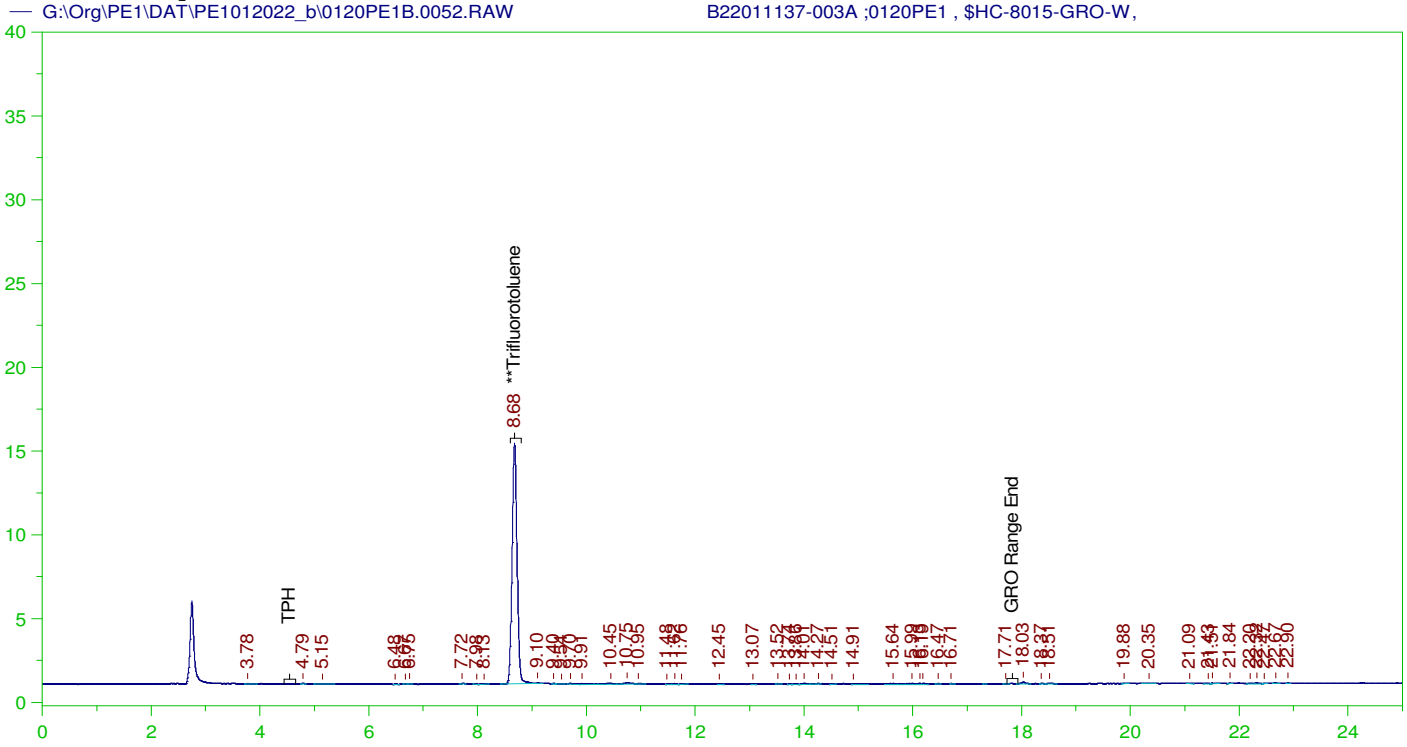
Mean RF for C6 to C10: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.685	25.	19.453	77.81	-

C6 to C10 Area:3804.258 C6 to C10 Amount: 0.8043103
TPH Area:8778.078 TPH Amount: 1.930539

ERH2428 (Trip Blank) 14694

G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0052.RAW B22011137-003A ;0120PE1 , $HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22011137-003A ;0120PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0052.RAW
Date & Time Acquired: 1/21/2022 1:42:44 PM
Method File: G:\Org\PE1\Methods\211208G1137-3DoDB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

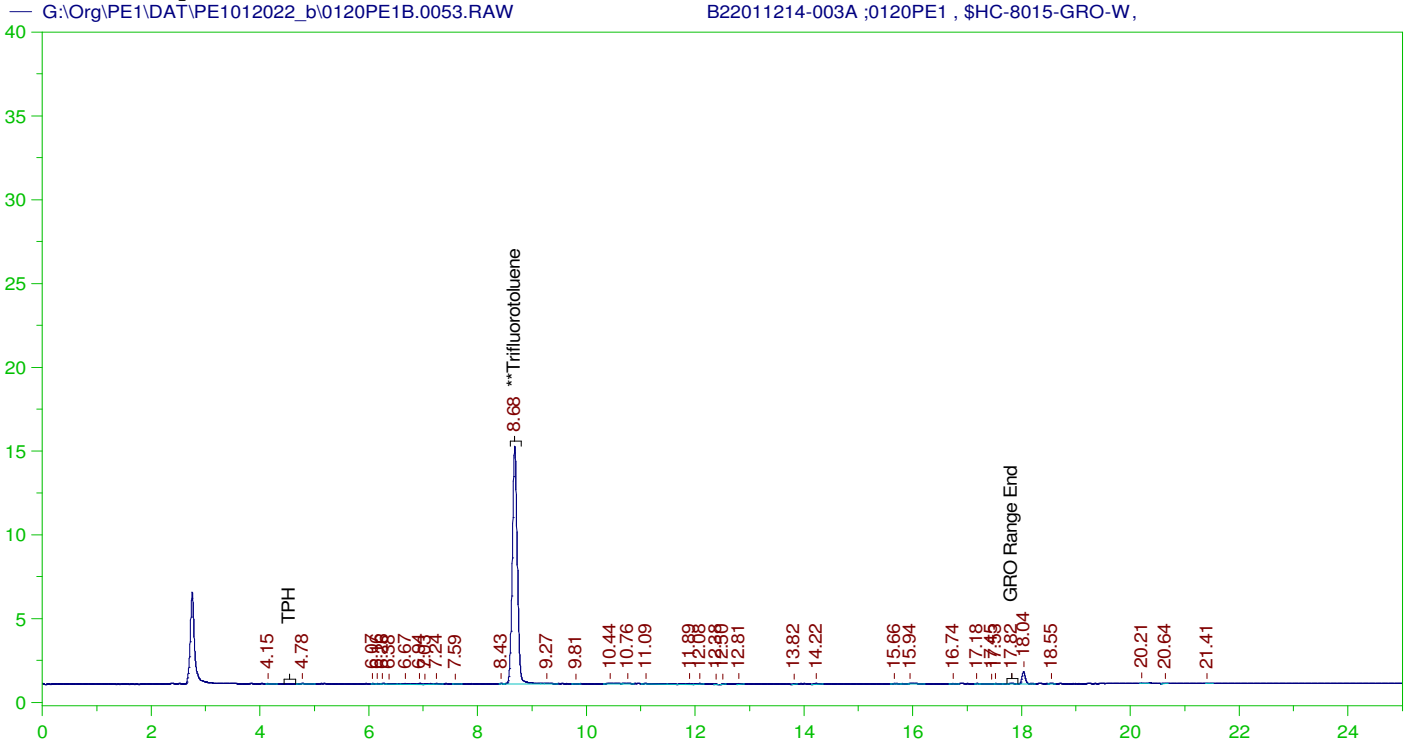
Mean RF for C6 to C10: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.681	25.	19.494	77.98	-

C6 to C10 Area:6984.174 C6 to C10 Amount: 1.47662
TPH Area:9595.661 TPH Amount: 2.110348

ERH2463 (Trip Blank) 14733

G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0053.RAW B22011214-003A ;0120PE1 , $HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22011214-003A ;0120PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0053.RAW
Date & Time Acquired: 1/21/2022 2:16:54 PM
Method File: G:\Org\PE1\Methods\211208G1214-3DoDB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

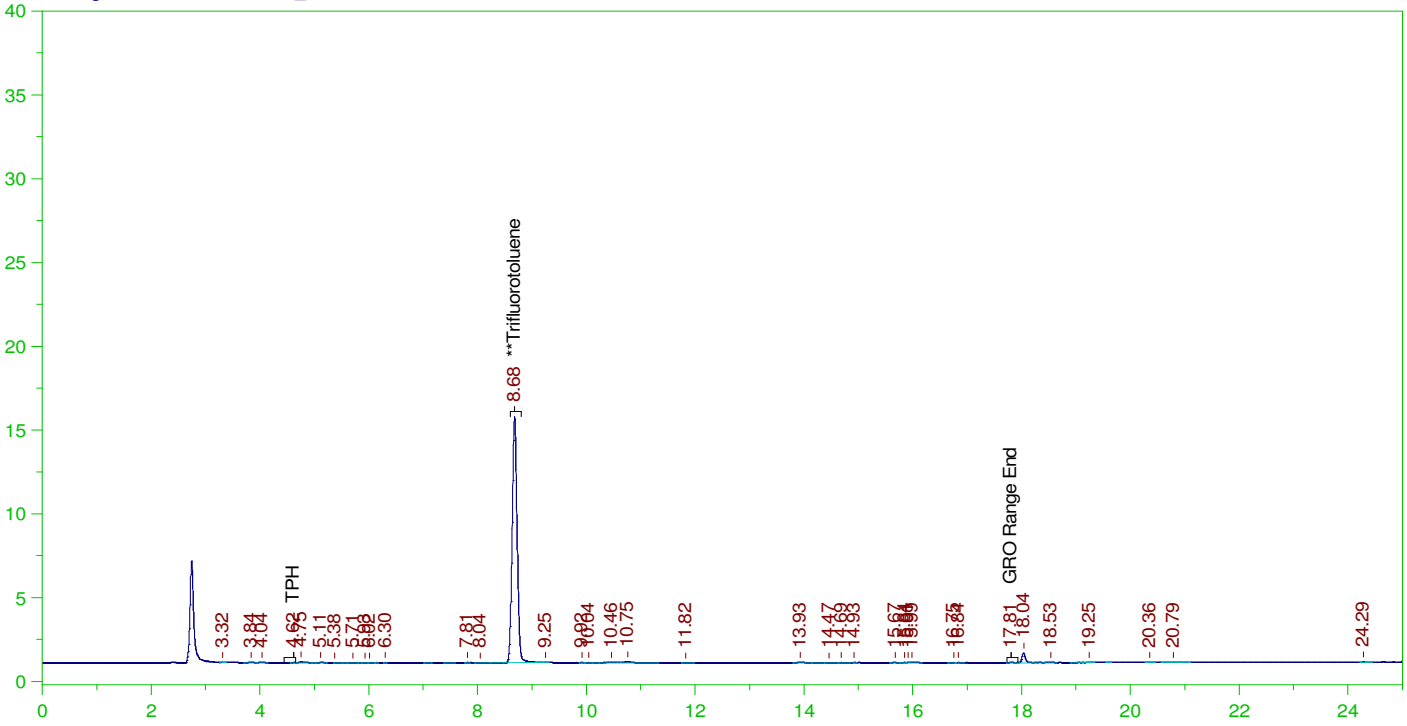
Mean RF for C6 to C10: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.684	25.	19.461	77.84	-

C6 to C10 Area:5351.524 C6 to C10 Amount: 1.131439
TPH Area:9236.79 TPH Amount: 2.031422

ERH2467 (Trip Blank) 14733

G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0054.RAW B22011227-003A ;0120PE1 , $HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22011227-003A ;0120PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0054.RAW
Date & Time Acquired: 1/21/2022 2:51:05 PM
Method File: G:\Org\PE1\Methods\211208G1227-3DoDB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

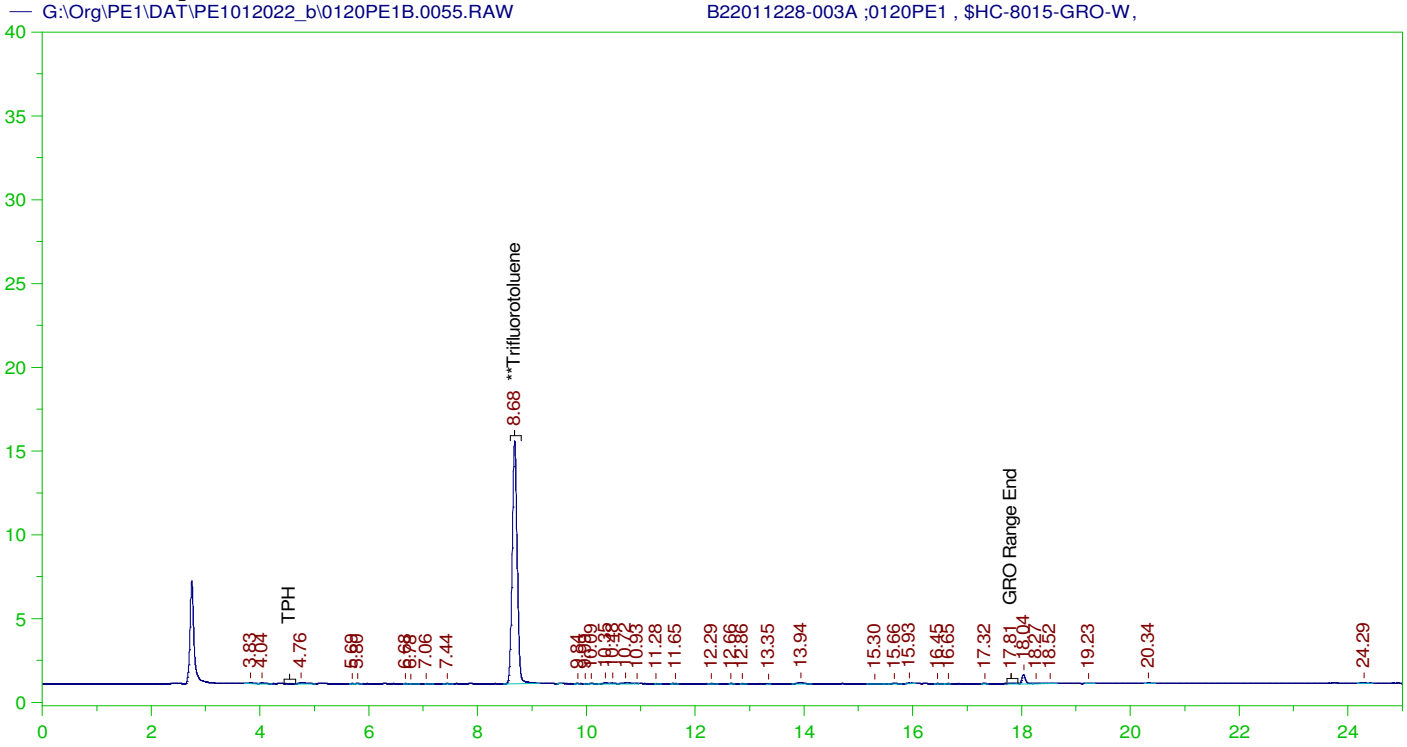
Mean RF for C6 to C10: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.682	25.	19.943	79.77	-

C6 to C10 Area:5416.152 C6 to C10 Amount: 1.145103
TPH Area:8922.154 TPH Amount: 1.962225

ERH2423 (Trip Blank) 14733

G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0055.RAW B22011228-003A ;0120PE1 , $HC-8015-GRO-W,



