Energy Laboratories Inc

ANALYTICAL RUN Summary

14-Jan-22

Run ID PE 1_211208B

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

Instrument ID	Description
VOC1-14	2-Place Balance

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

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14910960	CCV_1208PE12	HC-8015-GRO-	CCV		12/8/2021 10:39:	1	R371441		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Gasoline Range Organics (GRO)	A	ug/L	245.5184	245.5184		168	0	0	2.32	20	0	146%	80	120	0%	S
Total Purgeable Hydrocarbons	A	ug/L	256.3839	256.3839		200	0	0	3.56	20	0	128%	80	120	0%	S
Trifluorotoluene	S	ug/L	21.39915	21.39915		25	0	0	0.0743	1	0	86%	80	120	0%	
GRO as Gasoline	X	ug/L	245.5184	245.5184		0	0	0	2.32	20	0	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14910961	CCV_1208PE12	HC-8015-GRO-	CCV		12/9/2021 12:59:	1	R371441		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Gasoline Range Organics (GRO)	A	ug/L	16.13485	16.13485		16.8	0	0	2.32	20	0	96%	80	120	0%	
Total Purgeable Hydrocarbons	A	ug/L	18.94534	18.94534		20	0	0	3.56	20	0	95%	80	120	0%	
Trifluorotoluene	S	ug/L	1.062791	1.062791		1	0	0	0.0743	1	0	106%	80	120	0%	
GRO as Gasoline	X	ug/L	16.13485	16.13485		0	0	0	2.32	20	0	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14910962	CCV_1208PE12	HC-8015-GRO-	CCV		12/9/2021 1:34:2	1	R371441		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Gasoline Range Organics (GRO)	A	ug/L	84.50686	84.50686		84	0	0	2.32	20	0	101%	80	120	0%	
Total Purgeable Hydrocarbons	A	ug/L	100.3098	100.3098		100	0	0	3.56	20	0	100%	80	120	0%	
Trifluorotoluene	S	ug/L	5.58406	5.58406		5	0	0	0.0743	1	0	112%	80	120	0%	
GRO as Gasoline	X	ug/L	84.50686	84.50686		0	0	0	2.32	20	0	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14910963	CCV_1208PE12	HC-8015-GRO-	CCV		12/9/2021 2:09:2	1	R371441		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Gasoline Range Organics (GRO)	A	ug/L	169.3677	169.3677		168	0	0	2.32	20	0	101%	80	120	0%	
Total Purgeable Hydrocarbons	A	ug/L	201.89	201.89		200	0	0	3.56	20	0	101%	80	120	0%	
Trifluorotoluene	S	ug/L	23.42411	23.42411		25	0	0	0.0743	1	0	94%	80	120	0%	
GRO as Gasoline	X	ug/L	169.3677	169.3677		0	0	0	2.32	20	0	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14910964	CCV_1208PE12	HC-8015-GRO-	CCV		12/9/2021 2:44:2	1	R371441		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Gasoline Range Organics (GRO)	A	ug/L	849.1638	849.1638		840	0	0	2.32	20	0	101%	80	120	0%	
Total Purgeable Hydrocarbons	A	ug/L	1017.955	1017.955		1000	0	0	3.56	20	0	102%	80	120	0%	
Trifluorotoluene	S	ug/L	93.30469	93.30469		100	0	0	0.0743	1	0	93%	80	120	0%	
GRO as Gasoline	X	ug/L	849.1638	849.1638		0	0	0	2.32	20	0	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14910965	CCV_1208PE13	HC-8015-GRO-	CCV		12/9/2021 3:19:3	1	R371441		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Gasoline Range Organics (GRO)	A	ug/L	1704.373	1704.373		1680	0	0	2.32	20	0	101%	80	120	0%	
Total Purgeable Hydrocarbons	A	ug/L	2044.461	2044.461		2000	0	0	3.56	20	0	102%	80	120	0%	
Trifluorotoluene	S	ug/L	190.0902	190.0902		200	0	0	0.0743	1	0	95%	80	120	0%	
GRO as Gasoline	X	ug/L	1704.373	1704.373		0	0	0	2.32	20	0	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14910966	LCS_1208PE13	HC-8015-GRO-	LCS		12/9/2021 4:29:4	1	R371441		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Gasoline Range Organics (GRO)	A	ug/L	170.5147	170.5147		170	0	0	2.32	20	0	100%	80	120	0%	
Total Purgeable Hydrocarbons	A	ug/L	208.3308	208.3308		200	0	0	3.56	20	0	104%	80	120	0%	
Trifluorotoluene	S	ug/L	22.09964	22.09964		25	0	0	0.0743	1	0	88%	80	120	0%	
GRO as Gasoline	X	ug/L	170.5147	170.5147		170	0	0	2.32	20	0	100%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14910967	CCV_1208PE13	HC-8015-GRO-	CCV		12/9/2021 5:04:4	1	R371441		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Gasoline Range Organics (GRO)	A	ug/L	169.2249	169.2249		168	0	0	2.32	20	0	101%	80	120	0%	
Total Purgeable Hydrocarbons	A	ug/L	202.0202	202.0202		200	0	0	3.56	20	0	101%	80	120	0%	
Trifluorotoluene	S	ug/L	23.20175	23.20175		25	0	0	0.0743	1	0	93%	80	120	0%	
GRO as Gasoline	X	ug/L	169.2249	169.2249		0	0	0	2.32	20	0	0%	0	0	0%	

Write Sequence | Insert Entries(Have the first cell for entries selecte

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

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

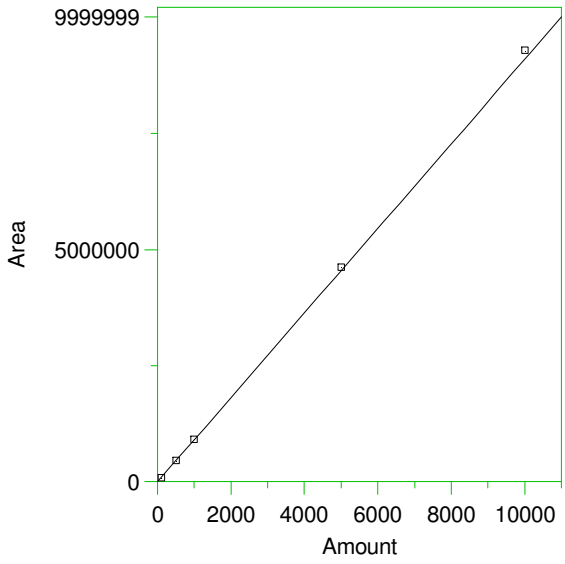
Creator: jmp
Description: 8015 GRO Composite Gasoline Std 12/8/21
Reason for change:

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

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

All levels are normal data points.

