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

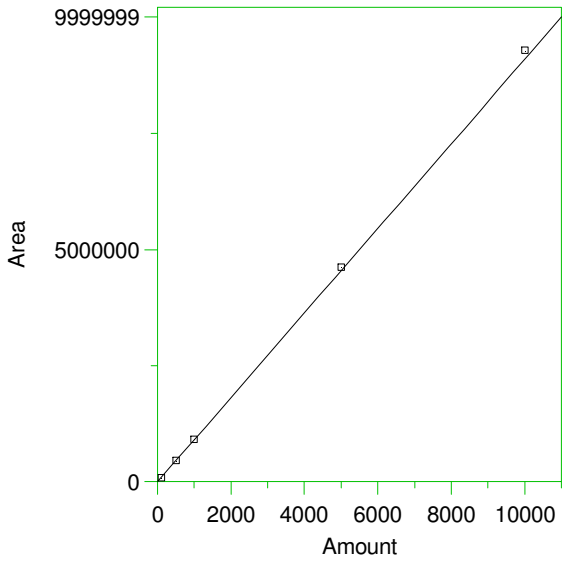
Creator: jmp
Description: 8015 GRO Composite Gasoline Std 12/8/21
Reason for change:

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

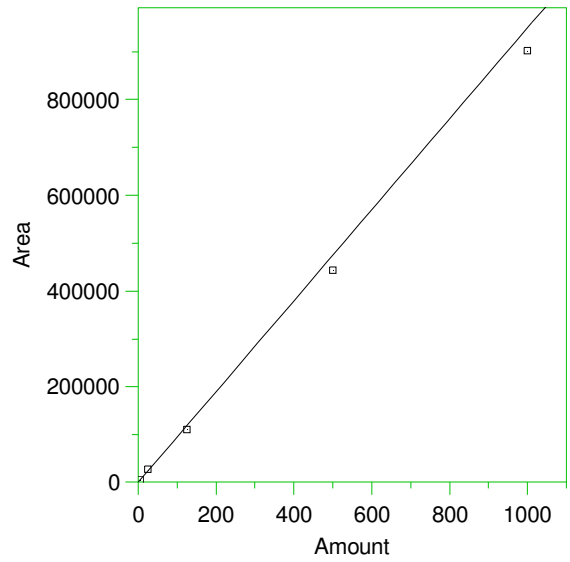
Single peak quantification by area

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

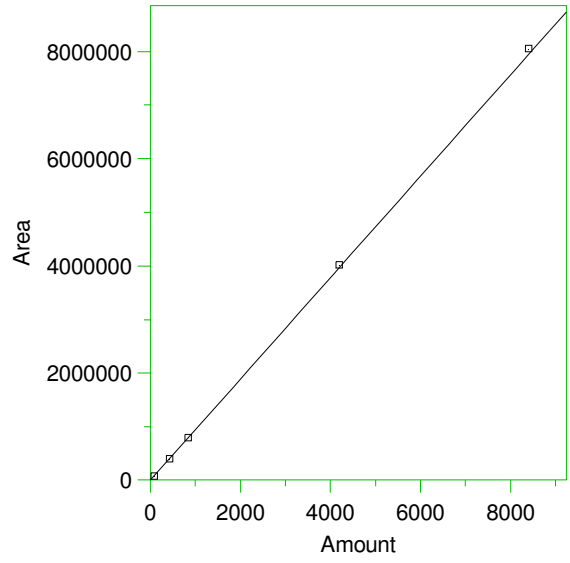
Single peak quantification by area

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

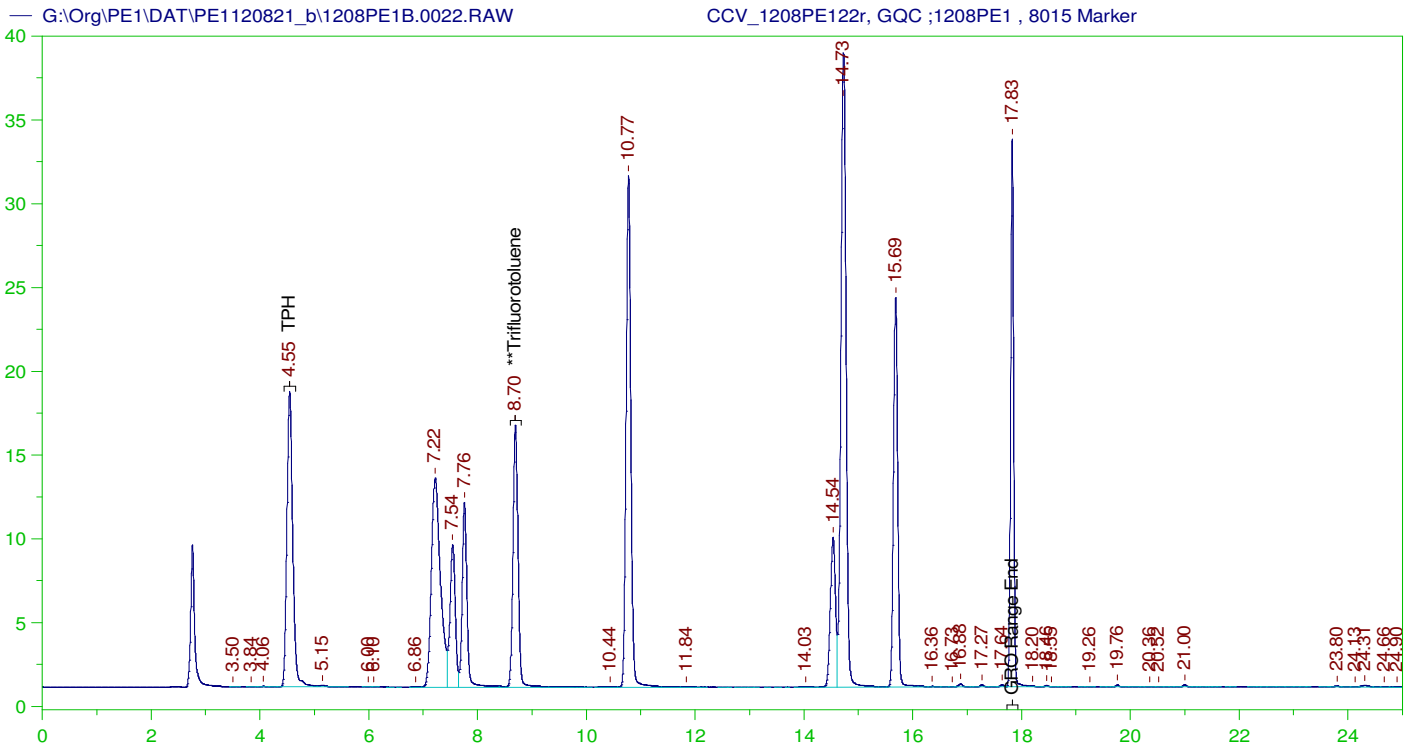
High alarm limit: 1000000
Low alarm limit: 1000
Component constant: 1

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

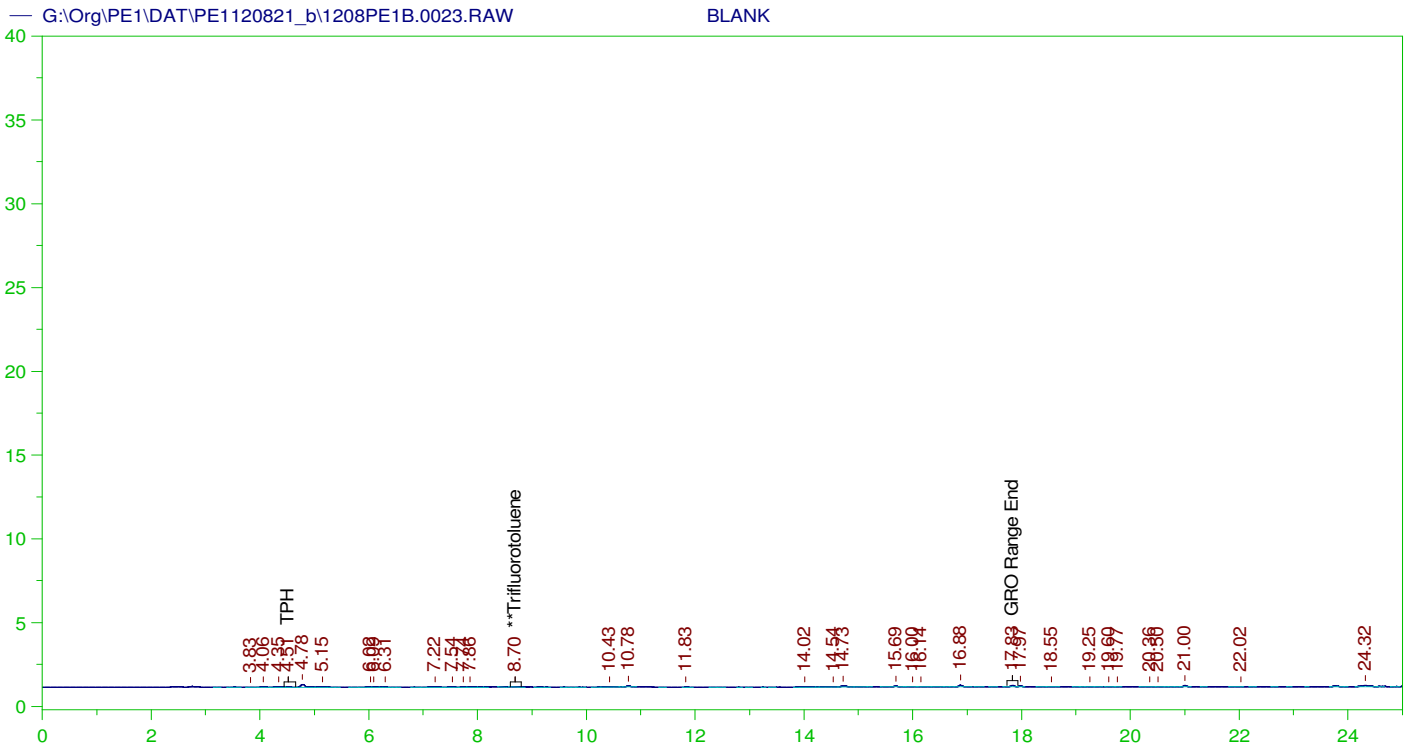
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.697	125.	106.996	85.6	-

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



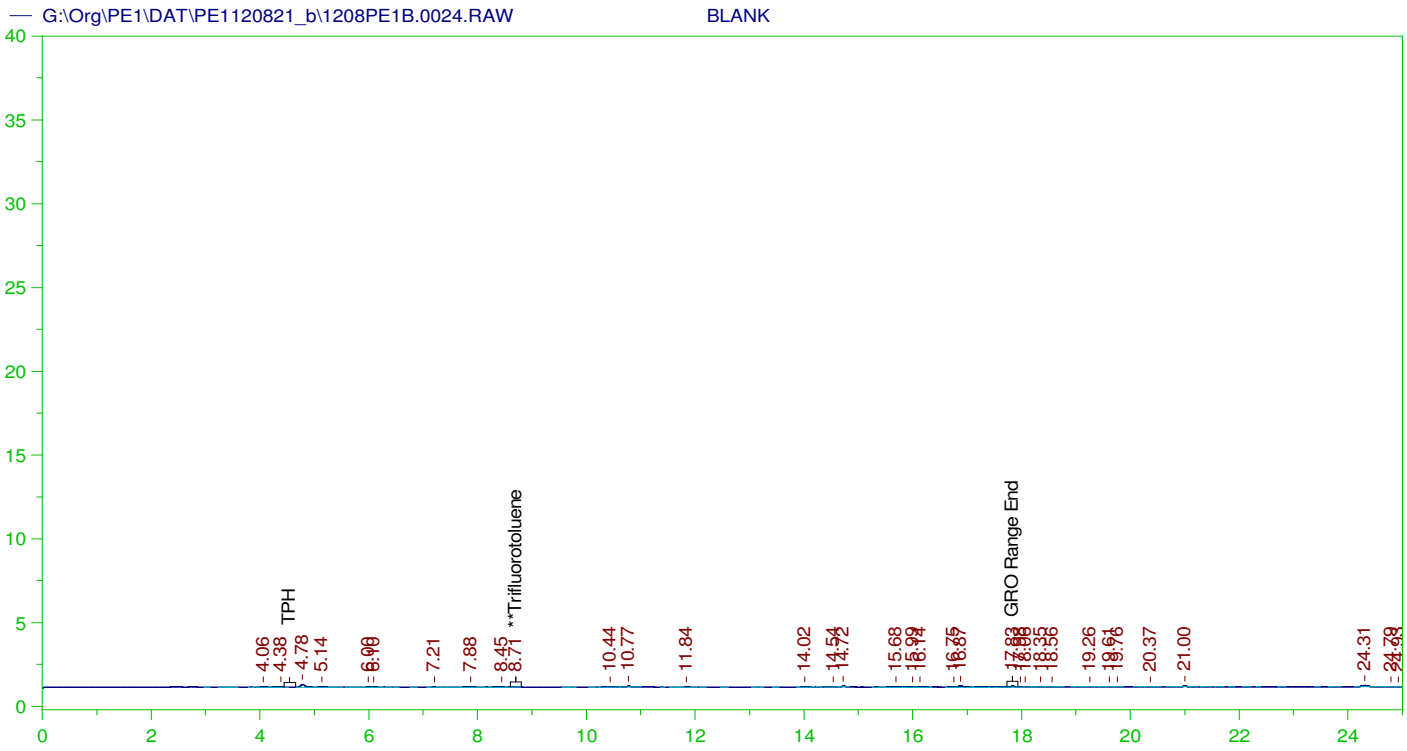
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

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



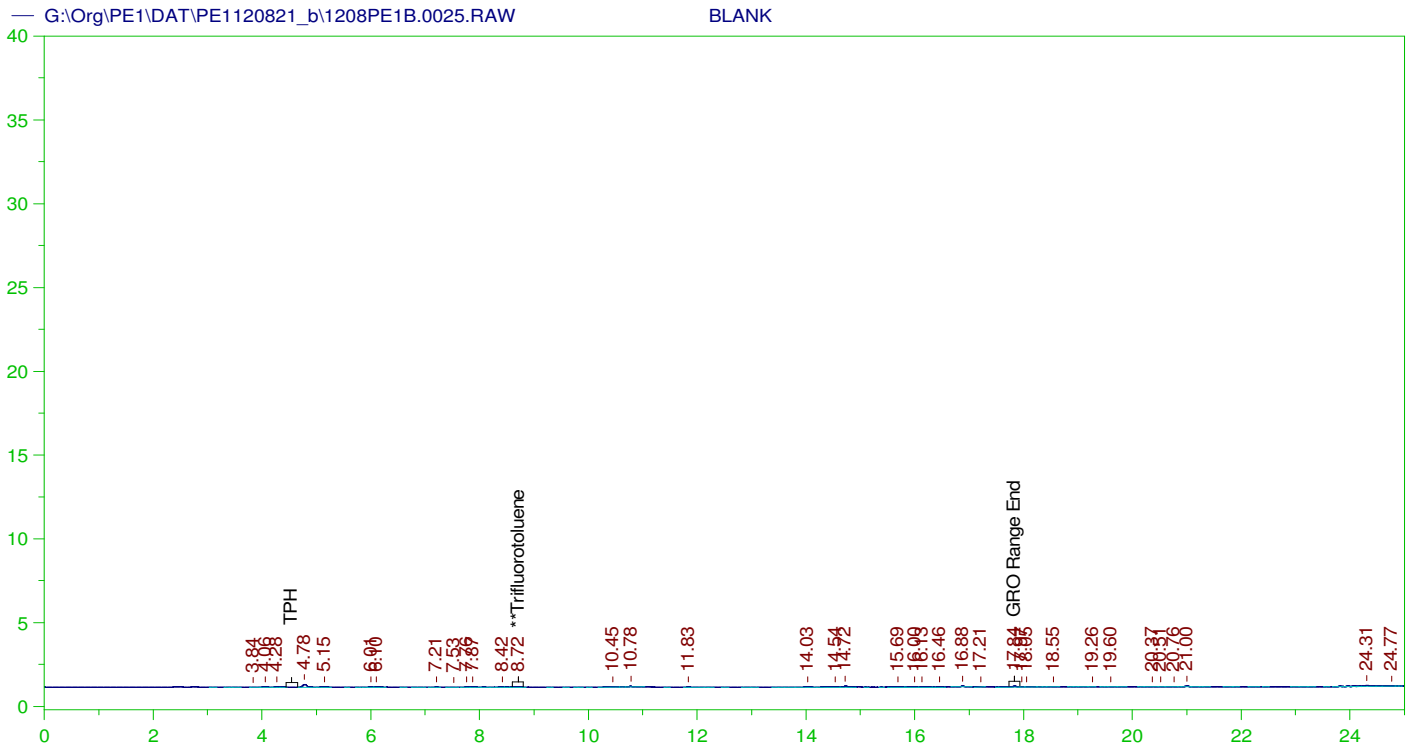
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

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



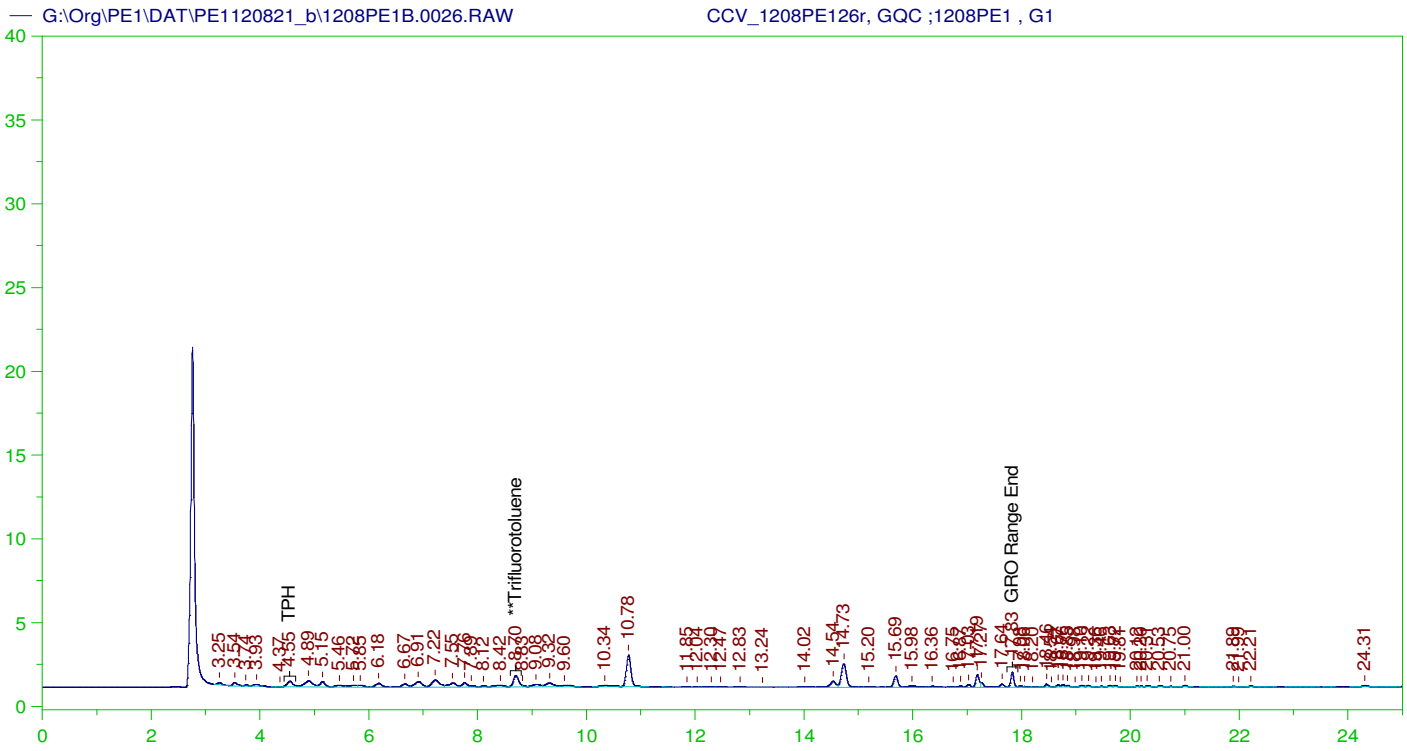
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

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	-

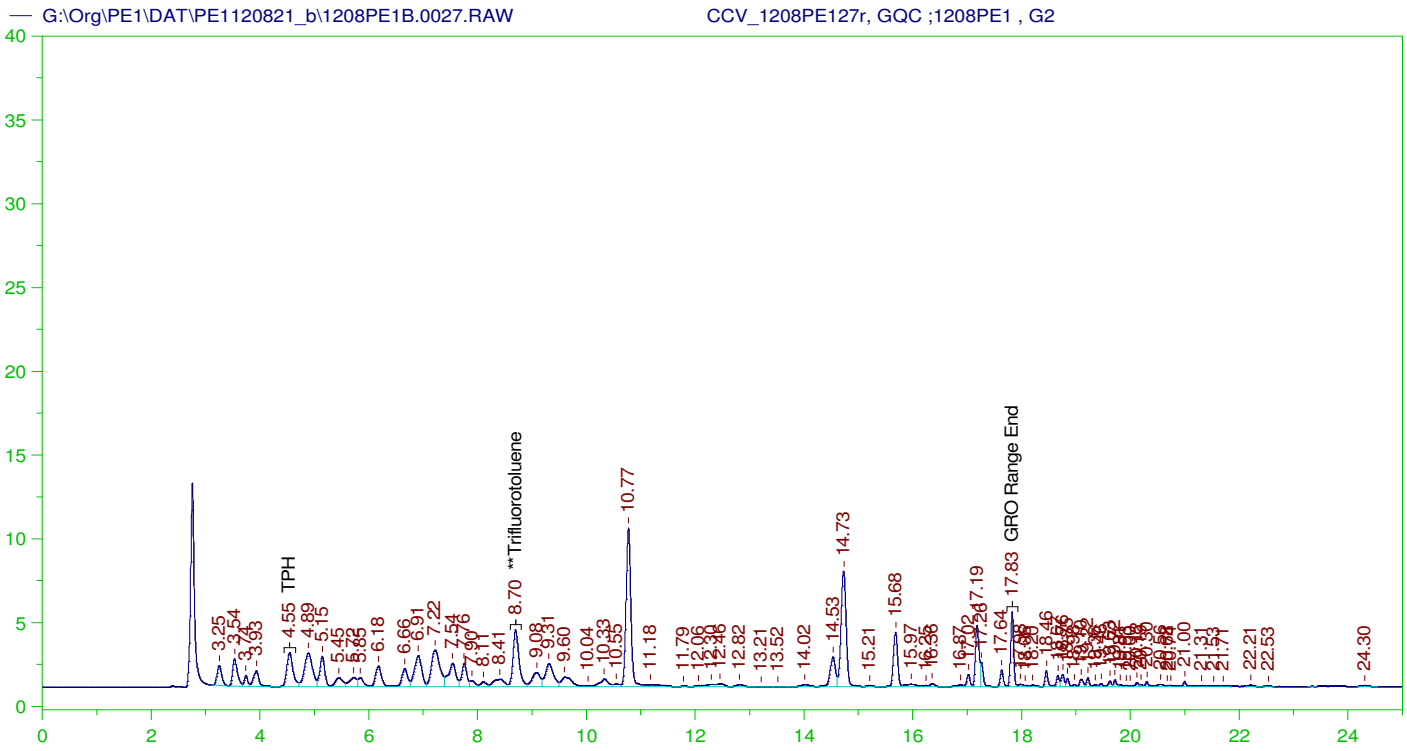
GRO Area:76315.23 GRO Amount: 80.67424
TPH Area:86143.63 TPH Amount: 94.72668

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

G:\org\PE1\dat\PE1120821_b\Review\026_CCV_1208PE126r_211208GROG1B%.xls



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

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

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

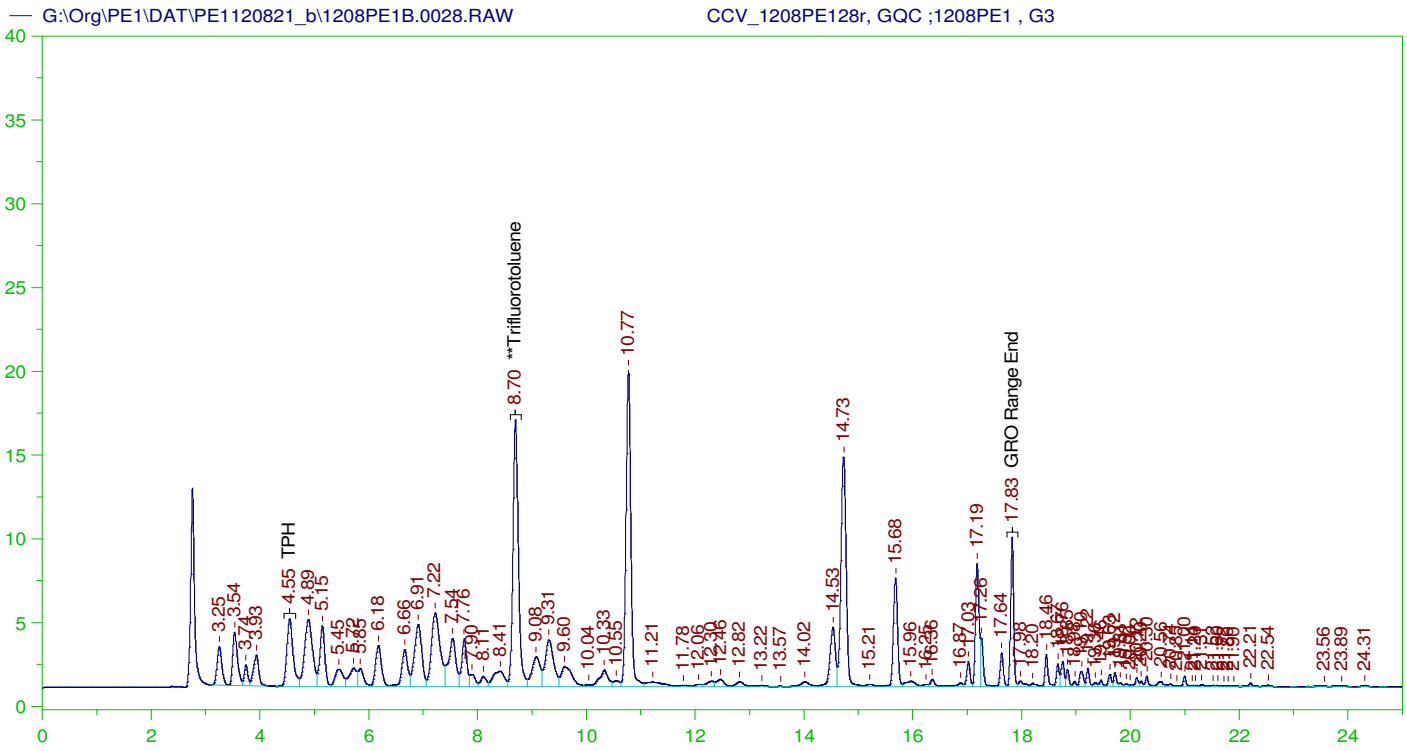
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.701	125.	27.92	22.34	-