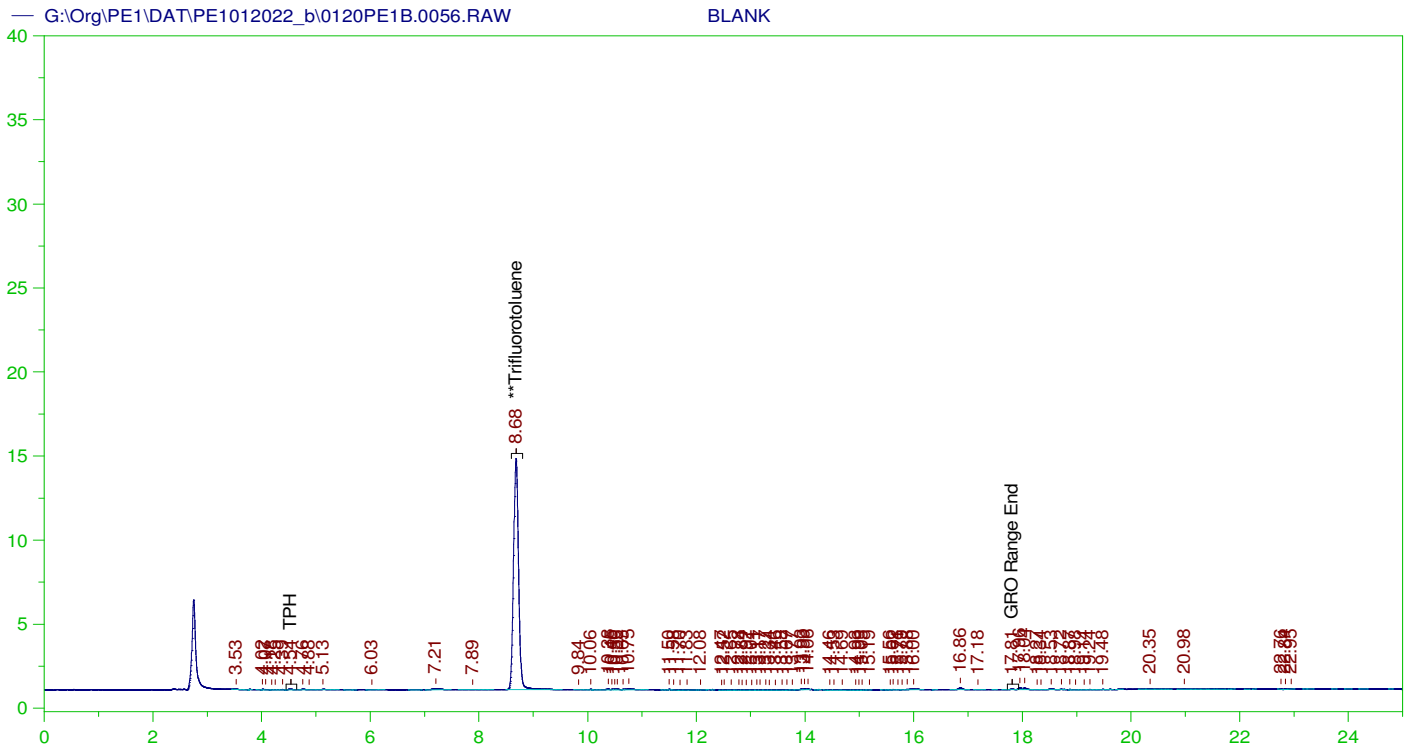
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22011228-003A ;0120PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0055.RAW
Date & Time Acquired: 1/21/2022 3:25:16 PM
Method File: G:\Org\PE1\Methods\211208G1228-3DoDB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 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.	19.649	78.59	-

C6 to C10 Area:5655.1 C6 to C10 Amount: 1.195622
TPH Area:9125.988 TPH Amount: 2.007054



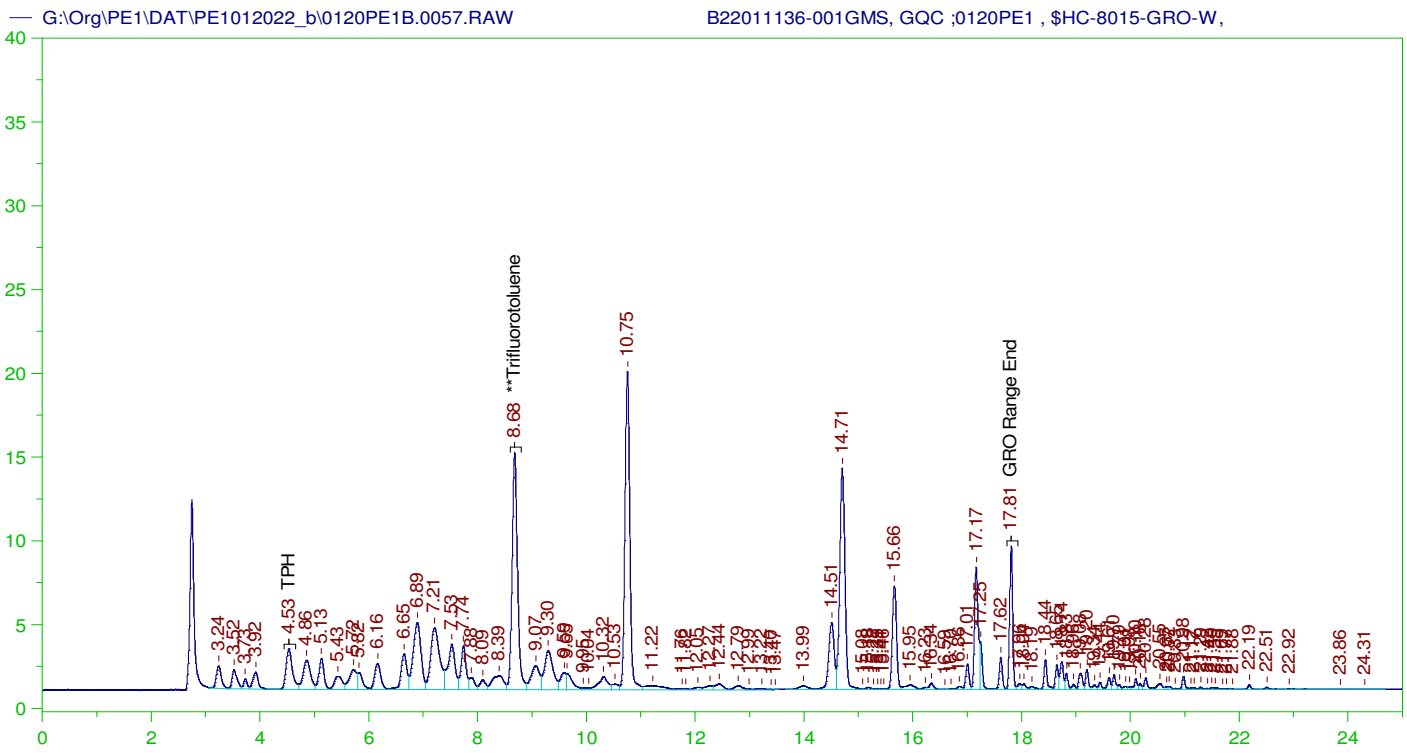
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0056.RAW
Date & Time Acquired: 1/21/2022 3:59:27 PM
Method File: G:\Org\PE1\Methods\211208GRO_DoDB.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 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.	93.491	74.79	-

C6 to C10 Area:8386.362 C6 to C10 Amount: 8.865378
TPH Area:11652.34 TPH Amount: 12.81334



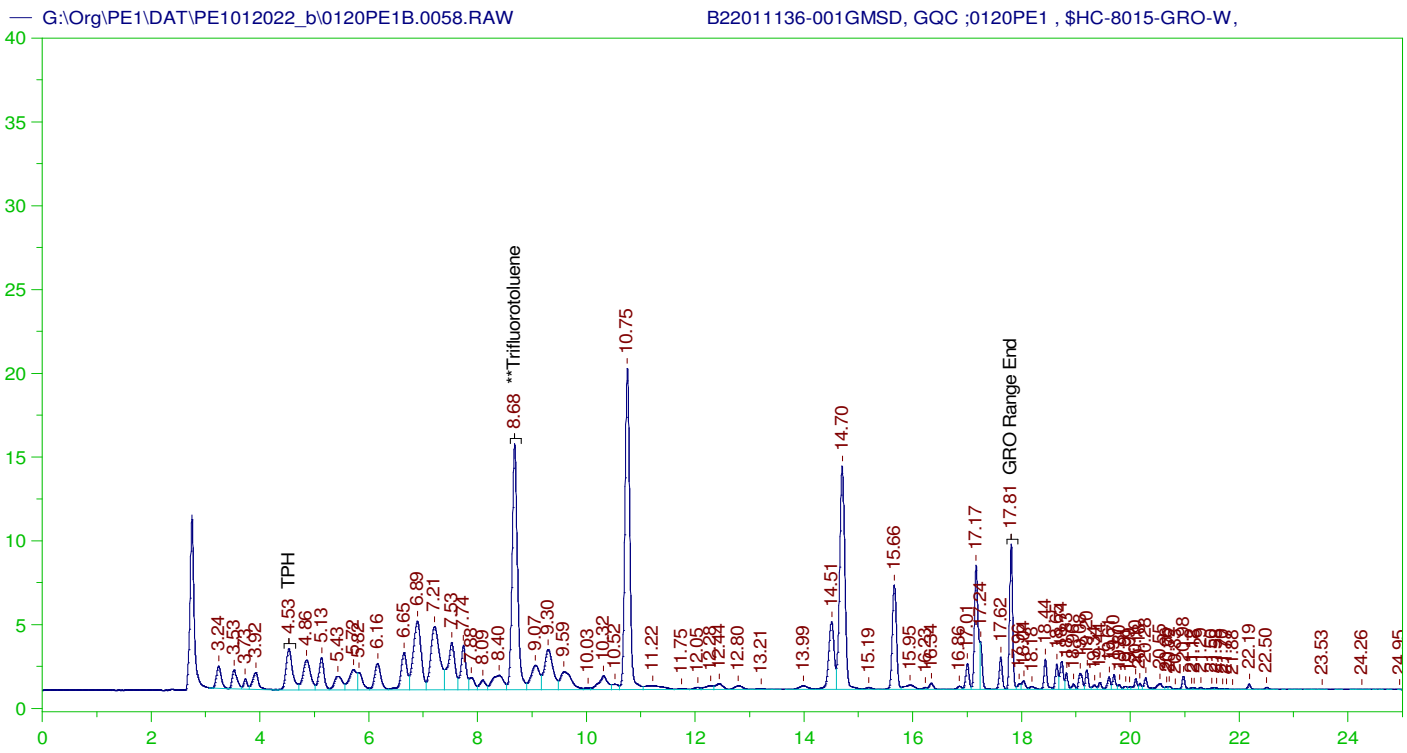
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22011136-001GMS, GQC ;0120PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0057.RAW
Date & Time Acquired: 1/21/2022 4:33:45 PM
Method File: G:\Org\PE1\Methods\211208G1136-1MSDoDB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 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.	20.806	83.22	-

C6 to C10 Area:718166.5 C6 to C10 Amount: 151.8374
TPH Area:816478.7 TPH Amount: 179.5659



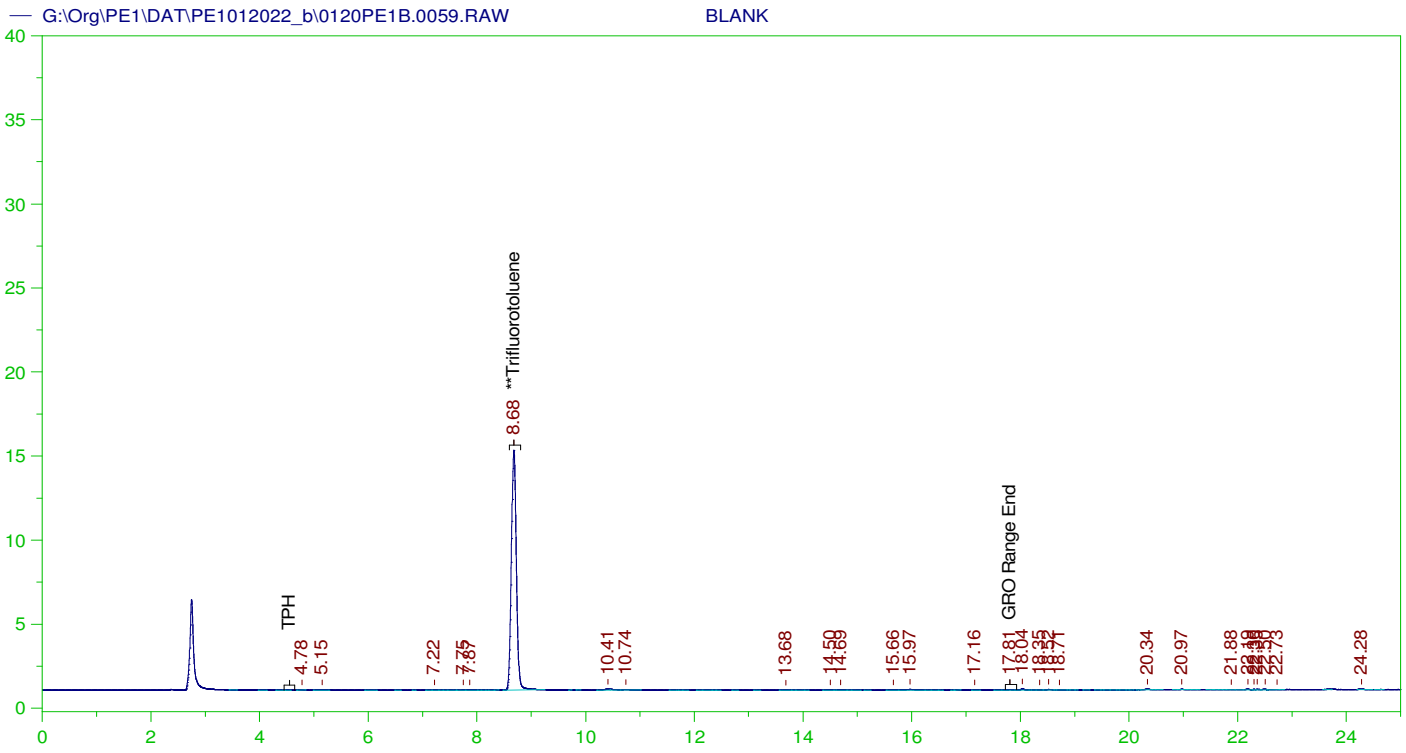
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22011136-001GMSD, GQC ;0120PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0058.RAW
Date & Time Acquired: 1/21/2022 5:08:05 PM
Method File: G:\Org\PE1\Methods\211208G1136-1MSDDoDB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 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	8.682	25.	21.526	86.1	-

C6 to C10 Area:727589.2 C6 to C10 Amount: 153.8296
TPH Area:824861.1 TPH Amount: 181.4095



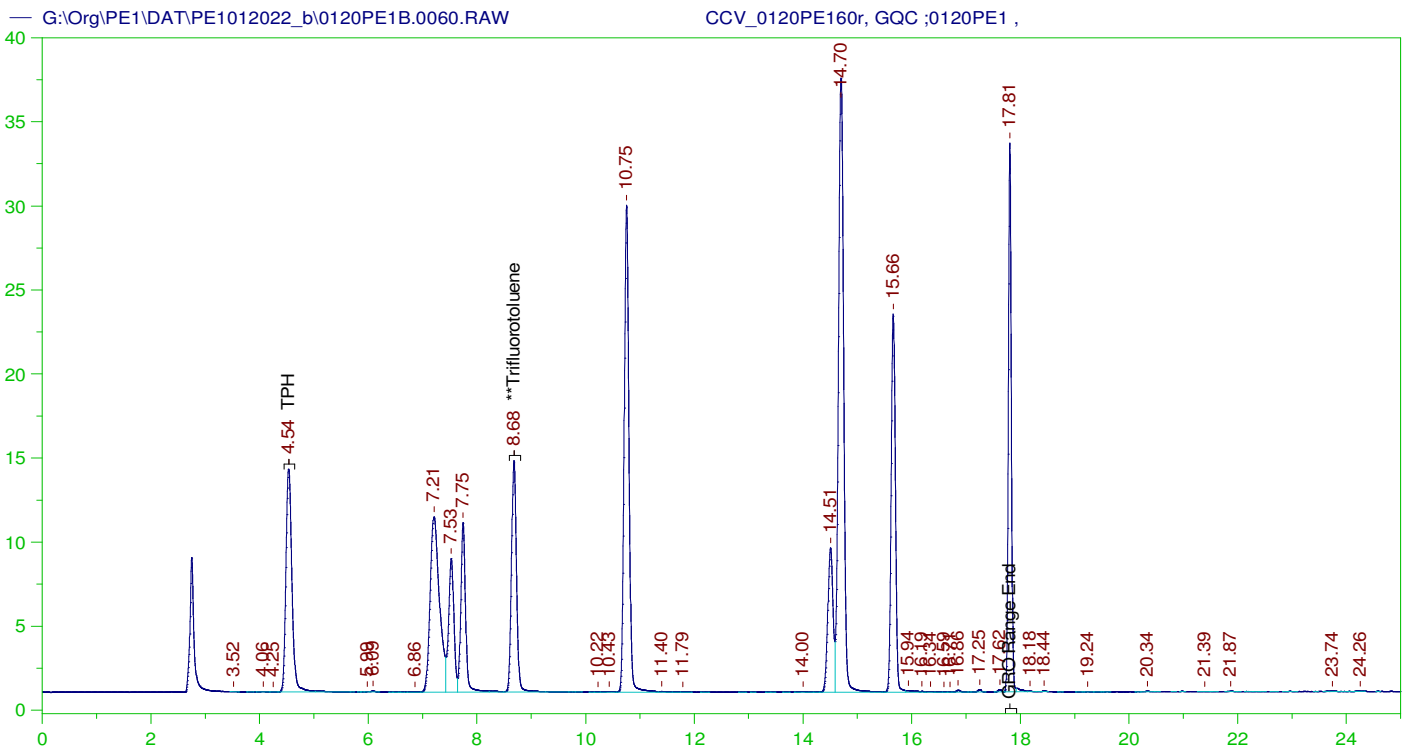
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0059.RAW
Date & Time Acquired: 1/21/2022 5:42:30 PM
Method File: G:\Org\PE1\Methods\211208GRO_DoDB.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 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	8.679	125.	96.77	77.42	-