1 TPH



Expected retention time: 4.55 minutes
Search window: 0.1 minutes
No retention time reference component
Group number: 1

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

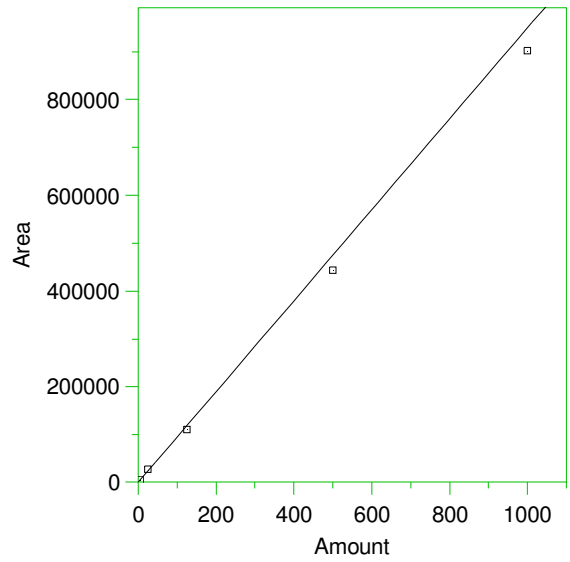
Single peak quantification by area

Y = 909.3915 X + 0

Average CF fit with equal weighting, forced to origin
Coefficient of determination: 0.9992262
Average error: 2.109%
Average CF: 909.3915
RSD: 3.040%

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

2 **Trifluorotoluene



Expected retention time: 8.7 minutes
Search window: 0.1 minutes
No retention time reference component
Group number: 1

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

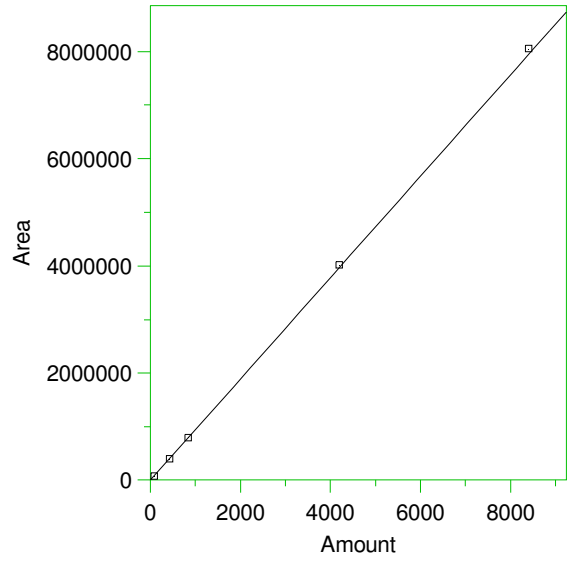
Single peak quantification by area

Y = 949.8164 X + 0

Average CF fit with equal weighting, forced to origin
Coefficient of determination: 0.9943398
Average error: 7.181%
Average CF: 949.8164
RSD: 8.439%

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

3 GRO Range End



Expected retention time: 17.83 minutes
Search window: 0.1 minutes
No retention time reference component
Group number: 1

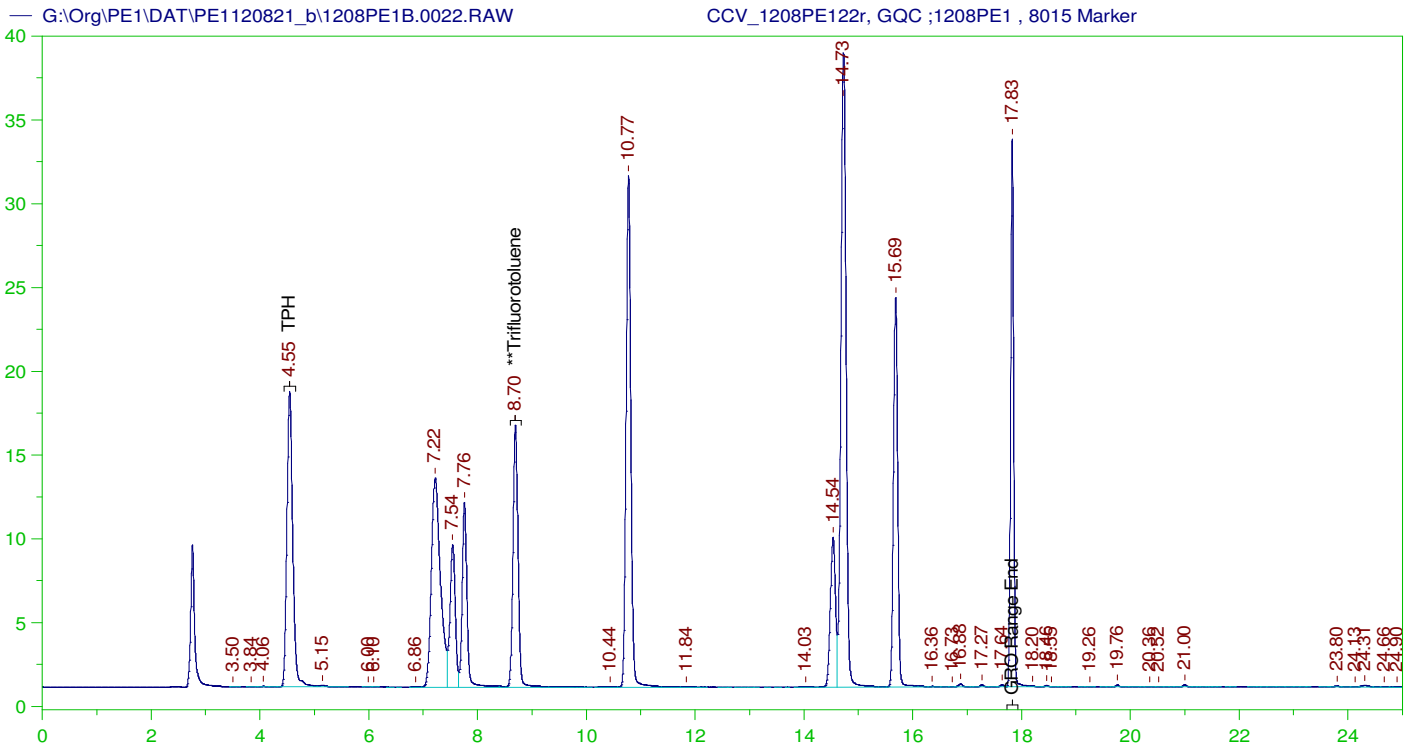
High alarm limit: 1000000
Low alarm limit: 1000
Component constant: 1