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

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

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

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



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

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

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

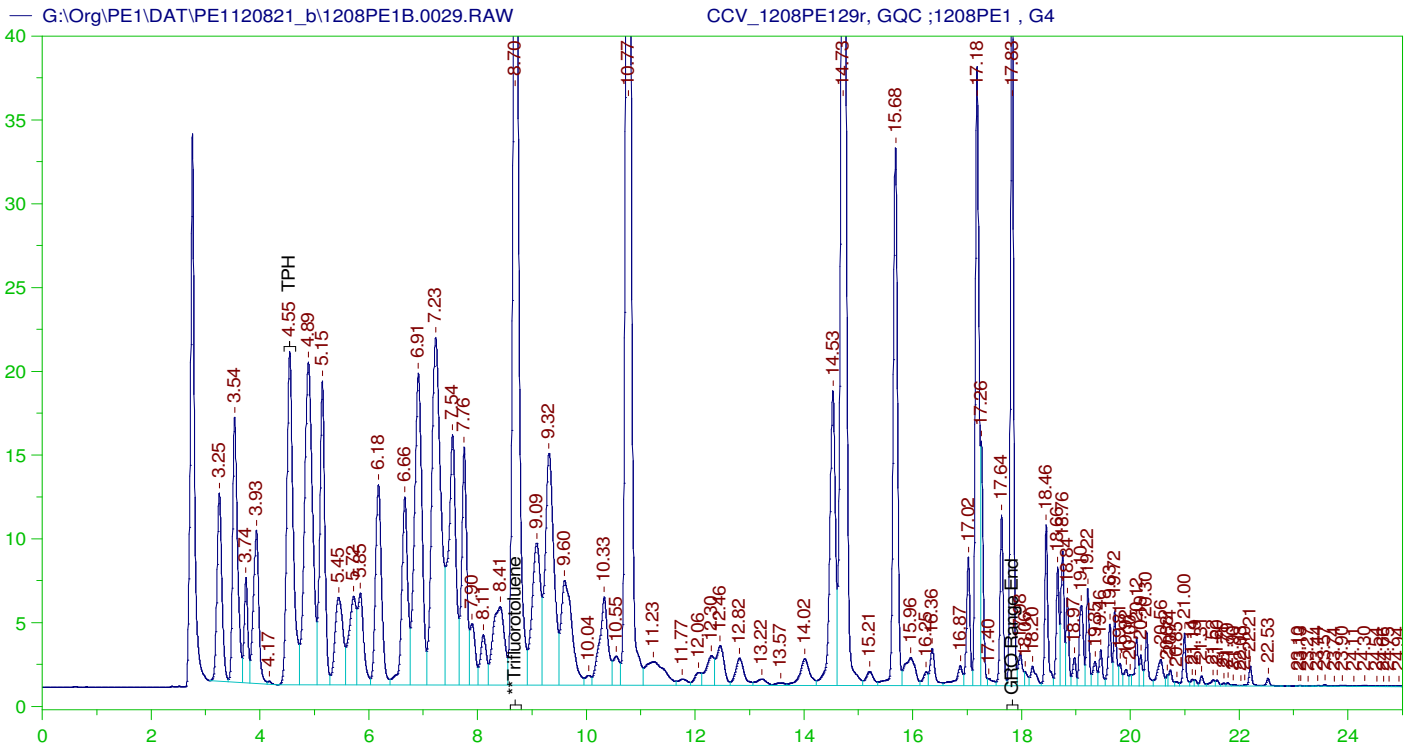
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.698	125.	117.121	93.7	-

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

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

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

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



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

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

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

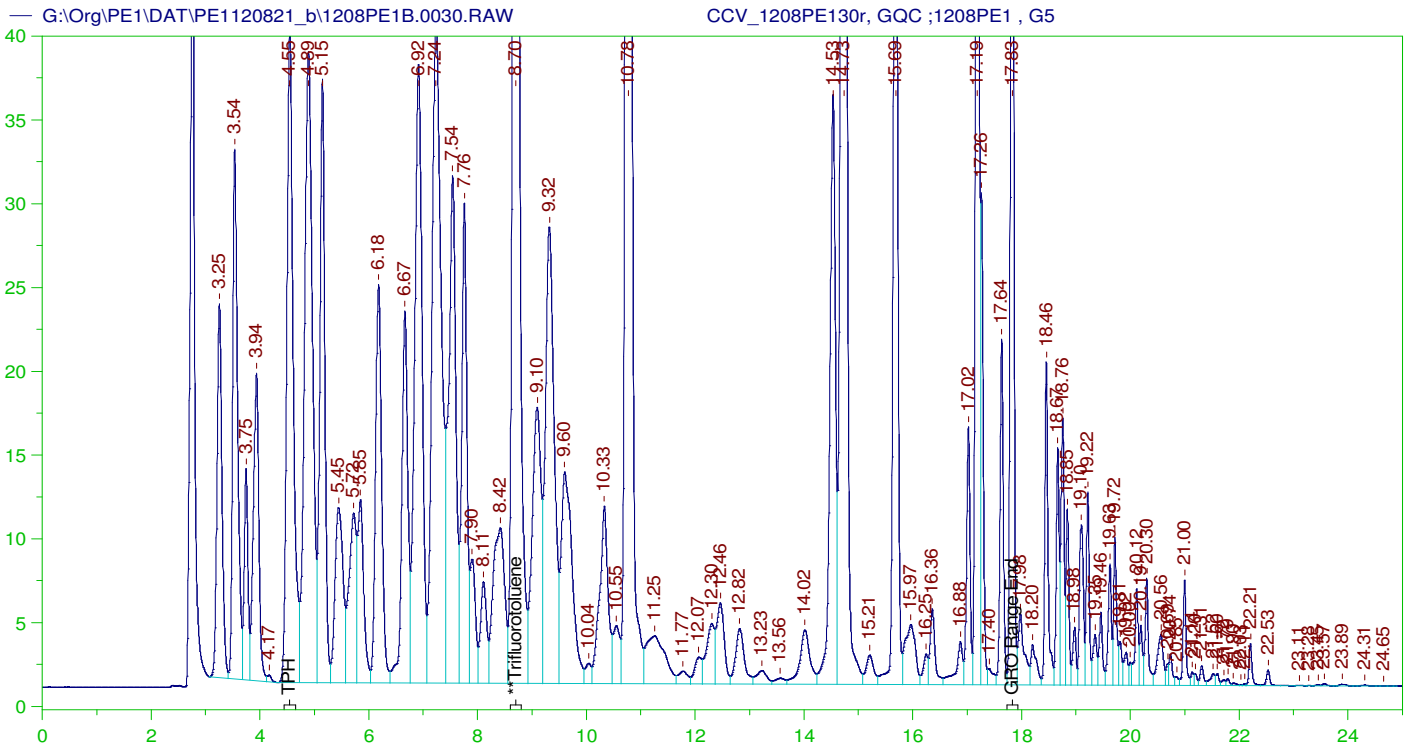
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.698	125.	466.523	373.22	-

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

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

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

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



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

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

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

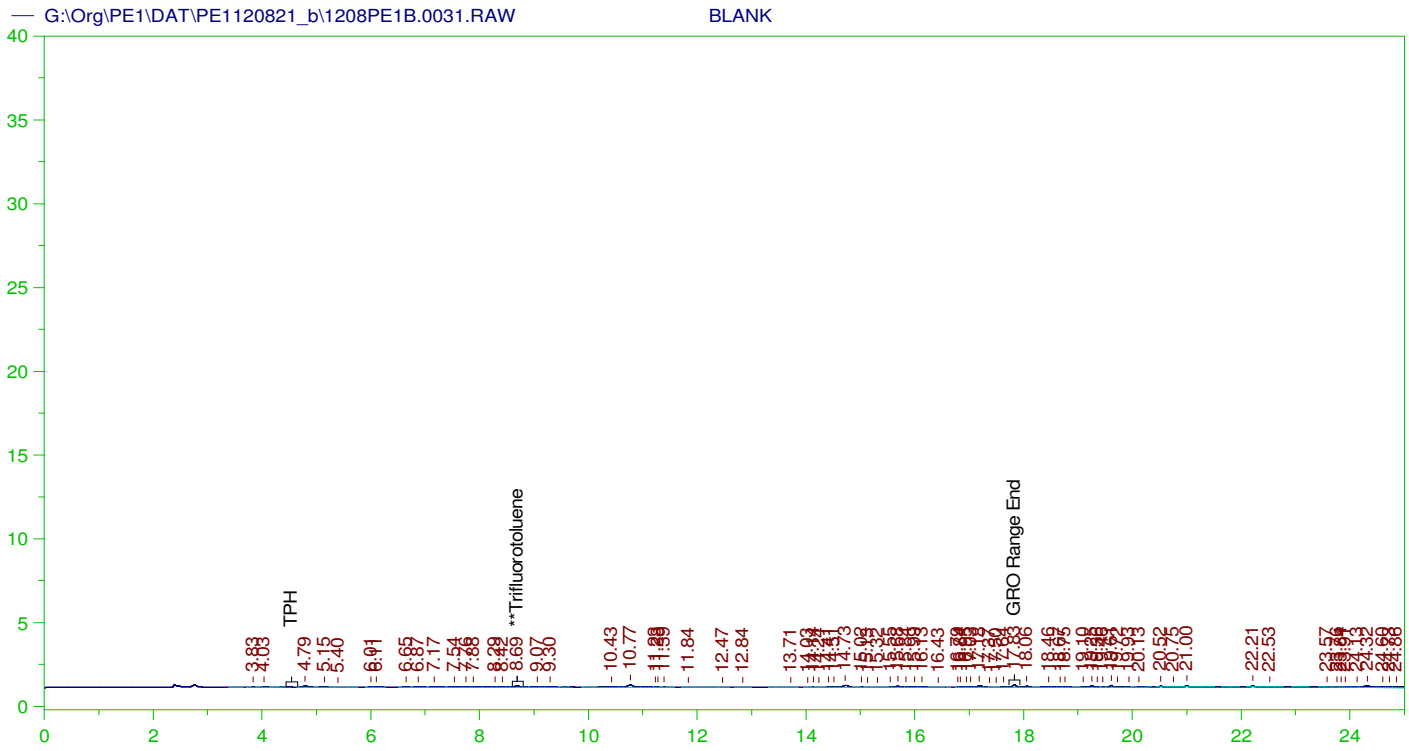
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.7	125.	950.451	760.36	-

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

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

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

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



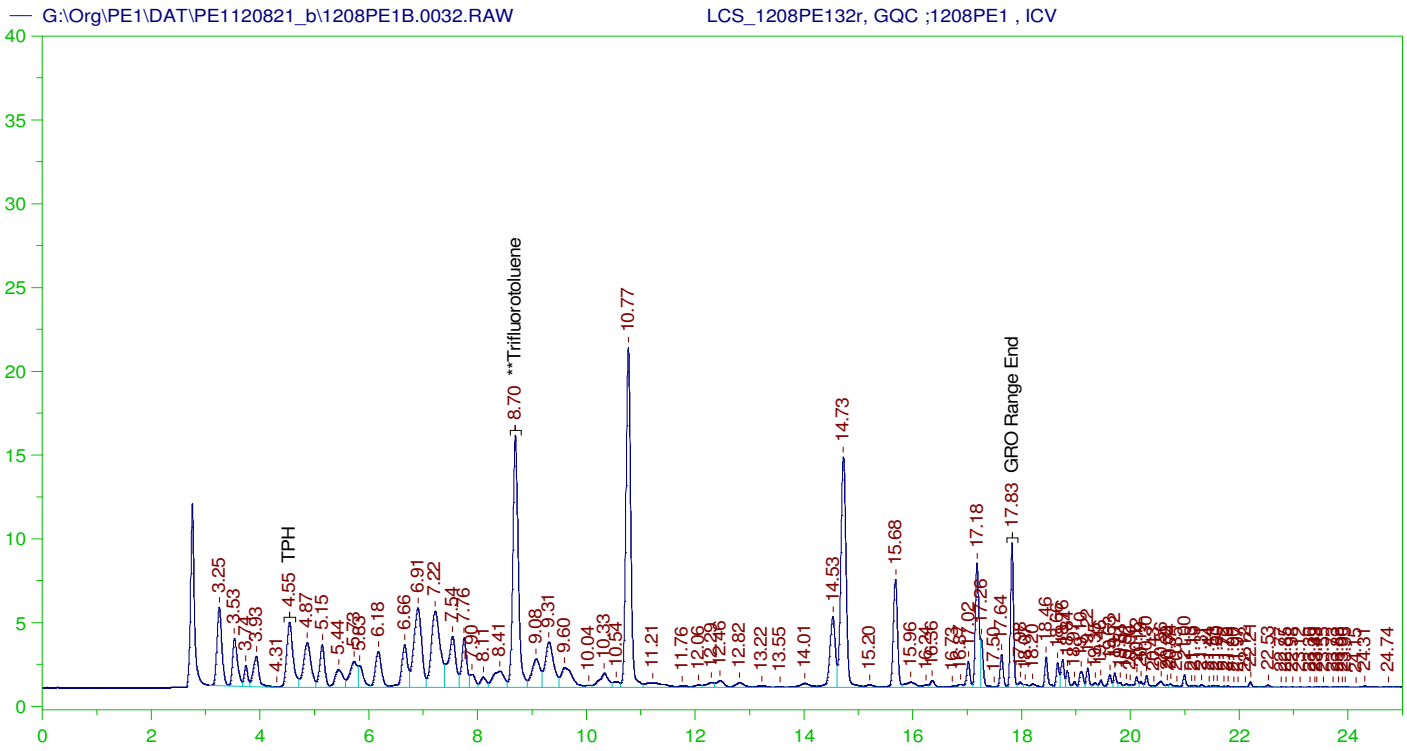
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

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

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

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

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



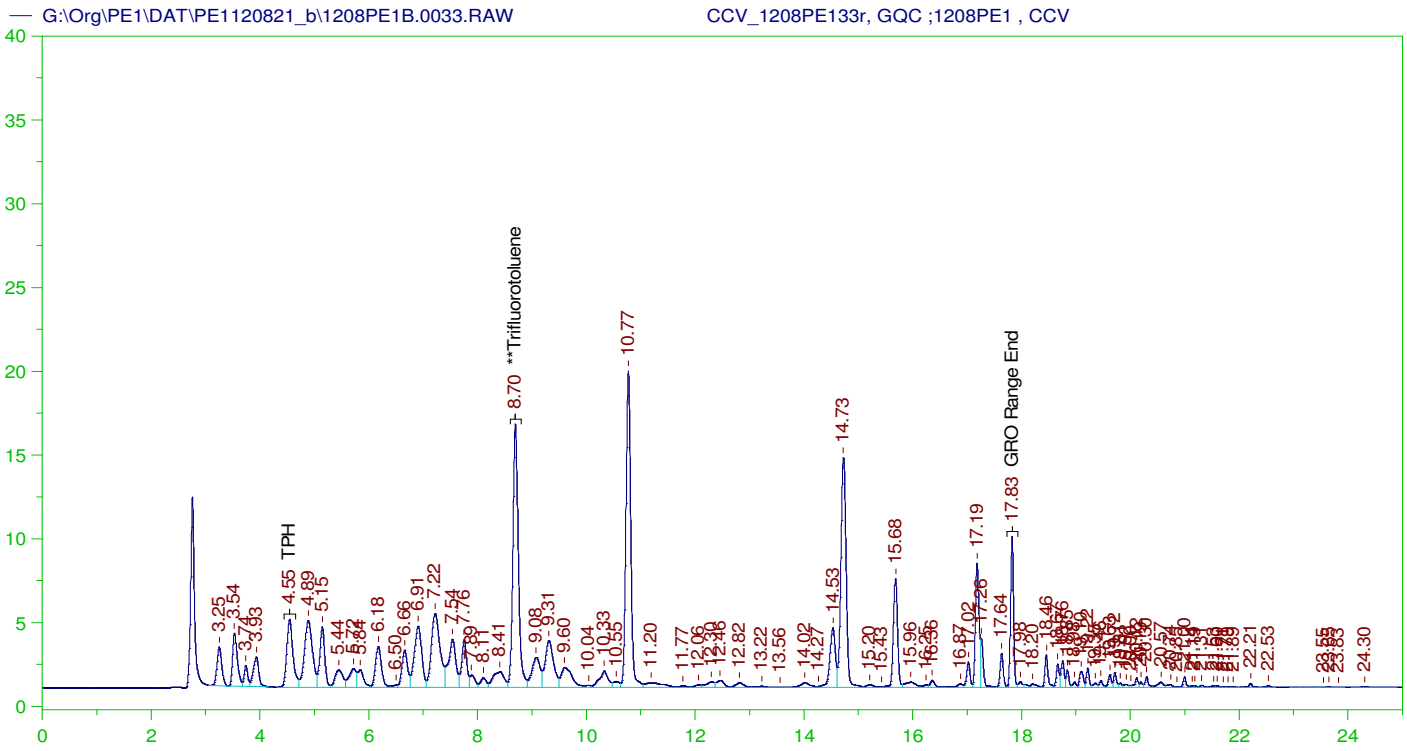
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

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

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

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

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



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

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

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

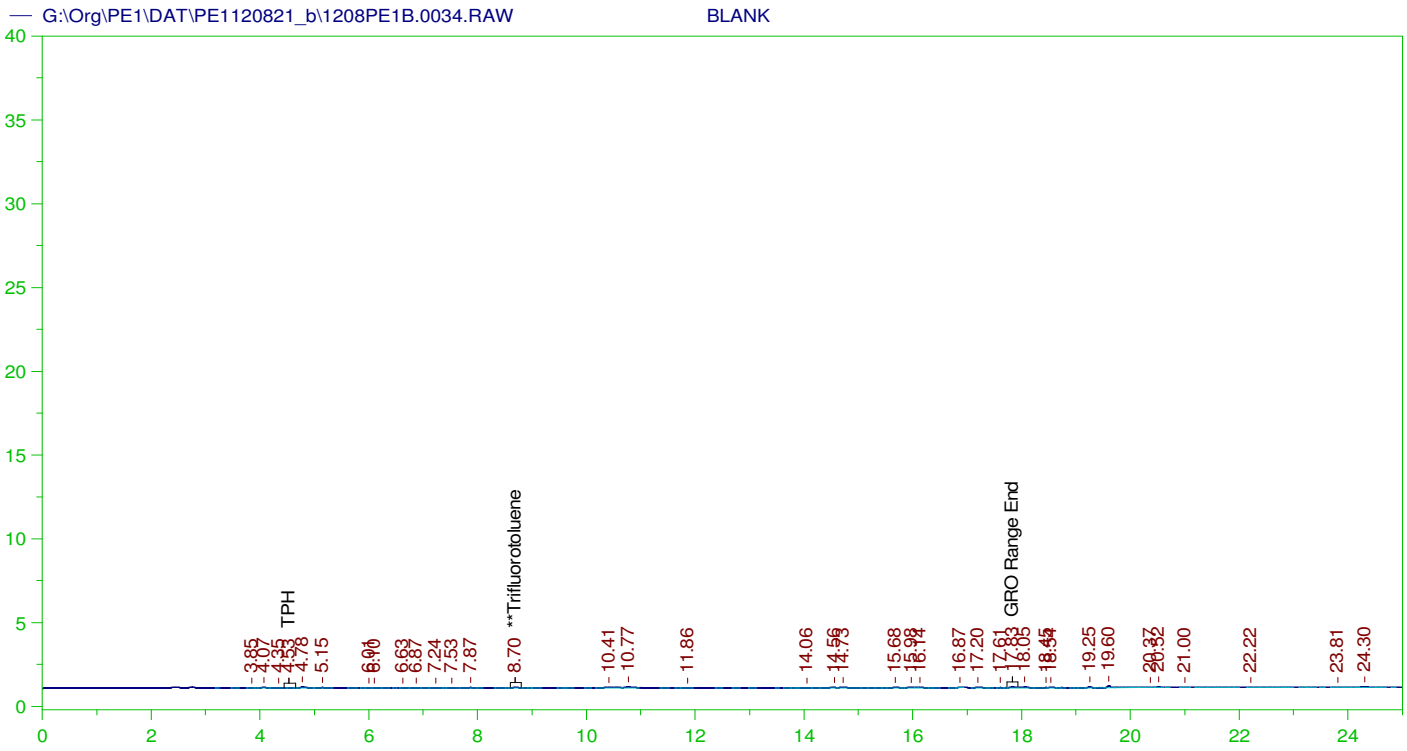
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.697	125.	116.009	92.81	-

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

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

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

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



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

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

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

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

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

Write Sequence 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

14-Jan-22

Run ID PE 1_211214A

Run Start Date:	12/14/2021
Analyst:	Josie Pickard
Ical:	0
Column ID:	Rtx-502.2
Comments:	Manually added numbers that are above the MDL and below the LOD per QA and client request

Std ID	Std Name	Std Amount	Std Units	Samp Amount	Samp Units	SampType	Expiration Date
GAS210122	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
TFT211214	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
14924527	CCV_1214PE10	HC-8015-GRO-	SAMP		12/14/2021 10:3	1	R371801		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	243.7976	243.7976		0	0	0	2.32	20	0	0%	0	0	0%	
Gasoline Range Organics (GRO)	A	ug/L	243.7976	243.7976		0	0	0	2.32	20	0	0%	0	0	0%	
Total Purgeable Hydrocarbons	A	ug/L	254.4706	254.4706		0	0	0	3.56	20	0	0%	0	0	0%	
Trifluorotoluene	S	ug/L	21.27413	21.27413		25	0	0	0.0743	1	0	85%	70	130	0%	
GRO as Gasoline	X	ug/L	243.7976	243.7976		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
14924528	CCV_1214PE10	HC-8015-GRO-	CCV		12/14/2021 11:0	1	R371801		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	174.1291	174.1291		168	0	0	2.32	20	0	104%	80	120	0%	
Gasoline Range Organics (GRO)	A	ug/L	174.1291	174.1291		168	0	0	2.32	20	0	104%	80	120	0%	
Total Purgeable Hydrocarbons	A	ug/L	207.7519	207.7519		200	0	0	3.56	20	0	104%	80	120	0%	
Trifluorotoluene	S	ug/L	24.6806	24.6806		25	0	0	0.0743	1	0	99%	80	120	0%	
GRO as Gasoline	X	ug/L	174.1291	174.1291		168	0	0	2.32	20	0	104%	0	0	0%	S

1

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14924528	CCV_1214PE10	HC-8015-GRO-	CCV		12/14/2021 11:0	1	R371801		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
14924529	LCS_1214PE10	HC-8015-GRO-	LCS		12/14/2021 11:3	1	R371801		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	178.3508	178.3508		170	0	0	2.32	20	0	105%	78	122	0%	
Gasoline Range Organics (GRO)	A	ug/L	178.3508	178.3508		170	0	0	2.32	20	0	105%	70	130	0%	
Total Purgeable Hydrocarbons	A	ug/L	215.9348	215.9348		200	0	0	3.56	20	0	108%	70	130	0%	
Trifluorotoluene	S	ug/L	23.67013	23.67013		25	0	0	0.0743	1	0	95%	70	130	0%	
GRO as Gasoline	X	ug/L	178.3508	178.3508		170	0	0	2.32	20	0	105%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14924530	MBLK_1214PE	HC-8015-GRO-	MBLK		12/14/2021 12:1	1	R371801		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	0	0		0	0	0	2.32	10	0	0%	0	0	0%	
Gasoline Range Organics (GRO)	A	ug/L	0	0		0	0	0	2.32	10	0	0%	0	0	0%	
Total Purgeable Hydrocarbons	A	ug/L	2.072764	0		0	0	0	3.56	10	0	0%	0	0	0%	
Trifluorotoluene	S	ug/L	21.1599	21.1599		25	0	0	0.0743	1	0	85%	70	130	0%	
GRO as Gasoline	X	ug/L	0	0		0	0	0	2.32	10	0	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14924531	B21121001-001	HC-8015-GRO-	SAMP		12/14/2021 12:4	1	R371801		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Gasoline Range Organics (GRO)	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	20.72496	20.72496		25	0	0	0.0743	1	0	83%	70	130	0%	
GRO as Gasoline	X	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14924532	B21121001-003	HC-8015-GRO-	SAMP		12/14/2021 1:57:	1	R371801		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Gasoline Range Organics (GRO)	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	21.01412	21.01412		25	0	0	0.0743	1	0	84%	70	130	0%	
GRO as Gasoline	X	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14924533	B21121001-005	HC-8015-GRO-	SAMP		12/14/2021 2:31:	1	R371801		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Gasoline Range Organics (GRO)	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	21.18093	21.18093		25	0	0	0.0743	1	0	85%	70	130	0%	
GRO as Gasoline	X	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14924534	B21121012-003	HC-8015-GRO-	SAMP		12/14/2021 3:05:	1	R371801		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Gasoline Range Organics (GRO)	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	20.76829	20.76829		25	0	0	0.0743	1	0	83%	70	130	0%	
GRO as Gasoline	X	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14924535	B21121014-002	HC-8015-GRO-	SAMP		12/14/2021 3:39:	1	R371801		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Gasoline Range Organics (GRO)	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	20.73499	20.73499		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
14924535	B21121014-002	HC-8015-GRO-	SAMP		12/14/2021 3:39:	1	R371801		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
GRO as Gasoline	X	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14924536	B21121019-005	HC-8015-GRO-	SAMP		12/14/2021 4:13:	1	R371801		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Gasoline Range Organics (GRO)	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	20.65929	20.65929		25	0	0	0.0743	1	0	83%	70	130	0%	
GRO as Gasoline	X	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14924537	B21121019-007	HC-8015-GRO-	SAMP		12/14/2021 4:48:	1	R371801		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Gasoline Range Organics (GRO)	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	20.89695	20.89695		25	0	0	0.0743	1	0	84%	70	130	0%	
GRO as Gasoline	X	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14924538	B21121019-008	HC-8015-GRO-	SAMP		12/14/2021 5:22:	1	R371801		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Gasoline Range Organics (GRO)	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	21.31334	21.31334		25	0	0	0.0743	1	0	85%	70	130	0%	
GRO as Gasoline	X	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14924539	B21121020-003	HC-8015-GRO-	SAMP		12/14/2021 5:56:	1	R371801		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Gasoline Range Organics (GRO)	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	20.99908	20.99908		25	0	0	0.0743	1	0	84%	70	130	0%	
GRO as Gasoline	X	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14924540	B21121020-005	HC-8015-GRO-	SAMP		12/14/2021 6:31:	1	R371801		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Gasoline Range Organics (GRO)	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	21.21135	21.21135		25	0	0	0.0743	1	0	85%	70	130	0%	
GRO as Gasoline	X	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14924541	B21121001-001	HC-8015-GRO-	MS		12/14/2021 7:05:	1	R371801		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	162.207	162.207		170	0	0	2.32	20	0	95%	78	122	0%	
Gasoline Range Organics (GRO)	A	ug/L	162.207	162.207		170	0	0	2.32	20	0	95%	70	130	0%	
Total Purgeable Hydrocarbons	A	ug/L	197.711	197.711		200	0	0	3.56	20	0	99%	70	130	0%	
Trifluorotoluene	S	ug/L	22.91775	22.91775		25	0	0	0.0743	1	0	92%	70	130	0%	
GRO as Gasoline	X	ug/L	162.207	162.207		0	0	0	2.32	20	0	0%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14924542	B21121001-001	HC-8015-GRO-	MSD		12/14/2021 7:39:	1	R371801		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	171.4733	171.4733		170	0	162.207	2.32	20	0	101%	78	122	6%	
Gasoline Range Organics (GRO)	A	ug/L	171.4733	171.4733		170	0	162.207	2.32	20	0	101%	70	130	6%	
Total Purgeable Hydrocarbons	A	ug/L	209.5279	209.5279		200	0	197.711	3.56	20	0	105%	70	130	6%	
Trifluorotoluene	S	ug/L	23.53382	23.53382		25	0	0	0.0743	1	0	94%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14924542	B21121001-001	HC-8015-GRO-	MSD		12/14/2021 7:39:	1	R371801		1E+07	1E+07	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
GRO as Gasoline	X	ug/L	171.4733	171.4733		0	0	162.207	2.32	20	0	0%	70	130	6%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14924543	CCV_1214PE12	HC-8015-GRO-	SAMP		12/14/2021 8:48:	1	R371801		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	243.3548	243.3548		0	0	0	2.32	20	0	0%	0	0	0%	
Gasoline Range Organics (GRO)	A	ug/L	243.3548	243.3548		0	0	0	2.32	20	0	0%	0	0	0%	
Total Purgeable Hydrocarbons	A	ug/L	253.6284	253.6284		0	0	0	3.56	20	0	0%	0	0	0%	
Trifluorotoluene	S	ug/L	20.52071	20.52071		25	0	0	0.0743	1	0	82%	70	130	0%	
GRO as Gasoline	X	ug/L	243.3548	243.3548		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
14924544	CCV_1214PE12	HC-8015-GRO-	CCV		12/14/2021 9:22:	1	R371801		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	164.5254	164.5254		168	0	0	2.32	20	0	98%	80	120	0%	
Gasoline Range Organics (GRO)	A	ug/L	164.5254	164.5254		168	0	0	2.32	20	0	98%	80	120	0%	
Total Purgeable Hydrocarbons	A	ug/L	196.3156	196.3156		200	0	0	3.56	20	0	98%	80	120	0%	
Trifluorotoluene	S	ug/L	22.90109	22.90109		25	0	0	0.0743	1	0	92%	80	120	0%	
GRO as Gasoline	X	ug/L	164.5254	164.5254		168	0	0	2.32	20	0	98%	0	0	0%	S