C6 to C10 Area:3255.979 C6 to C10 Amount: 3.441956
TPH Area:5843.128 TPH Amount: 6.425316



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_0120PE160r, GQC ;0120PE1 ,
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0060.RAW
Date & Time Acquired: 1/21/2022 6:16:56 PM
Method File: G:\Org\PE1\Methods\211208GRO_DoDB.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 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	8.681	125.	94.268	75.41	-

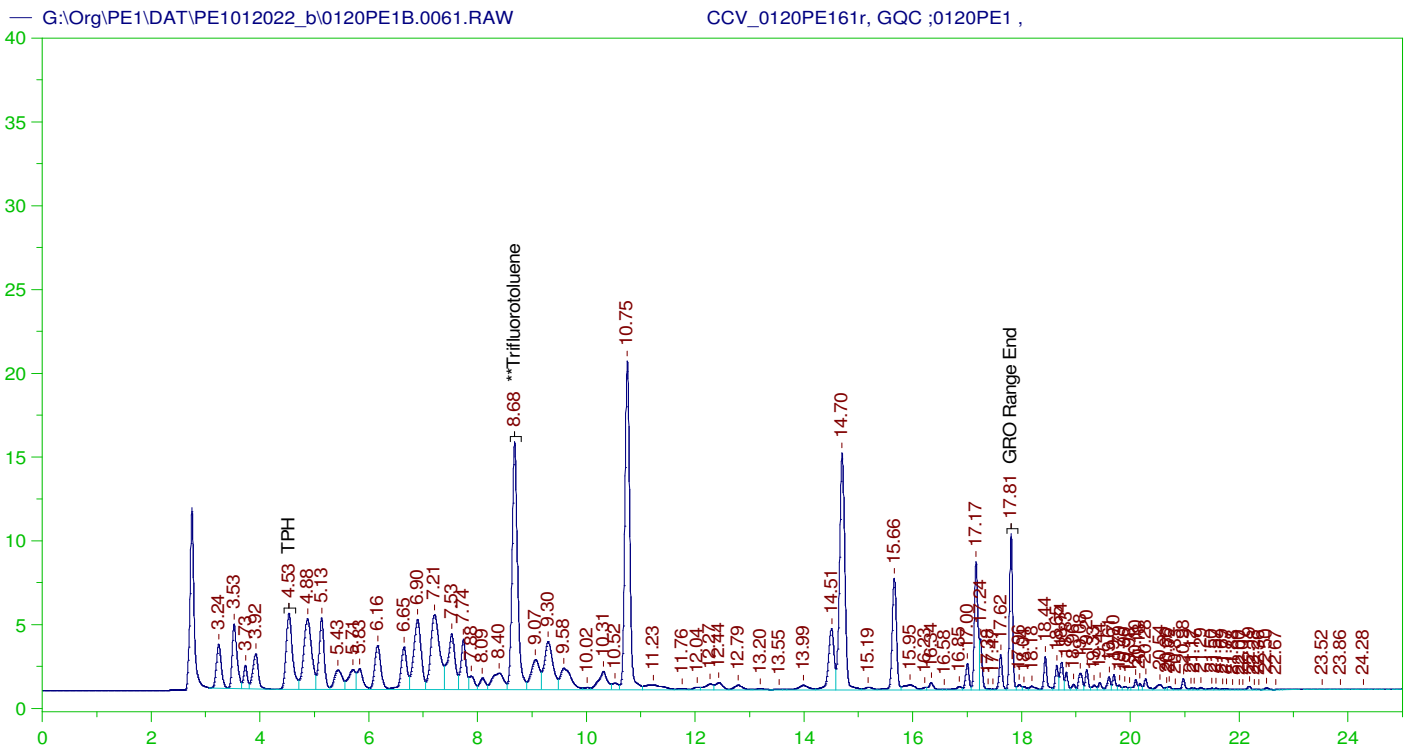
C6 to C10 Area:1076000 C6 to C10 Amount: 1137.46
TPH Area:1077721 TPH Amount: 1185.102

CONTINUING CALIBRATION REPORT: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0060.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
C6 to C10	840.	1137.46	135.41	85-115
TPH	1000.	1185.1	118.51	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	8.681	125.	94.268	75.41	85-115

G:\org\PE1\dat\PE1012022_b\Review\060_CCV_0120PE160r_211208GRO_DoDB.xls



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_0120PE161r, GQC ;0120PE1 ,
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0061.RAW
Date & Time Acquired: 1/21/2022 6:51:28 PM
Method File: G:\Org\PE1\Methods\211208GCCV0120_61DoDB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

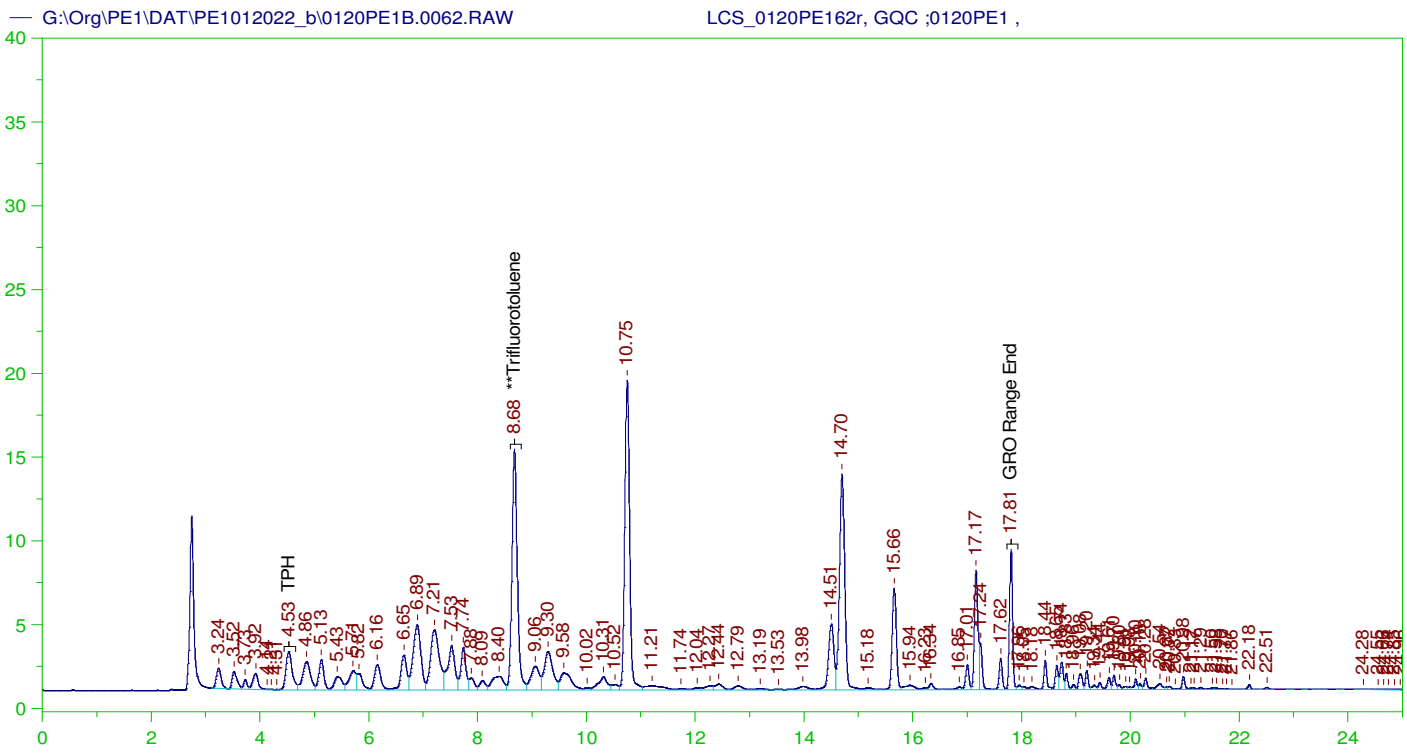
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.682	125.	111.236	88.99	-

C6 to C10 Area:853812.5 C6 to C10 Amount: 902.5809
TPH Area:989103.9 TPH Amount: 1087.655

CONTINUING CALIBRATION REPORT: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0061.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
C6 to C10	840.	902.58	107.45	85-115
TPH	1000.	1087.66	108.77	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	8.682	125.	111.236	88.99	85-115



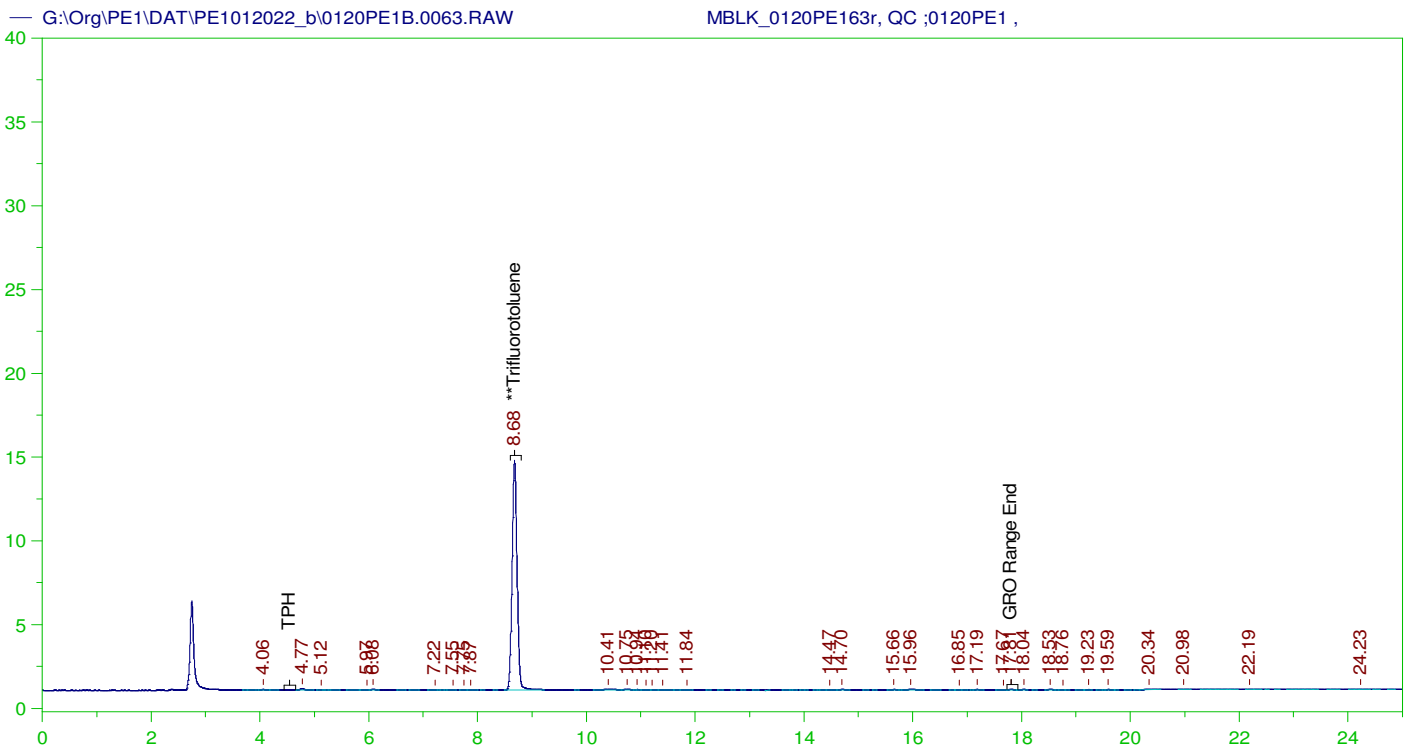
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: LCS_0120PE162r, GQC ;0120PE1 ,
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0062.RAW
Date & Time Acquired: 1/21/2022 7:25:44 PM
Method File: G:\Org\PE1\Methods\211208GLCS0120_62DoDB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 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	8.679	25.	20.947	83.79	-

C6 to C10 Area:694789.5 C6 to C10 Amount: 146.895
TPH Area:787105.9 TPH Amount: 173.1061



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: MBLK_0120PE163r, QC ;0120PE1 ,
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0063.RAW
Date & Time Acquired: 1/21/2022 8:00:03 PM
Method File: G:\Org\PE1\Methods\211208GRO_DoDB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

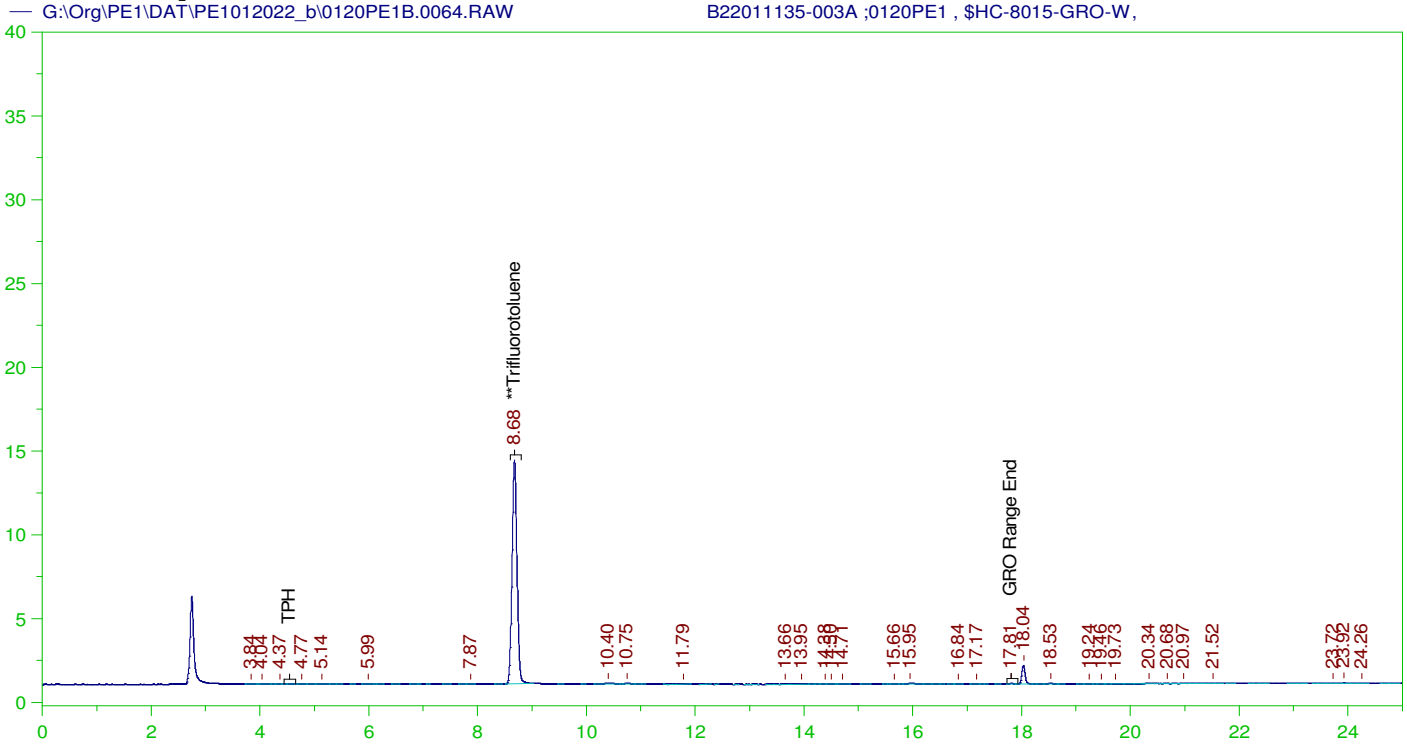
Mean RF for C6 to C10: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.681	25.	18.542	74.17	-