Single peak quantification by area

Y = 945.9678 X + 0

Average CF fit with equal weighting, forced to origin
Coefficient of determination: 0.9996708
Average error: 1.584%
Average CF: 945.9678
RSD: 2.236%

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



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

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

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

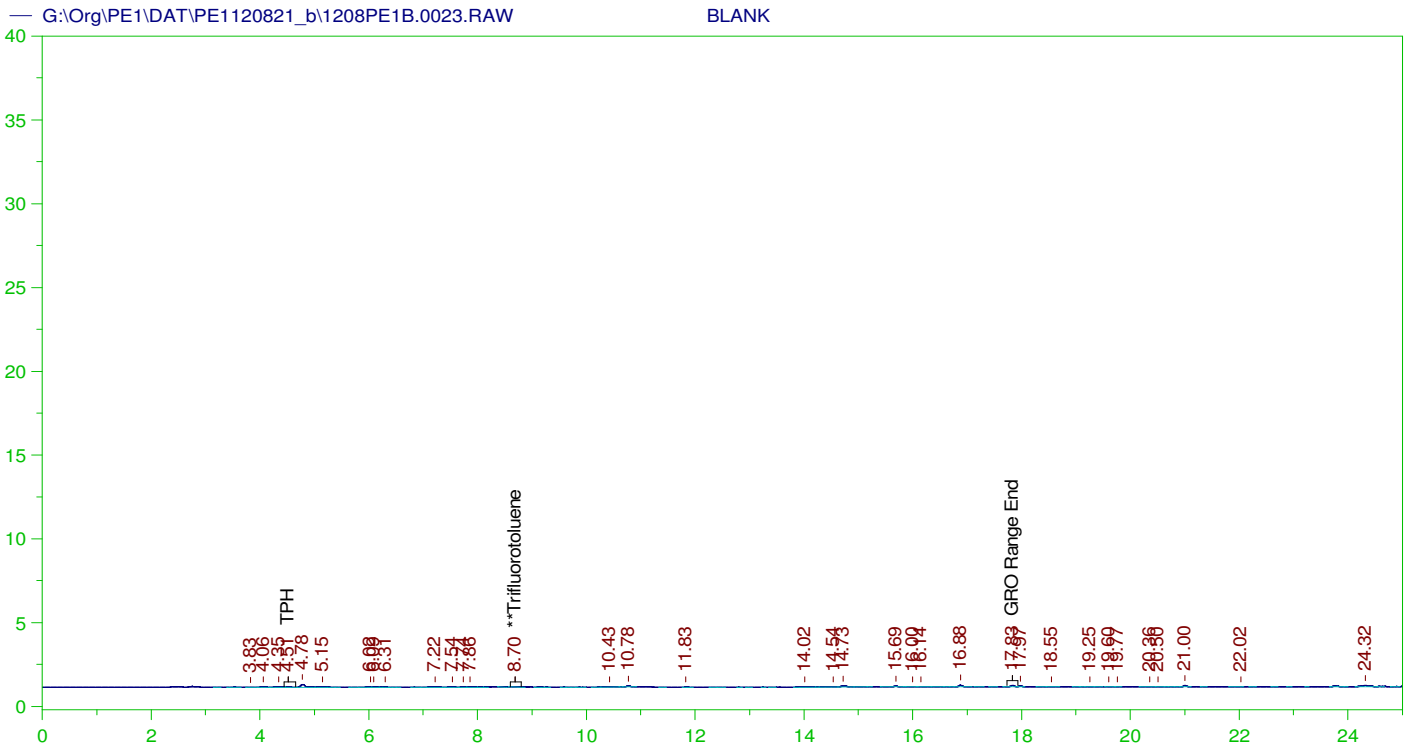
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.697	125.	106.996	85.6	-

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

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

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

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



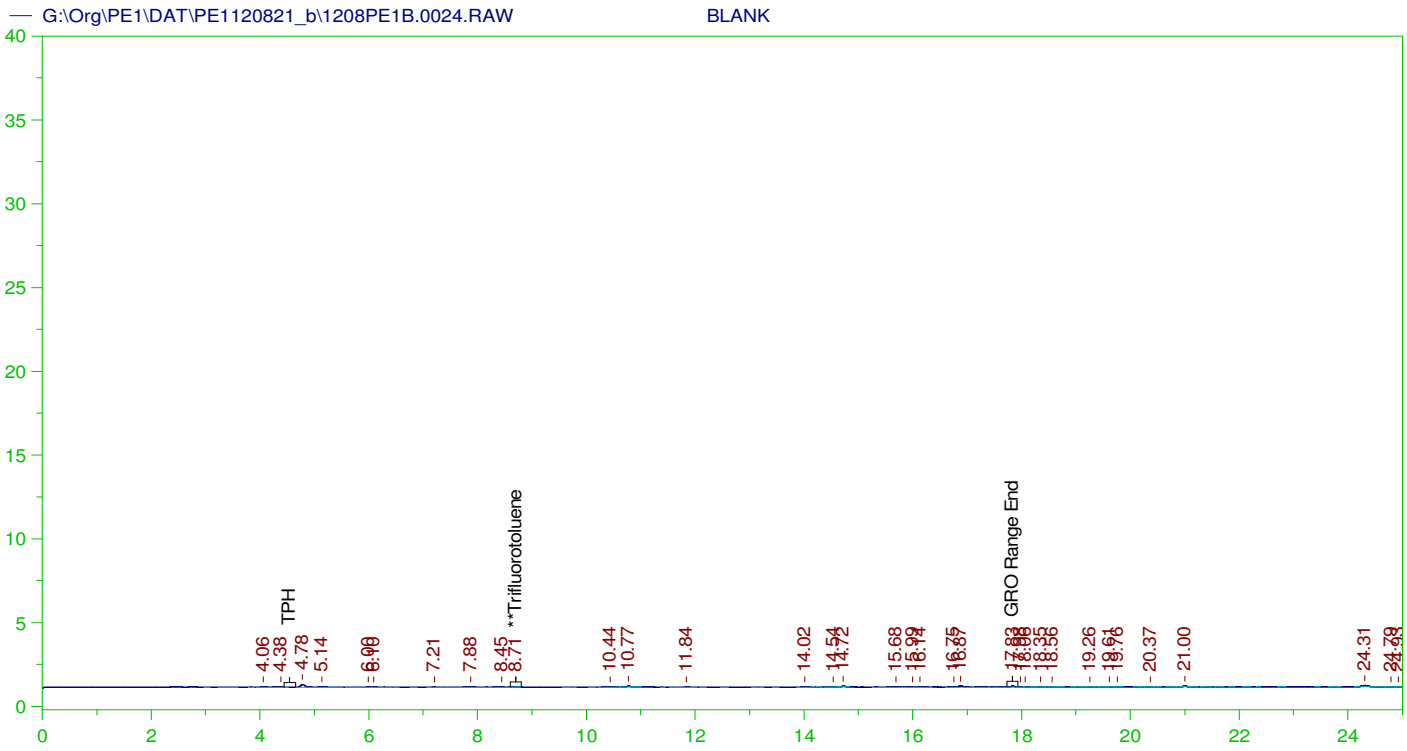
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