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14924545	LCS_1214PE12	HC-8015-GRO-	LCS		12/14/2021 9:57:	1	R371801		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	170.5334	170.5334		170	0	0	2.32	20	0	100%	78	122	0%	
Gasoline Range Organics (GRO)	A	ug/L	170.5334	170.5334		170	0	0	2.32	20	0	100%	70	130	0%	
Total Purgeable Hydrocarbons	A	ug/L	206.7315	206.7315		200	0	0	3.56	20	0	103%	70	130	0%	
Trifluorotoluene	S	ug/L	22.98877	22.98877		25	0	0	0.0743	1	0	92%	70	130	0%	
GRO as Gasoline	X	ug/L	170.5334	170.5334		170	0	0	2.32	20	0	100%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14924546	MBLK_1214PE	HC-8015-GRO-	MBLK		12/14/2021 10:3	1	R371801		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	0	0		0	0	0	2.32	10	0	0%	0	0	0%	
Gasoline Range Organics (GRO)	A	ug/L	0	0		0	0	0	2.32	10	0	0%	0	0	0%	
Total Purgeable Hydrocarbons	A	ug/L	2.103211	0		0	0	0	3.56	10	0	0%	0	0	0%	
Trifluorotoluene	S	ug/L	20.36718	20.36718		25	0	0	0.0743	1	0	81%	70	130	0%	
GRO as Gasoline	X	ug/L	0	0		0	0	0	2.32	10	0	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14924547	B21121001-002	HC-8015-GRO-	SAMP		12/14/2021 11:0	1	R371801		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	158.8251	158.8251		0	0	0	2.32	20	0	0%	0	0	0%	
Gasoline Range Organics (GRO)	A	ug/L	158.8251	158.8251		0	0	0	2.32	20	0	0%	0	0	0%	
Total Purgeable Hydrocarbons	A	ug/L	1571.36	1571.36		0	0	0	3.56	20	0	0%	0	0	0%	
Trifluorotoluene	S	ug/L	20.53585	20.53585		25	0	0	0.0743	1	0	82%	70	130	0%	
GRO as Gasoline	X	ug/L	158.8251	158.8251		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
14924548	B21121012-001	HC-8015-GRO-	SAMP		12/15/2021 12:1	1	R371801		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Gasoline Range Organics (GRO)	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	21.04171	21.04171		25	0	0	0.0743	1	0	84%	70	130	0%	
GRO as Gasoline	X	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14924549	B21121014-001	HC-8015-GRO-	SAMP		12/15/2021 1:23:	1	R371801		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Gasoline Range Organics (GRO)	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	20.34109	20.34109		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
14924549	B21121014-001	HC-8015-GRO-	SAMP		12/15/2021 1:23:	1	R371801		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
GRO as Gasoline	X	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14924550	B21121019-001	HC-8015-GRO-	SAMP		12/15/2021 2:31:	1	R371801		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Gasoline Range Organics (GRO)	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	20.03188	20.03188		25	0	0	0.0743	1	0	80%	70	130	0%	
GRO as Gasoline	X	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14924551	B21121019-002	HC-8015-GRO-	SAMP		12/15/2021 3:40:	1	R371801		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Gasoline Range Organics (GRO)	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	20.00775	20.00775		25	0	0	0.0743	1	0	80%	70	130	0%	
GRO as Gasoline	X	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14924552	B21121019-003	HC-8015-GRO-	SAMP		12/15/2021 4:49:	1	R371801		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Gasoline Range Organics (GRO)	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	20.66729	20.66729		25	0	0	0.0743	1	0	83%	70	130	0%	
GRO as Gasoline	X	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14924553	B21121020-001	HC-8015-GRO-	SAMP		12/15/2021 5:57:	1	R371801		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Gasoline Range Organics (GRO)	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	36.3026	36.3026		0	0	0	3.56	20	0	0%	0	0	0%	
Trifluorotoluene	S	ug/L	18.84353	18.84353		25	0	0	0.0743	1	0	75%	70	130	0%	
GRO as Gasoline	X	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14924554	B21121020-002	HC-8015-GRO-	SAMP		12/15/2021 7:06:	1	R371801		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	12.49497	12.49497		0	0	0	2.32	20	0	0%	0	0	0%	J
Gasoline Range Organics (GRO)	A	ug/L	12.49497	12.49497		0	0	0	2.32	20	0	0%	0	0	0%	J
Total Purgeable Hydrocarbons	A	ug/L	237.2854	237.2854		0	0	0	3.56	20	0	0%	0	0	0%	
Trifluorotoluene	S	ug/L	19.68437	19.68437		25	0	0	0.0743	1	0	79%	70	130	0%	
GRO as Gasoline	X	ug/L	12.49497	12.49497		0	0	0	2.32	20	0	0%	0	0	0%	J

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14924555	CCV_1214PE14	HC-8015-GRO-	SAMP		12/15/2021 8:14:	1	R371801		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	226.3383	226.3383		168	0	0	2.32	20	0	135%	0	0	0%	S
Gasoline Range Organics (GRO)	A	ug/L	226.3383	226.3383		168	0	0	2.32	20	0	135%	0	0	0%	S
Total Purgeable Hydrocarbons	A	ug/L	236.0042	236.0042		200	0	0	3.56	20	0	118%	0	0	0%	S
Trifluorotoluene	S	ug/L	19.88541	19.88541		25	0	0	0.0743	1	0	80%	70	130	0%	
GRO as Gasoline	X	ug/L	226.3383	226.3383		168	0	0	2.32	20	0	135%	0	0	0%	S

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14924556	CCV_1214PE14	HC-8015-GRO-	CCV		12/15/2021 8:49:	1	R371801		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	160.2079	160.2079		168	0	0	2.32	20	0	95%	80	120	0%	
Gasoline Range Organics (GRO)	A	ug/L	160.2079	160.2079		168	0	0	2.32	20	0	95%	80	120	0%	
Total Purgeable Hydrocarbons	A	ug/L	192.5325	192.5325		200	0	0	3.56	20	0	96%	80	120	0%	
Trifluorotoluene	S	ug/L	22.64836	22.64836		25	0	0	0.0743	1	0	91%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14924556	CCV_1214PE14	HC-8015-GRO-	CCV		12/15/2021 8:49:	1	R371801		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
GRO as Gasoline	X	ug/L	160.2079	160.2079		168	0	0	2.32	20	0	95%	0	0	0%	S

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\PE1121421_b\1214PE1.01r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0
G:\Org\PE1\DAT\PE1121421_b\1214PE1.02r	CCV_1214PE102r, GQC ;1214PE1 ,	G:\Org\PE1\Methods\21120	1	1	1	1	0
G:\Org\PE1\DAT\PE1121421_b\1214PE1.03r	CCV_1214PE103r, GQC ;1214PE1 ,	G:\Org\PE1\Methods\21120	1	1	1	1	0
G:\Org\PE1\DAT\PE1121421_b\1214PE1.04r	LCS_1214PE104r, GQC ;1214PE1 ,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1121421_b\1214PE1.05r	MBLK_1214PE105r, QC ;1214PE1 ,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1121421_b\1214PE1.06r	B21121001-001C ;1214PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1121421_b\1214PE1.07r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0
G:\Org\PE1\DAT\PE1121421_b\1214PE1.08r	B21121001-003A ;1214PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1121421_b\1214PE1.09r	B21121001-005A ;1214PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1121421_b\1214PE1.10r	B21121012-003A ;1214PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1121421_b\1214PE1.11r	B21121014-002A ;1214PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1121421_b\1214PE1.12r	B21121019-005A ;1214PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1121421_b\1214PE1.13r	B21121019-007A ;1214PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1121421_b\1214PE1.14r	B21121019-008A ;1214PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1121421_b\1214PE1.15r	B21121020-003A ;1214PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1121421_b\1214PE1.16r	B21121020-005A ;1214PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1121421_b\1214PE1.17r	B21121001-001CMS, GQC ;1214PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1121421_b\1214PE1.18r	B21121001-001CMSD, GQC ;1214PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1121421_b\1214PE1.19r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0
G:\Org\PE1\DAT\PE1121421_b\1214PE1.20r	CCV_1214PE120r, GQC ;1214PE1 ,	G:\Org\PE1\Methods\21120	1	1	1	1	0
G:\Org\PE1\DAT\PE1121421_b\1214PE1.21r	CCV_1214PE121r, GQC ;1214PE1 ,	G:\Org\PE1\Methods\21120	1	1	1	1	0
G:\Org\PE1\DAT\PE1121421_b\1214PE1.22r	LCS_1214PE122r, GQC ;1214PE1 ,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1121421_b\1214PE1.23r	MBLK_1214PE123r, QC ;1214PE1 ,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1121421_b\1214PE1.24r	B21121001-002C ;1214PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0
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G:\Org\PE1\DAT\PE1121421_b\1214PE1.26r	B21121012-001C ;1214PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0
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G:\Org\PE1\DAT\PE1121421_b\1214PE1.29r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0
G:\Org\PE1\DAT\PE1121421_b\1214PE1.30r	B21121019-001C ;1214PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0
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G:\Org\PE1\DAT\PE1121421_b\1214PE1.32r	B21121019-002C ;1214PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1121421_b\1214PE1.33r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0
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G:\Org\PE1\DAT\PE1121421_b\1214PE1.35r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0
G:\Org\PE1\DAT\PE1121421_b\1214PE1.36r	B21121020-001C ;1214PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1121421_b\1214PE1.37r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0
G:\Org\PE1\DAT\PE1121421_b\1214PE1.38r	B21121020-002C ;1214PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0
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G:\Org\PE1\DAT\PE1121421_b\1214PE1.41r	CCV_1214PE141r, GQC ;1214PE1 ,	G:\Org\PE1\Methods\21120	1	1	1	1	0
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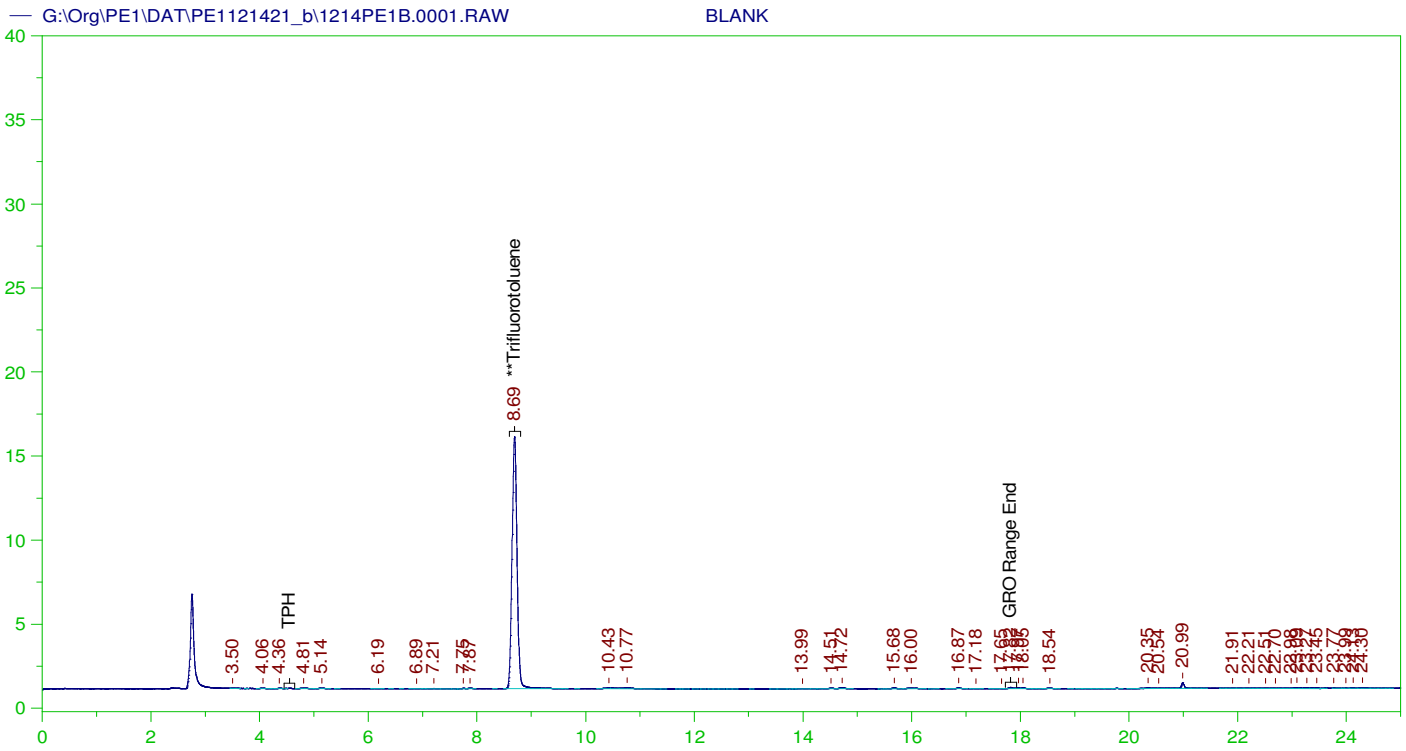


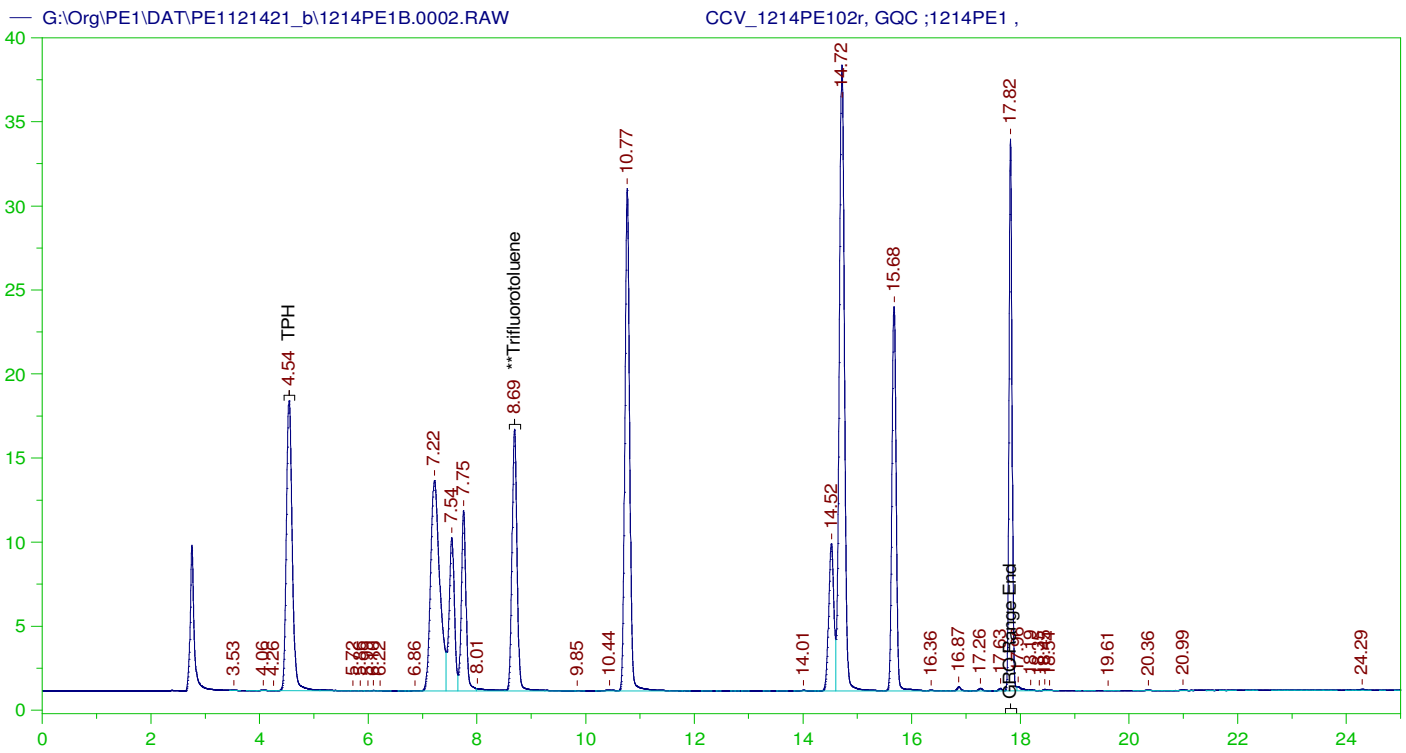
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
Raw File: G:\Org\PE1\DAT\PE1121421_b\1214PE1B.0001.RAW
Date & Time Acquired: 12/14/2021 9:57:13 AM
Method File: G:\Org\PE1\Methods\211208GROB.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

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

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.692	125.	101.669	81.33	-

GRO Area:4638.14 GRO Amount: 4.903064
TPH Area:8997.167 TPH Amount: 9.893613



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_1214PE102r, GQC ;1214PE1 ,
Raw File: G:\Org\PE1\DAT\PE1121421_b\1214PE1B.0002.RAW
Date & Time Acquired: 12/14/2021 10:31:29 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

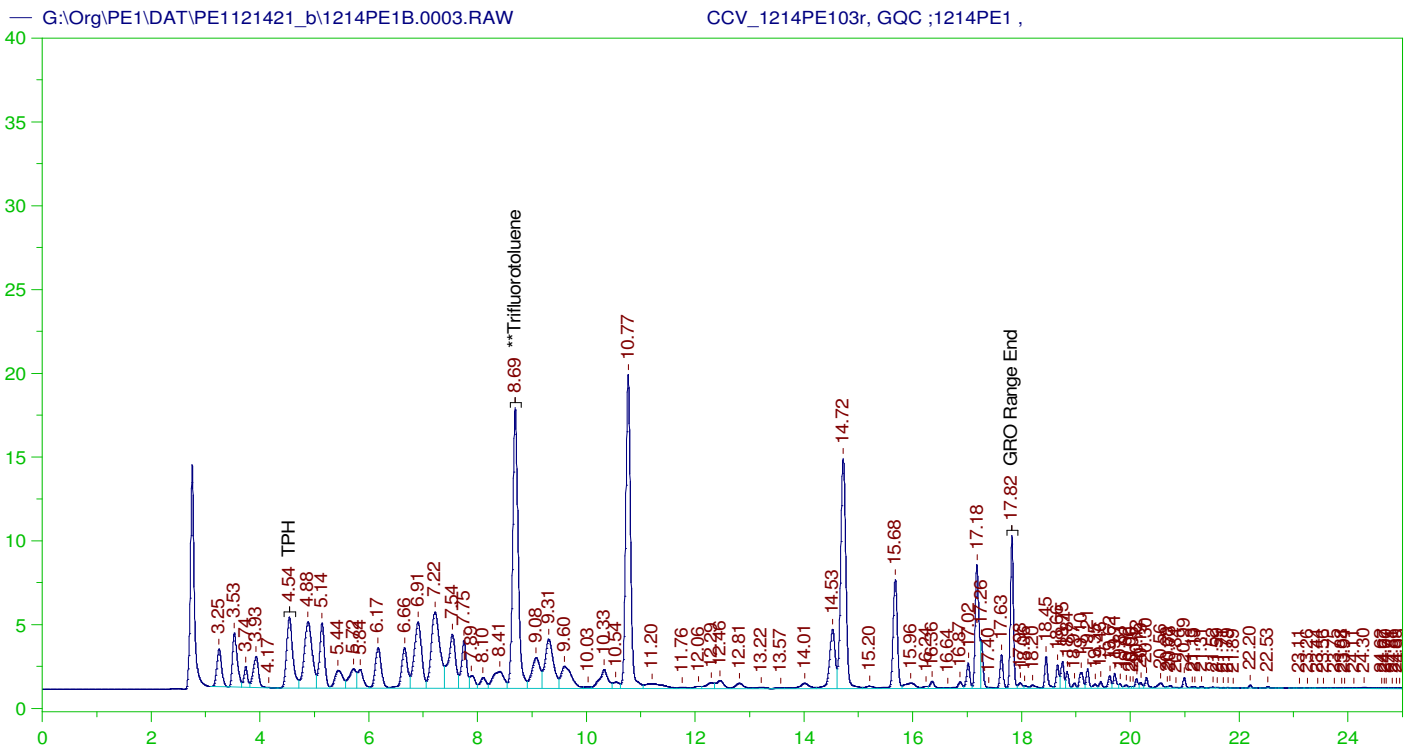
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.691	125.	106.371	85.1	-

GRO Area:1153123 GRO Amount: 1218.988
TPH Area:1157067 TPH Amount: 1272.353

CONTINUING CALIBRATION REPORT: G:\Org\PE1\DAT\PE1121421_b\1214PE1B.0002.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
GRO	840.	1218.99	145.12	85-115
TPH	1000.	1272.35	127.24	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	8.691	125.	106.371	85.1	85-115



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_1214PE103r, GQC ;1214PE1 ,
Raw File: G:\Org\PE1\DAT\PE1121421_b\1214PE1B.0003.RAW
Date & Time Acquired: 12/14/2021 11:05:45 AM
Method File: G:\Org\PE1\Methods\211208GCCV1214_03B%.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	8.693	125.	123.403	98.72	-

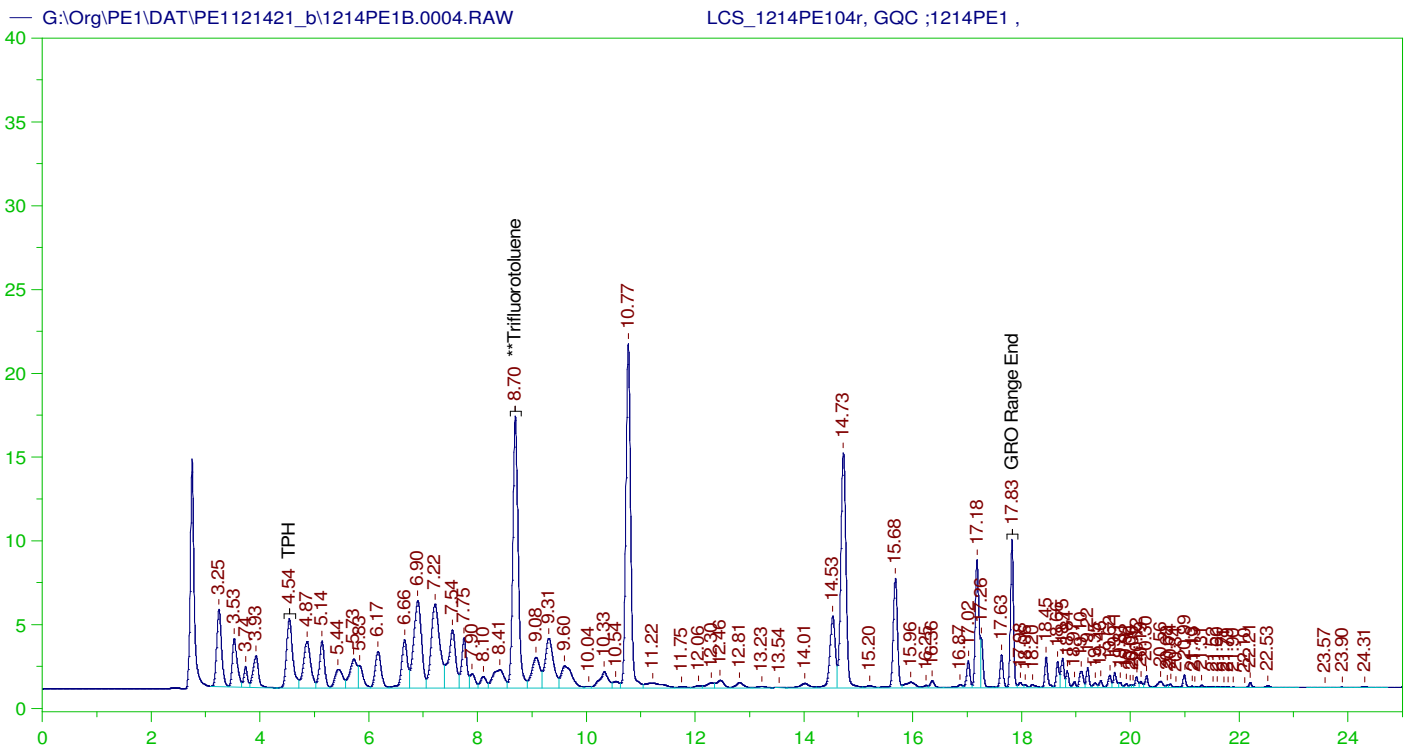
GRO Area:823602.6 GRO Amount: 870.6454
TPH Area:944638.9 TPH Amount: 1038.759

CONTINUING CALIBRATION REPORT: G:\Org\PE1\DAT\PE1121421_b\1214PE1B.0003.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
GRO	840.	870.65	103.65	85-115
TPH	1000.	1038.76	103.88	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	8.693	125.	123.403	98.72	85-115

G:\org\PE1\dat\PE1121421_b\Review\003_CCV_1214PE103r_211208GCCV1214_03B%.xls



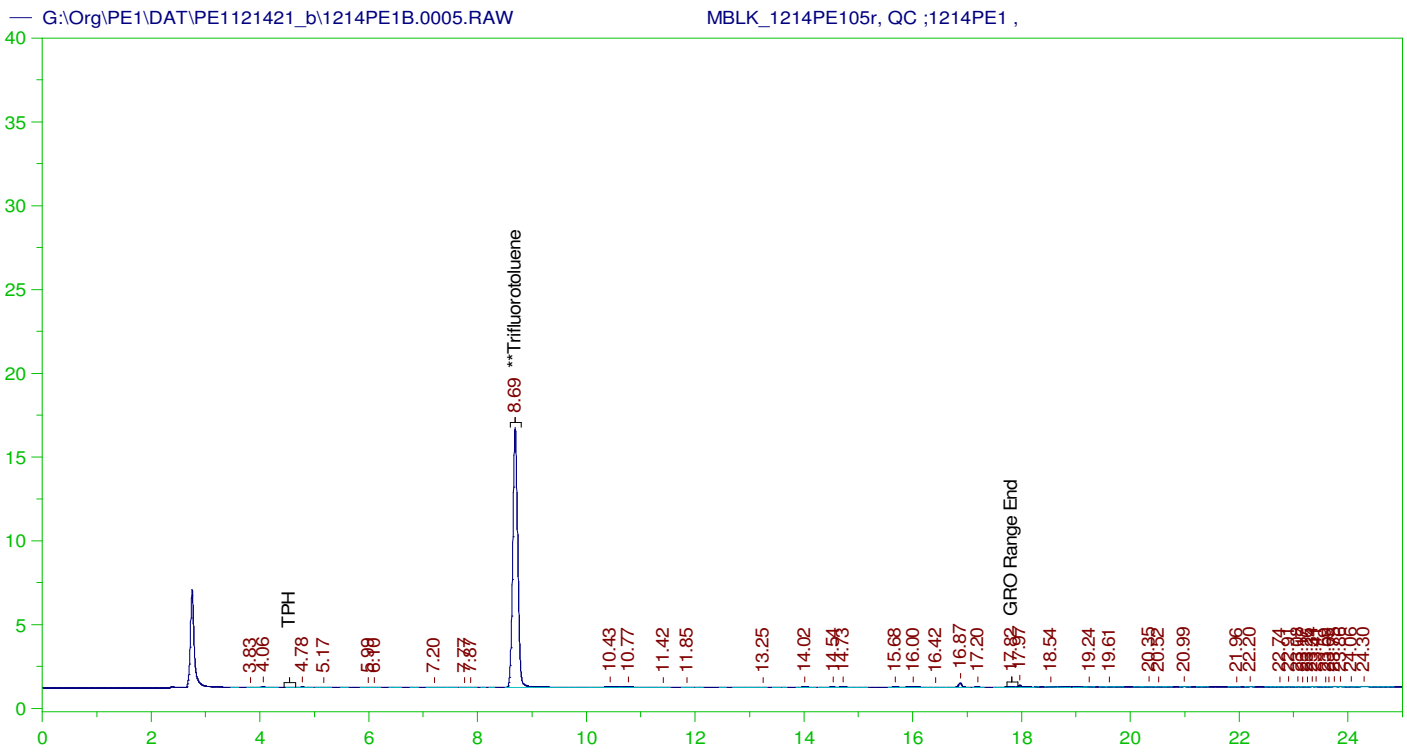
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: LCS_1214PE104r, GQC ;1214PE1 ,
Raw File: G:\Org\PE1\DAT\PE1121421_b\1214PE1B.0004.RAW
Date & Time Acquired: 12/14/2021 11:39:57 AM
Method File: G:\Org\PE1\Methods\211208GLCS1214_04B%.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	8.695	25.	23.67	94.68	-

GRO Area:843570.4 GRO Amount: 178.3508
TPH Area:981846.2 TPH Amount: 215.9348



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: MBLK_1214PE105r, QC ;1214PE1 ,
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Date & Time Acquired: 12/14/2021 12:14:16 PM
Method File: G:\Org\PE1\Methods\211208GROB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

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

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.692	25.	21.16	84.64	-

GRO Area:5883.91 GRO Amount: 1.243998
TPH Area:9424.77 TPH Amount: 2.072764

ERH2222 (RHMW08)