C6 to C10 Area:5201.29 C6 to C10 Amount: 1.099676
TPH Area:6772.119 TPH Amount: 1.489374

ERH2430 (Trip Blank) 14733

G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0064.RAW B22011135-003A ;0120PE1 , $HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22011135-003A ;0120PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0064.RAW
Date & Time Acquired: 1/21/2022 8:34:19 PM
Method File: G:\Org\PE1\Methods\211208GRO_DoDB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

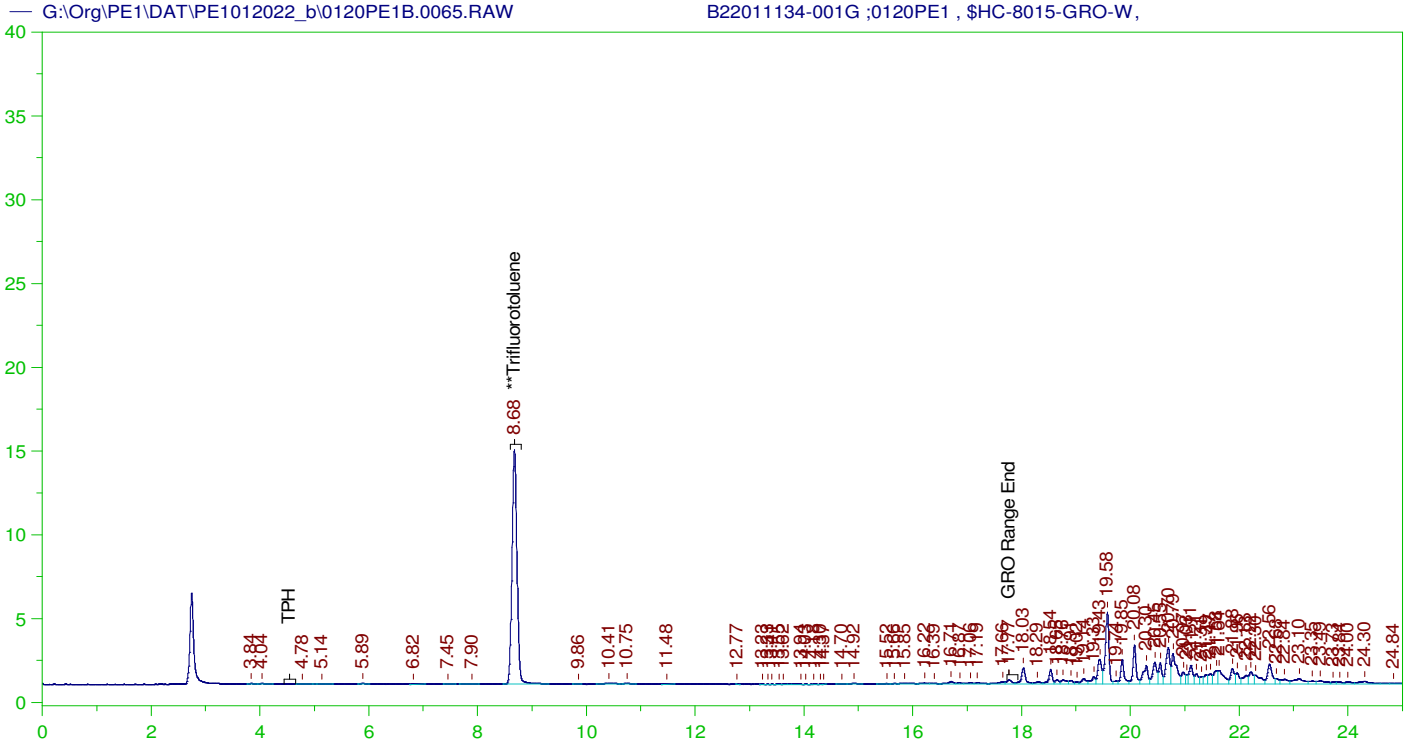
Mean RF for C6 to C10: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.68	25.	18.006	72.02	-

C6 to C10 Area:4001.179 C6 to C10 Amount: 0.8459441
TPH Area:10578.66 TPH Amount: 2.326536

ERH2426 (RHMW01R)

G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0065.RAW B22011134-001G ;0120PE1 , $HC-8015-GRO-W,



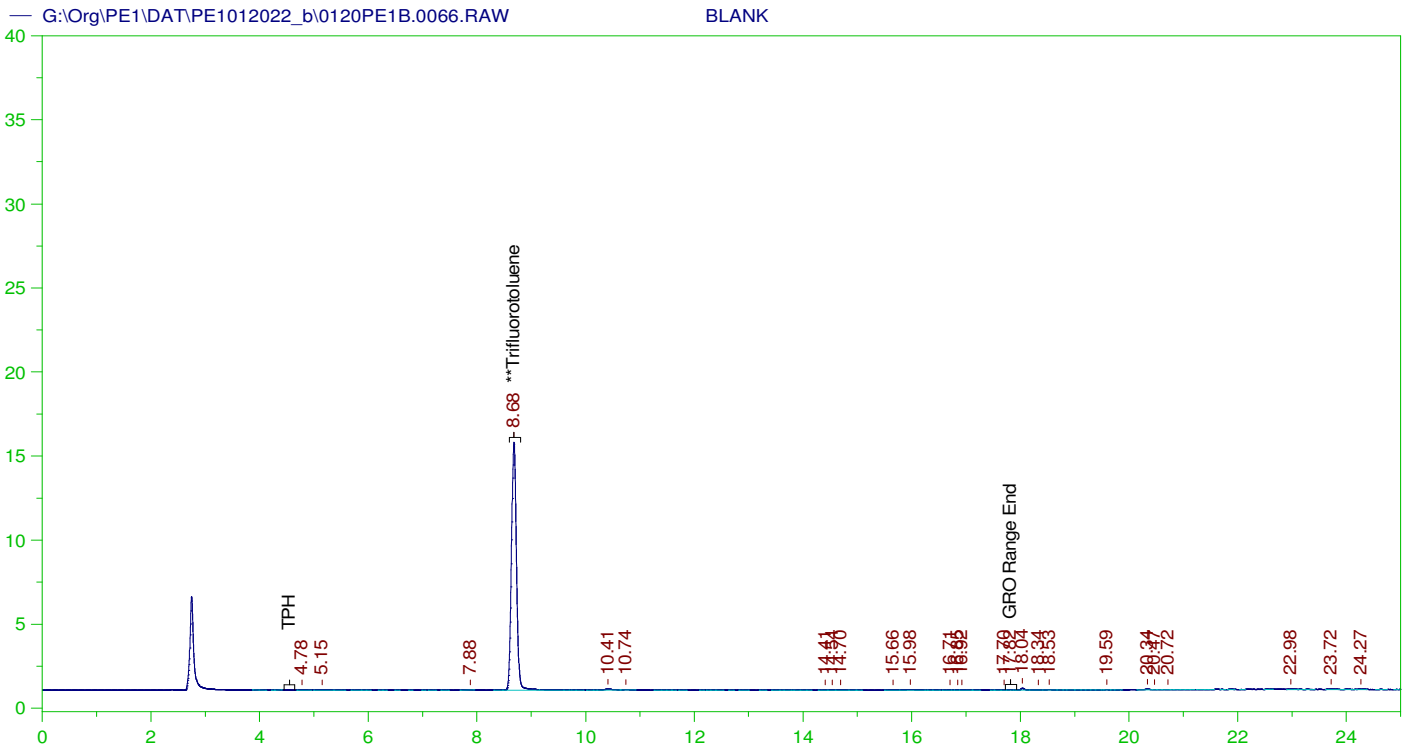
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22011134-001G ;0120PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0065.RAW
Date & Time Acquired: 1/21/2022 9:08:38 PM
Method File: G:\Org\PE1\Methods\211208G1134-1DoDB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 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	8.679	25.	19.032	76.13	-

C6 to C10 Area:11756.56 C6 to C10 Amount: 2.485615
TPH Area:192743.7 TPH Amount: 42.3896



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0066.RAW
Date & Time Acquired: 1/21/2022 9:42:54 PM
Method File: G:\Org\PE1\Methods\211208GRO_DoDB.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

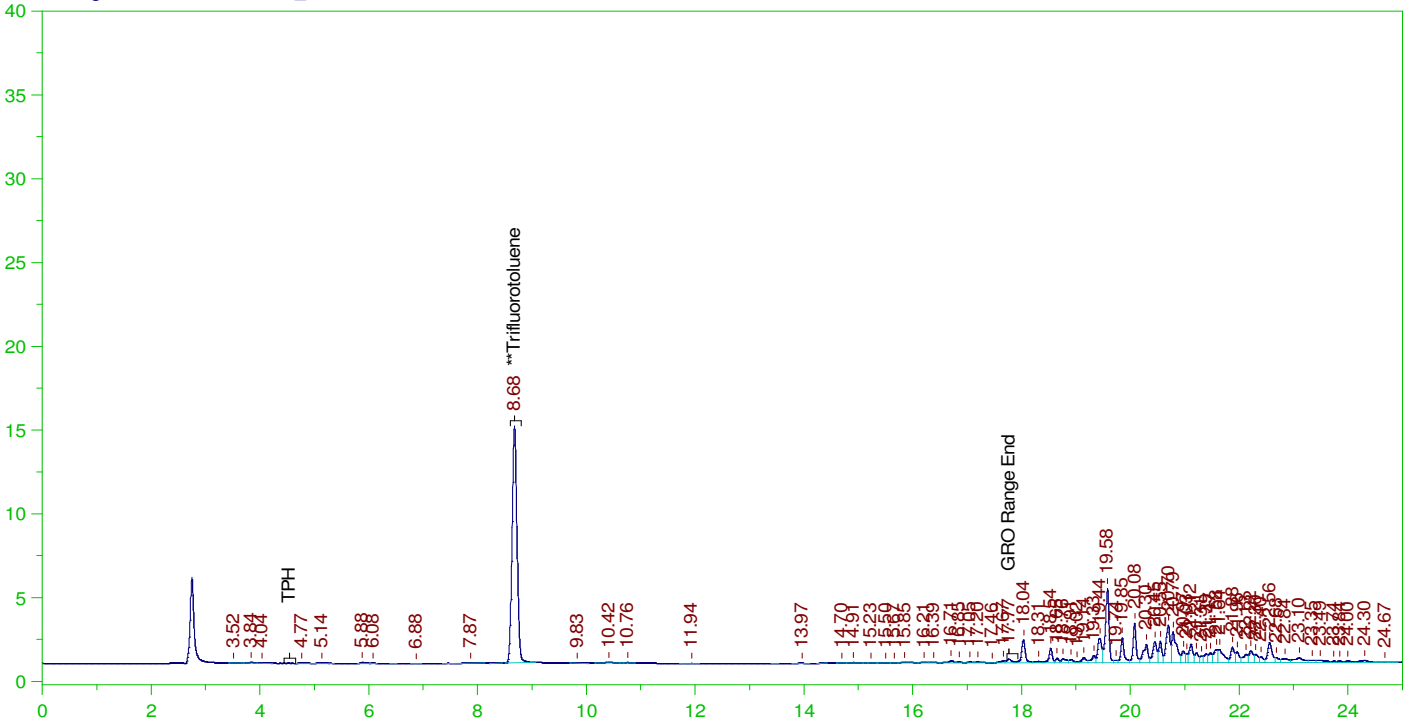
Mean RF for C6 to C10: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.681	125.	100.188	80.15	-

C6 to C10 Area:3512.797 C6 to C10 Amount: 3.713442
TPH Area:5722.362 TPH Amount: 6.292518

ERH2427 (RHMW01R)

G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0067.RAW B22011134-002D ;0120PE1 , $HC-8015-GRO-W,



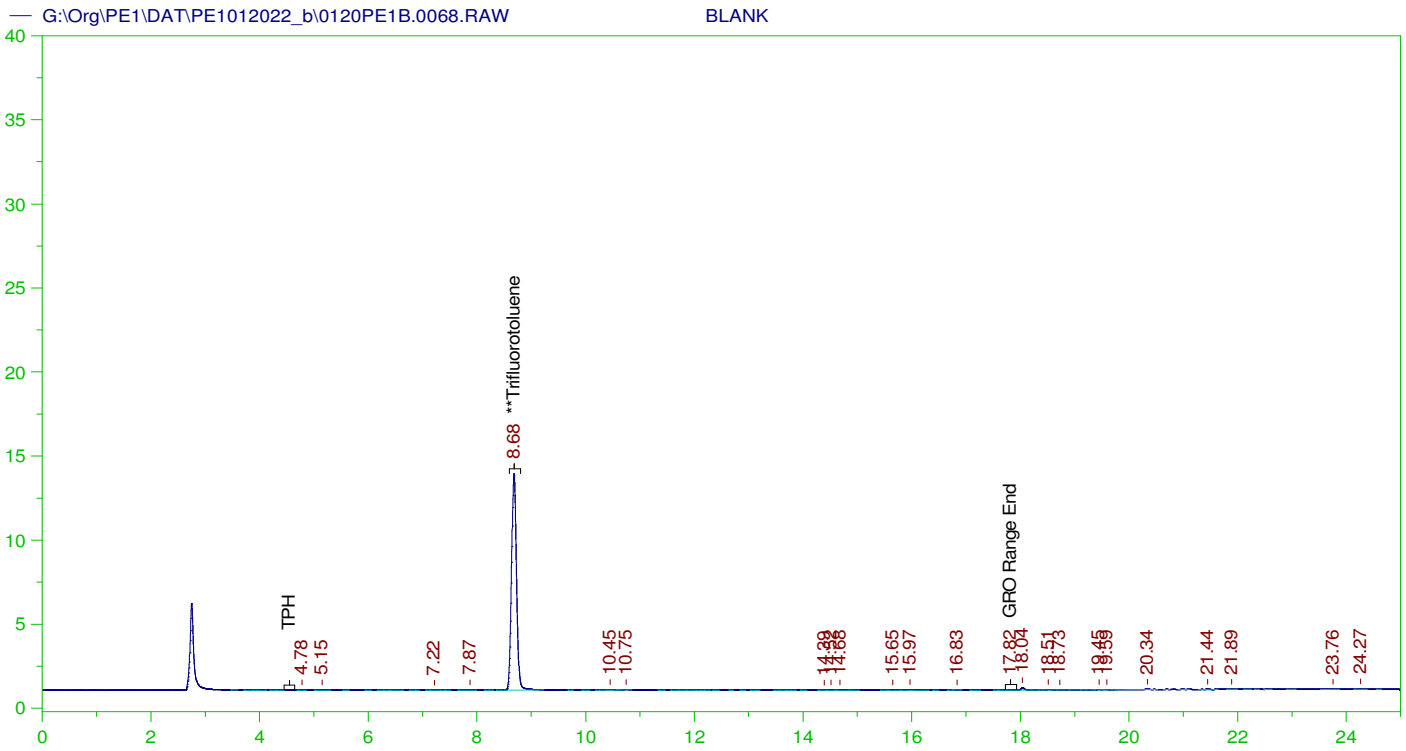
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22011134-002D ;0120PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0067.RAW
Date & Time Acquired: 1/21/2022 10:17:13 PM
Method File: G:\Org\PE1\Methods\211208G1134-2DoDB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 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	8.68	25.	19.096	76.38	-

C6 to C10 Area:10055.91 C6 to C10 Amount: 2.126058
TPH Area:188211.2 TPH Amount: 41.39277



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0068.RAW
Date & Time Acquired: 1/21/2022 10:51:34 PM
Method File: G:\Org\PE1\Methods\211208GRO_DoDB.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