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

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

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

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



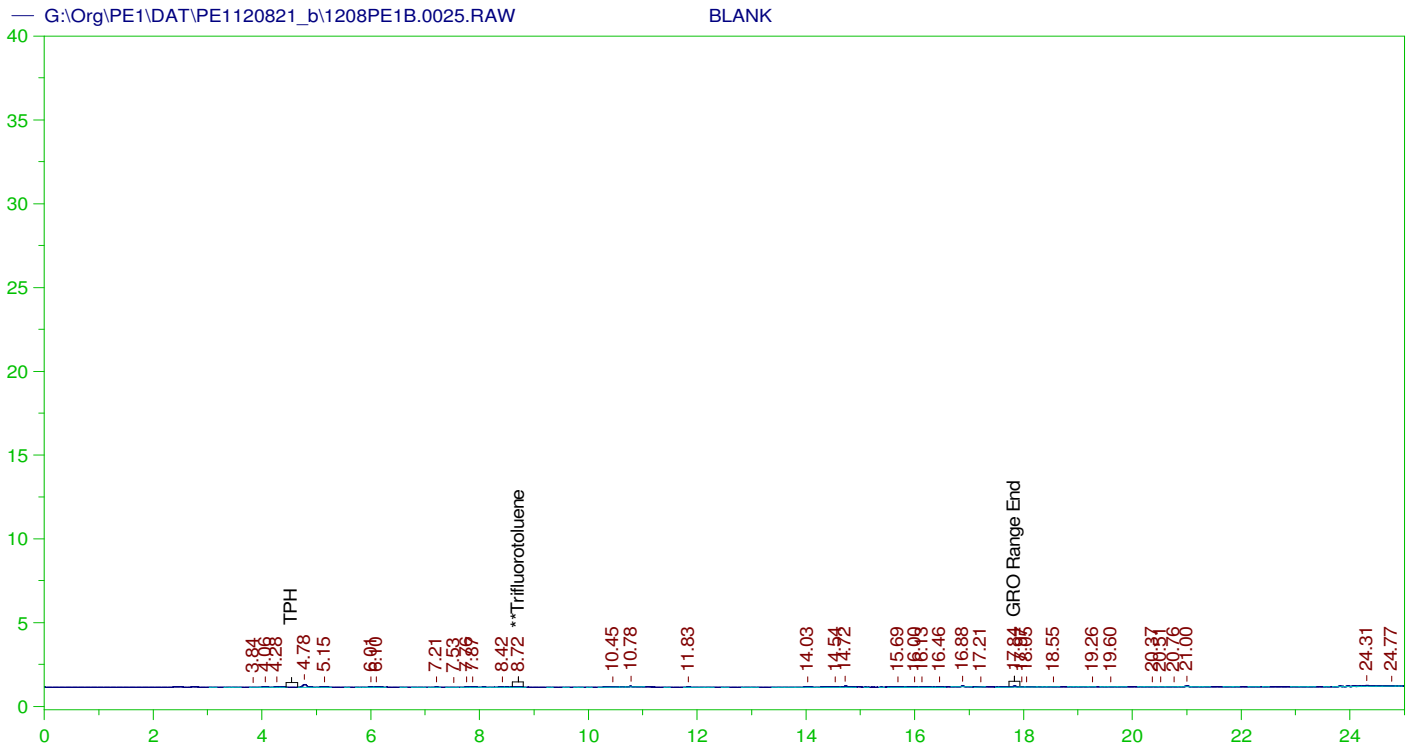
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

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

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

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

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



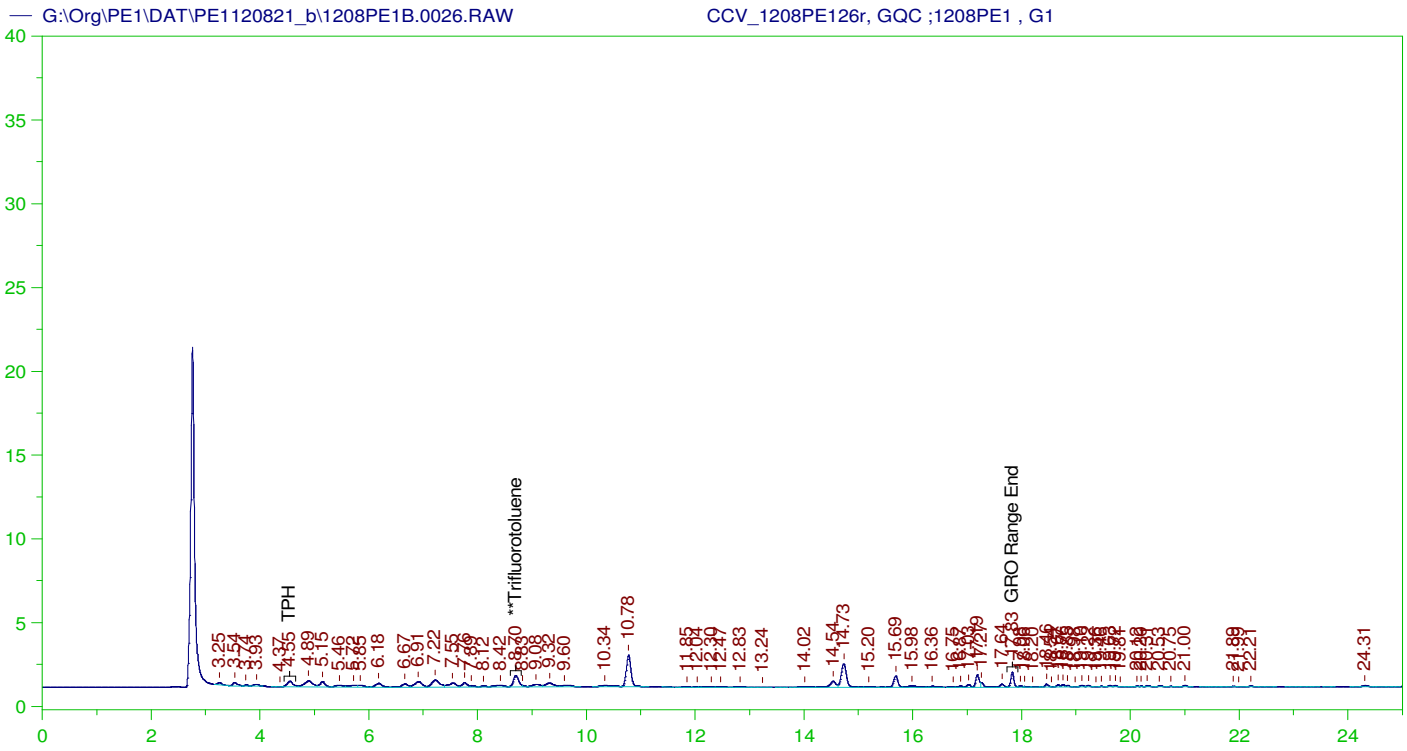
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