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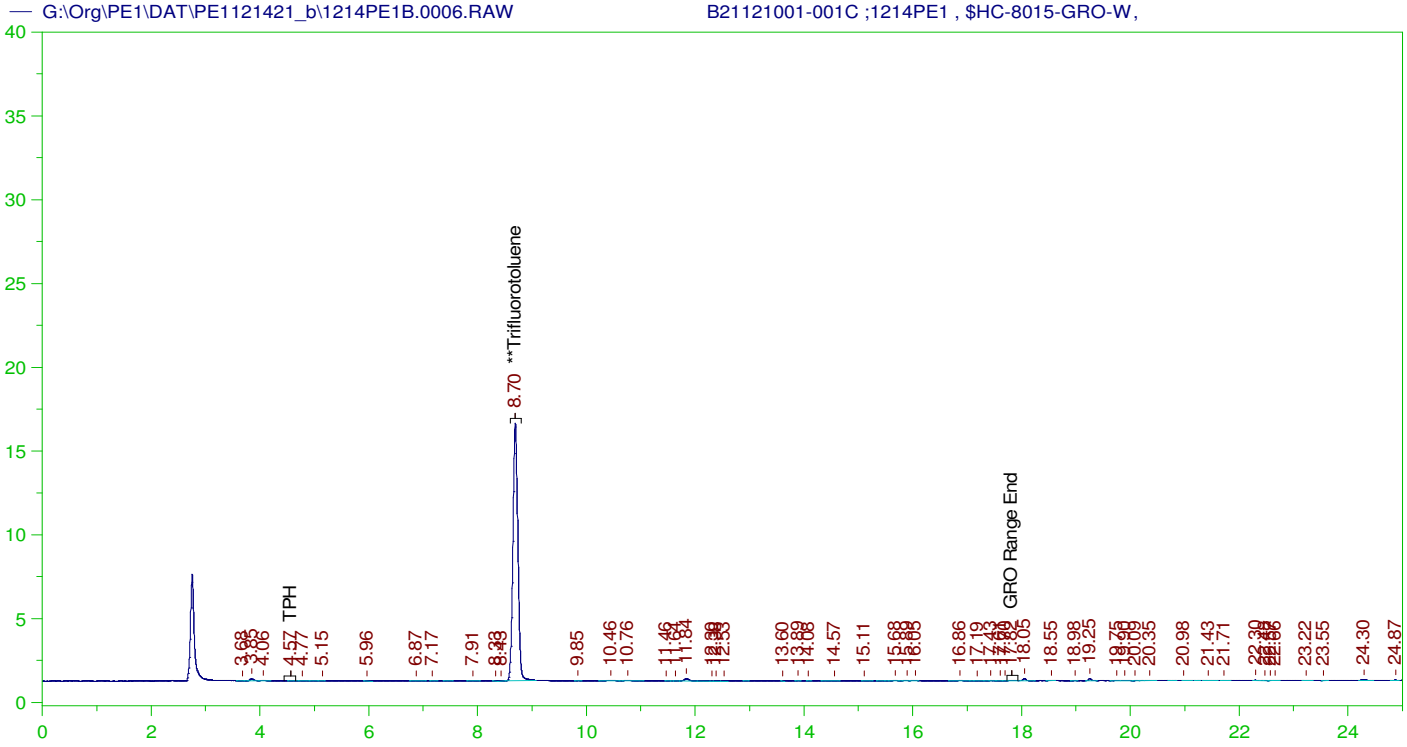


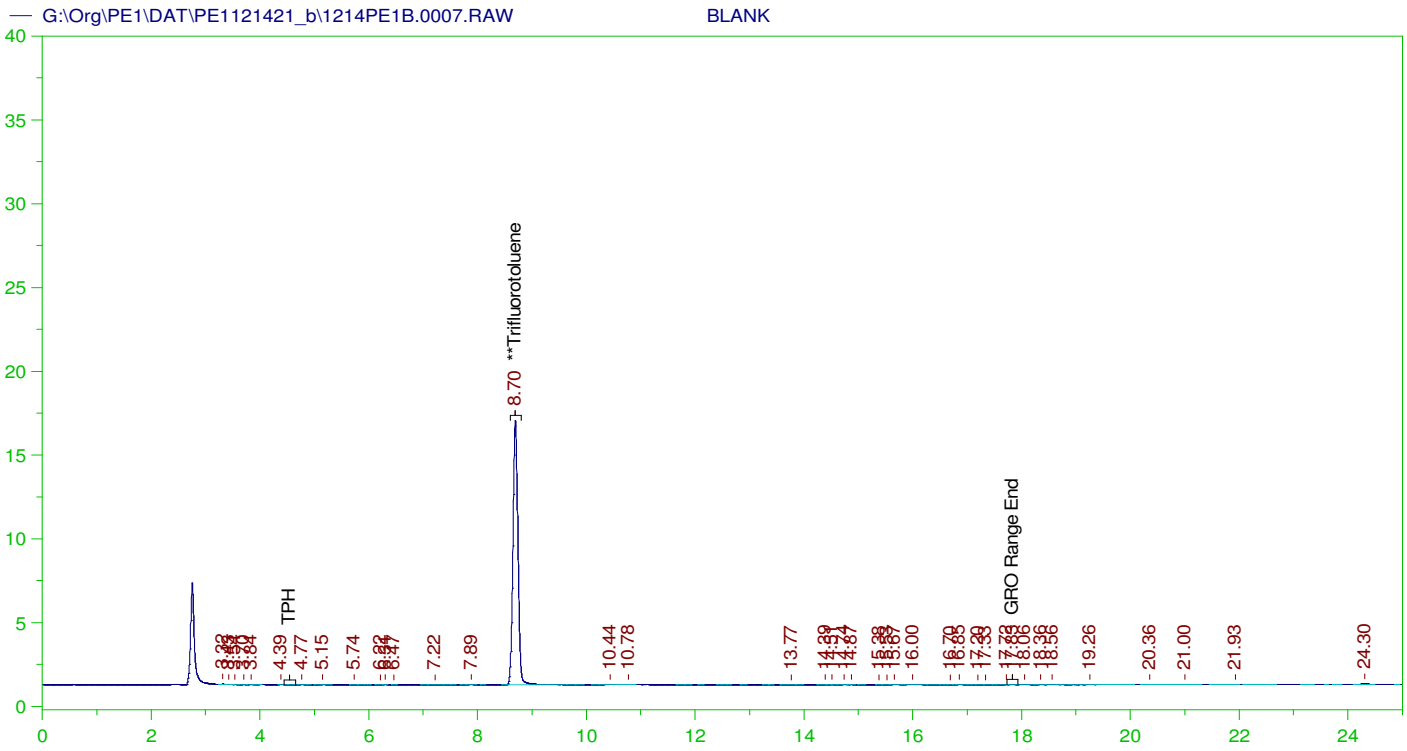
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B21121001-001C ;1214PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1121421_b\1214PE1B.0006.RAW
Date & Time Acquired: 12/14/2021 12:48:41 PM
Method File: G:\Org\PE1\Methods\211208G1001-1B%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

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

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.695	25.	20.725	82.9	-

GRO Area:6160.379 GRO Amount: 1.30245
TPH Area:10568.91 TPH Amount: 2.324391



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
Raw File: G:\Org\PE1\DAT\PE1121421_b\1214PE1B.0007.RAW
Date & Time Acquired: 12/14/2021 1:22:50 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.	106.998	85.6	-

GRO Area:3850.868 GRO Amount: 4.070824
TPH Area:6194.429 TPH Amount: 6.81162

ERH2221 (Trip Blank)-14525

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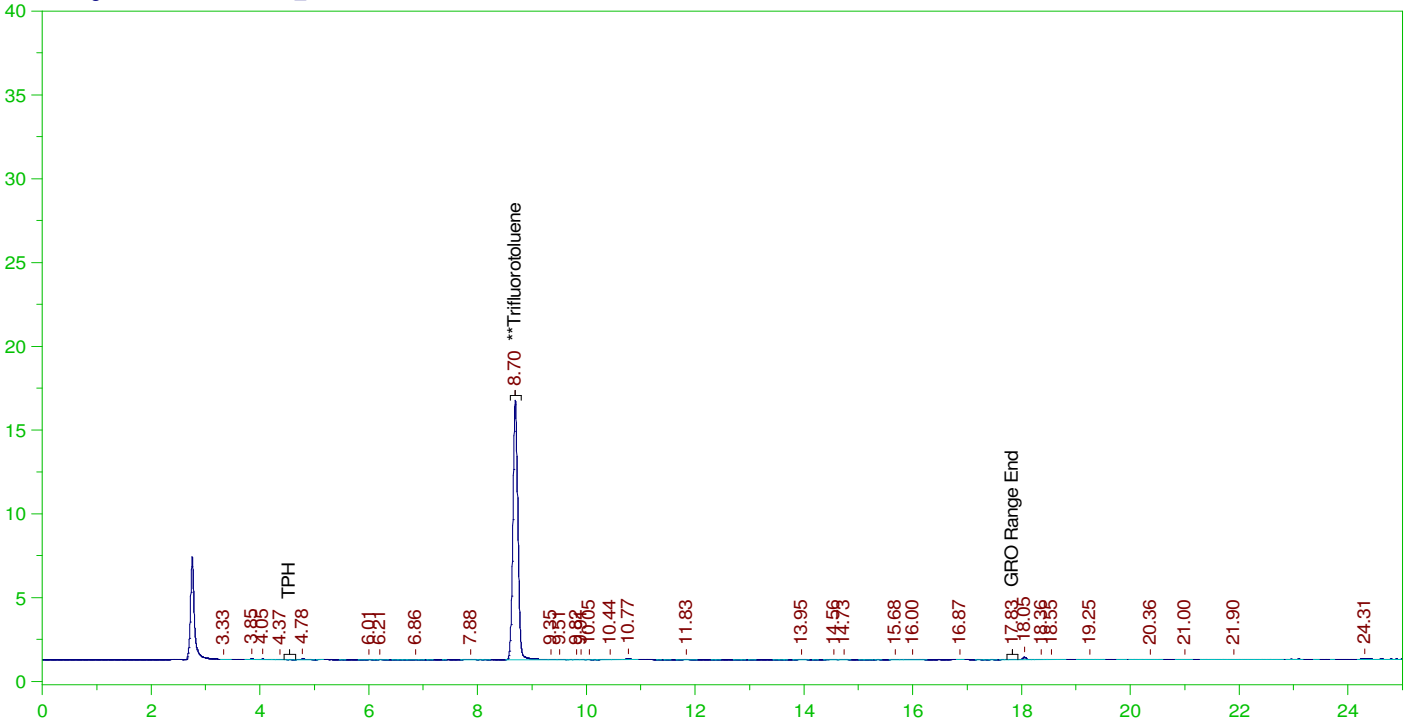

GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B21121001-003A ;1214PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1121421_b\1214PE1B.0008.RAW
Date & Time Acquired: 12/14/2021 1:57:00 PM
Method File: G:\Org\PE1\Methods\211208GROB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

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

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.695	25.	21.014	84.06	-

GRO Area:3436.029 GRO Amount: 0.726458
TPH Area:6253.827 TPH Amount: 1.375387

ERH2225 (Trip Blank)-14525

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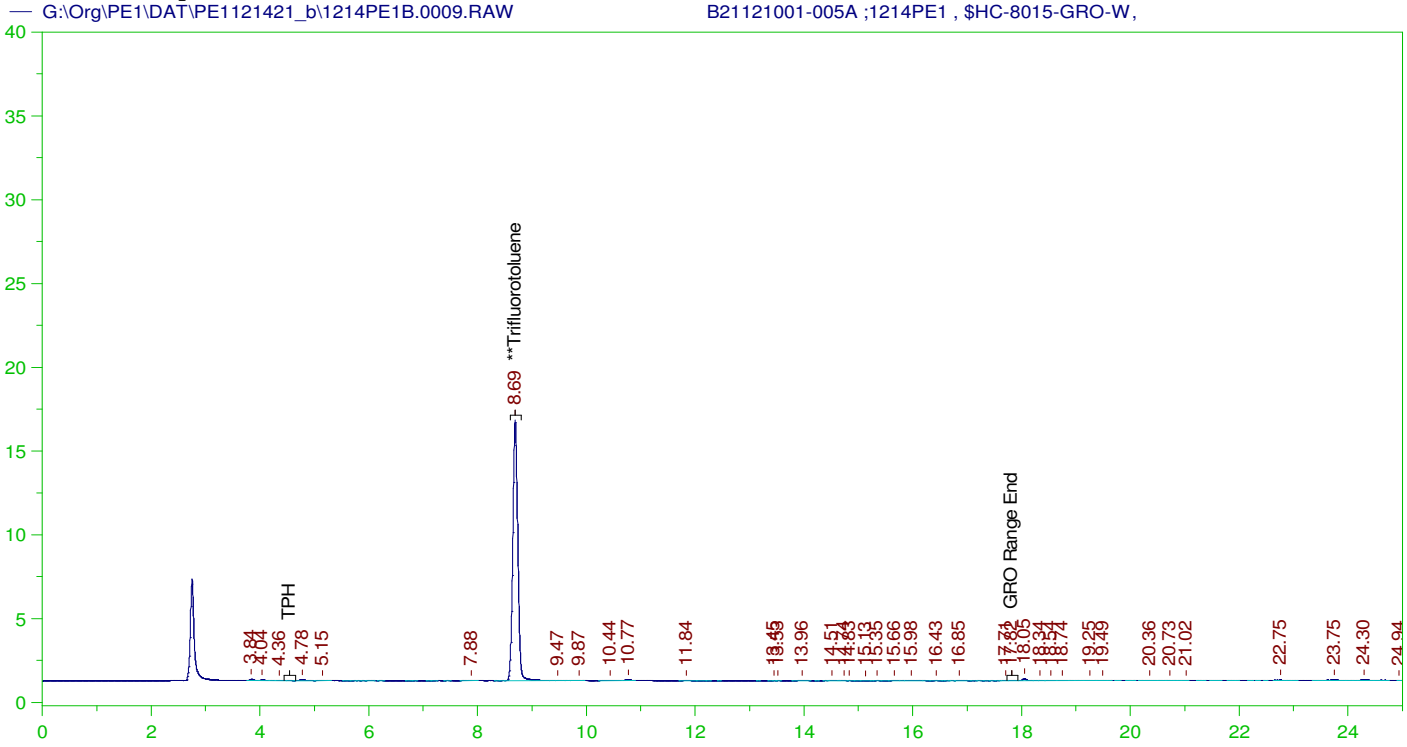

GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B21121001-005A ;1214PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1121421_b\1214PE1B.0009.RAW
Date & Time Acquired: 12/14/2021 2:31:12 PM
Method File: G:\Org\PE1\Methods\211208GROB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

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

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.693	25.	21.181	84.72	-

GRO Area:4198.438 GRO Amount: 0.8876492
TPH Area:7499.938 TPH Amount: 1.649441

ERH2223(Trip Blank)-14525

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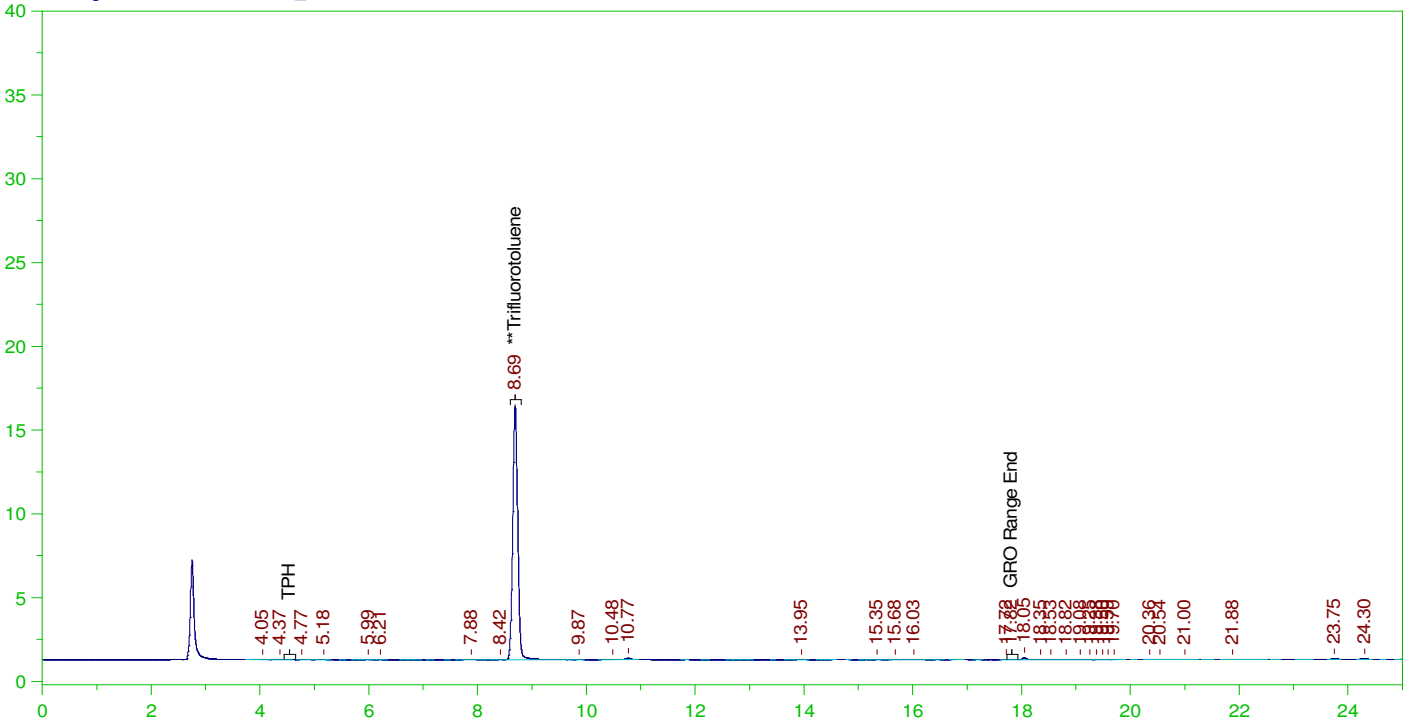


GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B21121012-003A ;1214PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1121421_b\1214PE1B.0010.RAW
Date & Time Acquired: 12/14/2021 3:05:24 PM
Method File: G:\Org\PE1\Methods\211208GROB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

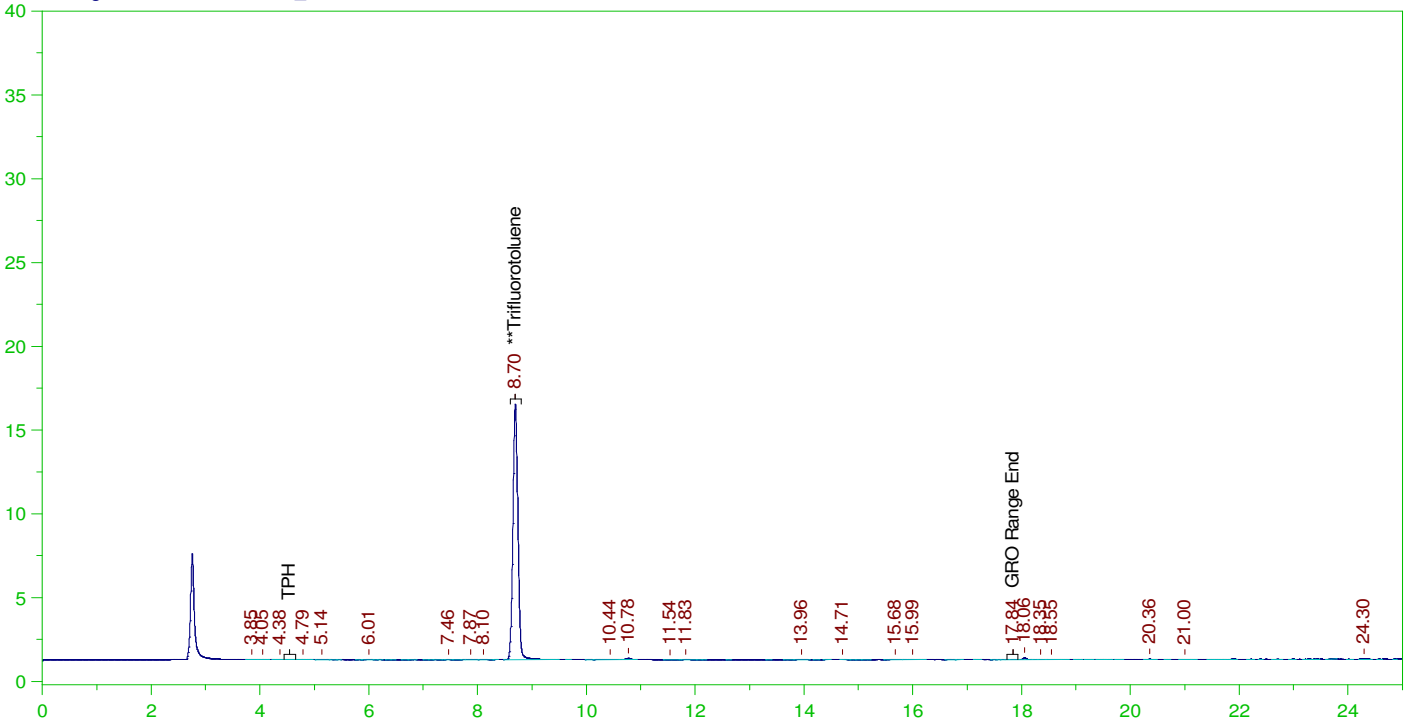
Mean RF for GRO: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.692	25.	20.768	83.07	-

GRO Area:3450.24 GRO Amount: 0.7294624
TPH Area:6456.167 TPH Amount: 1.419887

ERH2227 (Trip Blank)-14525

G:\Org\PE1\DAT\PE1121421_b\1214PE1B.0011.RAW B21121014-002A ;1214PE1 , $HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B21121014-002A ;1214PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1121421_b\1214PE1B.0011.RAW
Date & Time Acquired: 12/14/2021 3:39:40 PM
Method File: G:\Org\PE1\Methods\211208GROB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

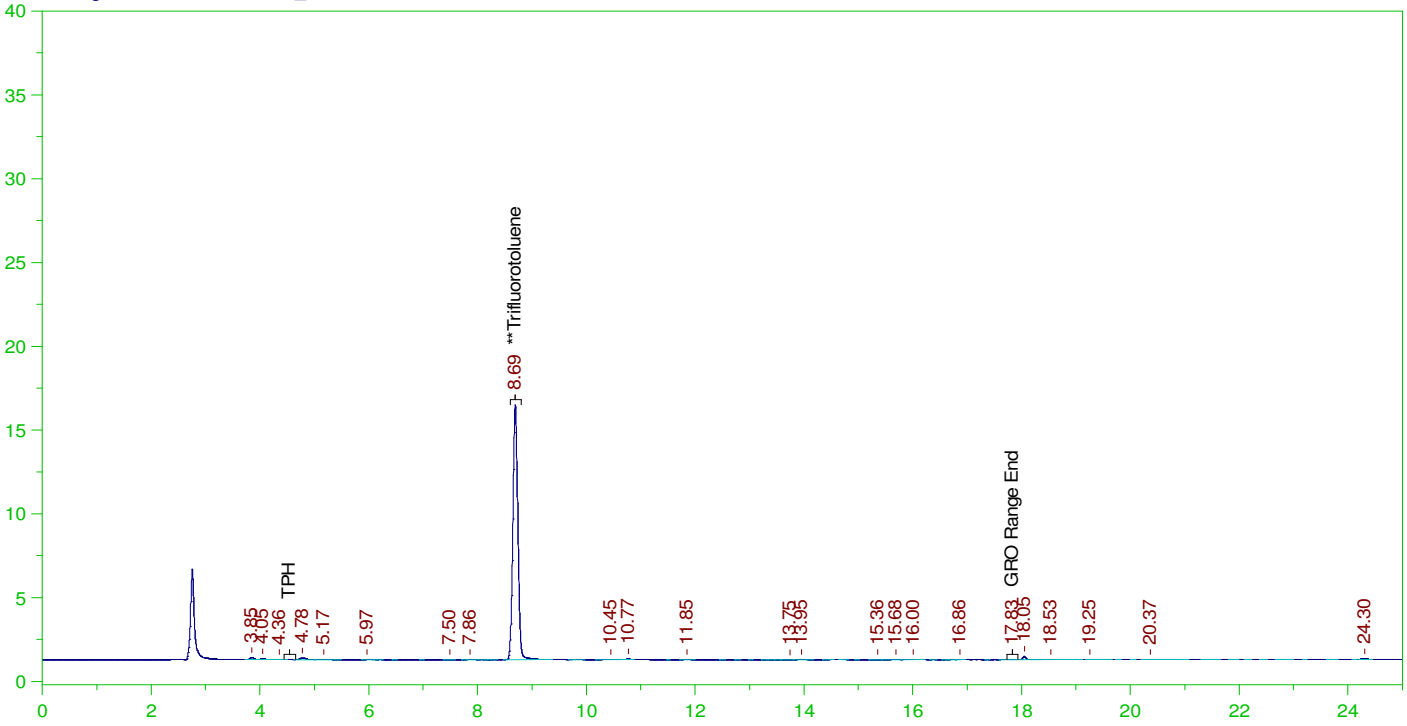
Mean RF for GRO: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.696	25.	20.735	82.94	-

GRO Area:3178.275 GRO Amount: 0.6719626
TPH Area:5328.856 TPH Amount: 1.171961

ERH2216 (Trip Blank)-14525

G:\Org\PE1\DAT\PE1121421_b\1214PE1B.0012.RAW B21121019-005A ;1214PE1 , $HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B21121019-005A ;1214PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1121421_b\1214PE1B.0012.RAW
Date & Time Acquired: 12/14/2021 4:13:57 PM
Method File: G:\Org\PE1\Methods\211208GROB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

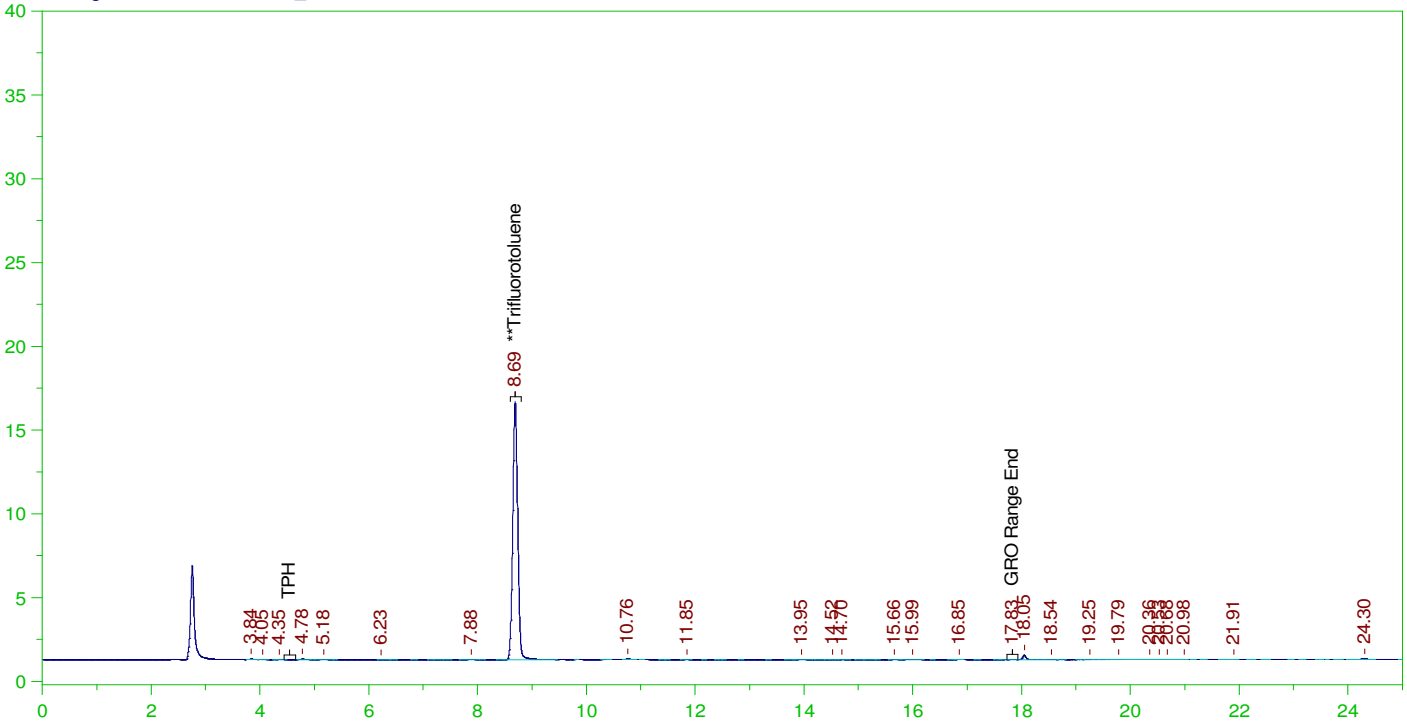
Mean RF for GRO: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.694	25.	20.659	82.64	-

GRO Area:3543.417 GRO Amount: 0.7491624
TPH Area:6676.974 TPH Amount: 1.468449

ERH2218 (Trip Blank)-14525

G:\Org\PE1\DAT\PE1121421_b\1214PE1B.0013.RAW B21121019-007A ;1214PE1 , $HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B21121019-007A ;1214PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1121421_b\1214PE1B.0013.RAW
Date & Time Acquired: 12/14/2021 4:48:18 PM
Method File: G:\Org\PE1\Methods\211208GROB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