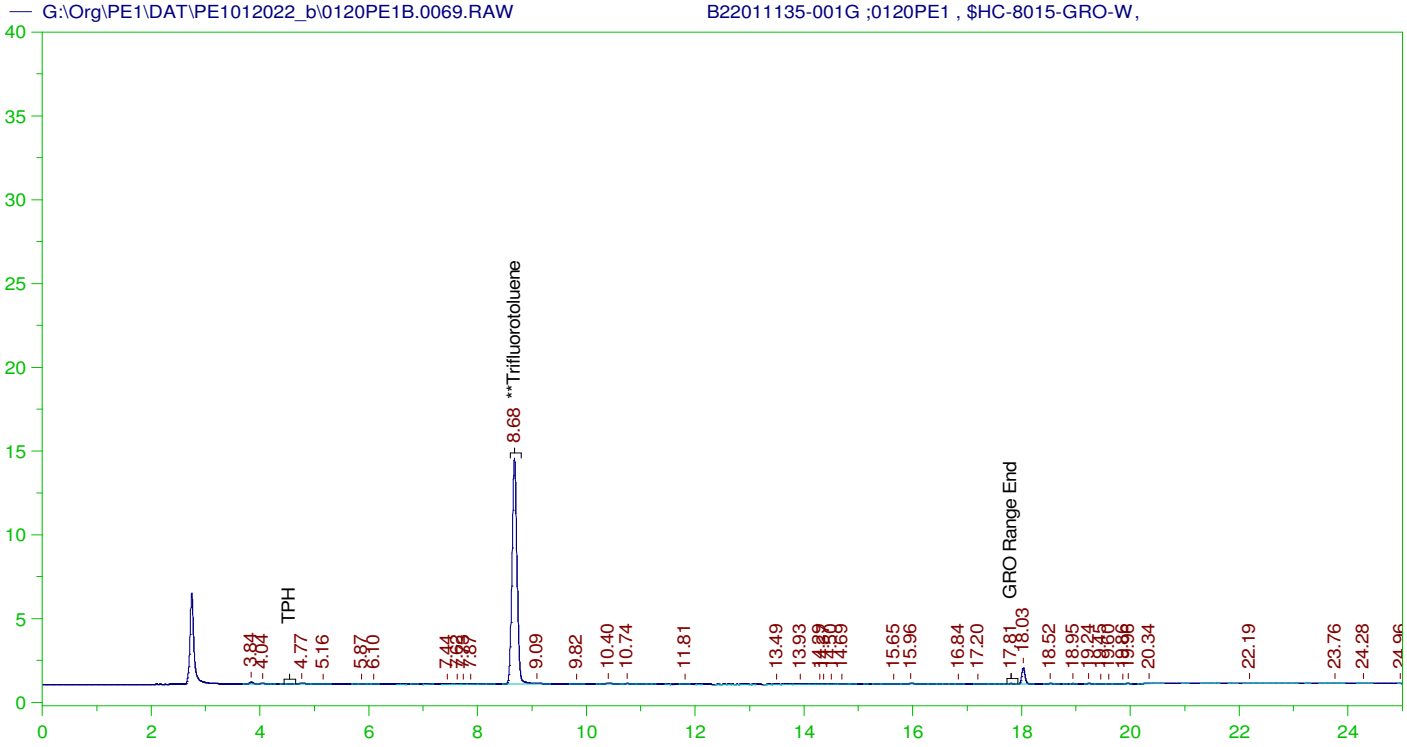
Mean RF for C6 to C10: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.682	125.	87.26	69.81	-

C6 to C10 Area:2852.39 C6 to C10 Amount: 3.015314
TPH Area:5340.645 TPH Amount: 5.872767

ERH2431 (RHMW03)

G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0069.RAW B22011135-001G ;0120PE1 , $HC-8015-GRO-W,



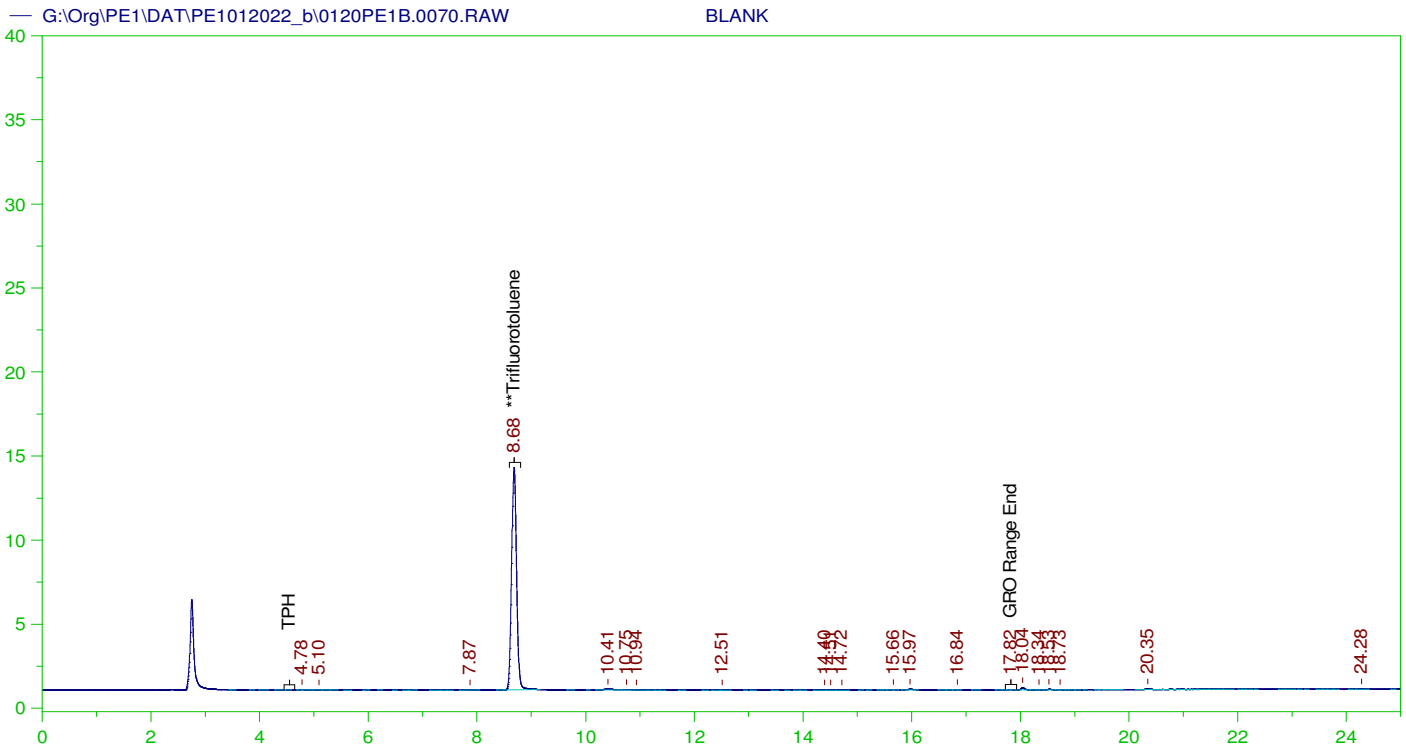
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22011135-001G ;0120PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0069.RAW
Date & Time Acquired: 1/21/2022 11:25:57 PM
Method File: G:\Org\PE1\Methods\211208GRO_DoDB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 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	8.679	25.	18.281	73.12	-

C6 to C10 Area:5064.617 C6 to C10 Amount: 1.07078
TPH Area:11748.3 TPH Amount: 2.583772



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0070.RAW
Date & Time Acquired: 1/22/2022 12:00:19 AM
Method File: G:\Org\PE1\Methods\211208GRO_DoDB.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

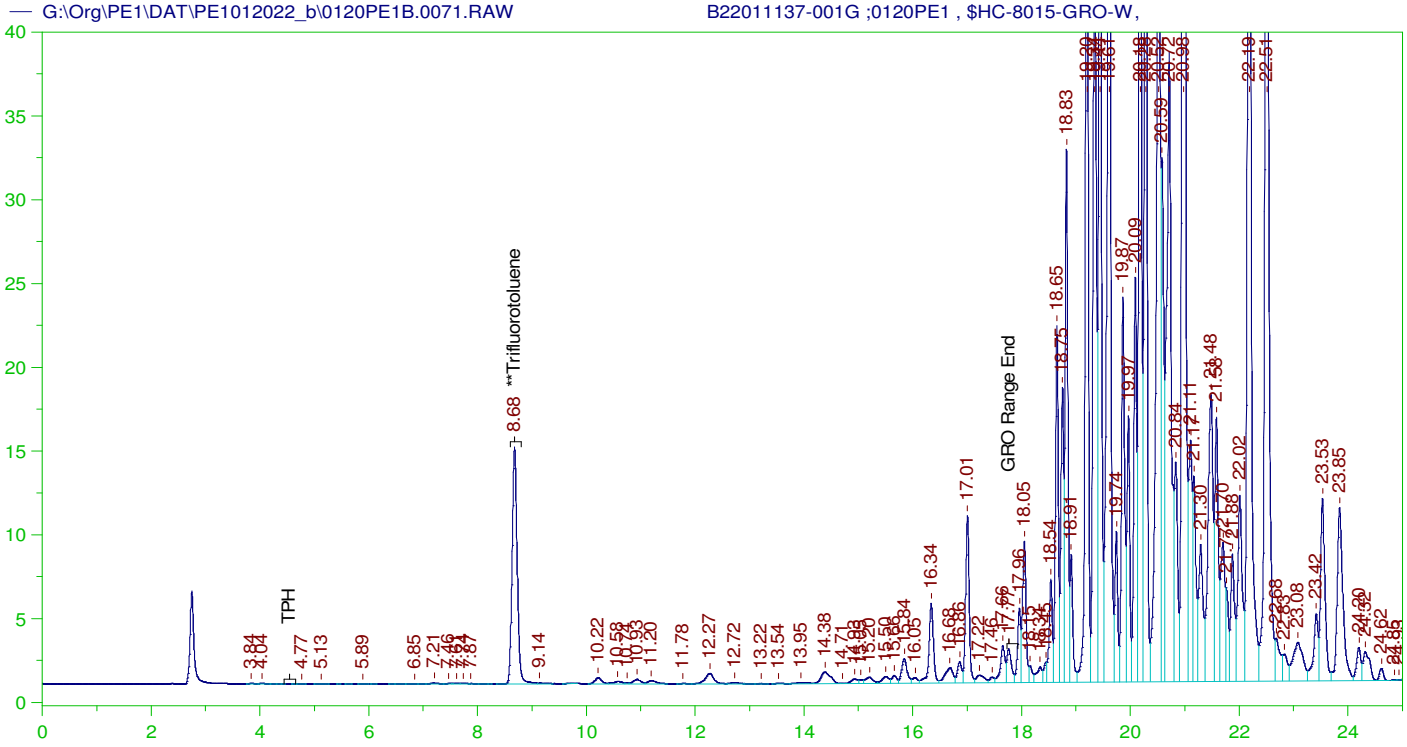
Mean RF for C6 to C10: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.683	125.	89.429	71.54	-

C6 to C10 Area:3275.514 C6 to C10 Amount: 3.462606
TPH Area:5372.339 TPH Amount: 5.907619

ERH2429 (RHMW02)

G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0071.RAW B22011137-001G ;0120PE1 , $HC-8015-GRO-W,



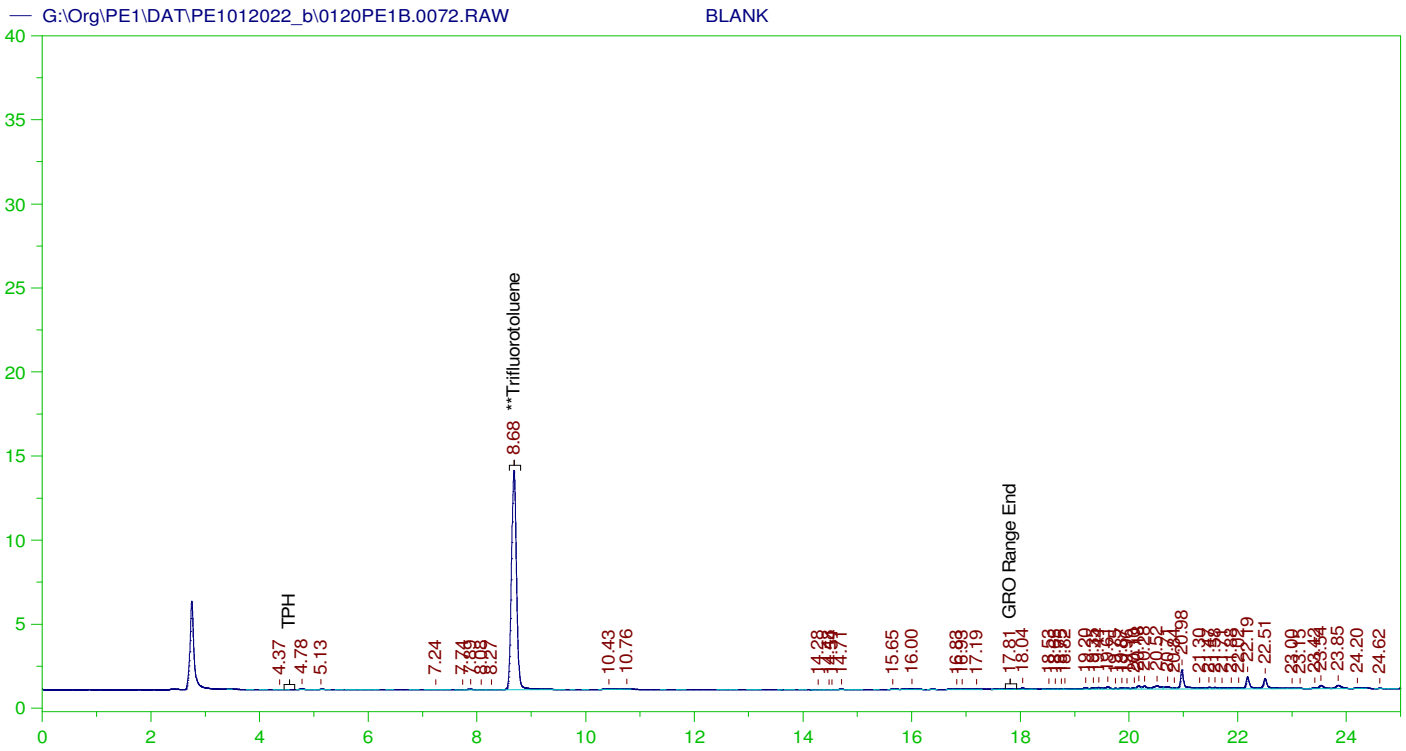
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22011137-001G ;0120PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0071.RAW
Date & Time Acquired: 1/22/2022 12:34:42 AM
Method File: G:\Org\PE1\Methods\211208G1137-1DoDB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 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	8.681	25.	19.709	78.84	-

C6 to C10 Area:179345.6 C6 to C10 Amount: 37.91792
TPH Area:5157643 TPH Amount: 1134.306



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0072.RAW
Date & Time Acquired: 1/22/2022 1:08:57 AM
Method File: G:\Org\PE1\Methods\211208GRO_DoDB.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