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

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

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

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



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

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

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

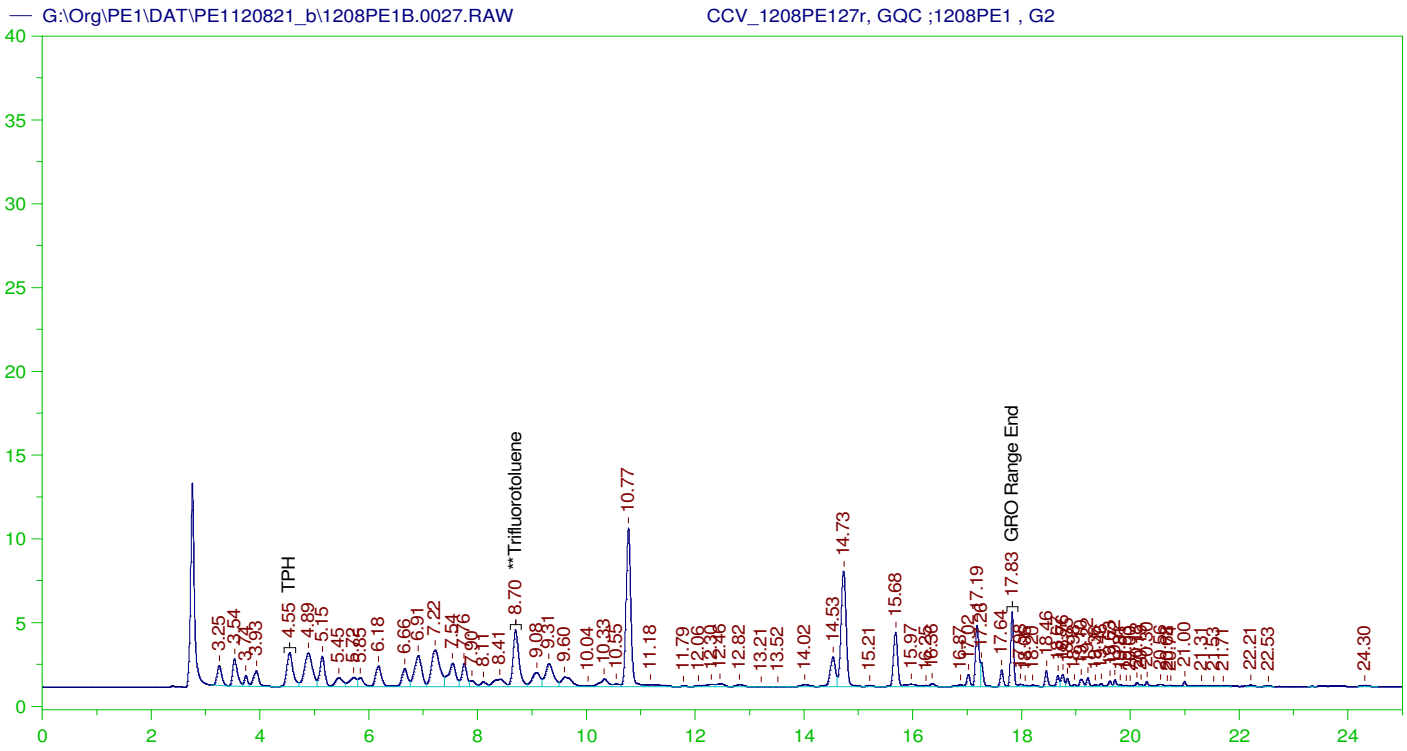
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.703	125.	5.314	4.25	-