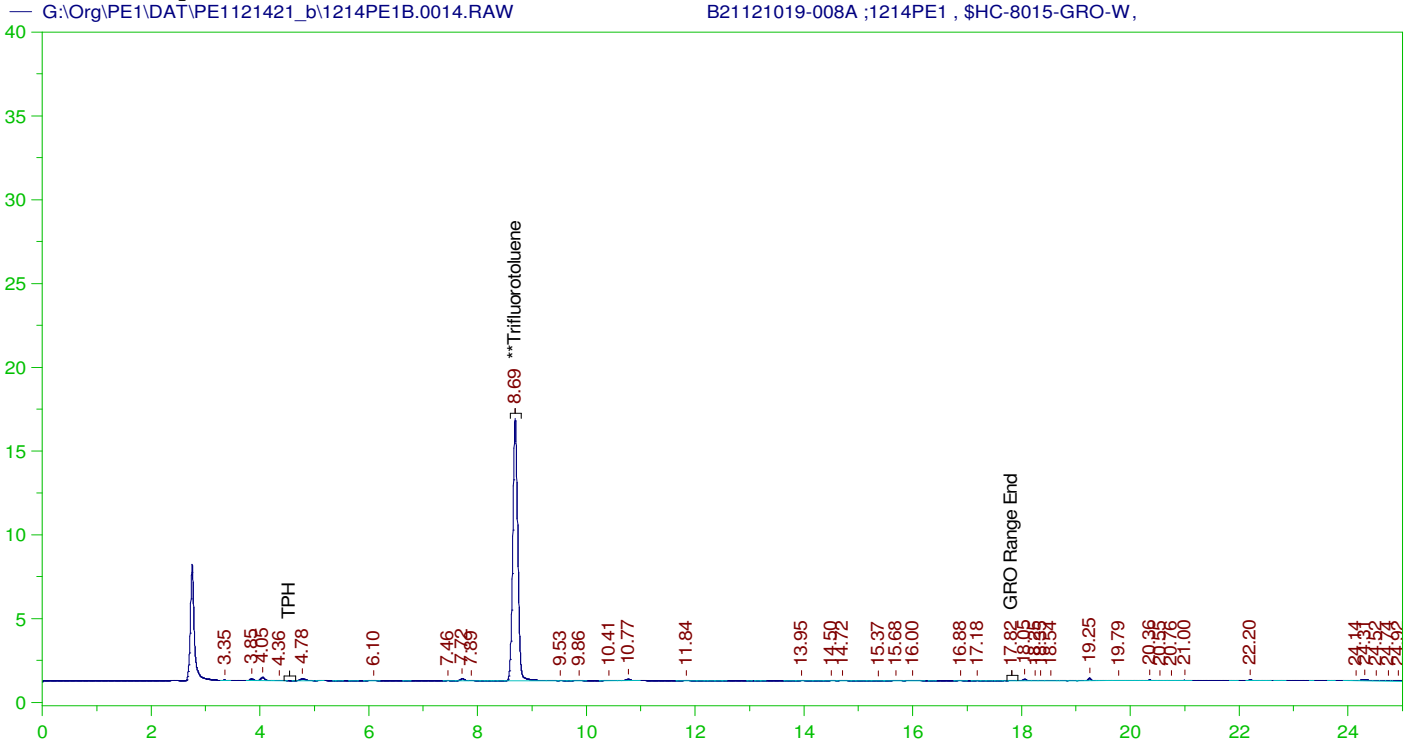
Mean RF for GRO: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.693	25.	20.897	83.59	-

GRO Area:2644.239 GRO Amount: 0.5590549
TPH Area:5792.757 TPH Amount: 1.273985

ERH2218 (Trip Blank)-Client Provided

G:\Org\PE1\DAT\PE1121421_b\1214PE1B.0014.RAW B21121019-008A ;1214PE1 , $HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B21121019-008A ;1214PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1121421_b\1214PE1B.0014.RAW
Date & Time Acquired: 12/14/2021 5:22:38 PM
Method File: G:\Org\PE1\Methods\211208GROB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

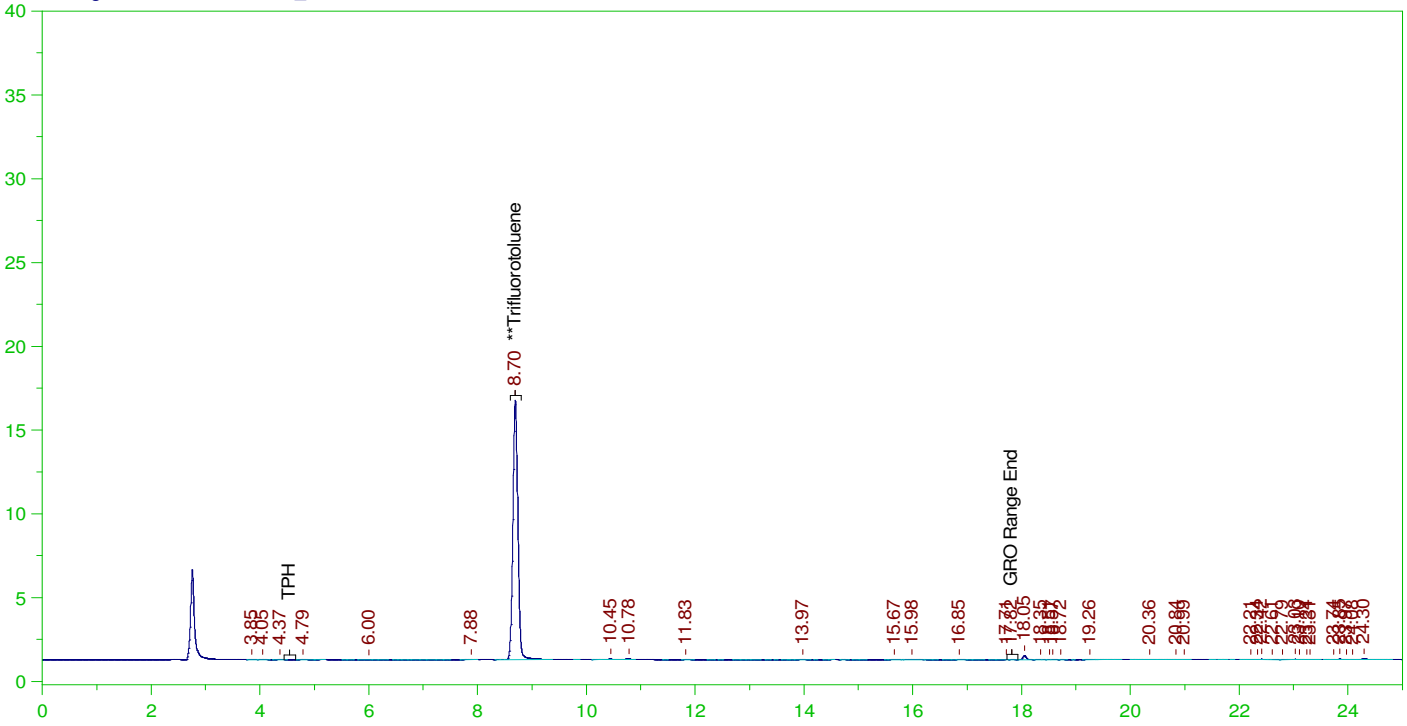
Mean RF for GRO: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.693	25.	21.313	85.25	-

GRO Area:5838.097 GRO Amount: 1.234312
TPH Area:11885.14 TPH Amount: 2.613867

ERH2212 (Trip Blank)-14525

G:\Org\PE1\DAT\PE1121421_b\1214PE1B.0015.RAW B21121020-003A ;1214PE1 , $HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B21121020-003A ;1214PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1121421_b\1214PE1B.0015.RAW
Date & Time Acquired: 12/14/2021 5:56:57 PM
Method File: G:\Org\PE1\Methods\211208GROB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

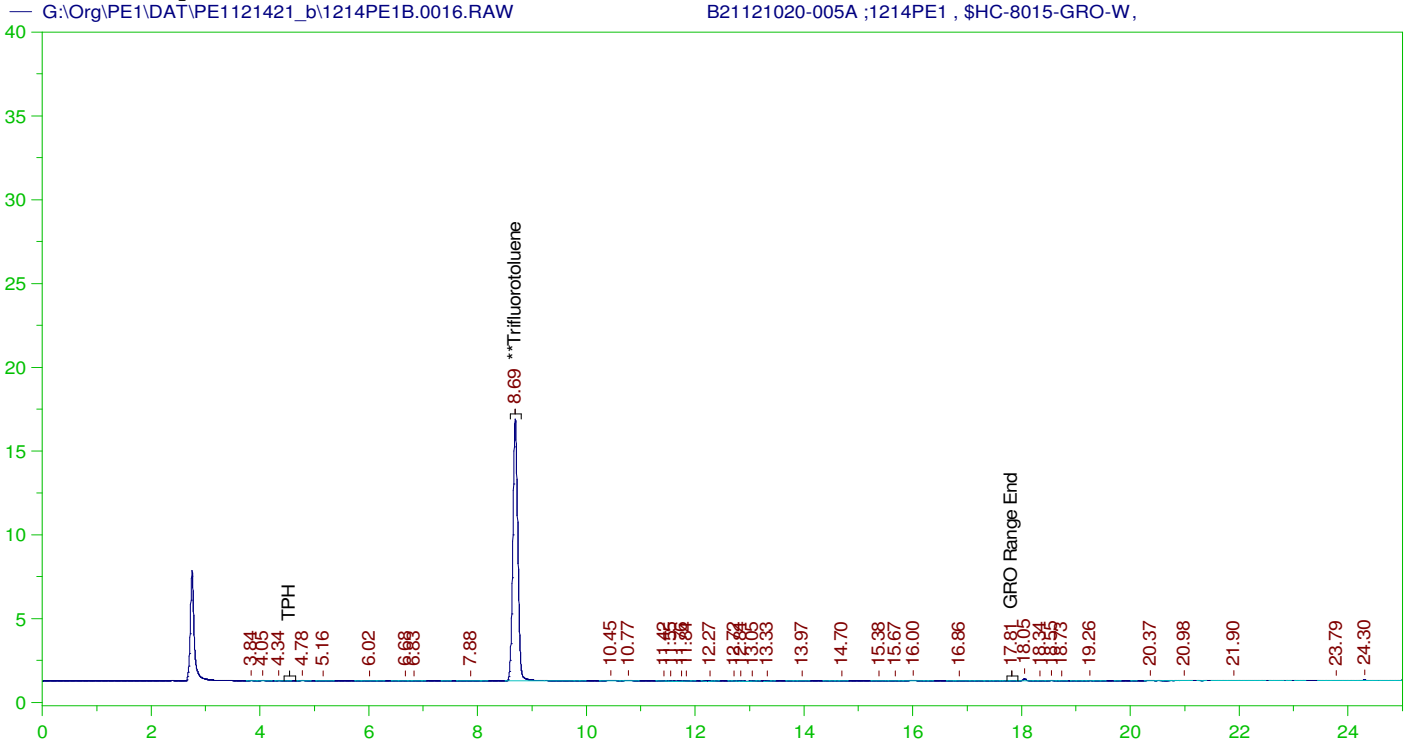
Mean RF for GRO: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.695	25.	20.999	84.	-

GRO Area:2998.399 GRO Amount: 0.6339325
TPH Area:7467.492 TPH Amount: 1.642305

ERH2214 (Trip Blank)-14525

G:\Org\PE1\DAT\PE1121421_b\1214PE1B.0016.RAW B21121020-005A ;1214PE1 , $HC-8015-GRO-W,



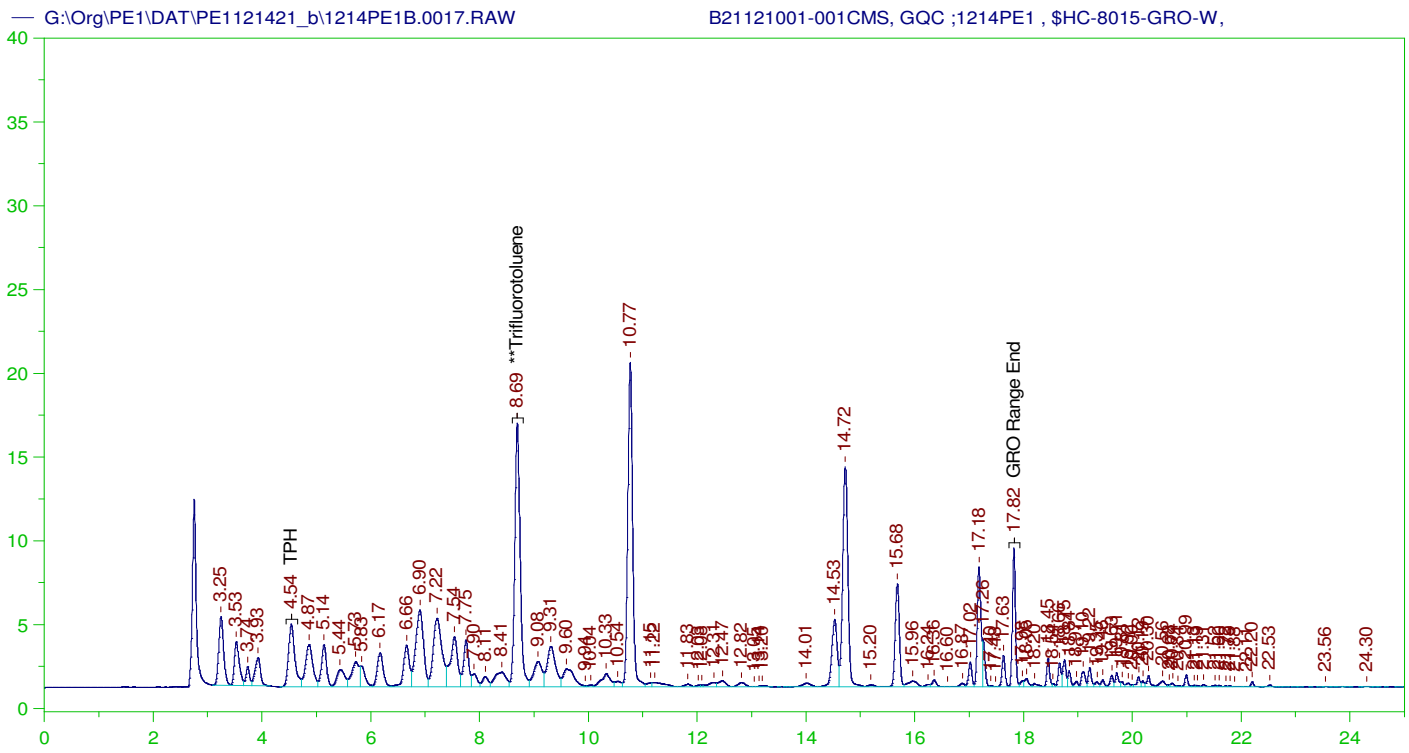
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B21121020-005A ;1214PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1121421_b\1214PE1B.0016.RAW
Date & Time Acquired: 12/14/2021 6:31:23 PM
Method File: G:\Org\PE1\Methods\211208GROB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

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

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.694	25.	21.211	84.85	-

GRO Area:3960.696 GRO Amount: 0.837385
TPH Area:6675.809 TPH Amount: 1.468192



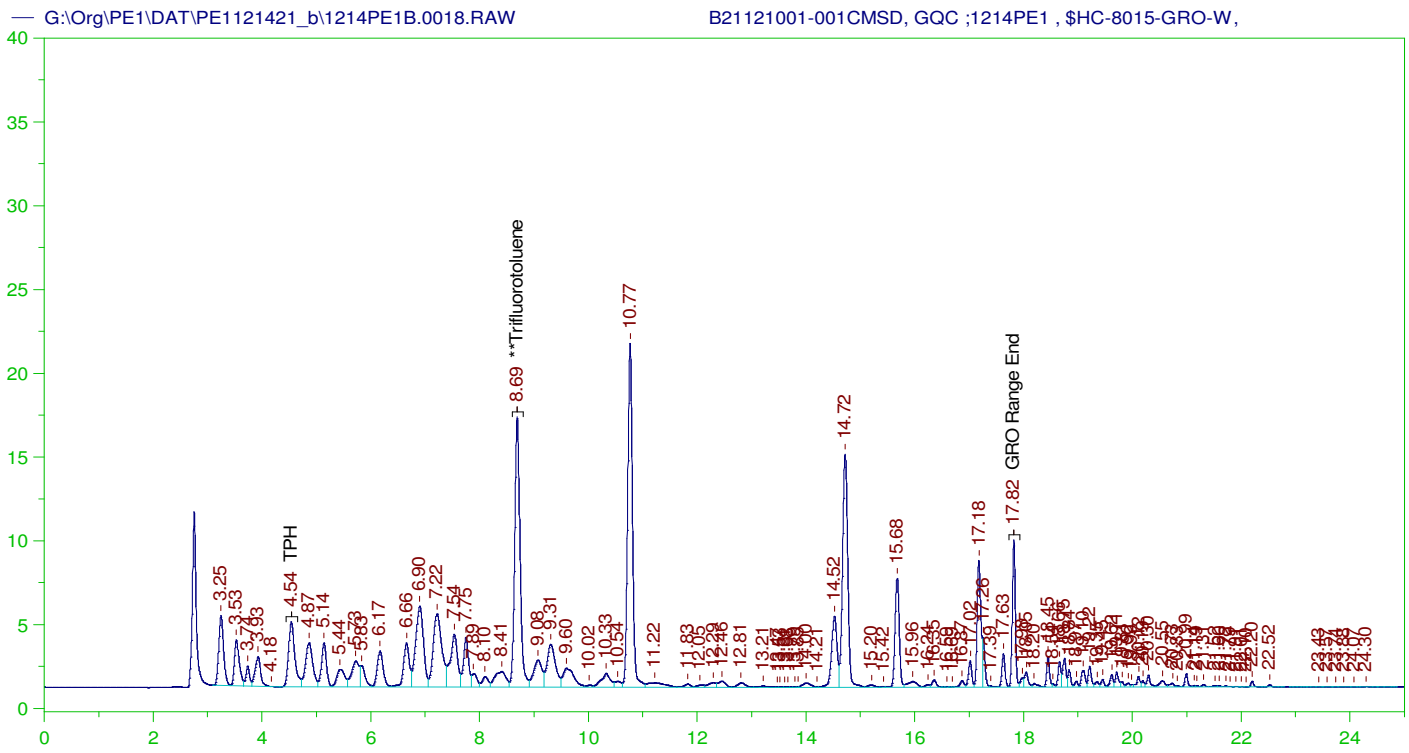
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B21121001-001CMS, GQC ;1214PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1121421_b\1214PE1B.0017.RAW
Date & Time Acquired: 12/14/2021 7:05:37 PM
Method File: G:\Org\PE1\Methods\211208G1001-1MSB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

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

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.695	25.	22.918	91.67	-

GRO Area:767212.8 GRO Amount: 162.207
TPH Area:898983.5 TPH Amount: 197.711



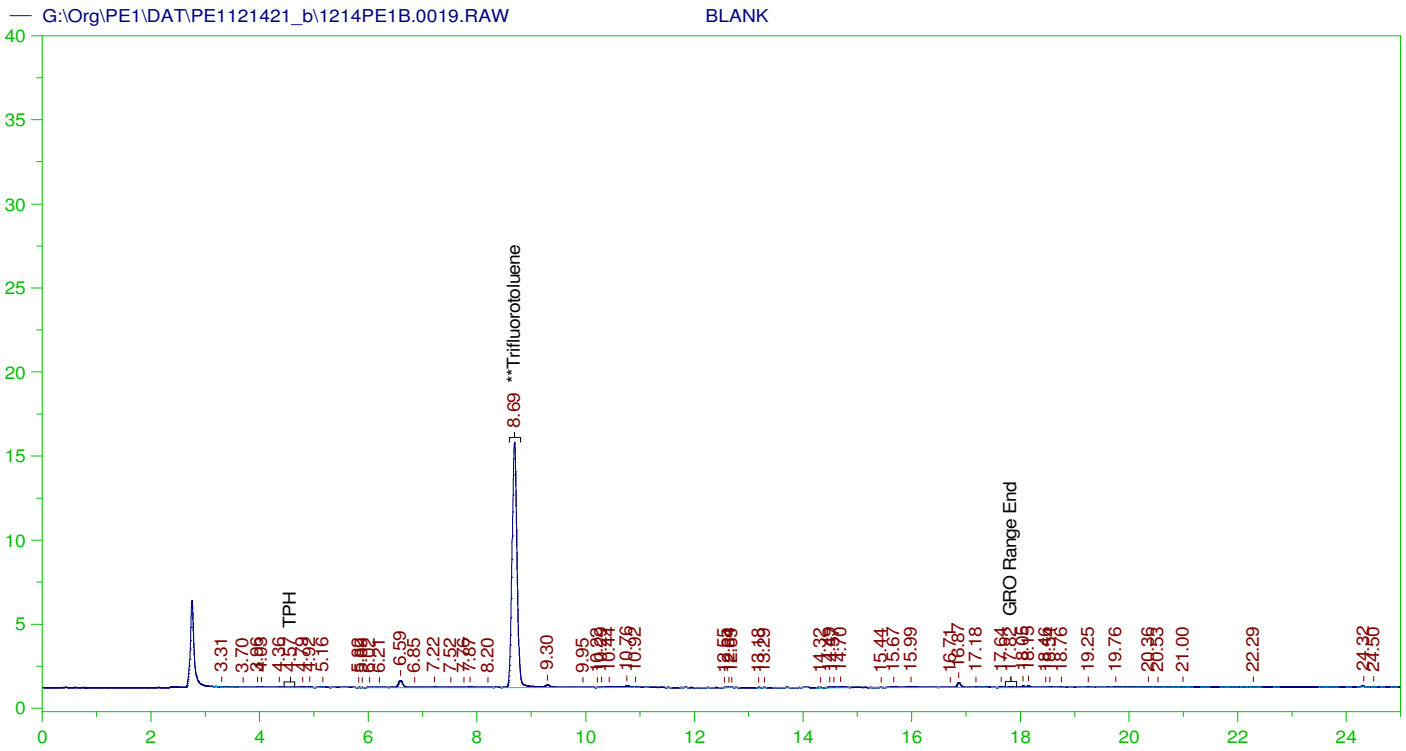
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B21121001-001CMSD, GQC ;1214PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1121421_b\1214PE1B.0018.RAW
Date & Time Acquired: 12/14/2021 7:39:54 PM
Method File: G:\Org\PE1\Methods\211208G1001-1MSDB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

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

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.693	25.	23.534	94.14	-

GRO Area:811040.9 GRO Amount: 171.4733
TPH Area:952714.4 TPH Amount: 209.5279



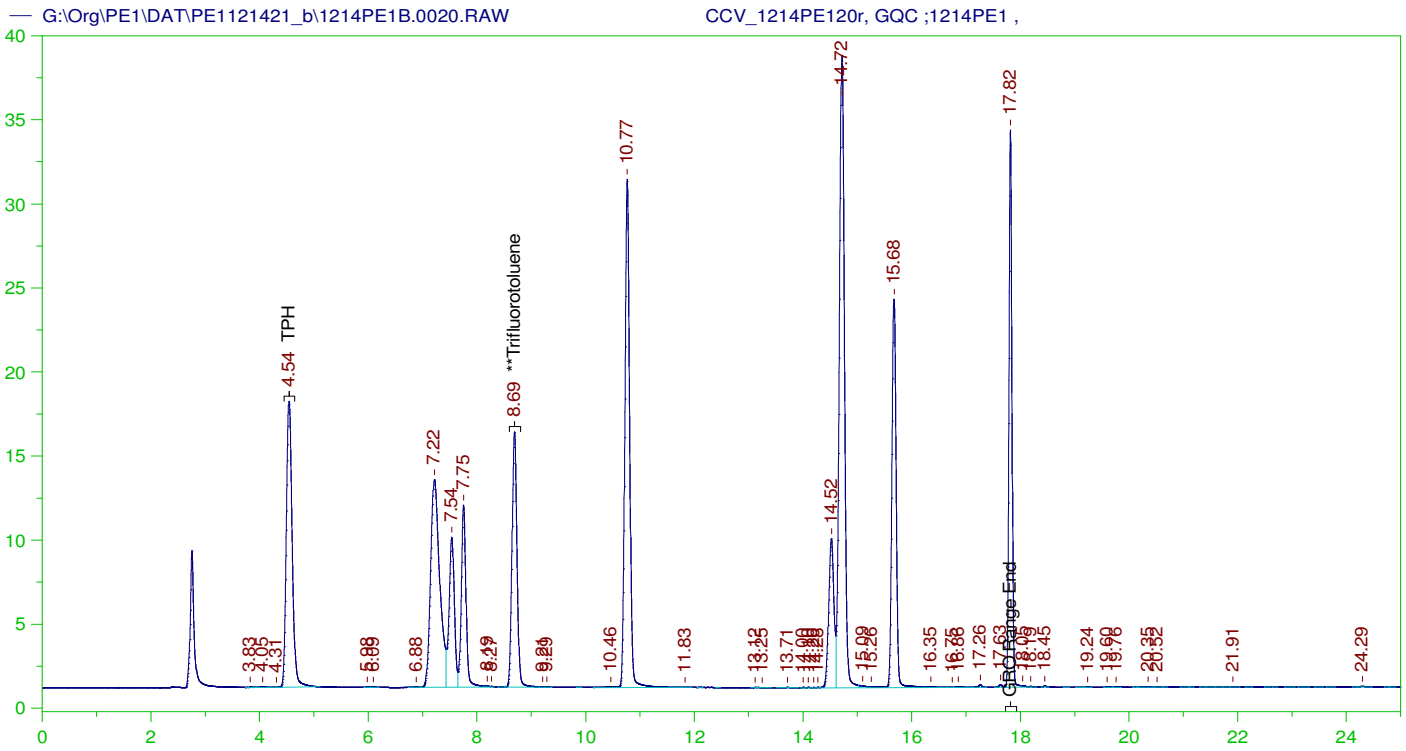
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
Raw File: G:\Org\PE1\DAT\PE1121421_b\1214PE1B.0019.RAW
Date & Time Acquired: 12/14/2021 8:14:14 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	8.691	125.	99.563	79.65	-

GRO Area:12429.54 GRO Amount: 13.13949
TPH Area:15717.12 TPH Amount: 17.28312



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_1214PE120r, GQC ;1214PE1 ,
Raw File: G:\Org\PE1\DAT\PE1121421_b\1214PE1B.0020.RAW
Date & Time Acquired: 12/14/2021 8:48:33 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

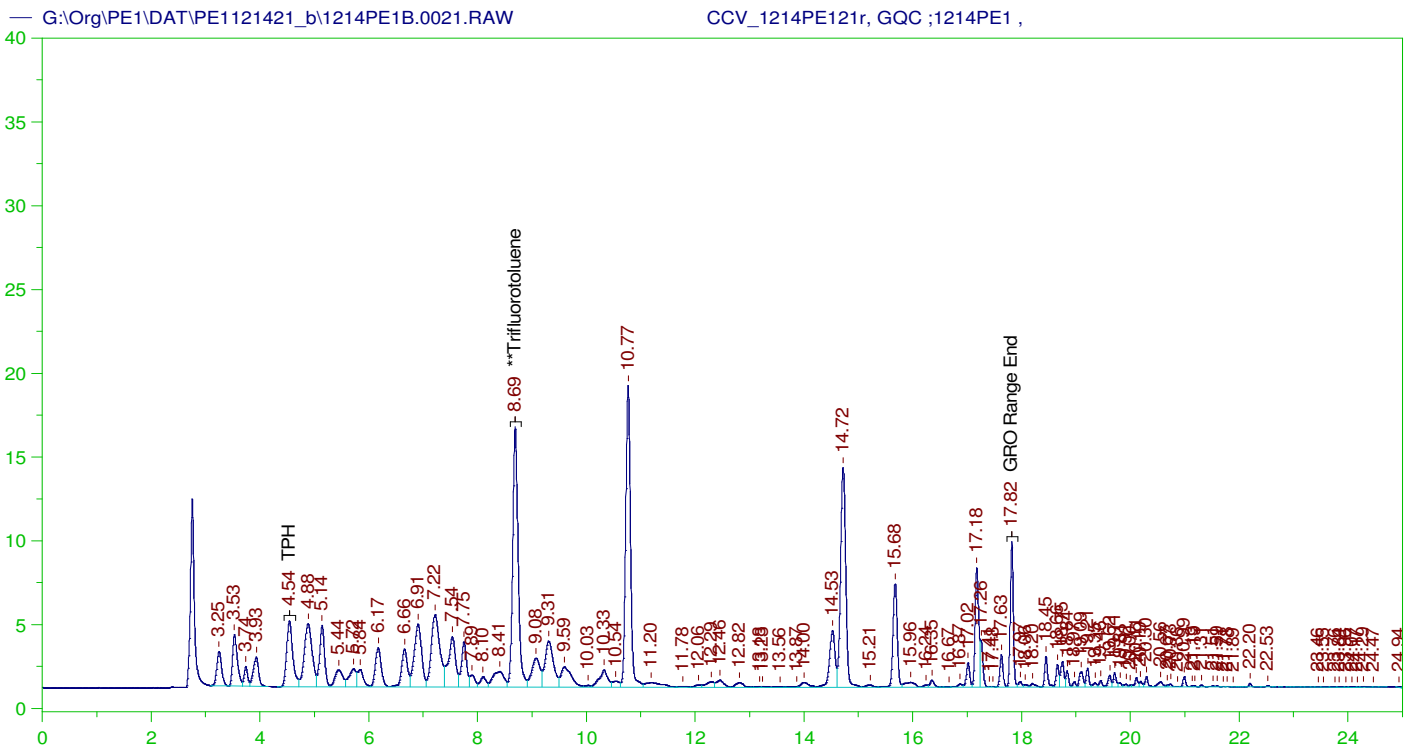
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.691	125.	102.604	82.08	-