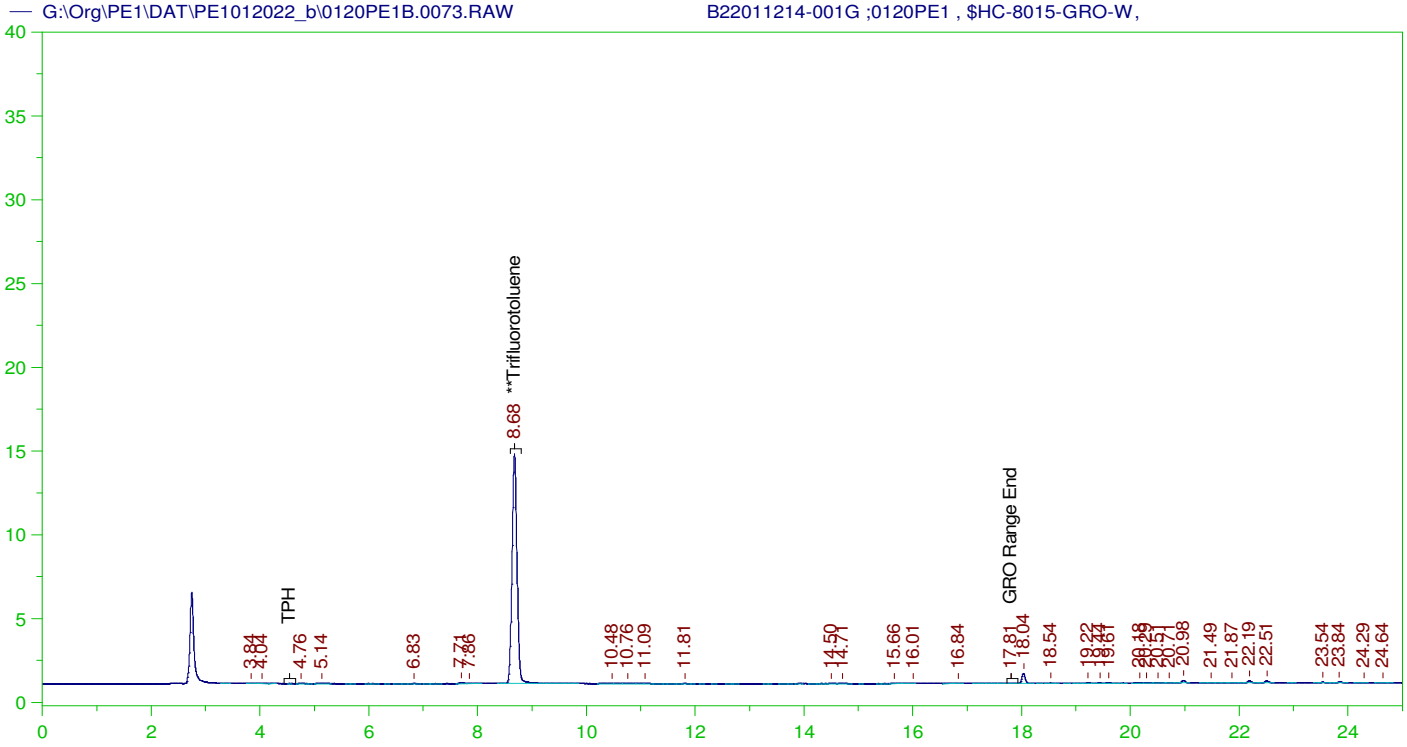
Mean RF for C6 to C10: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.681	125.	88.979	71.18	-

C6 to C10 Area:3051.354 C6 to C10 Amount: 3.225642
TPH Area:31753.23 TPH Amount: 34.91701

ERH2464 (RHMWW08)

G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0073.RAW B22011214-001G ;0120PE1 , $HC-8015-GRO-W,



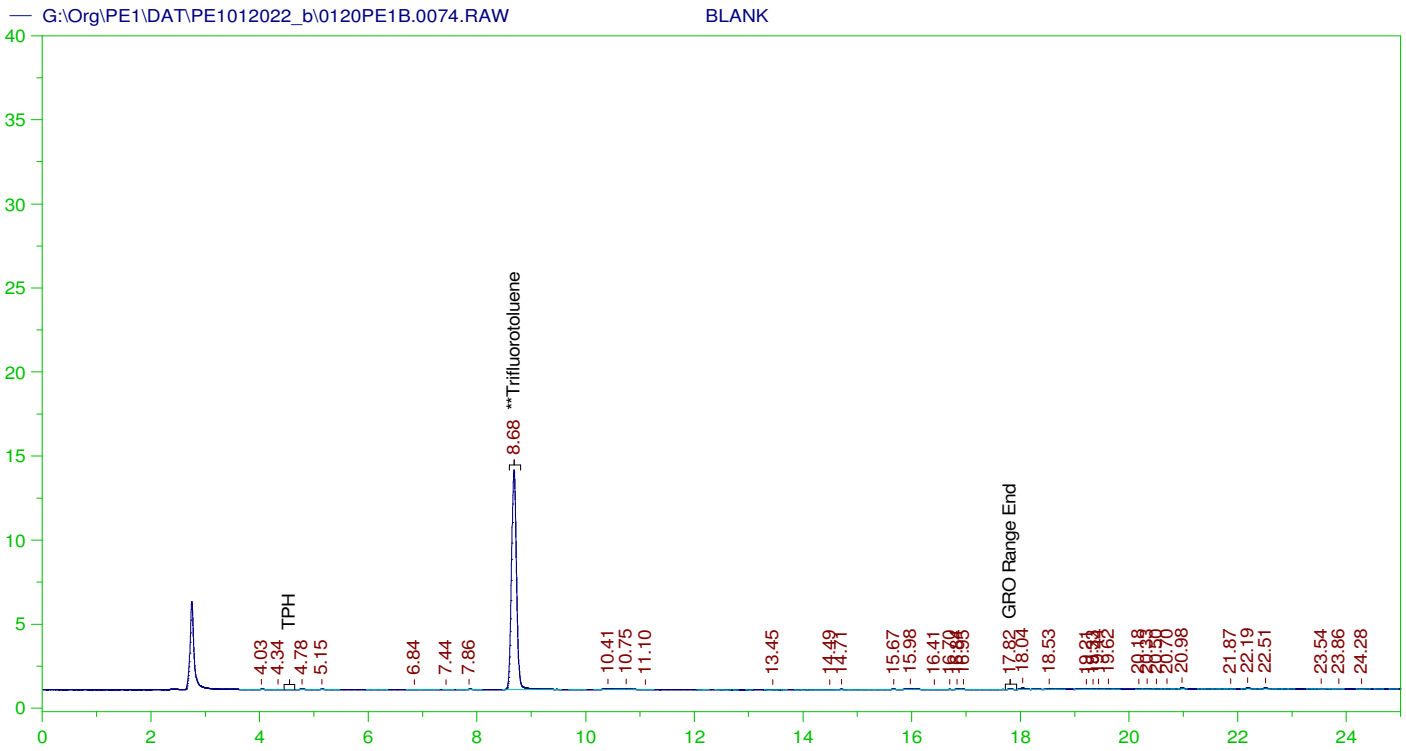
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22011214-001G ;0120PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0073.RAW
Date & Time Acquired: 1/22/2022 1:43:14 AM
Method File: G:\Org\PE1\Methods\211208GRO_DoDB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 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	8.68	25.	18.686	74.74	-

C6 to C10 Area:3148 C6 to C10 Amount: 0.6655618
TPH Area:10194.4 TPH Amount: 2.242026



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0074.RAW
Date & Time Acquired: 1/22/2022 2:17:30 AM
Method File: G:\Org\PE1\Methods\211208GRO_DoDB.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

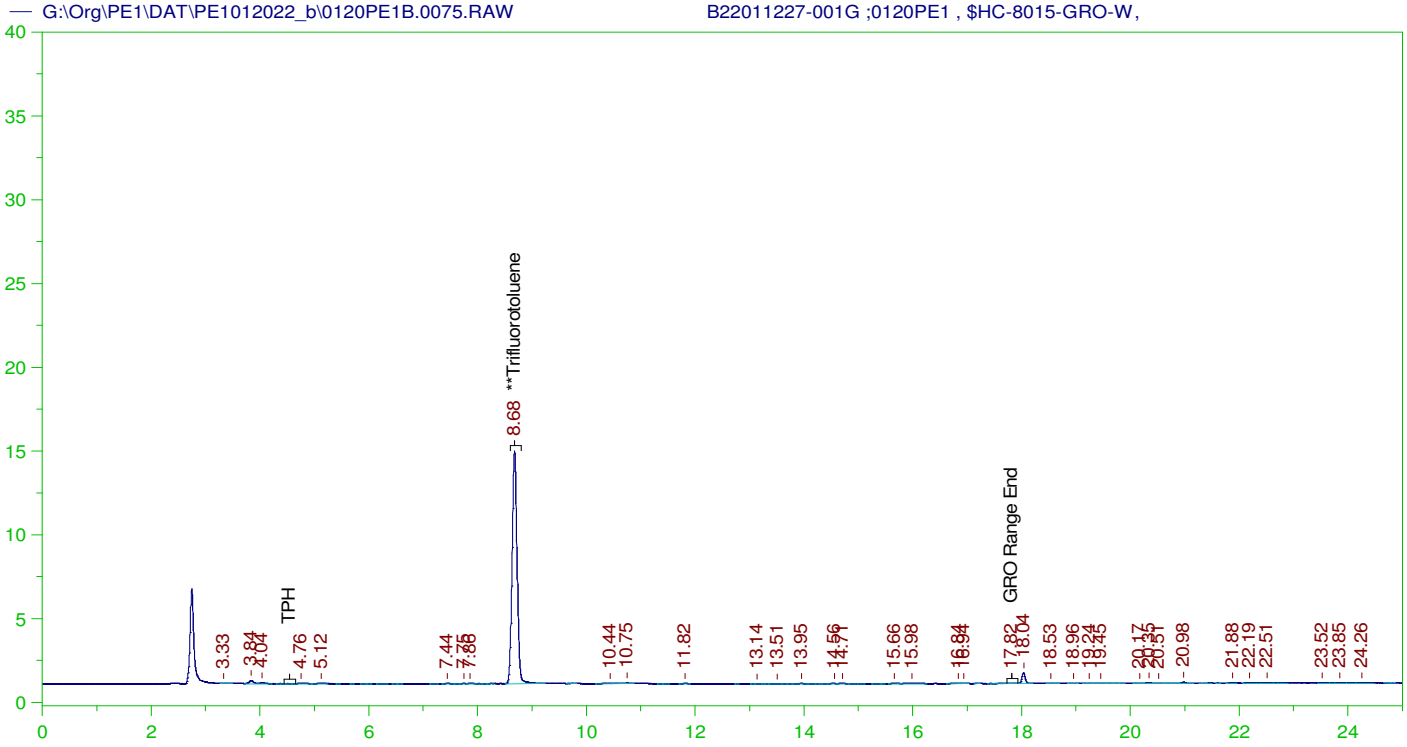
Mean RF for C6 to C10: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.682	125.	89.141	71.31	-

C6 to C10 Area:3873.749 C6 to C10 Amount: 4.095012
TPH Area:7024.901 TPH Amount: 7.724837

ERH2468 (RHMW06)

G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0075.RAW B22011227-001G ;0120PE1 , $HC-8015-GRO-W,



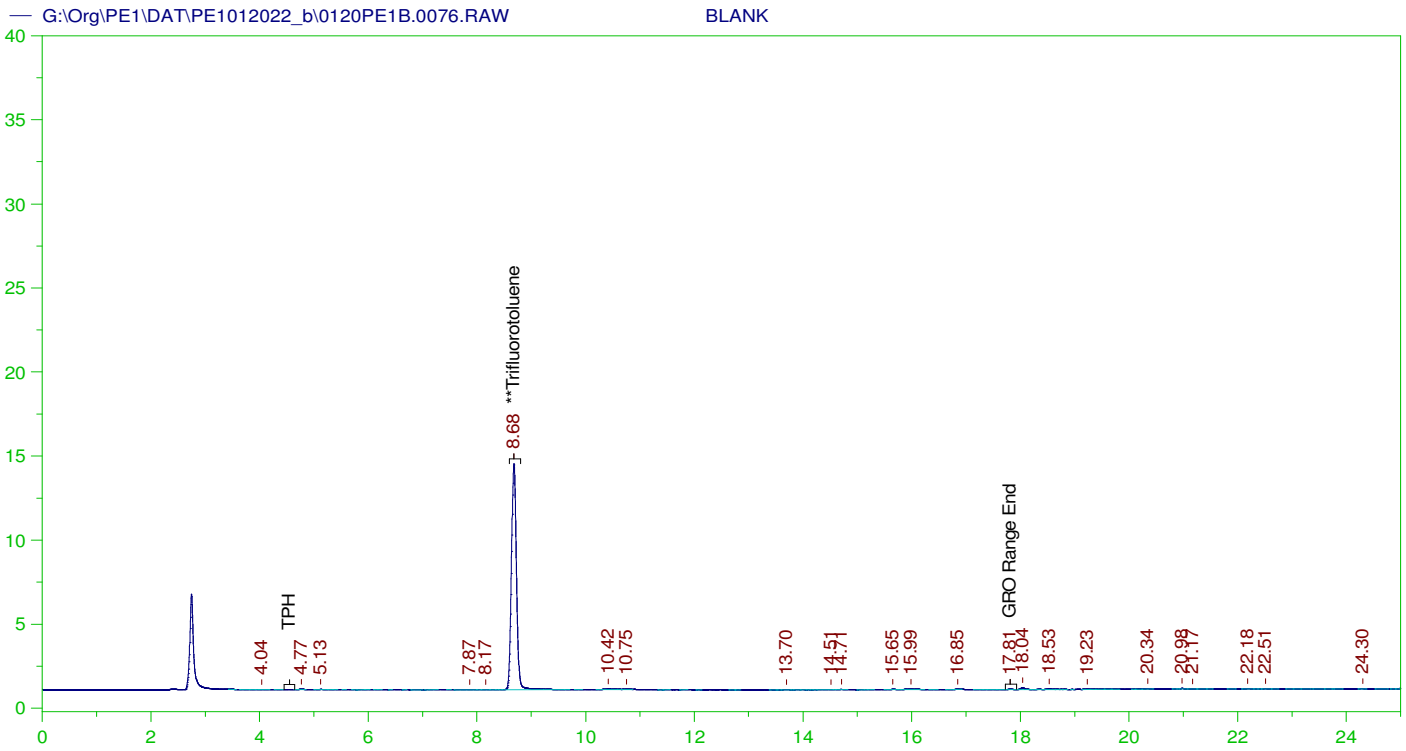
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22011227-001G ;0120PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0075.RAW
Date & Time Acquired: 1/22/2022 2:51:47 AM
Method File: G:\Org\PE1\Methods\211208GRO_DoDB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 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	8.681	25.	18.871	75.49	-

C6 to C10 Area:3281.19 C6 to C10 Amount: 0.6937214
TPH Area:9358.228 TPH Amount: 2.05813



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0076.RAW
Date & Time Acquired: 1/22/2022 3:26:03 AM
Method File: G:\Org\PE1\Methods\211208GRO_DoDB.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

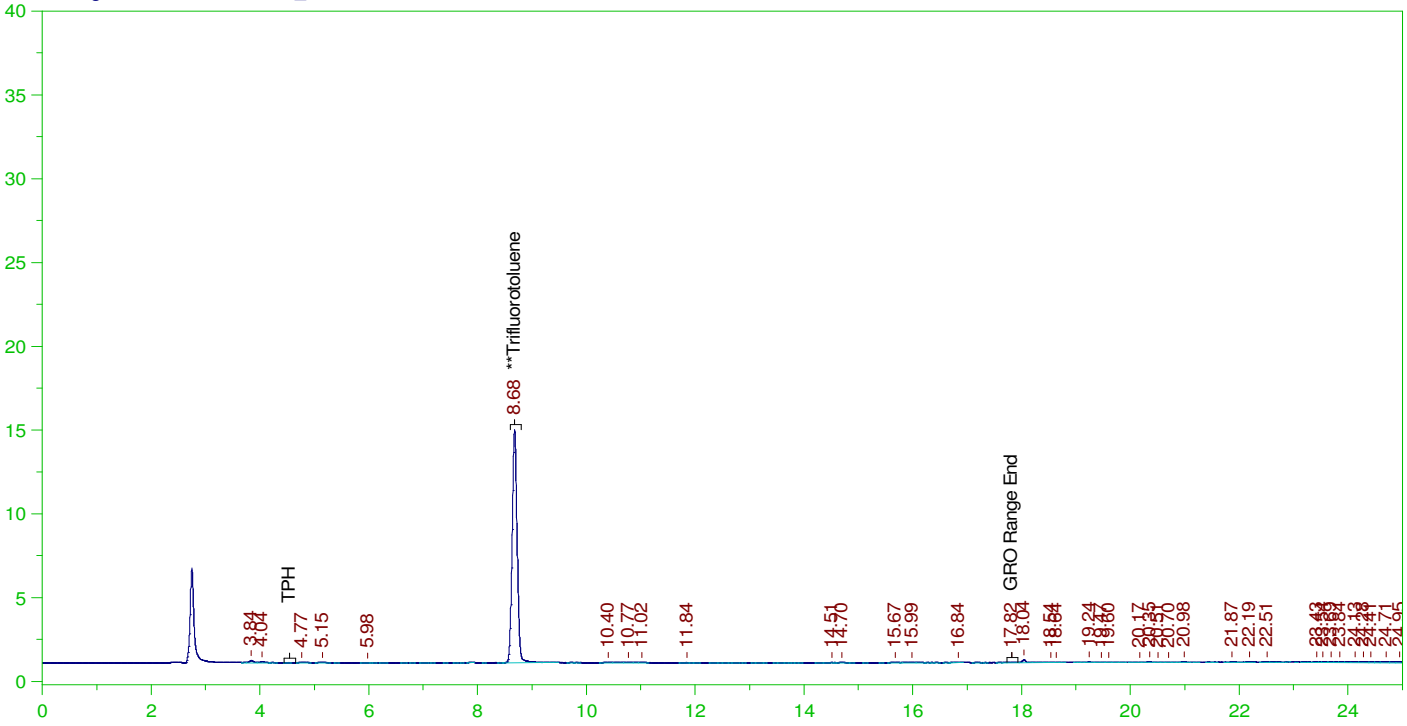
Mean RF for C6 to C10: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.681	125.	91.615	73.29	-