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

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

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

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



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

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

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

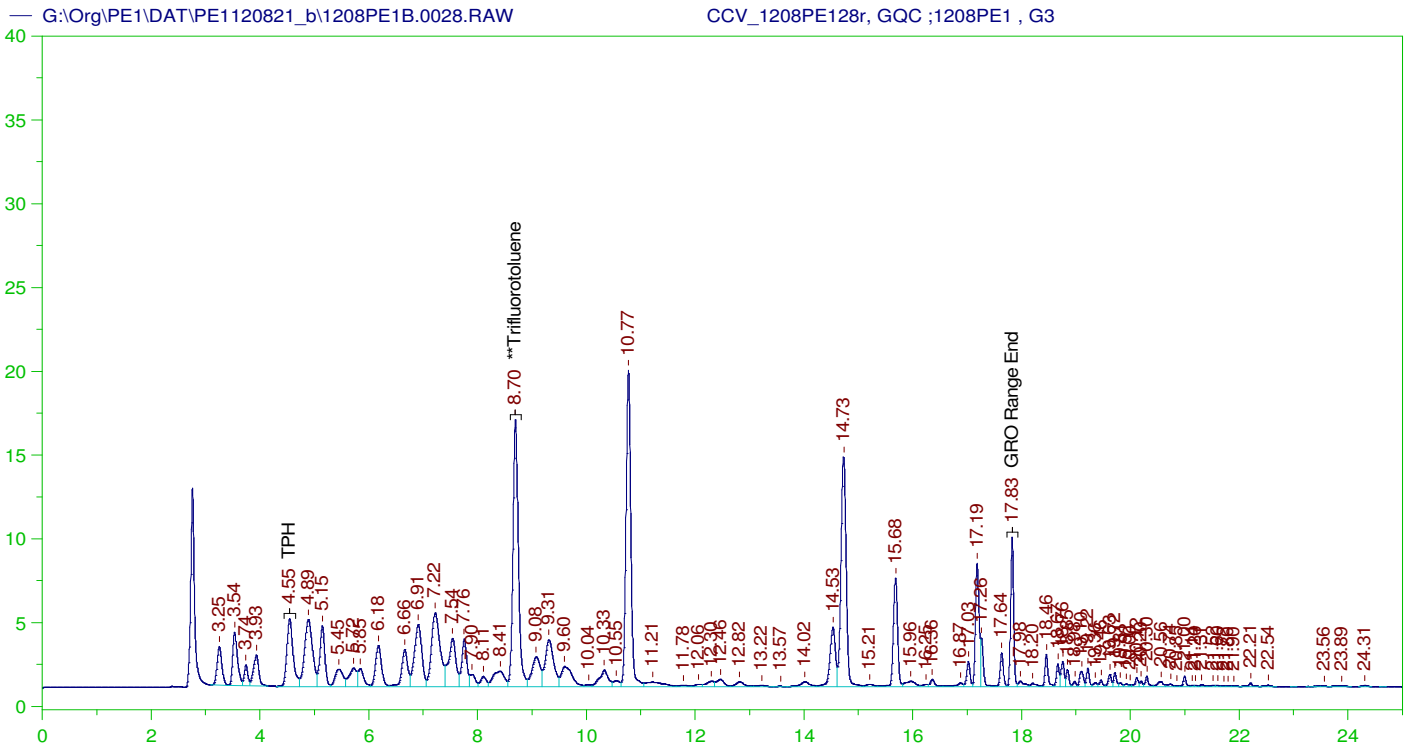
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.701	125.	27.92	22.34	-

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

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

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

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



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

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

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

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

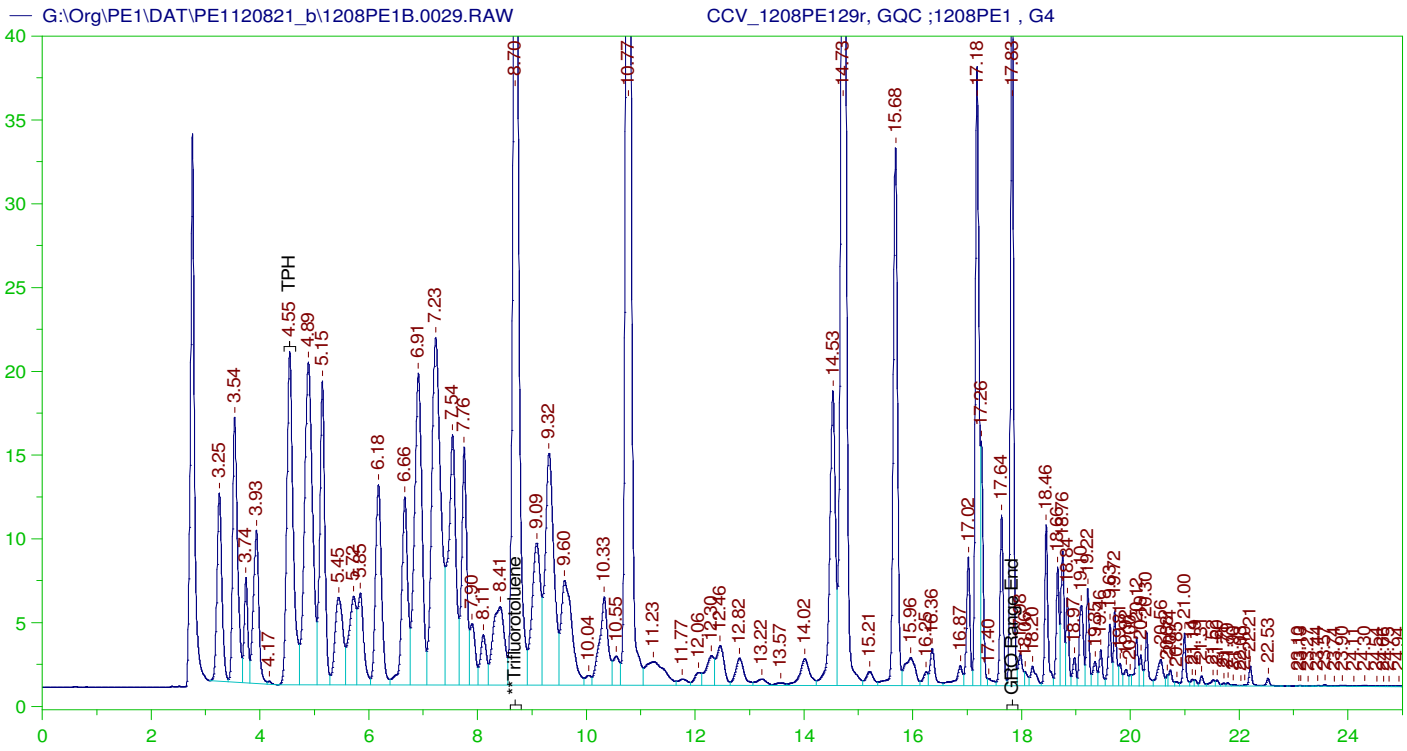
GRO Area:801082.1 GRO Amount: 846.8386
TPH Area:917985.1 TPH Amount: 1009.45