GRO Area:1151029 GRO Amount: 1216.774
TPH Area:1153238 TPH Amount: 1268.142

CONTINUING CALIBRATION REPORT: G:\Org\PE1\DAT\PE1121421_b\1214PE1B.0020.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
GRO	840.	1216.77	144.85	85-115
TPH	1000.	1268.14	126.81	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	8.691	125.	102.604	82.08	85-115



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_1214PE121r, GQC ;1214PE1 ,
Raw File: G:\Org\PE1\DAT\PE1121421_b\1214PE1B.0021.RAW
Date & Time Acquired: 12/14/2021 9:22:51 PM
Method File: G:\Org\PE1\Methods\211208GCCV1214_21B%.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

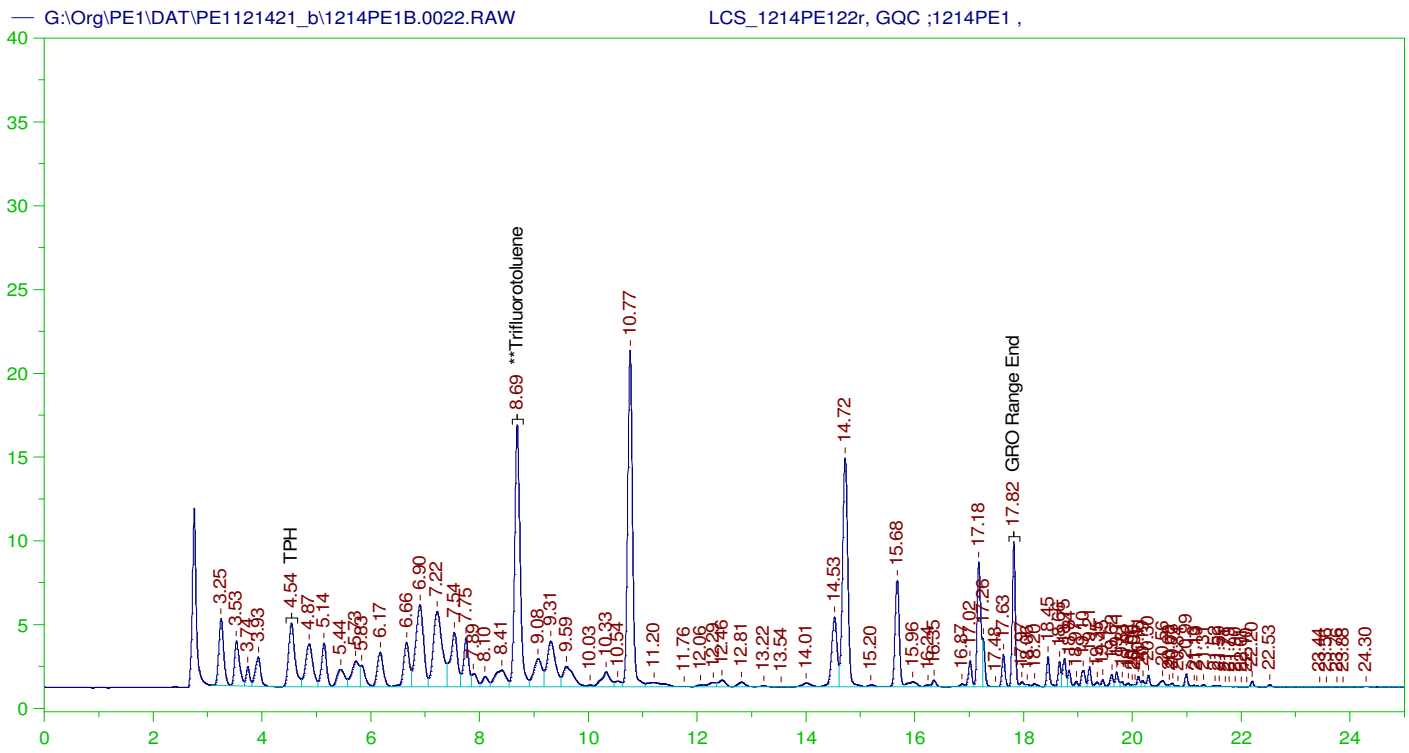
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.693	125.	114.506	91.6	-

GRO Area:778178.8 GRO Amount: 822.6272
TPH Area:892638.6 TPH Amount: 981.5779

CONTINUING CALIBRATION REPORT: G:\Org\PE1\DAT\PE1121421_b\1214PE1B.0021.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
GRO	840.	822.63	97.93	85-115
TPH	1000.	981.58	98.16	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	8.693	125.	114.506	91.6	85-115



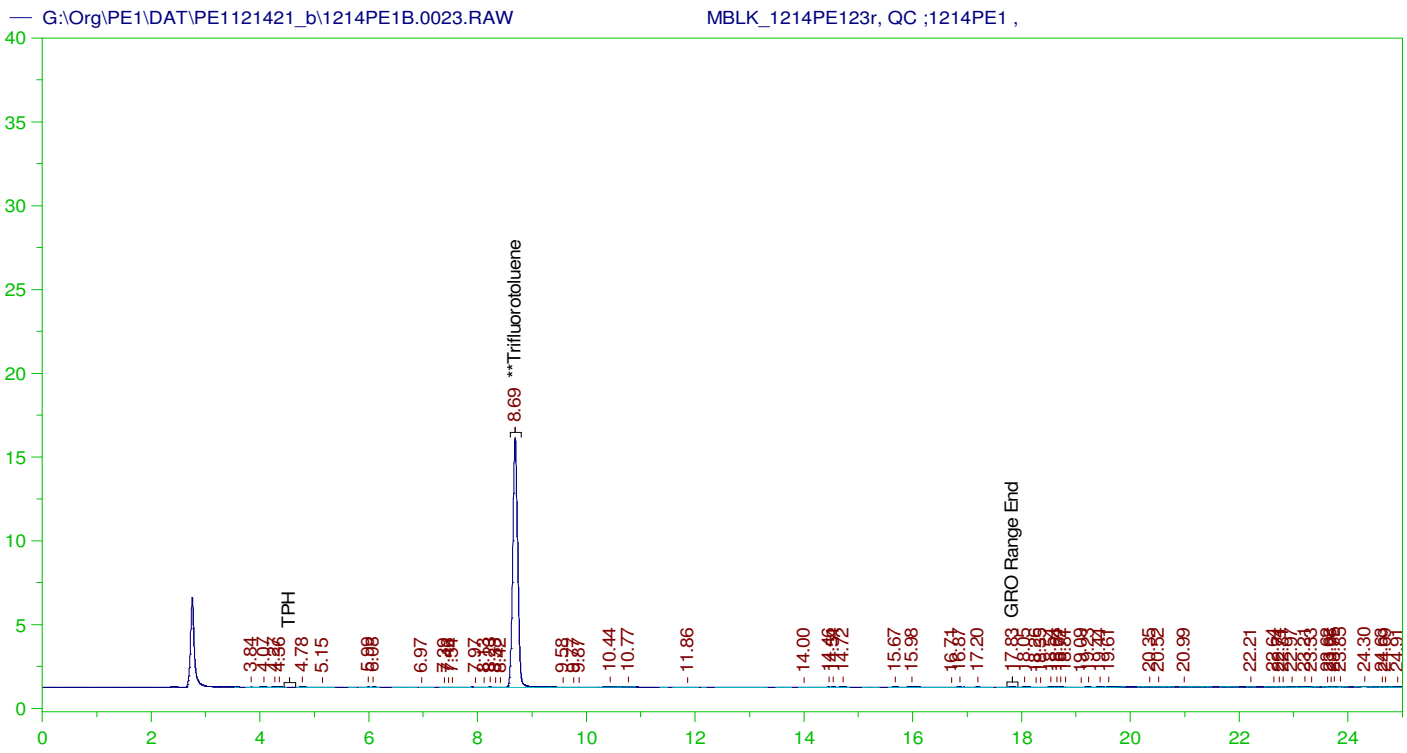
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: LCS_1214PE122r, GQC ;1214PE1 ,
Raw File: G:\Org\PE1\DAT\PE1121421_b\1214PE1B.0022.RAW
Date & Time Acquired: 12/14/2021 9:57:13 PM
Method File: G:\Org\PE1\Methods\211208GLCS1214_22B%.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	8.693	25.	22.989	91.96	-

GRO Area:806595.6 GRO Amount: 170.5334
TPH Area:939999.3 TPH Amount: 206.7315



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: MBLK_1214PE123r, QC ;1214PE1 ,
Raw File: G:\Org\PE1\DAT\PE1121421_b\1214PE1B.0023.RAW
Date & Time Acquired: 12/14/2021 10:31:34 PM
Method File: G:\Org\PE1\Methods\211208GROB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

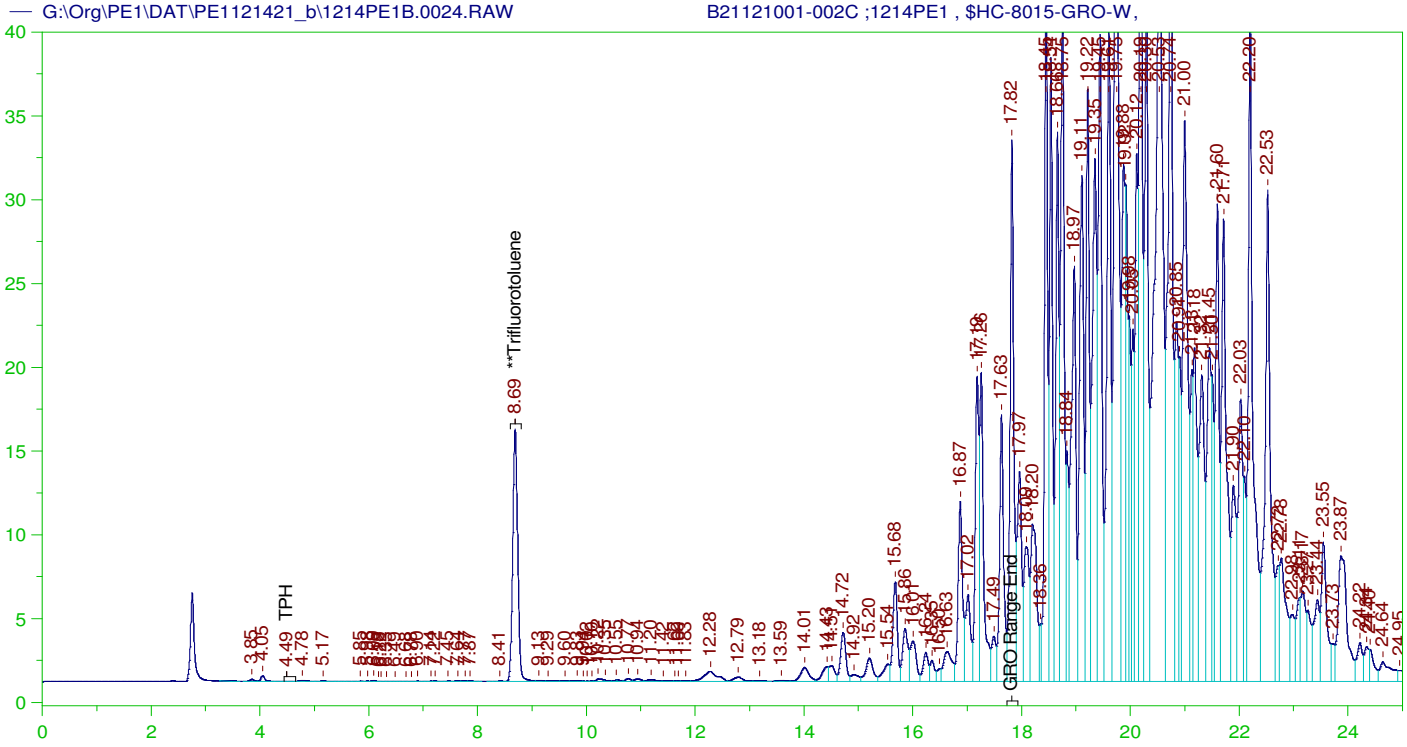
Mean RF for GRO: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.692	25.	20.367	81.47	-

GRO Area:5118.216 GRO Amount: 1.082112
TPH Area:9563.21 TPH Amount: 2.103211

ERH2226 (RHMW2254-01)

G:\Org\PE1\DAT\PE1121421_b\1214PE1B.0024.RAW B21121001-002C ;1214PE1 , $HC-8015-GRO-W,



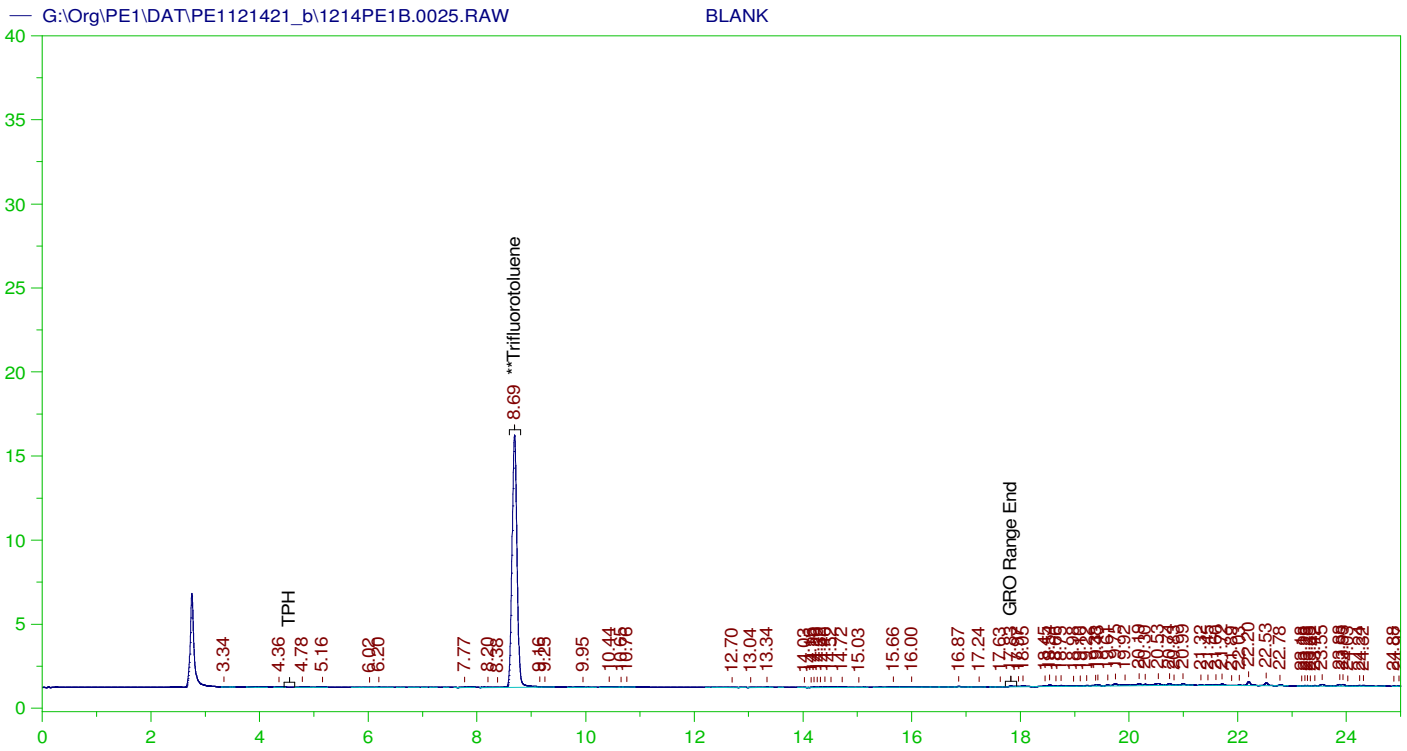
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B21121001-002C ;1214PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1121421_b\1214PE1B.0024.RAW
Date & Time Acquired: 12/14/2021 11:05:56 PM
Method File: G:\Org\PE1\Methods\211208G1001-2B%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

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

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.692	25.	20.536	82.14	-

GRO Area:751217.1 GRO Amount: 158.8251
TPH Area:7144909 TPH Amount: 1571.36



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

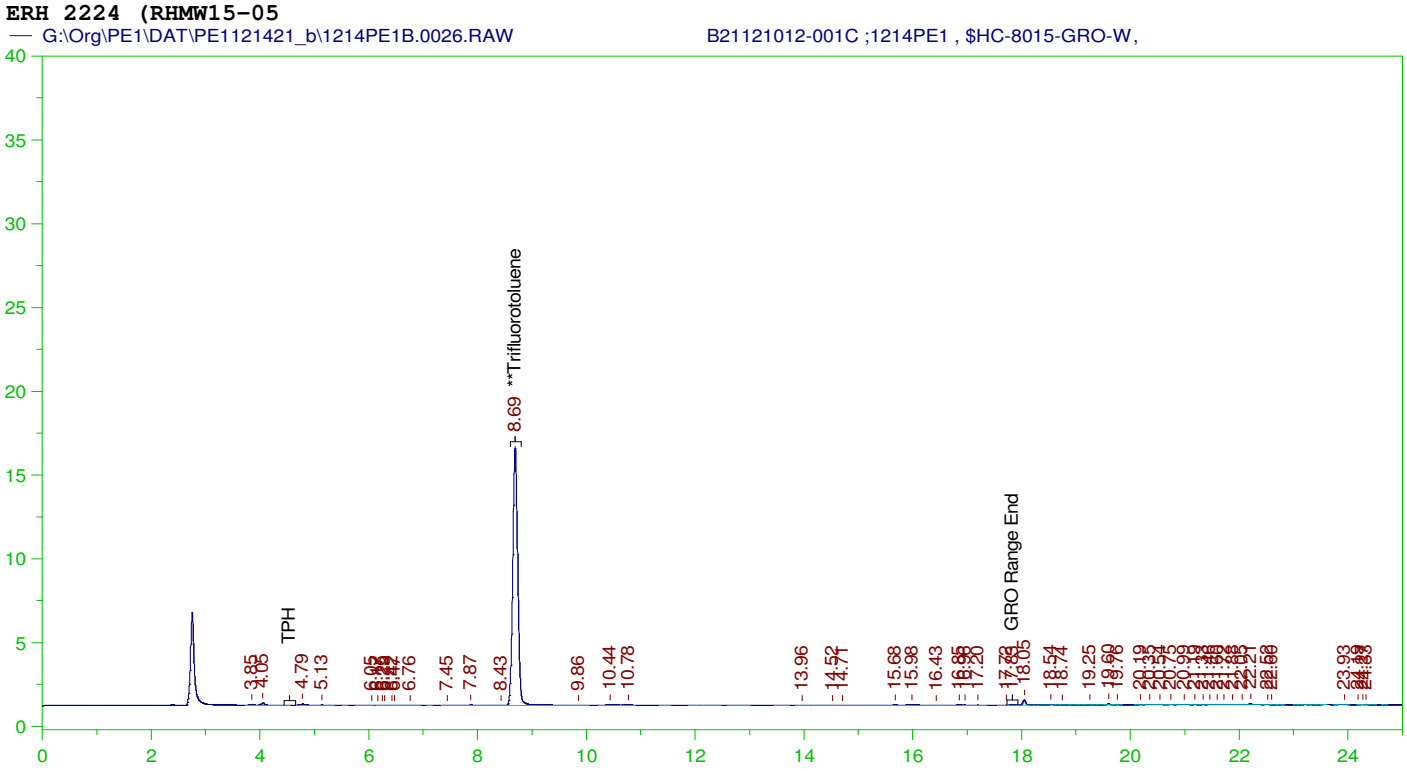
Sample Name: BLANK
Raw File: G:\Org\PE1\DAT\PE1121421_b\1214PE1B.0025.RAW
Date & Time Acquired: 12/14/2021 11:40:19 PM
Method File: G:\Org\PE1\Methods\211208GROB.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

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	8.691	125.	101.813	81.45	-

GRO Area:5577.773 GRO Amount: 5.896367
TPH Area:19940.84 TPH Amount: 21.92767

ERH 2224 (RHMW15-05



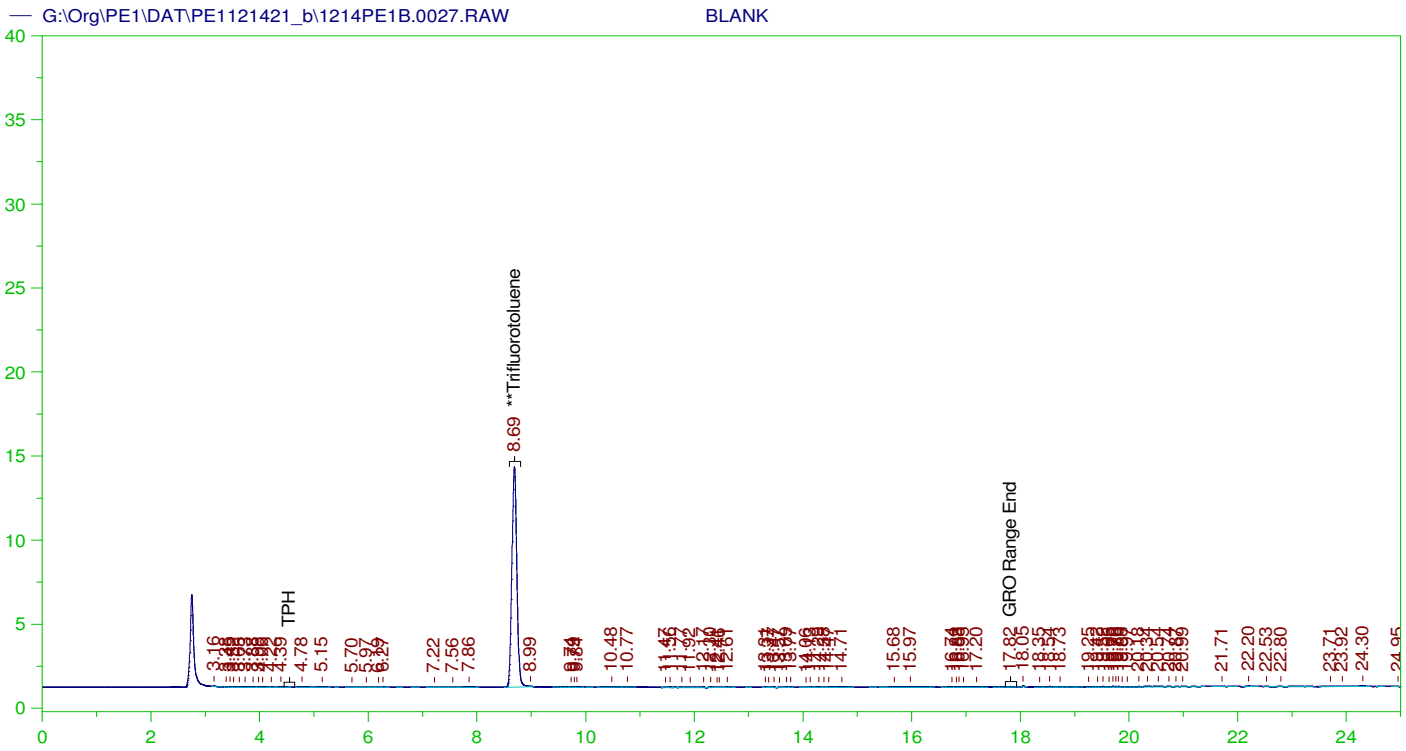
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B21121012-001C ;1214PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1121421_b\1214PE1B.0026.RAW
Date & Time Acquired: 12/15/2021 12:14:46 AM
Method File: G:\Org\PE1\Methods\211208GROB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

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

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.692	25.	21.042	84.17	-

GRO Area:4891.938 GRO Amount: 1.034272
TPH Area:12206.21 TPH Amount: 2.684479



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
Raw File: G:\Org\PE1\DAT\PE1121421_b\1214PE1B.0027.RAW
Date & Time Acquired: 12/15/2021 12:49:05 AM
Method File: G:\Org\PE1\Methods\211208GROB.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

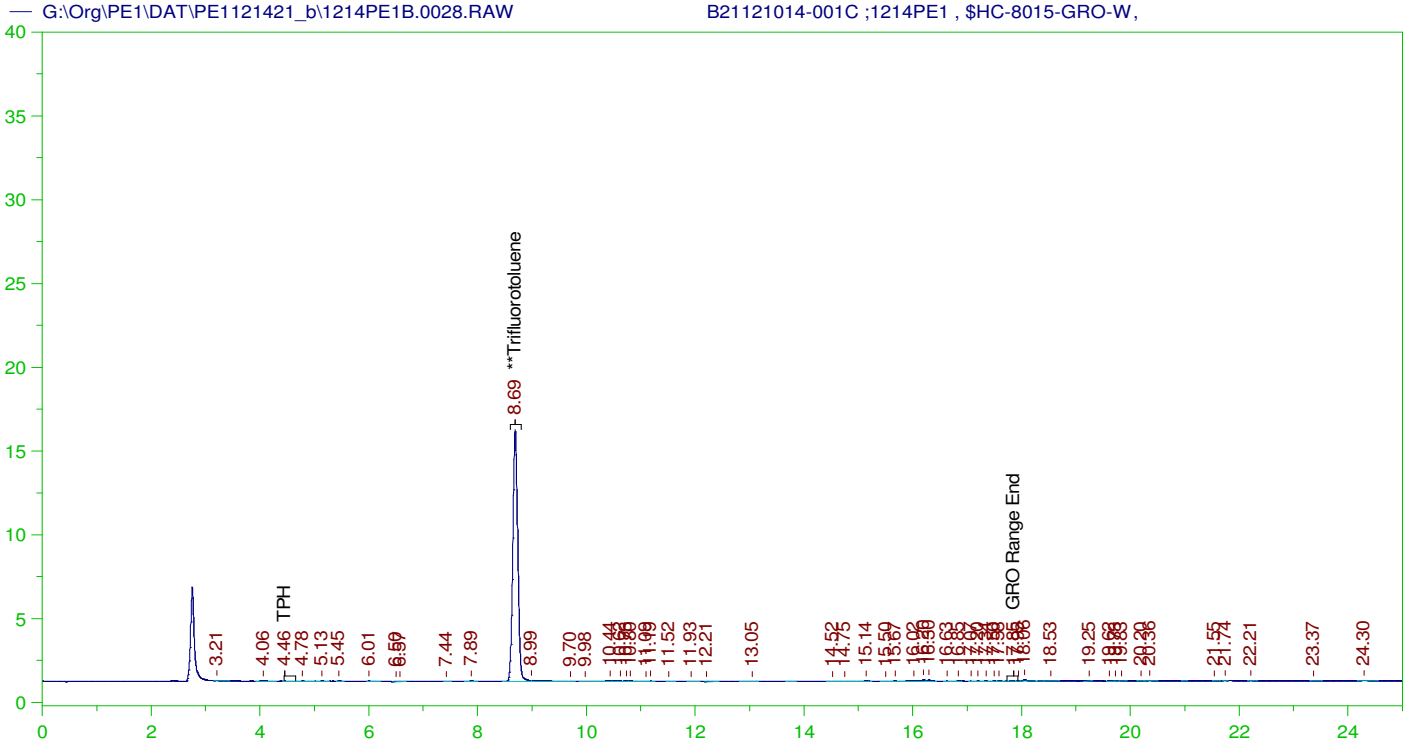
Mean RF for GRO: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.689	125.	88.06	70.45	-

GRO Area:5672.519 GRO Amount: 5.996524
TPH Area:10443.25 TPH Amount: 11.48378

ERH2228 (RHMW08)