C6 to C10 Area:2844.317 C6 to C10 Amount: 3.00678
TPH Area:5142.154 TPH Amount: 5.6545

ERH2424 (RHMW14 Zone3)

G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0077.RAW B22011228-001G ;0120PE1 , $HC-8015-GRO-W,



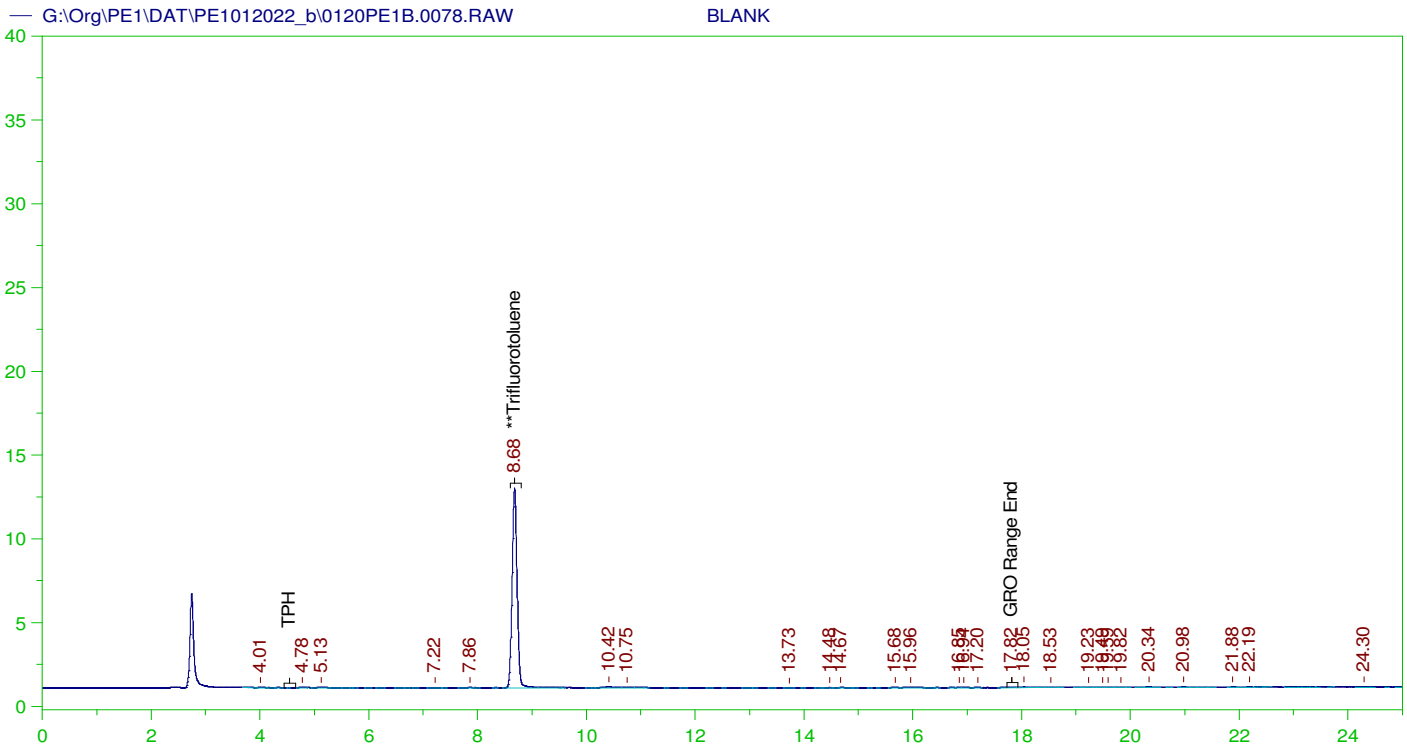
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22011228-001G ;0120PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0077.RAW
Date & Time Acquired: 1/22/2022 4:00:23 AM
Method File: G:\Org\PE1\Methods\211208GRO_DoDB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 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	8.682	25.	18.935	75.74	-

C6 to C10 Area:3002.852 C6 to C10 Amount: 0.634874
TPH Area:9021.959 TPH Amount: 1.984175



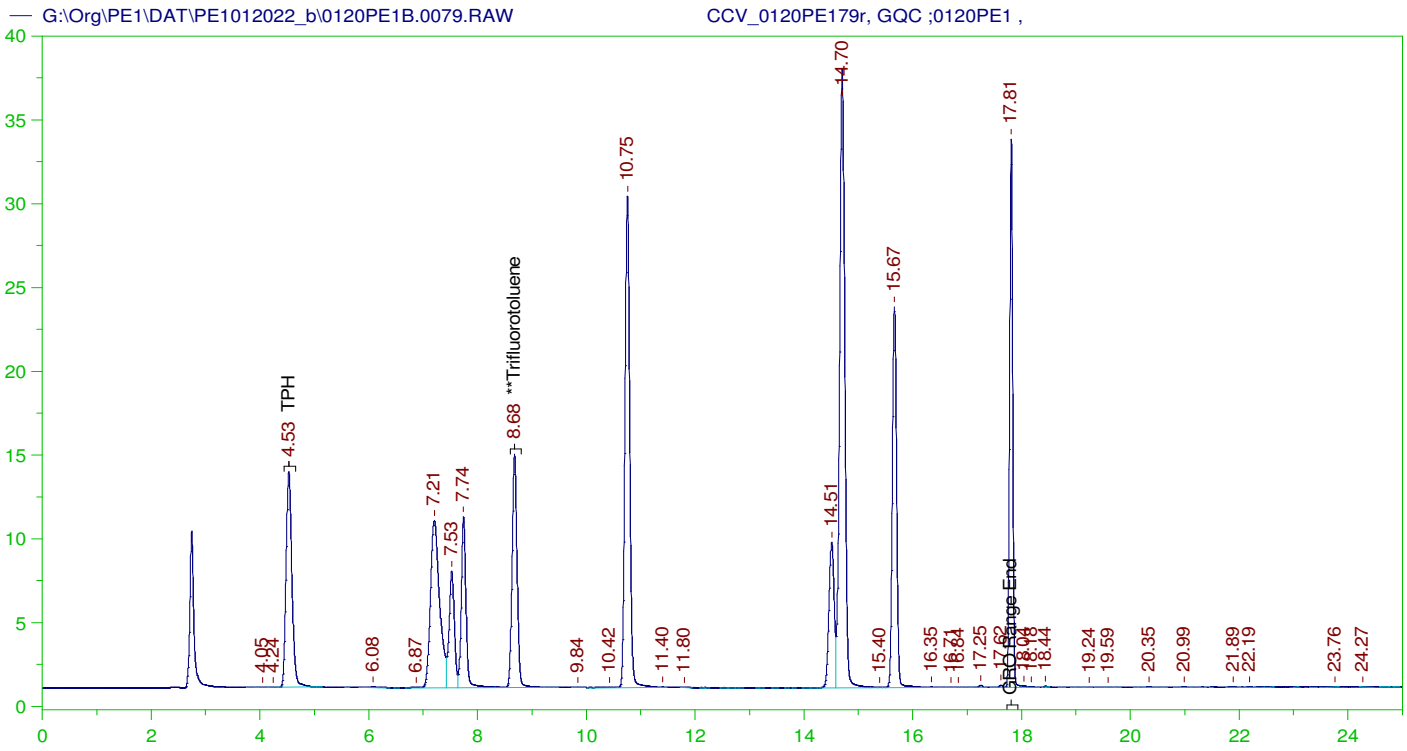
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0078.RAW
Date & Time Acquired: 1/22/2022 4:34:39 AM
Method File: G:\Org\PE1\Methods\211208GRO_DoDB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 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	8.681	125.	80.912	64.73	-

C6 to C10 Area:3479.693 C6 to C10 Amount: 3.678447
TPH Area:5347.856 TPH Amount: 5.880698



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_0120PE179r, GQC ;0120PE1 ,
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0079.RAW
Date & Time Acquired: 1/22/2022 5:09:00 AM
Method File: G:\Org\PE1\Methods\211208GRO_DoDB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 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	8.68	125.	95.205	76.16	-

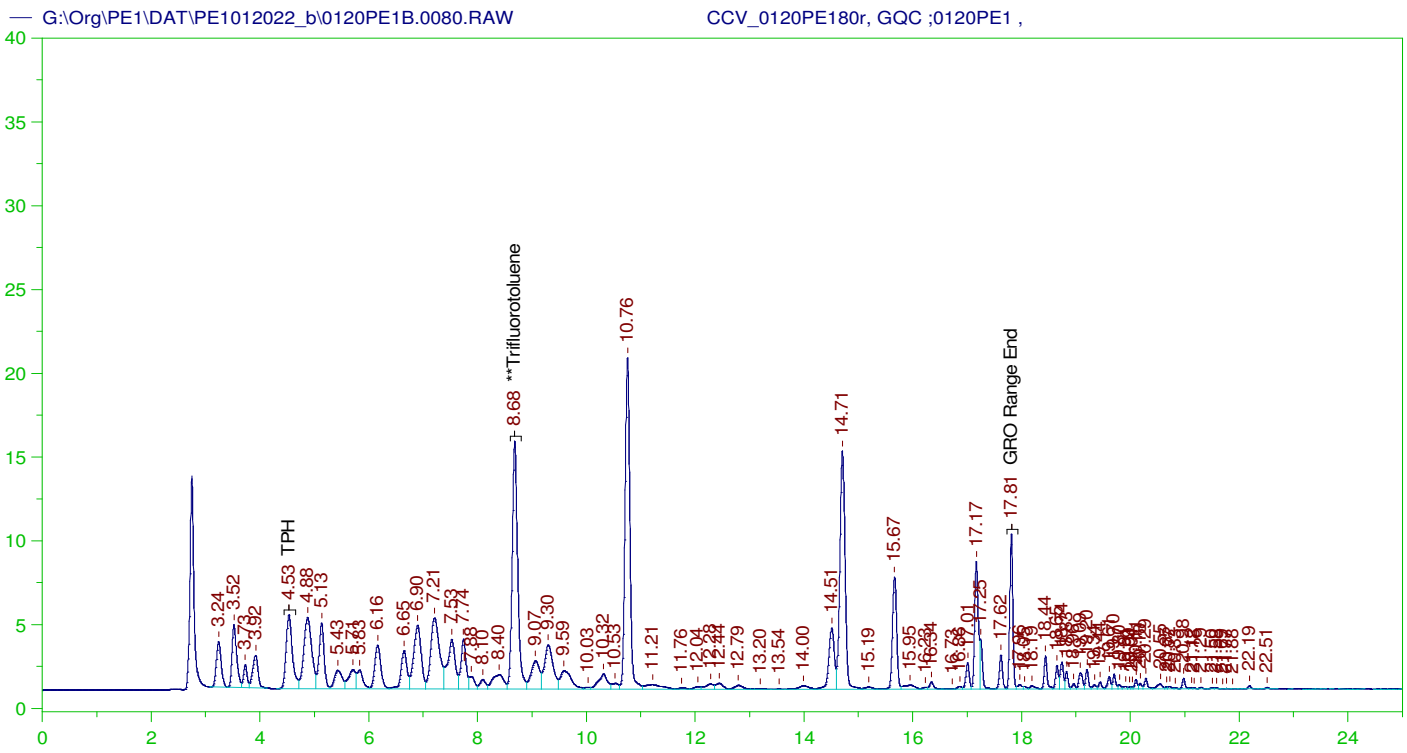
C6 to C10 Area:1063098 C6 to C10 Amount: 1123.821
TPH Area:1065484 TPH Amount: 1171.645

CONTINUING CALIBRATION REPORT: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0079.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
C6 to C10	840.	1123.82	133.79	85-115
TPH	1000.	1171.65	117.16	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	8.68	125.	95.205	76.16	85-115

G:\org\PE1\dat\PE1012022_b\Review\079_CCV_0120PE179r_211208GRO_DoDB%.xls



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_0120PE180r, GQC ;0120PE1 ,
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0080.RAW
Date & Time Acquired: 1/22/2022 5:43:20 AM
Method File: G:\Org\PE1\Methods\211208GCCV0120_80DoDB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

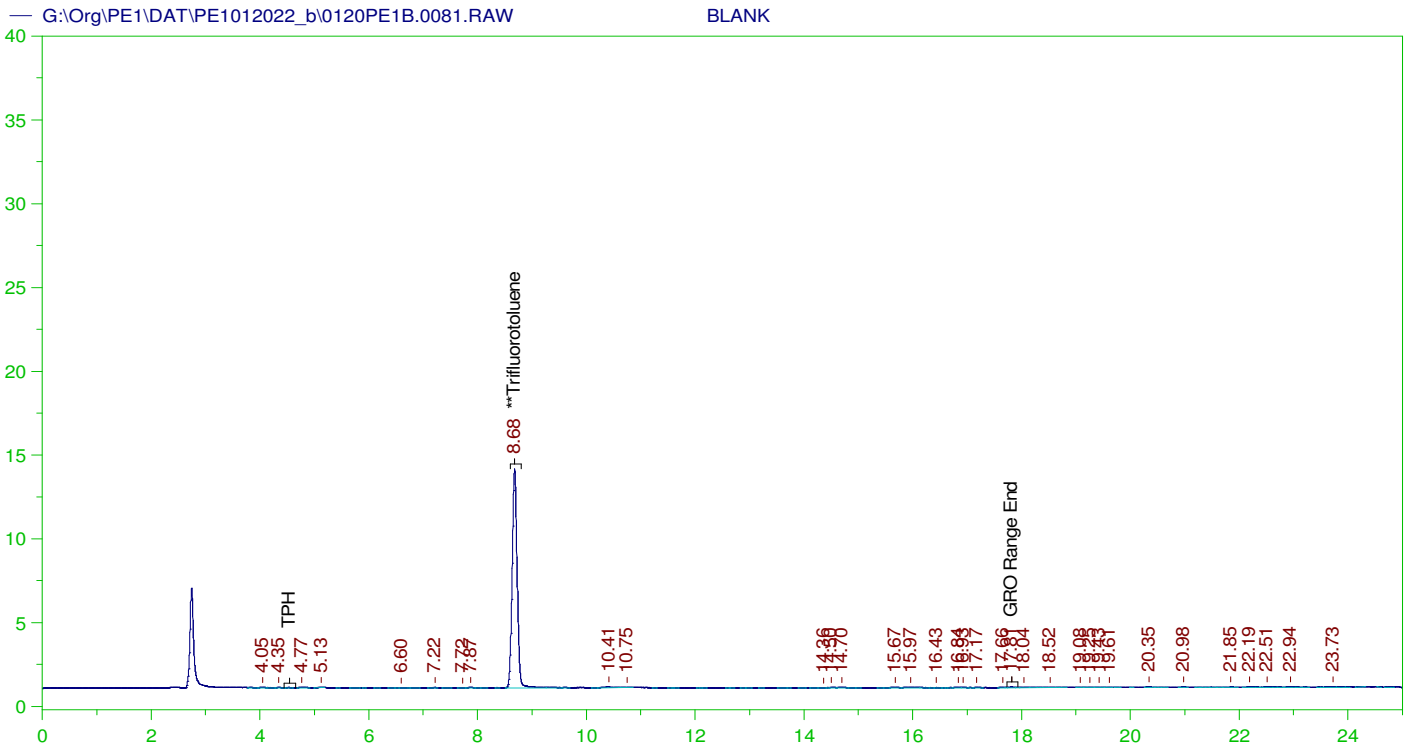
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.684	125.	110.91	88.73	-