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

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

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

G:\org\PE1\dat\PE1120821_b\Review\028_CCV_1208PE128r_211208GROG3B%.xls



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

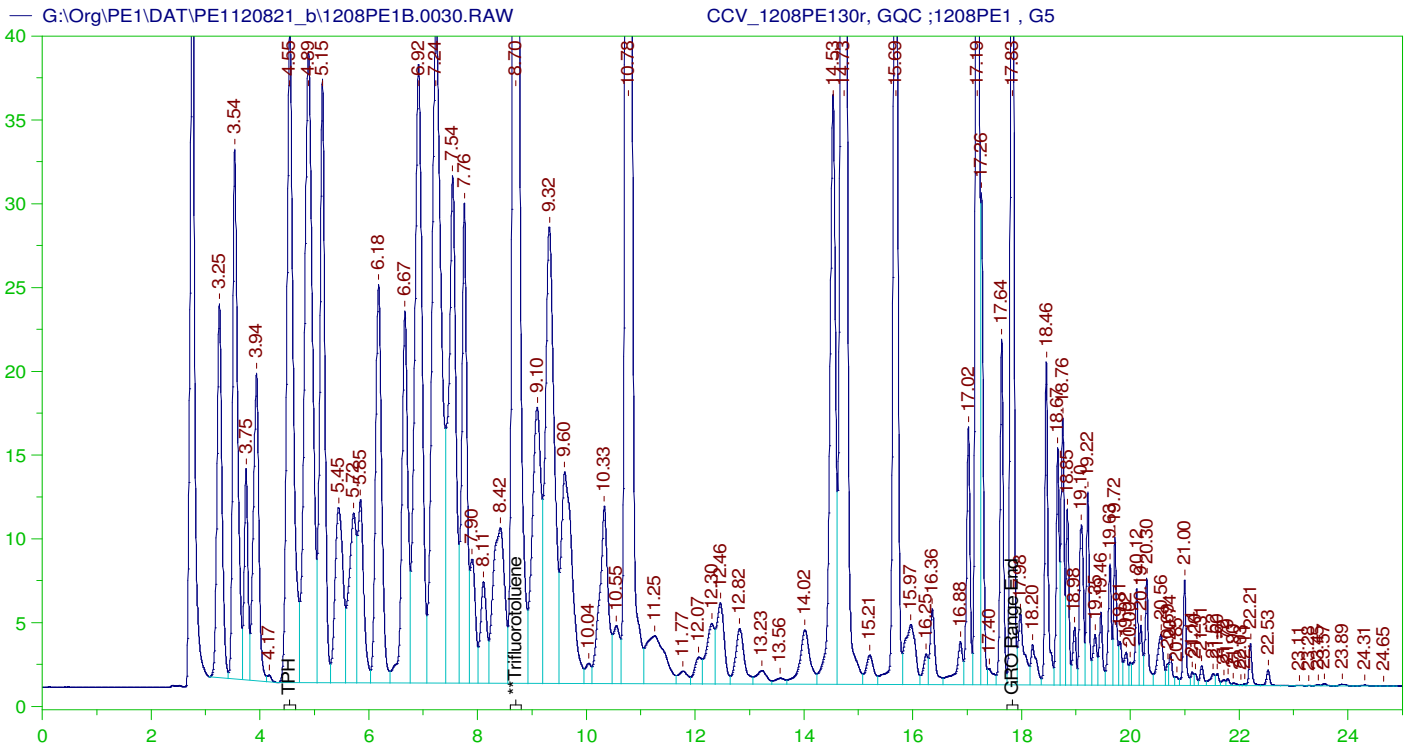
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.698	125.	466.523	373.22	-

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

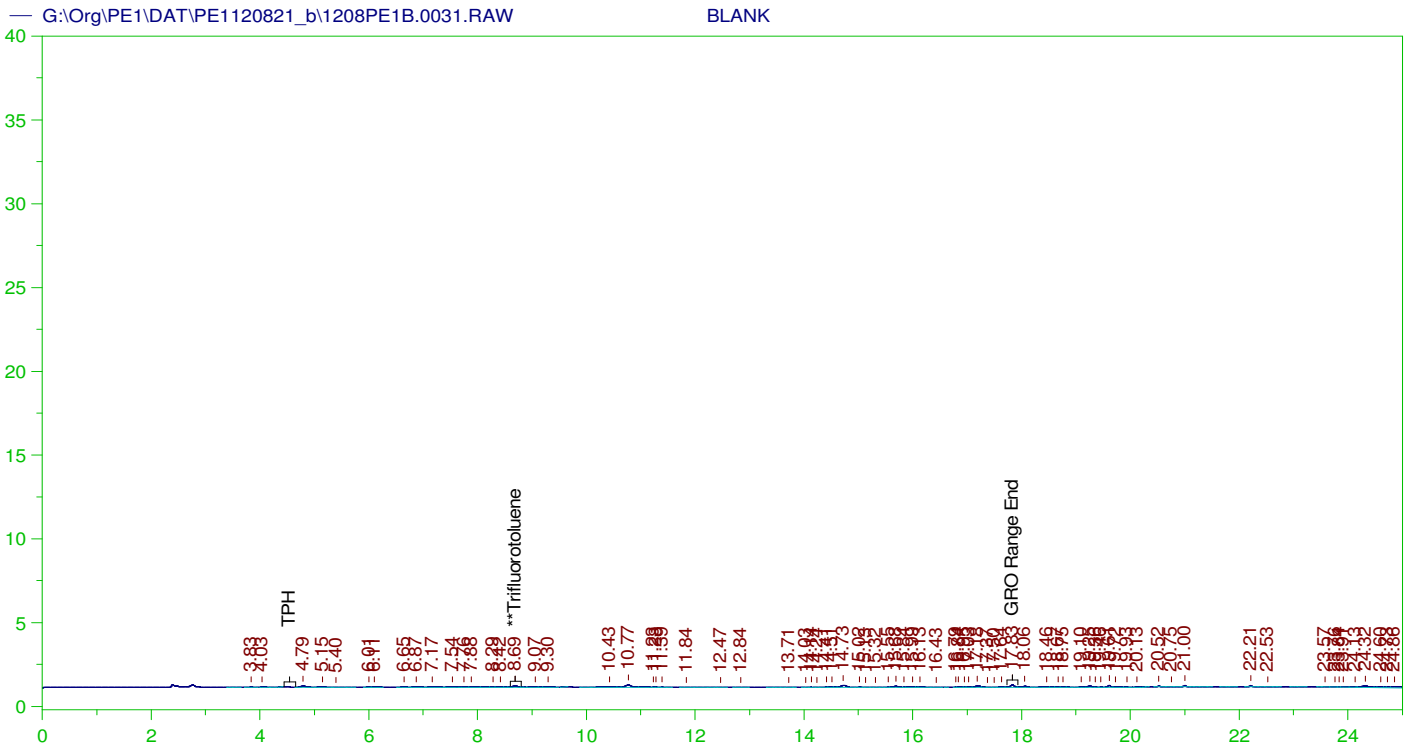
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.7	125.	950.451	760.36	-