G:\Org\PE1\DAT\PE1121421_b\1214PE1B.0028.RAW B21121014-001C ;1214PE1 , $HC-8015-GRO-W,



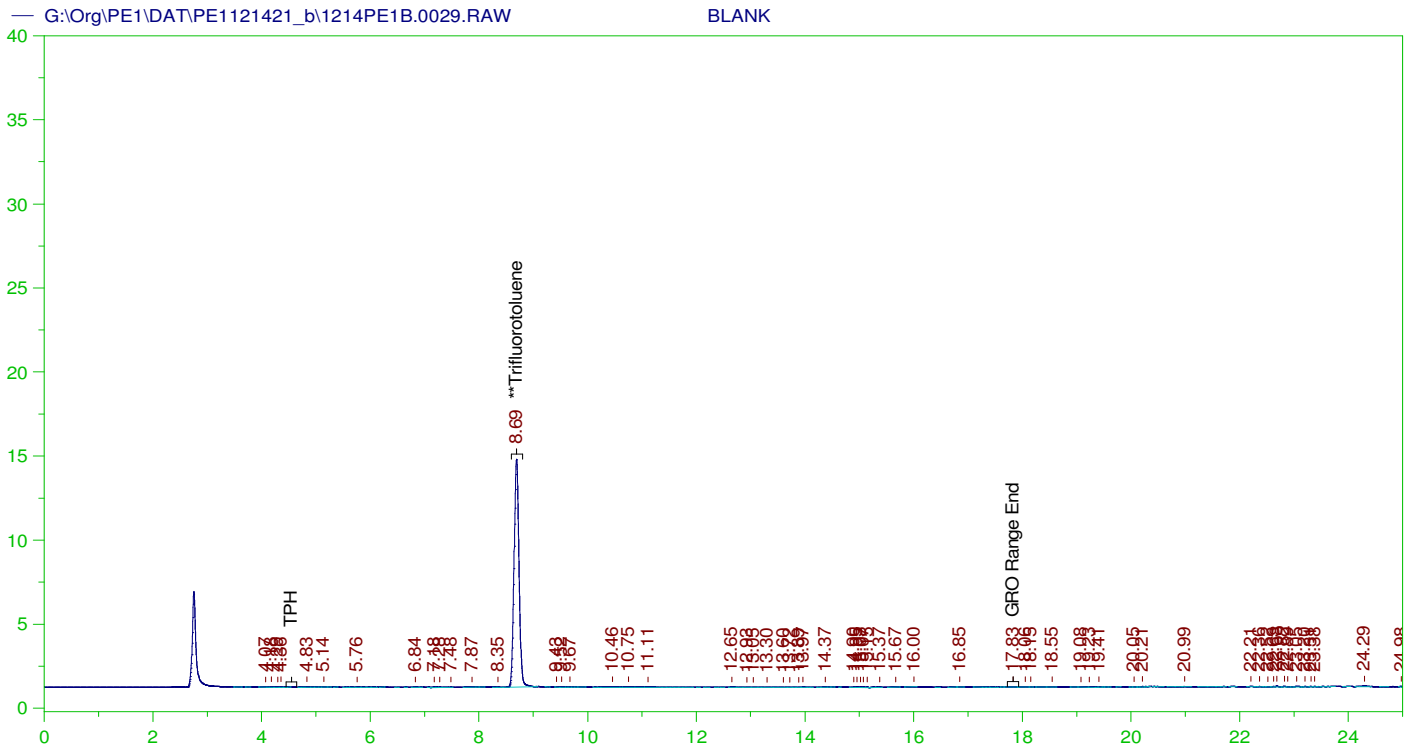
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B21121014-001C ;1214PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1121421_b\1214PE1B.0028.RAW
Date & Time Acquired: 12/15/2021 1:23:21 AM
Method File: G:\Org\PE1\Methods\211208G1014-1B%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

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

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.693	25.	20.341	81.36	-

GRO Area:8193.517 GRO Amount: 1.732304
TPH Area:11007.37 TPH Amount: 2.420821



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
Raw File: G:\Org\PE1\DAT\PE1121421_b\1214PE1B.0029.RAW
Date & Time Acquired: 12/15/2021 1:57:36 AM
Method File: G:\Org\PE1\Methods\211208GROB.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

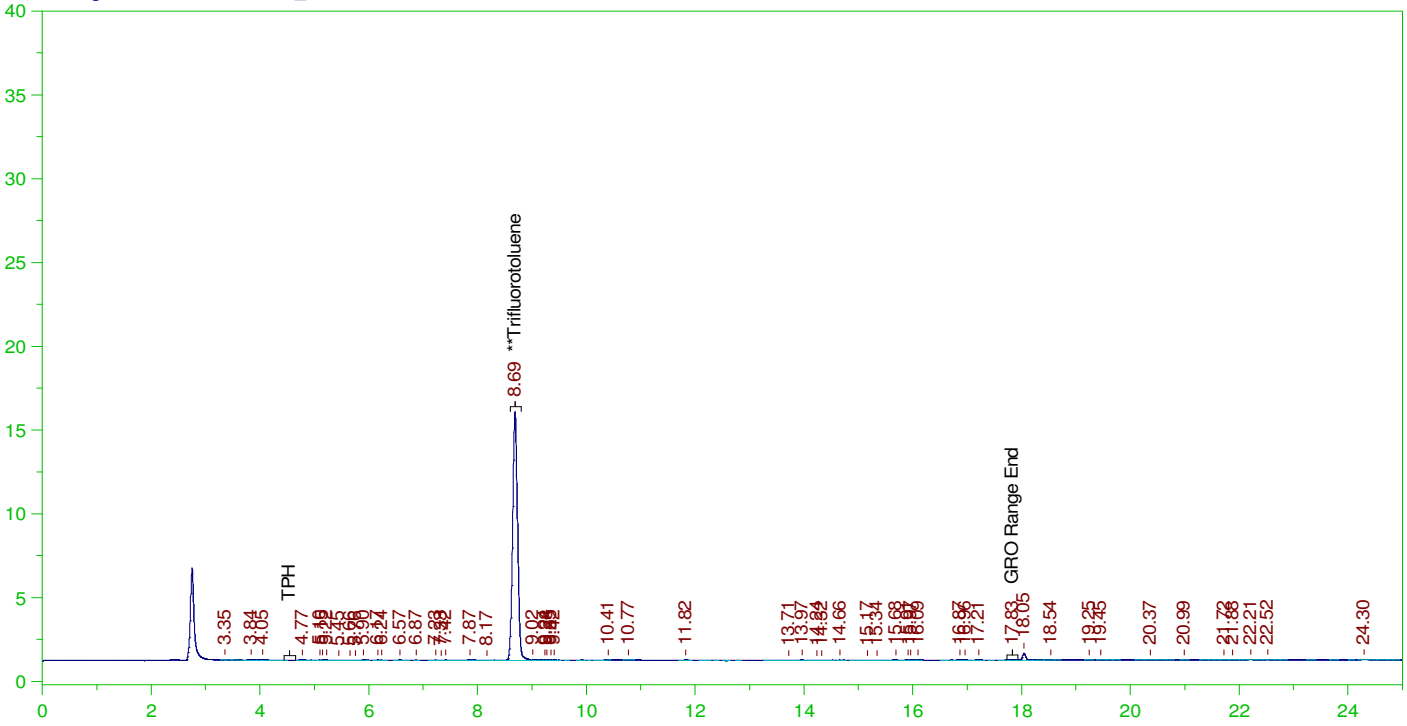
Mean RF for GRO: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.692	125.	91.454	73.16	-

GRO Area:4740.013 GRO Amount: 5.010755
TPH Area:7920.359 TPH Amount: 8.709516

ERH2217 (RHMW03)

G:\Org\PE1\DAT\PE1121421_b\1214PE1B.0030.RAW B21121019-001C ;1214PE1 , $HC-8015-GRO-W,



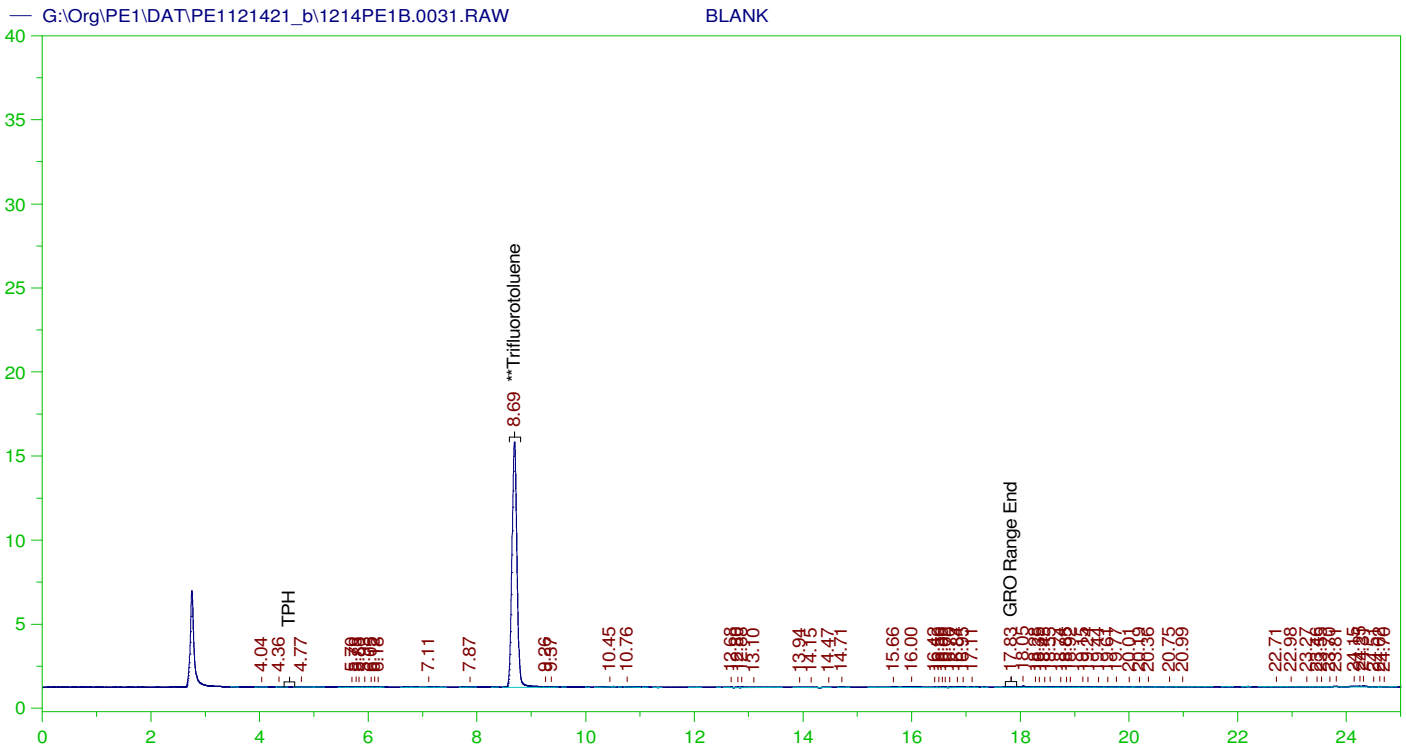
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B21121019-001C ;1214PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1121421_b\1214PE1B.0030.RAW
Date & Time Acquired: 12/15/2021 2:31:52 AM
Method File: G:\Org\PE1\Methods\211208GROB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

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

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.69	25.	20.032	80.13	-

GRO Area:5858.173 GRO Amount: 1.238557
TPH Area:10333.15 TPH Amount: 2.272542



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
Raw File: G:\Org\PE1\DAT\PE1121421_b\1214PE1B.0031.RAW
Date & Time Acquired: 12/15/2021 3:06:07 AM
Method File: G:\Org\PE1\Methods\211208GROB.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

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

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.69	125.	99.572	79.66	-

GRO Area:5364.172 GRO Amount: 5.670566
TPH Area:10629.5 TPH Amount: 11.68859

ERH2219 (RHMW05)

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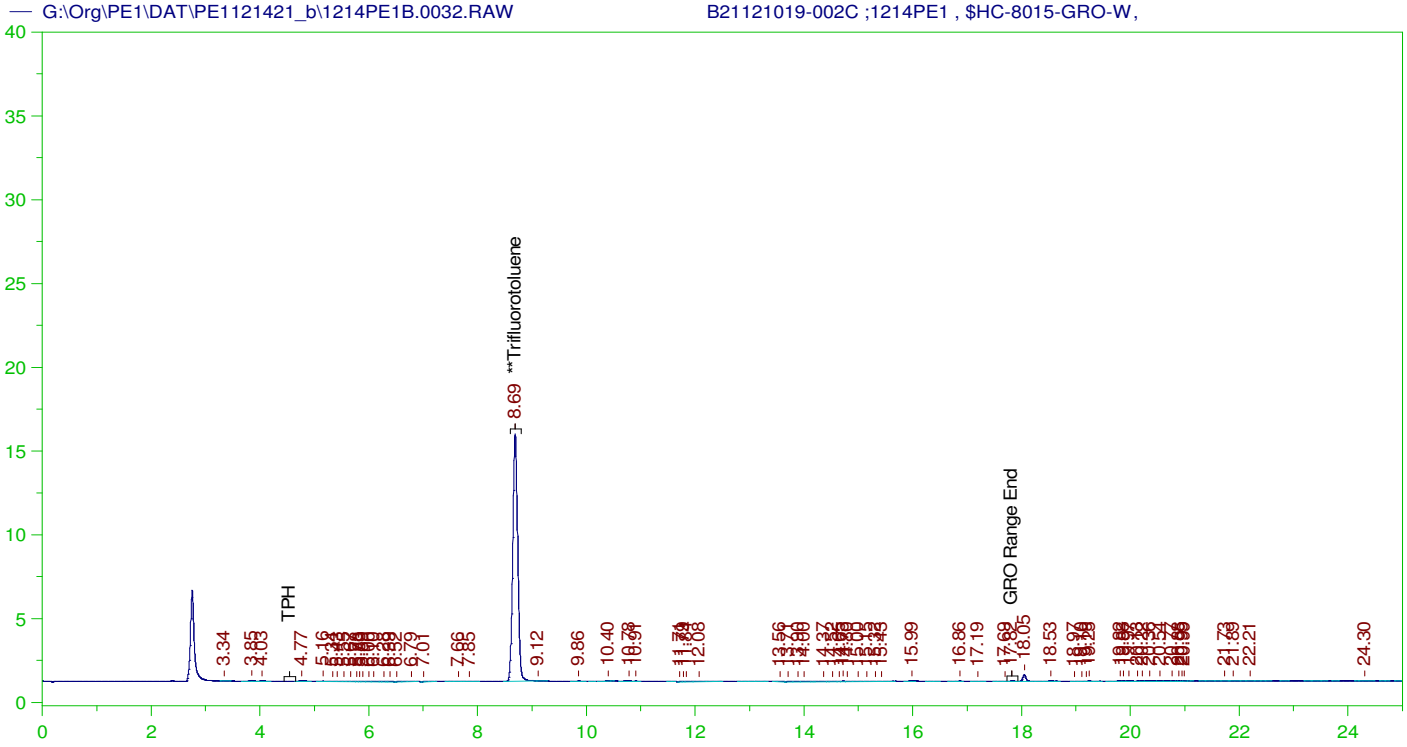


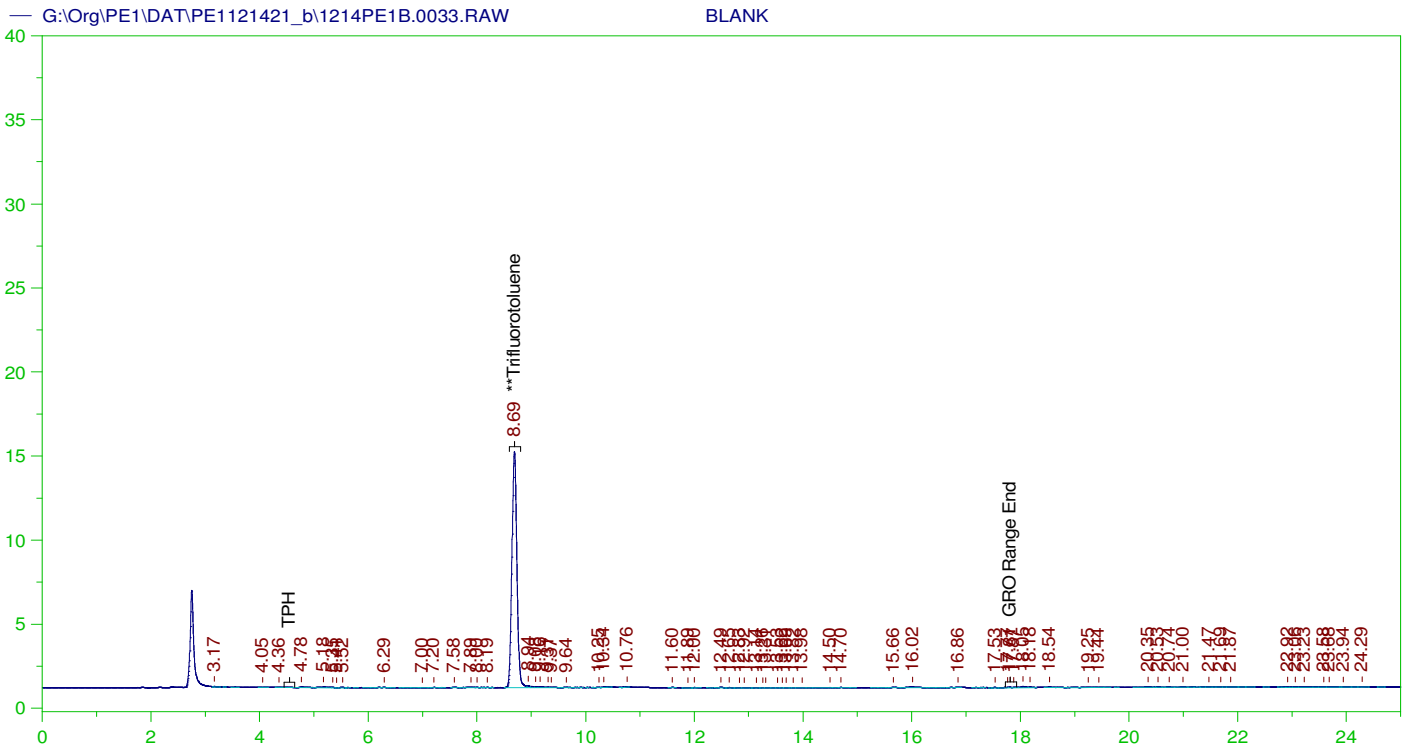
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B21121019-002C ;1214PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1121421_b\1214PE1B.0032.RAW
Date & Time Acquired: 12/15/2021 3:40:27 AM
Method File: G:\Org\PE1\Methods\211208GROB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

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

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.693	25.	20.008	80.03	-

GRO Area:6915.752 GRO Amount: 1.462154
TPH Area:12191.89 TPH Amount: 2.68133



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
Raw File: G:\Org\PE1\DAT\PE1121421_b\1214PE1B.0033.RAW
Date & Time Acquired: 12/15/2021 4:14:47 AM
Method File: G:\Org\PE1\Methods\211208GROB.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

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

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.689	125.	94.846	75.88	-

GRO Area:7236.092 GRO Amount: 7.649407
TPH Area:10126.48 TPH Amount: 11.13544

ERH2220 (RHMW05)

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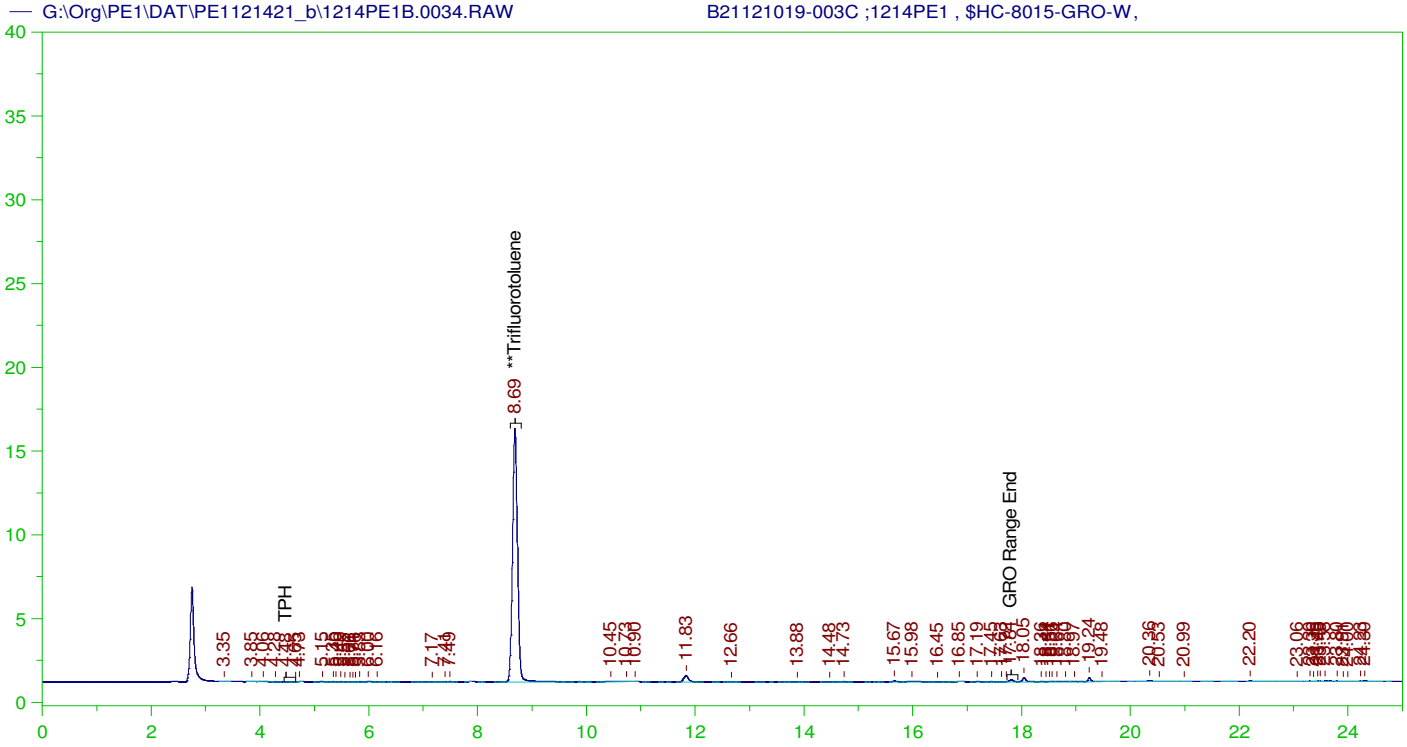


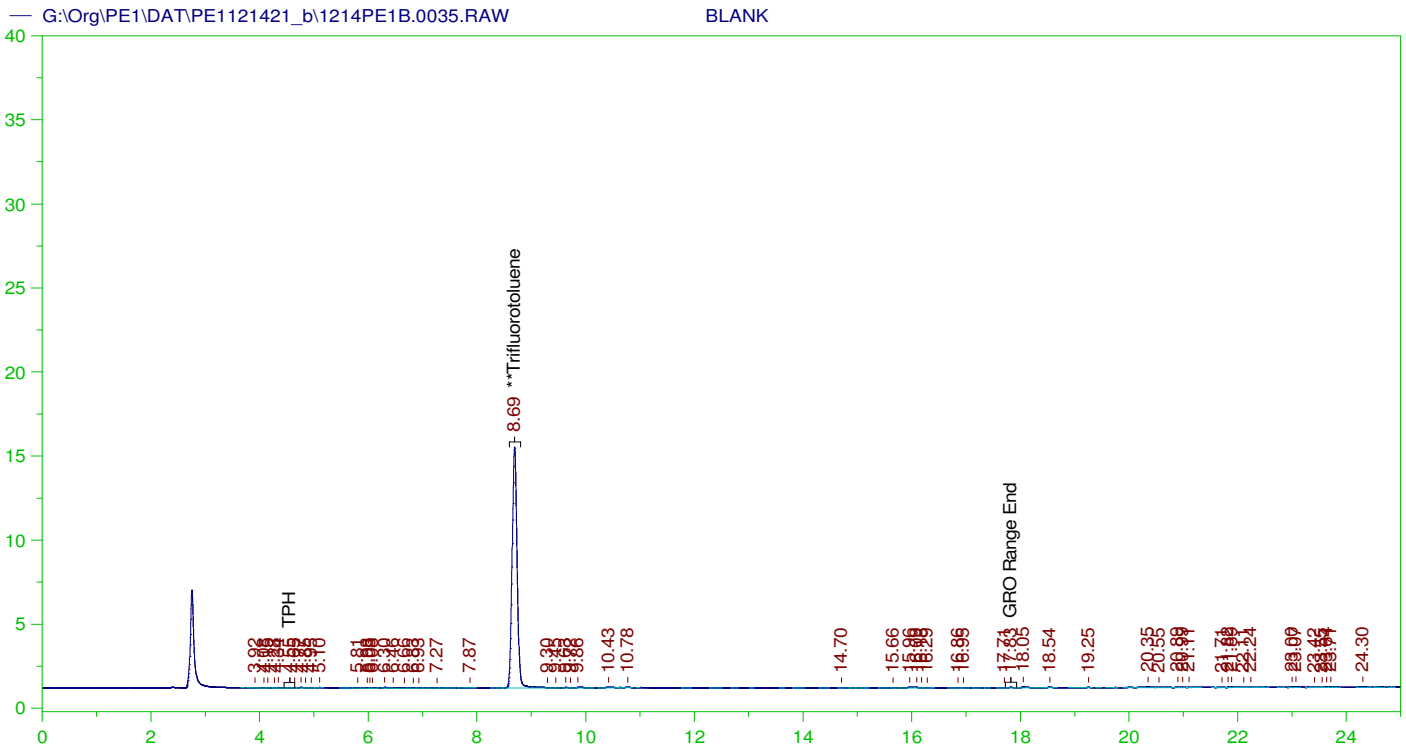
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B21121019-003C ;1214PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1121421_b\1214PE1B.0034.RAW
Date & Time Acquired: 12/15/2021 4:49:07 AM
Method File: G:\Org\PE1\Methods\211208GROB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

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

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.688	25.	20.667	82.67	-

GRO Area:8520.944 GRO Amount: 1.80153
TPH Area:14051.41 TPH Amount: 3.090288



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
Raw File: G:\Org\PE1\DAT\PE1121421_b\1214PE1B.0035.RAW
Date & Time Acquired: 12/15/2021 5:23:29 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

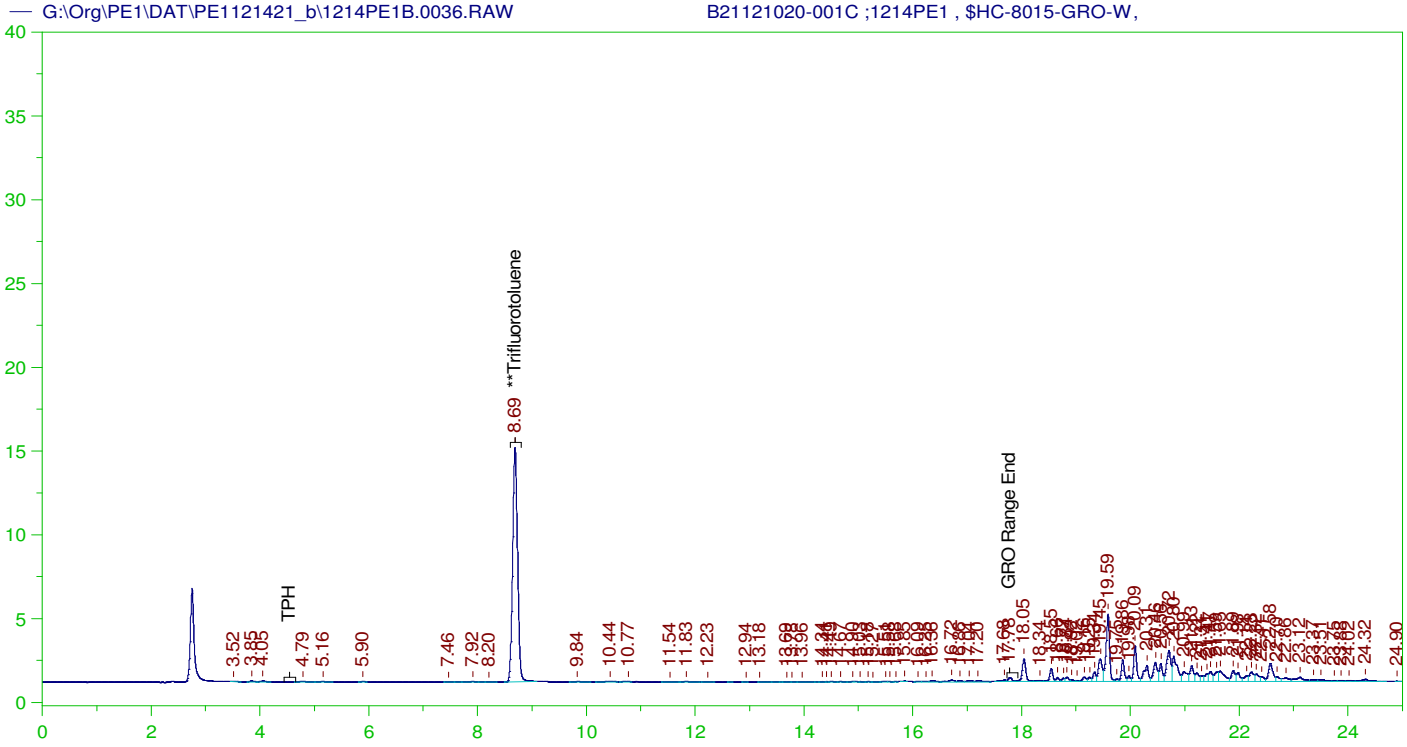
Mean RF for GRO: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.693	125.	97.006	77.61	-