C6 to C10 Area:825022.4 C6 to C10 Amount: 872.1464
TPH Area:952401.6 TPH Amount: 1047.296

CONTINUING CALIBRATION REPORT: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0080.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
C6 to C10	840.	872.15	103.83	85-115
TPH	1000.	1047.3	104.73	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	8.684	125.	110.91	88.73	85-115



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
Raw File: G:\Org\PE1\DAT\PE1012022_b\0120PE1B.0081.RAW
Date & Time Acquired: 1/22/2022 6:17:42 AM
Method File: G:\Org\PE1\Methods\211208GRO_DoDB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 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	8.682	125.	88.983	71.19	-

C6 to C10 Area:3851.566 C6 to C10 Amount: 4.071562
TPH Area:5716.462 TPH Amount: 6.28603

Write Sequence	Insert Entries(Have the first cell for entries selecte							
Data File	**Sample Name**	**Method**	**Weight**	**Dil Factor**	**Amt Inj.**	**IS**	**Cal ID**	**Manual Integrations**
G:\Org\PE1\DAT\PE1012022_b\0120PE1.01r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1012022_b\0120PE1.02r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1012022_b\0120PE1.03r	CCV_0120PE103r, GQC ;0120PE1 ,	G:\Org\PE1\Methods\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1012022_b\0120PE1.04r	CCV_0120PE104r, GQC ;0120PE1 ,	G:\Org\PE1\Methods\21120	1	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\PE1\DAT\PE1012022_b\0120PE1.05r	LCS_0120PE105r, GQC ;0120PE1 ,	G:\Org\PE1\Methods\21120	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\PE1\DAT\PE1012022_b\0120PE1.06r	MBLK_0120PE106r, QC ;0120PE1 ,	G:\Org\PE1\Methods\21120	5	1	1	1	0	None
G:\Org\PE1\DAT\PE1012022_b\0120PE1.07r	B22011124-001G ;0120PE1 , $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\PE1012022_b\0120PE1.08r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1012022_b\0120PE1.09r	B22011124-003A ;0120PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0	None
G:\Org\PE1\DAT\PE1012022_b\0120PE1.10r	B22011125-003A ;0120PE1 , $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\PE1012022_b\0120PE1.11r	B22011126-003A ;0120PE1 , $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\PE1012022_b\0120PE1.12r	B22011127-003A ;0120PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0	None
G:\Org\PE1\DAT\PE1012022_b\0120PE1.13r	*B22011128-003A ;0120PE1 , $HC-8015-GRO-W,*	G:\Org\PE1\Methods\21120	5	1	1	1	0	None
G:\Org\PE1\DAT\PE1012022_b\0120PE1.14r	B22011129-003A ;0120PE1 , $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\PE1012022_b\0120PE1.15r	B22011130-003A ;0120PE1 , $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\PE1012022_b\0120PE1.16r	B22011131-003A ;0120PE1 , $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\PE1012022_b\0120PE1.17r	B22011132-003A ;0120PE1 , $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\PE1012022_b\0120PE1.18r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1012022_b\0120PE1.19r	B22011124-001GMS, GQC ;0120PE1 , $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\PE1012022_b\0120PE1.20r	B22011124-001GMSD, GQC ;0120PE1 , $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\PE1012022_b\0120PE1.21r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1012022_b\0120PE1.22r	CCV_0120PE122r, GQC ;0120PE1 ,	G:\Org\PE1\Methods\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1012022_b\0120PE1.23r	CCV_0120PE123r, GQC ;0120PE1 ,	G:\Org\PE1\Methods\21120	1	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\PE1\DAT\PE1012022_b\0120PE1.24r	LCS_0120PE124r, GQC ;0120PE1 ,	G:\Org\PE1\Methods\21120	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\PE1\DAT\PE1012022_b\0120PE1.25r	MBLK_0120PE125r, QC ;0120PE1 ,	G:\Org\PE1\Methods\21120	5	1	1	1	0	None
G:\Org\PE1\DAT\PE1012022_b\0120PE1.26r	B22011133-003A ;0120PE1 , $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\PE1012022_b\0120PE1.27r	B22011125-001G ;0120PE1 , $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\PE1012022_b\0120PE1.28r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1012022_b\0120PE1.29r	B22011126-001G ;0120PE1 , $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\PE1012022_b\0120PE1.30r	B22011127-001G ;0120PE1 , $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\PE1012022_b\0120PE1.31r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0	None

G:\Org\PE1\DAT\PE1012022_b\0120PE1.32r	B22011128-001G ;0120PE1 , $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\PE1012022_b\0120PE1.33r	B22011129-001G ;0120PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0	None
G:\Org\PE1\DAT\PE1012022_b\0120PE1.34r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1012022_b\0120PE1.35r	*B22011130-001G ;0120PE1 , $HC-8015-GRO-W,*	G:\Org\PE1\Methods\21120	5	1	1	1	0	None
G:\Org\PE1\DAT\PE1012022_b\0120PE1.36r	*B22011131-001G ;0120PE1 , $HC-8015-GRO-W,*	G:\Org\PE1\Methods\21120	5	1	1	1	0	None
G:\Org\PE1\DAT\PE1012022_b\0120PE1.37r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1012022_b\0120PE1.38r	B22011132-001G ;0120PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0	None
G:\Org\PE1\DAT\PE1012022_b\0120PE1.39r	B22011133-001G ;0120PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0	None
G:\Org\PE1\DAT\PE1012022_b\0120PE1.40r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1012022_b\0120PE1.41r	CCV_0120PE141r, GQC ;0120PE1 ,	G:\Org\PE1\Methods\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1012022_b\0120PE1.42r	CCV_0120PE142r, GQC ;0120PE1 ,	G:\Org\PE1\Methods\21120	1	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\PE1\DAT\PE1012022_b\0120PE1.43r	LCS_0120PE143r, GQC ;0120PE1 ,	G:\Org\PE1\Methods\21120	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\PE1\DAT\PE1012022_b\0120PE1.44r	MBLK_0120PE144r, QC ;0120PE1 ,	G:\Org\PE1\Methods\21120	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\PE1\DAT\PE1012022_b\0120PE1.45r	B22011130-001G ;0120PE1 , $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\PE1012022_b\0120PE1.46r	B22011131-001G ;0120PE1 , $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\PE1012022_b\0120PE1.47r	B22011128-003A ;0120PE1 , $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\PE1012022_b\0120PE1.48r	B22011136-001G ;0120PE1 , $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\PE1012022_b\0120PE1.49r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0	None

G:\Org\PE1\DAT\PE1012022_b\0120PE1.50r	B22011134-004A ;0120PE1 , $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\PE1012022_b\0120PE1.51r	B22011136-003A ;0120PE1 , $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\PE1012022_b\0120PE1.52r	B22011137-003A ;0120PE1 , $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\PE1012022_b\0120PE1.53r	B22011214-003A ;0120PE1 , $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\PE1012022_b\0120PE1.54r	B22011227-003A ;0120PE1 , $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\PE1012022_b\0120PE1.55r	B22011228-003A ;0120PE1 , $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\PE1012022_b\0120PE1.56r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1012022_b\0120PE1.57r	B22011136-001GMS, GQC ;0120PE1 , $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\PE1012022_b\0120PE1.58r	B22011136-001GMSD, GQC ;0120PE1 , $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\PE1012022_b\0120PE1.59r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1012022_b\0120PE1.60r	CCV_0120PE160r, GQC ;0120PE1 ,	G:\Org\PE1\Methods\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1012022_b\0120PE1.61r	CCV_0120PE161r, GQC ;0120PE1 ,	G:\Org\PE1\Methods\21120	1	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\PE1\DAT\PE1012022_b\0120PE1.62r	LCS_0120PE162r, GQC ;0120PE1 ,	G:\Org\PE1\Methods\21120	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\PE1\DAT\PE1012022_b\0120PE1.63r	MBLK_0120PE163r, QC ;0120PE1 ,	G:\Org\PE1\Methods\21120	5	1	1	1	0	None

G:\Org\PE1\DAT\PE1012022_b\0120PE1.64r	B22011135-003A ;0120PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0	None
G:\Org\PE1\DAT\PE1012022_b\0120PE1.65r	B22011134-001G ;0120PE1 , $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\PE1012022_b\0120PE1.66r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1012022_b\0120PE1.67r	B22011134-002D ;0120PE1 , $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\PE1012022_b\0120PE1.68r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1012022_b\0120PE1.69r	B22011135-001G ;0120PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0	None
G:\Org\PE1\DAT\PE1012022_b\0120PE1.70r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1012022_b\0120PE1.71r	B22011137-001G ;0120PE1 , $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\PE1012022_b\0120PE1.72r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1012022_b\0120PE1.73r	B22011214-001G ;0120PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0	None
G:\Org\PE1\DAT\PE1012022_b\0120PE1.74r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1012022_b\0120PE1.75r	B22011227-001G ;0120PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0	None
G:\Org\PE1\DAT\PE1012022_b\0120PE1.76r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1012022_b\0120PE1.77r	B22011228-001G ;0120PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0	None
G:\Org\PE1\DAT\PE1012022_b\0120PE1.78r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1012022_b\0120PE1.79r	CCV_0120PE179r, GQC ;0120PE1 ,	G:\Org\PE1\Methods\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1012022_b\0120PE1.80r	CCV_0120PE180r, GQC ;0120PE1 ,	G:\Org\PE1\Methods\21120	1	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\PE1\DAT\PE1012022_b\0120PE1.81r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0	None

Chemist

Digitally signed by
Josie Pickard
Date: 2022.02.18 09:14:52 -07:00

Energy Laboratories Inc

Standard LOG

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

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

Final Volume: 1 mL

Stock Source		Base Units	Amount Added
GAS210122	Unleaded Gasoline Comp. Std.(2.0uL)	ug/mL	0.1 mL

Analytes	CAS	Conc:	ug/mL

Page: *1 of 1*

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

Stock Source		Base Units	Amount Added
GASH210122	Unleaded Gasoline Composite	ug/mL	0.84 mL

Analytes	CAS	Conc:	ug/mL

Page: *1 of 1*

Energy Laboratories Inc

Standard LOG

Standard ID:	GASH210122		
Standard Name	Unleaded Gasoline Composite	Type:	Primary
Date Prepared	1/22/2021	BY:	Josie Pickard
Date Expires:	6/7/2023		
Department	GCVOA	Status:	New
Vendor:			
Lot Number:			
Balance ID:			

Comments: Concetration : 50,000 ug/ml

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

Final Volume: 10 mL

Stock Source		**Base Units**	**Amount Added**
3GAS160127	Alaska Gasoline Calibration Mix Versio	ug/mL	0.5022 g

Analytes	**CAS**	Conc:	**ug/mL**

Page: *1 of 1*

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**
Analytes	**CAS**	Conc: **ug/mL**

125 Market Street
New Haven, CT 06513
USA

AccuStandard, Inc.

Tel (203)786-5290
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[1] (%w/w)	Certified Analyte Concentration[2] (%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 4/8/0
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.

[1] All weighs are traceable through NIST, Test No. 822-275872-11

[2] 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

For use in routine laboratory analysis.

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

Energy Laboratories Inc

Standard LOG

Standard ID:	TFTL211208		
Standard Name	TFTL	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 :0.01mg/mL		

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

Final Volume: 1 mL

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

Analytes	CAS	Conc:	ug/mL

Page: *1 of 1*

Energy Laboratories Inc

Standard LOG

Standard ID:	TFTM211208		
Standard Name	TFTM	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 :0.1mg/mL		

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

Final Volume: 1 mL

Stock Source		Base Units	Amount Added
TFT211208	TFT (1.05uL)	ug/mL	0.1 mL

Analytes	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		Base Units	Amount Added
TFTS210607	TFT Stock	ug/mL	0.1 mL

Analytes	CAS	Conc:	ug/mL

Page: *1 of 1*

Energy Laboratories Inc

Standard LOG

Standard ID:	TFTS210607		
Standard Name	TFT Stock	Type:	Primary
Date Prepared	6/7/2021	BY:	Josie Pickard
Date Expires:	9/10/2029		
Department	GCVOA	Status:	New
Vendor:	Accustandard		
Lot Number:	219091095		
Balance ID:			

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**
Analytes	**CAS**	Conc: **ug/mL**

Page: *1 of 1*

125 Market Street
New Haven, CT 06513
USA

AccuStandard®

Tel (203)786-5290
Fax (203)786-5287
www.AccuStandard.com

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*

Signal Word: Danger

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

Certified Reference Material

ANAB ACCREDITED REFERENCE MATERIAL PRODUCER AR-1463
ANAB ACCREDITED TESTING LABORATORY AT-1339
ilac-MRA

Component	CAS #	Purity % (GC/MS)	Prepared Concentration² (mg/mL)	Certified Analyte Concentration¹ (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
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.

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.

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

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

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

Final Volume: 5 mL

Stock Source	**Base Units**	**Amount Added**
Analytes	**CAS**	Conc: **ug/mL**

Page: *1 of 1*

Josie

125 Market Street
New Haven, CT 06513
USA

AccuStandard®

Tel (203)786-5290
Fax (203)786-5287
www.AccuStandard.com

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*

Signal Word: Danger

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

Certified Reference Material

ANAB ACCREDITED REFERENCE MATERIAL PRODUCER AR-1463
ANAB ACCREDITED TESTING LABORATORY AT-1339
ilac-MRA

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
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.

[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.

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

Stock Source		Base Units	Amount Added
GASH210122	Unleaded Gasoline Composite	ug/mL	0.84 mL

Analytes	CAS	Conc:	ug/mL

Page: *1 of 1*

Energy Laboratories Inc

Standard LOG

Standard ID:	GASH210122		
Standard Name	Unleaded Gasoline Composite	Type:	Primary
Date Prepared	1/22/2021	BY:	Josie Pickard
Date Expires:	6/7/2023		
Department	GCVOA	Status:	New
Vendor:			
Lot Number:			
Balance ID:			

Comments: Concetration : 50,000 ug/ml

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

Final Volume: 10 mL

Stock Source		**Base Units**	**Amount Added**
3GAS160127	Alaska Gasoline Calibration Mix Versio	ug/mL	0.5022 g

Analytes	**CAS**	Conc:	**ug/mL**

Page: *1 of 1*

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**
Analytes	**CAS**	Conc: **ug/mL**

125 Market Street
New Haven, CT 06513
USA

AccuStandard, Inc.

Tel (203)786-5290
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[1] (%w/w)	Certified Analyte Concentration[2] (%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 4/8/0
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.

[1] All weighs are traceable through NIST, Test No. 822-275872-11

[2] 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

For use in routine laboratory analysis.

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

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

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

Analytes	CAS	Conc:	ug/mL

Page: *1 of 1*

Energy Laboratories Inc

Standard LOG

Standard ID:	TFTS210607		
Standard Name	TFT Stock	Type:	Primary
Date Prepared	6/7/2021	BY:	Josie Pickard
Date Expires:	9/10/2029		
Department	GCVOA	Status:	New
Vendor:	Accustandard		
Lot Number:	219091095		
Balance ID:			

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**
Analytes	**CAS**	Conc: **ug/mL**

Page: *1 of 1*

125 Market Street
New Haven, CT 06513
USA

AccuStandard®

Tel (203)786-5290
Fax (203)786-5287
www.AccuStandard.com

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*

Signal Word: Danger

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

Certified Reference Material

ANAB ACCREDITED REFERENCE MATERIAL PRODUCER AR-1463
ANAB ACCREDITED TESTING LABORATORY AT-1339
ilac-MRA

Component	CAS #	Purity % (GC/MS)	Prepared Concentration² (mg/mL)	Certified Analyte Concentration¹ (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
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.

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.

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.