GRO Area:4588.104 GRO Amount: 4.850169
TPH Area:8175.639 TPH Amount: 8.990231

ERH2213 (RHMW01R)

G:\Org\PE1\DAT\PE1121421_b\1214PE1B.0036.RAW B21121020-001C ;1214PE1 , $HC-8015-GRO-W,



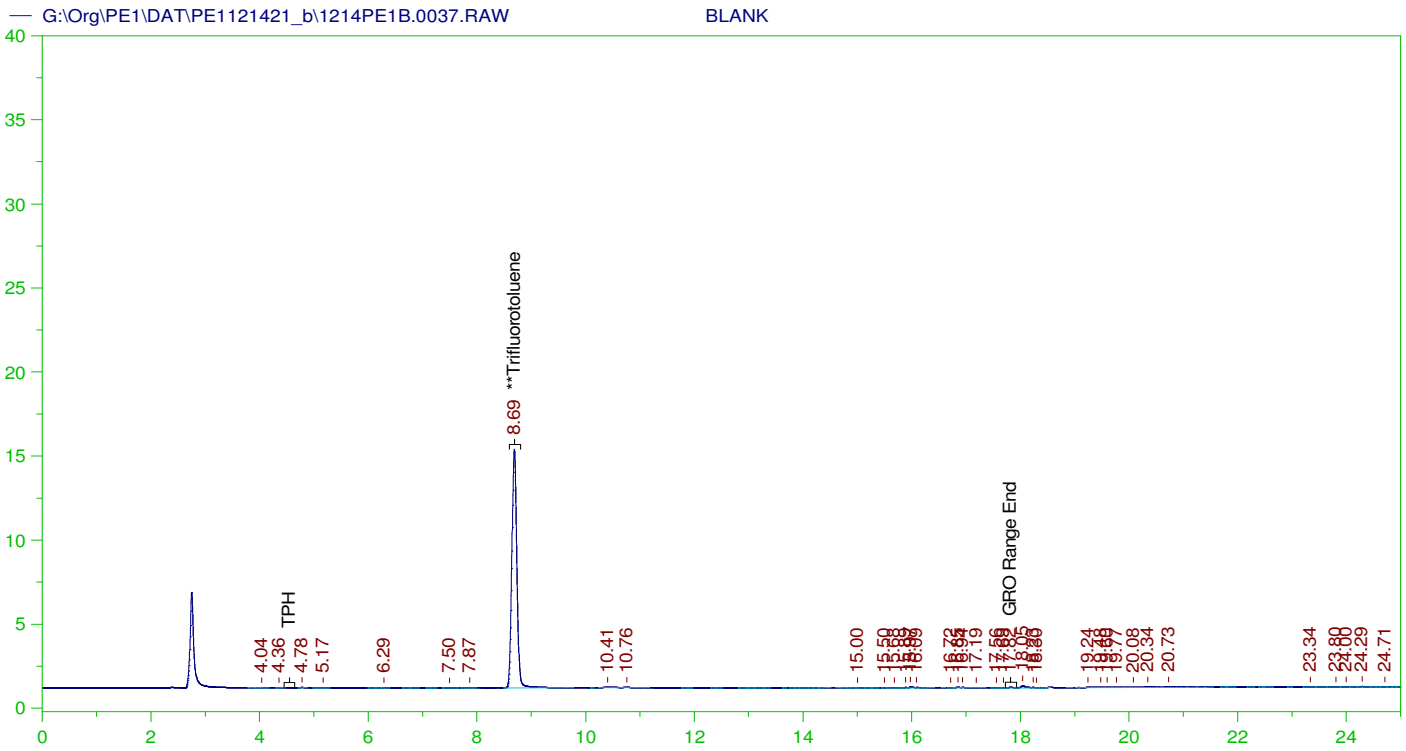
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B21121020-001C ;1214PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1121421_b\1214PE1B.0036.RAW
Date & Time Acquired: 12/15/2021 5:57:53 AM
Method File: G:\Org\PE1\Methods\211208G1020-1B%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

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

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.69	25.	18.844	75.37	-

GRO Area:10248.96 GRO Amount: 2.166874
TPH Area:165066.4 TPH Amount: 36.3026



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
Raw File: G:\Org\PE1\DAT\PE1121421_b\1214PE1B.0037.RAW
Date & Time Acquired: 12/15/2021 6:32:08 AM
Method File: G:\Org\PE1\Methods\211208GROB.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

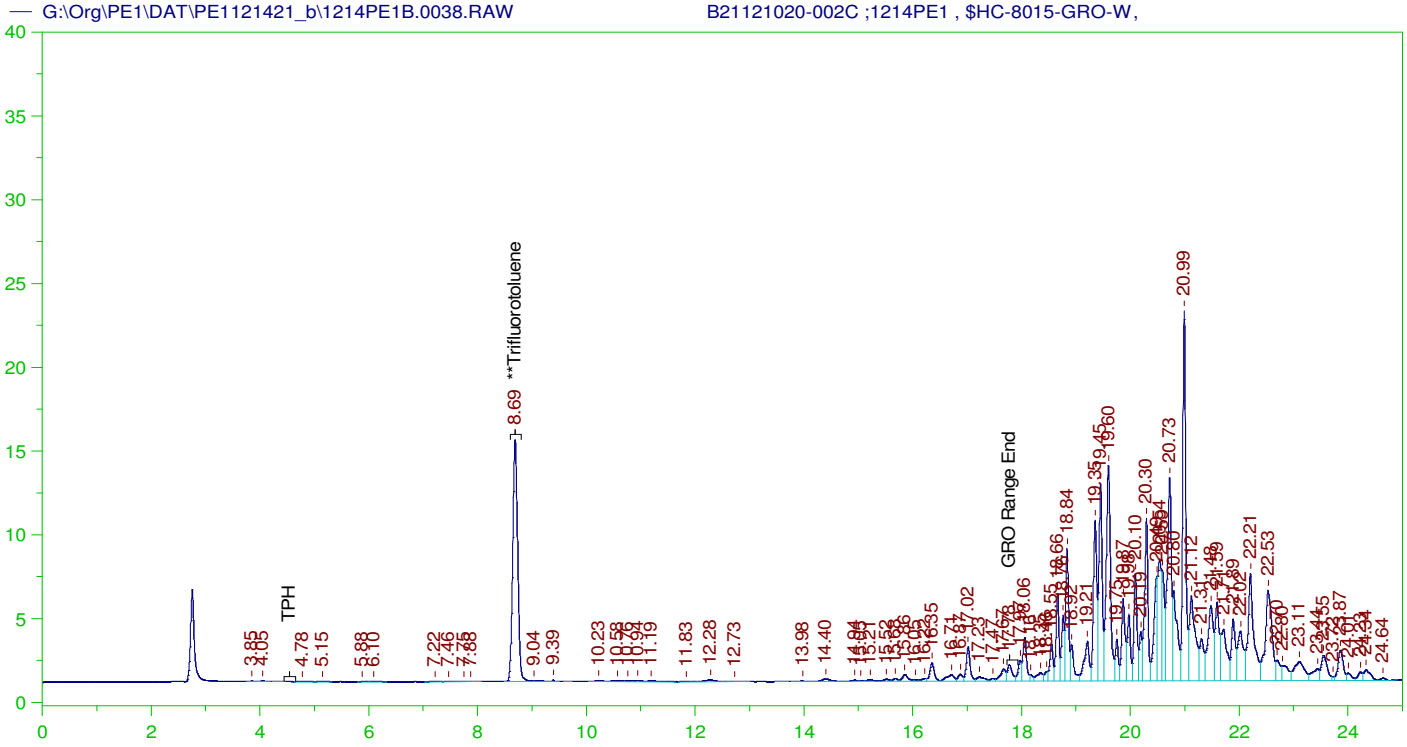
Mean RF for GRO: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.688	125.	96.479	77.18	-

GRO Area:3398.74 GRO Amount: 3.592871
TPH Area:6396.012 TPH Amount: 7.033288

ERH2215 (RHMW02)

G:\Org\PE1\DAT\PE1121421_b\1214PE1B.0038.RAW B21121020-002C ;1214PE1 , $HC-8015-GRO-W,



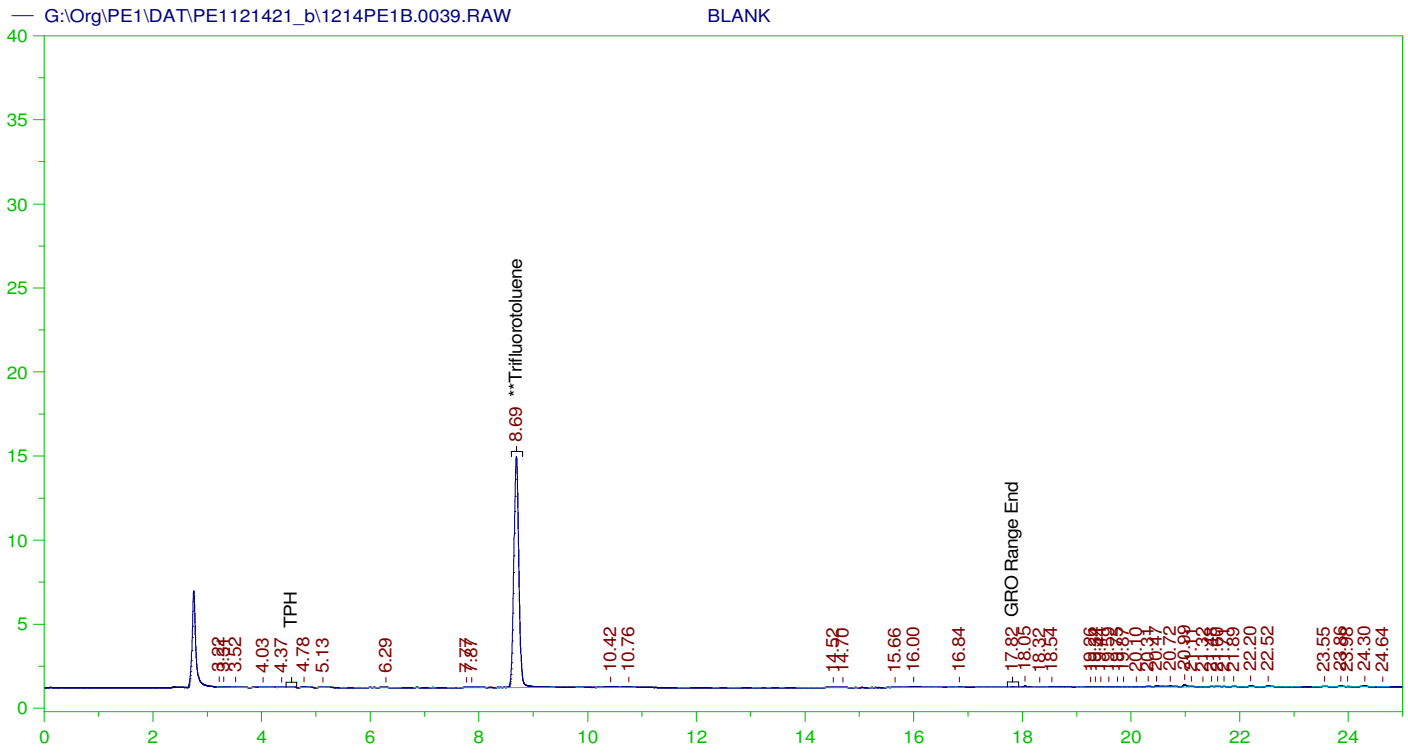
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B21121020-002C ;1214PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1121421_b\1214PE1B.0038.RAW
Date & Time Acquired: 12/15/2021 7:06:23 AM
Method File: G:\Org\PE1\Methods\211208G1020-2B%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

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

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.692	25.	19.684	78.74	-

GRO Area:59099.18 GRO Amount: 12.49497
TPH Area:1078927 TPH Amount: 237.2854



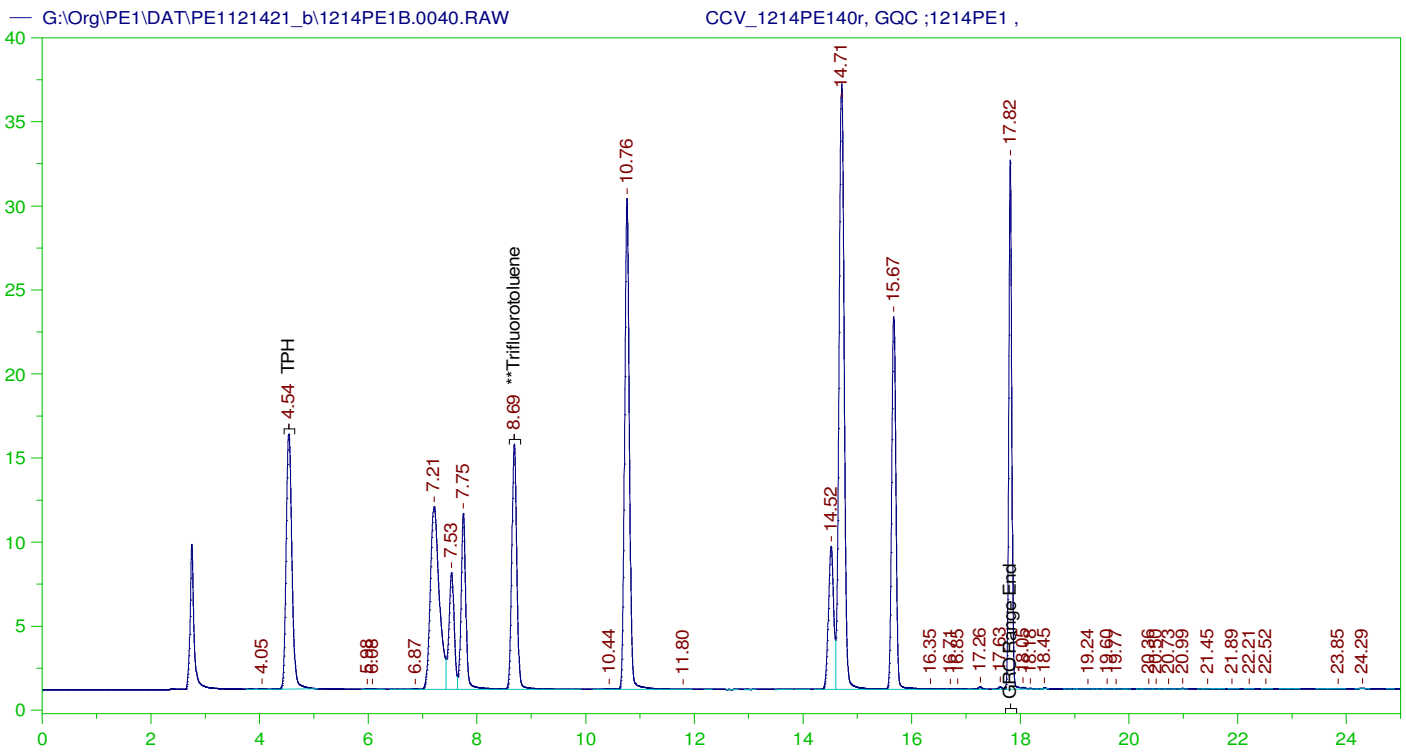
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
Raw File: G:\Org\PE1\DAT\PE1121421_b\1214PE1B.0039.RAW
Date & Time Acquired: 12/15/2021 7:40:38 AM
Method File: G:\Org\PE1\Methods\211208GROB.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

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

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.688	125.	93.184	74.55	-

GRO Area:2740.871 GRO Amount: 2.897425
TPH Area:9803.245 TPH Amount: 10.78001



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_1214PE140r, GQC ;1214PE1 ,
Raw File: G:\Org\PE1\DAT\PE1121421_b\1214PE1B.0040.RAW
Date & Time Acquired: 12/15/2021 8:14:55 AM
Method File: G:\Org\PE1\Methods\211208GROB.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

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

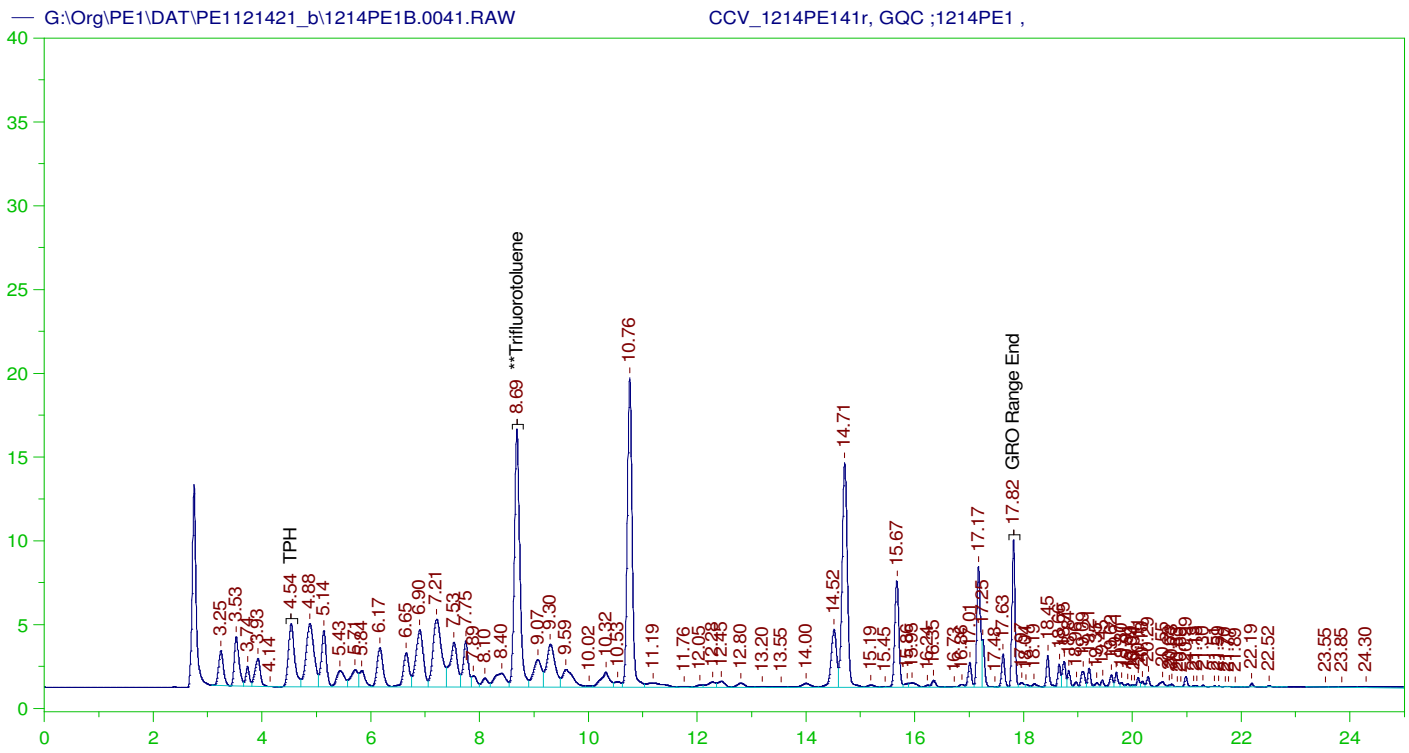
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.687	125.	99.427	79.54	-

GRO Area:1070544 GRO Amount: 1131.692
TPH Area:1073101 TPH Amount: 1180.021

CONTINUING CALIBRATION REPORT: G:\Org\PE1\DAT\PE1121421_b\1214PE1B.0040.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
GRO	840.	1131.69	134.73	85-115
TPH	1000.	1180.02	118.	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	8.687	125.	99.427	79.54	85-115



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_1214PE141r, GQC ;1214PE1 ,
Raw File: G:\Org\PE1\DAT\PE1121421_b\1214PE1B.0041.RAW
Date & Time Acquired: 12/15/2021 8:49:11 AM
Method File: G:\Org\PE1\Methods\211208GCCV1214_41B%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

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

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.687	125.	113.242	90.59	-

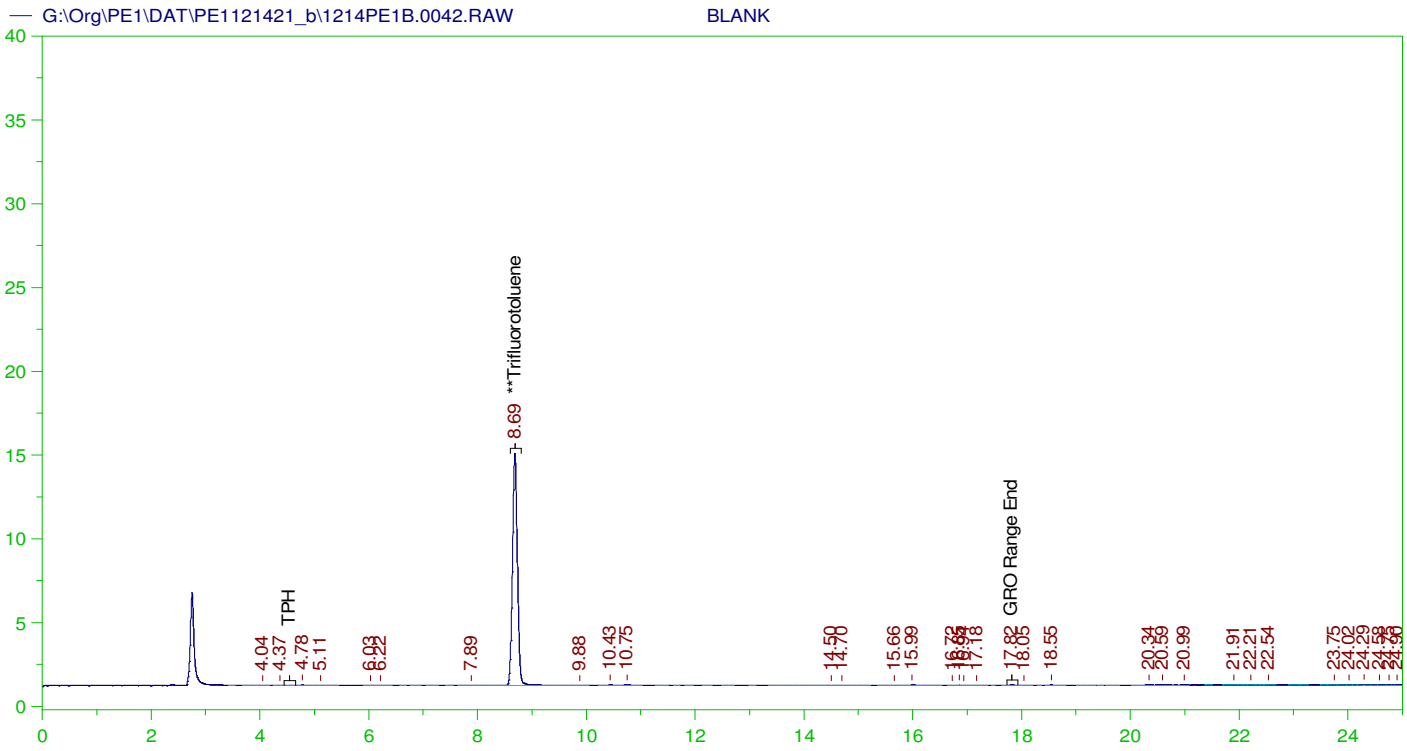
GRO Area:757757.3 GRO Amount: 801.0392
TPH Area:875437.1 TPH Amount: 962.6625

CONTINUING CALIBRATION REPORT: G:\Org\PE1\DAT\PE1121421_b\1214PE1B.0041.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
GRO	840.	801.04	95.36	85-115
TPH	1000.	962.66	96.27	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	8.687	125.	113.242	90.59	85-115

G:\org\PE1\dat\PE1121421_b\Review\041_CCV_1214PE141r_211208GCCV1214_41B%.xls



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
Raw File: G:\Org\PE1\DAT\PE1121421_b\1214PE1B.0042.RAW
Date & Time Acquired: 12/15/2021 9:23:45 AM
Method File: G:\Org\PE1\Methods\211208GROB.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

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

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.687	125.	94.243	75.39	-

GRO Area:3582.042 GRO Amount: 3.786643
TPH Area:6667.907 TPH Amount: 7.332273

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\PE1121421_b\1214PE1.01r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1121421_b\1214PE1.02r	CCV_1214PE102r, GQC ;1214PE1 ,	G:\Org\PE1\Methods\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1121421_b\1214PE1.03r	CCV_1214PE103r, GQC ;1214PE1 ,	G:\Org\PE1\Methods\21120	1	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\PE1\DAT\PE1121421_b\1214PE1.04r	LCS_1214PE104r, GQC ;1214PE1 ,	G:\Org\PE1\Methods\21120	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\PE1\DAT\PE1121421_b\1214PE1.05r	MBLK_1214PE105r, QC ;1214PE1 ,	G:\Org\PE1\Methods\21120	5	1	1	1	0	None
G:\Org\PE1\DAT\PE1121421_b\1214PE1.06r	B21121001-001C ;1214PE1 , $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\PE1121421_b\1214PE1.07r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1121421_b\1214PE1.08r	B21121001-003A ;1214PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0	None
G:\Org\PE1\DAT\PE1121421_b\1214PE1.09r	B21121001-005A ;1214PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0	None
G:\Org\PE1\DAT\PE1121421_b\1214PE1.10r	B21121012-003A ;1214PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0	None
G:\Org\PE1\DAT\PE1121421_b\1214PE1.11r	B21121014-002A ;1214PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0	None
G:\Org\PE1\DAT\PE1121421_b\1214PE1.12r	B21121019-005A ;1214PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0	None
G:\Org\PE1\DAT\PE1121421_b\1214PE1.13r	B21121019-007A ;1214PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0	None
G:\Org\PE1\DAT\PE1121421_b\1214PE1.14r	B21121019-008A ;1214PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0	None
G:\Org\PE1\DAT\PE1121421_b\1214PE1.15r	B21121020-003A ;1214PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0	None
G:\Org\PE1\DAT\PE1121421_b\1214PE1.16r	B21121020-005A ;1214PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0	None
G:\Org\PE1\DAT\PE1121421_b\1214PE1.17r	B21121001-001CMS, GQC ;1214PE1 , $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\PE1121421_b\1214PE1.18r	B21121001-001CMSD, GQC ;1214PE1 , $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\PE1121421_b\1214PE1.19r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1121421_b\1214PE1.20r	CCV_1214PE120r, GQC ;1214PE1 ,	G:\Org\PE1\Methods\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1121421_b\1214PE1.21r	CCV_1214PE121r, GQC ;1214PE1 ,	G:\Org\PE1\Methods\21120	1	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\PE1\DAT\PE1121421_b\1214PE1.22r	LCS_1214PE122r, GQC ;1214PE1 ,	G:\Org\PE1\Methods\21120	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\PE1\DAT\PE1121421_b\1214PE1.23r	MBLK_1214PE123r, QC ;1214PE1 ,	G:\Org\PE1\Methods\21120	5	1	1	1	0	None

G:\Org\PE1\DAT\PE1121421_b\1214PE1.24r	B21121001-002C ;1214PE1 , $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\PE1121421_b\1214PE1.25r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1121421_b\1214PE1.26r	B21121012-001C ;1214PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0	None
G:\Org\PE1\DAT\PE1121421_b\1214PE1.27r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1121421_b\1214PE1.28r	B21121014-001C ;1214PE1 , $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\PE1121421_b\1214PE1.29r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1121421_b\1214PE1.30r	B21121019-001C ;1214PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0	None
G:\Org\PE1\DAT\PE1121421_b\1214PE1.31r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1121421_b\1214PE1.32r	B21121019-002C ;1214PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0	None
G:\Org\PE1\DAT\PE1121421_b\1214PE1.33r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1121421_b\1214PE1.34r	B21121019-003C ;1214PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0	None
G:\Org\PE1\DAT\PE1121421_b\1214PE1.35r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1121421_b\1214PE1.36r	B21121020-001C ;1214PE1 , $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\PE1121421_b\1214PE1.37r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1121421_b\1214PE1.38r	B21121020-002C ;1214PE1 , $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\PE1121421_b\1214PE1.39r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1121421_b\1214PE1.40r	CCV_1214PE140r, GQC ;1214PE1 ,	G:\Org\PE1\Methods\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1121421_b\1214PE1.41r	CCV_1214PE141r, GQC ;1214PE1 ,	G:\Org\PE1\Methods\21120	1	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\PE1\DAT\PE1121421_b\1214PE1.42r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0	None

Josie M Pickard
Chemist

Digitally signed by
Josie Pickard
Date: 2022.01.17 10:28:49 -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

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**

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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**

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CERTIFICATE OF ANALYSIS

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

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

QR-ORG/INO-001
Rev. 7/11

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

Page: *1 of 1*

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**

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*

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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

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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**

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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**

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CERTIFICATE OF ANALYSIS

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

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:	TFT211214		
Standard Name	TFT (1.05uL)	Type:	Secondary
Date Prepared	12/14/2021	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**

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*

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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.