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



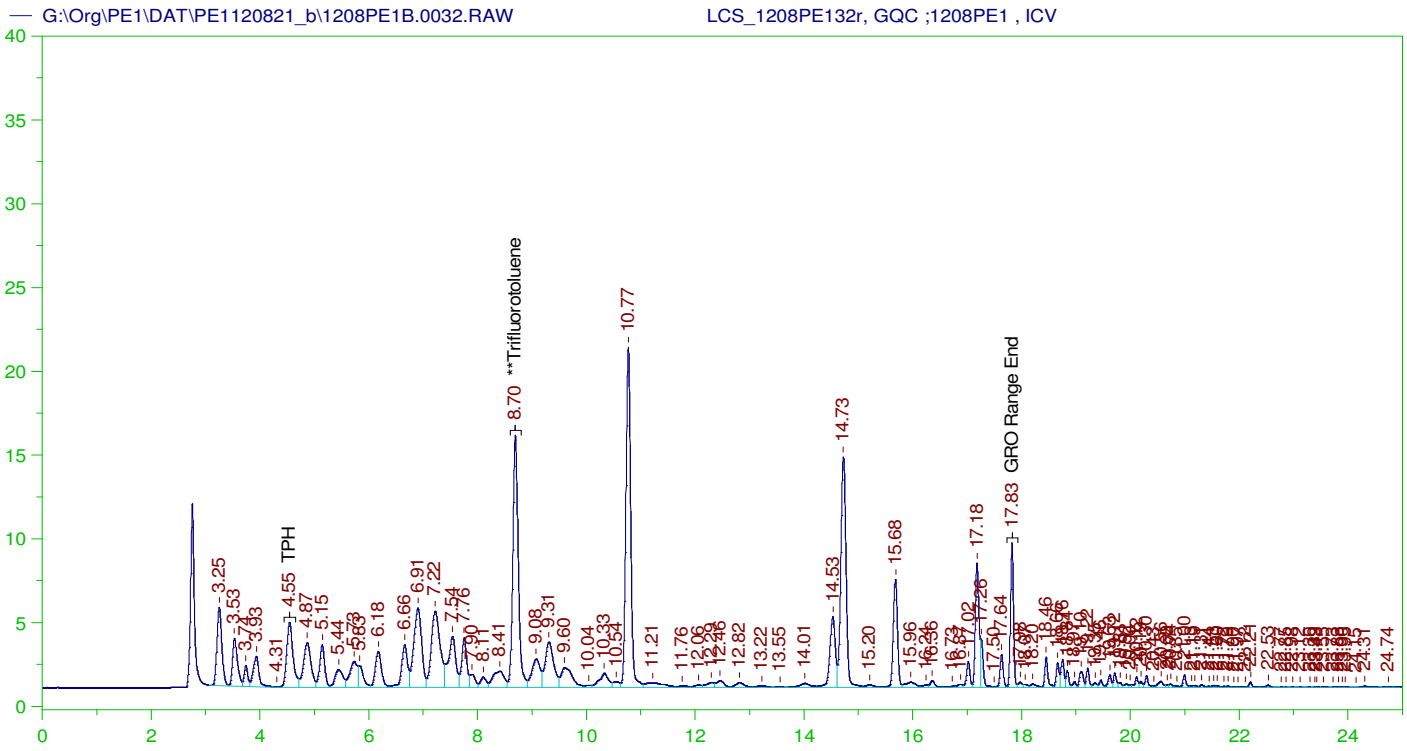
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

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



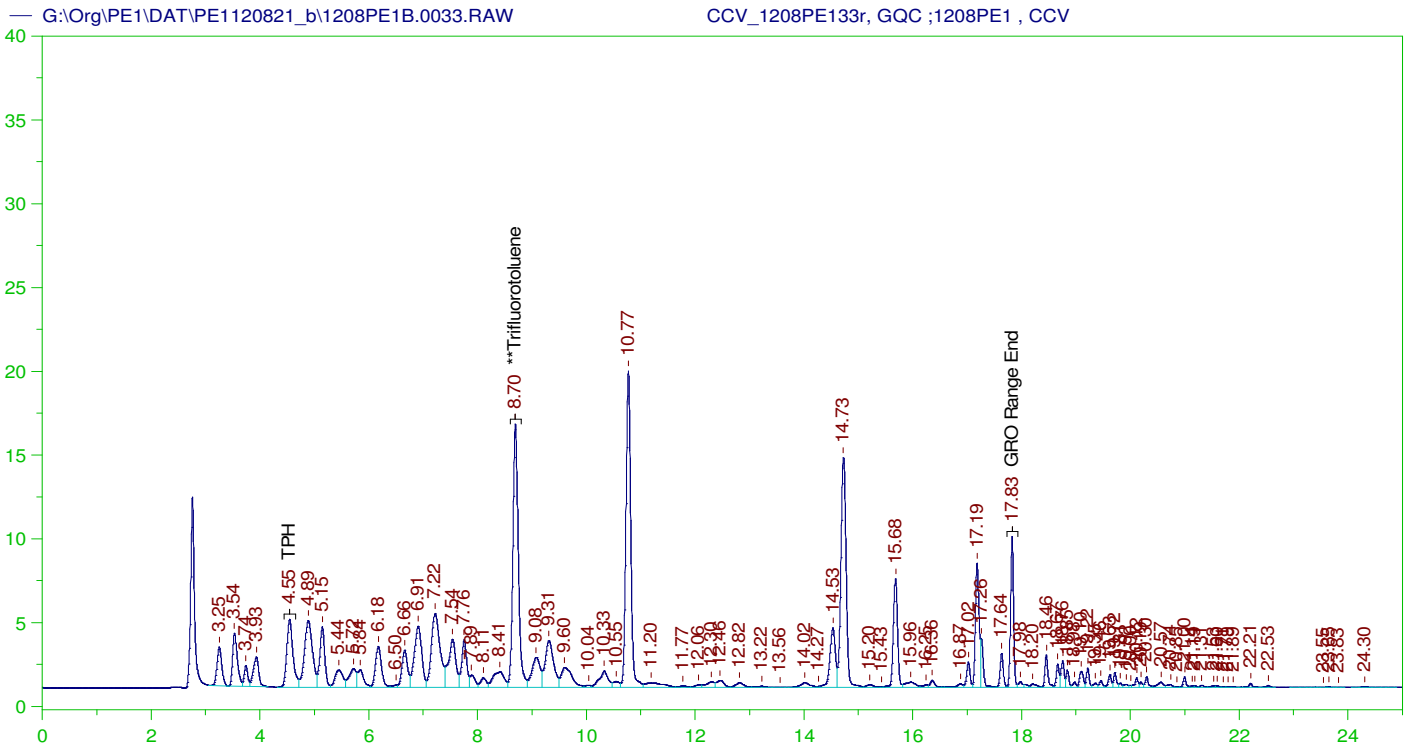
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

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	-

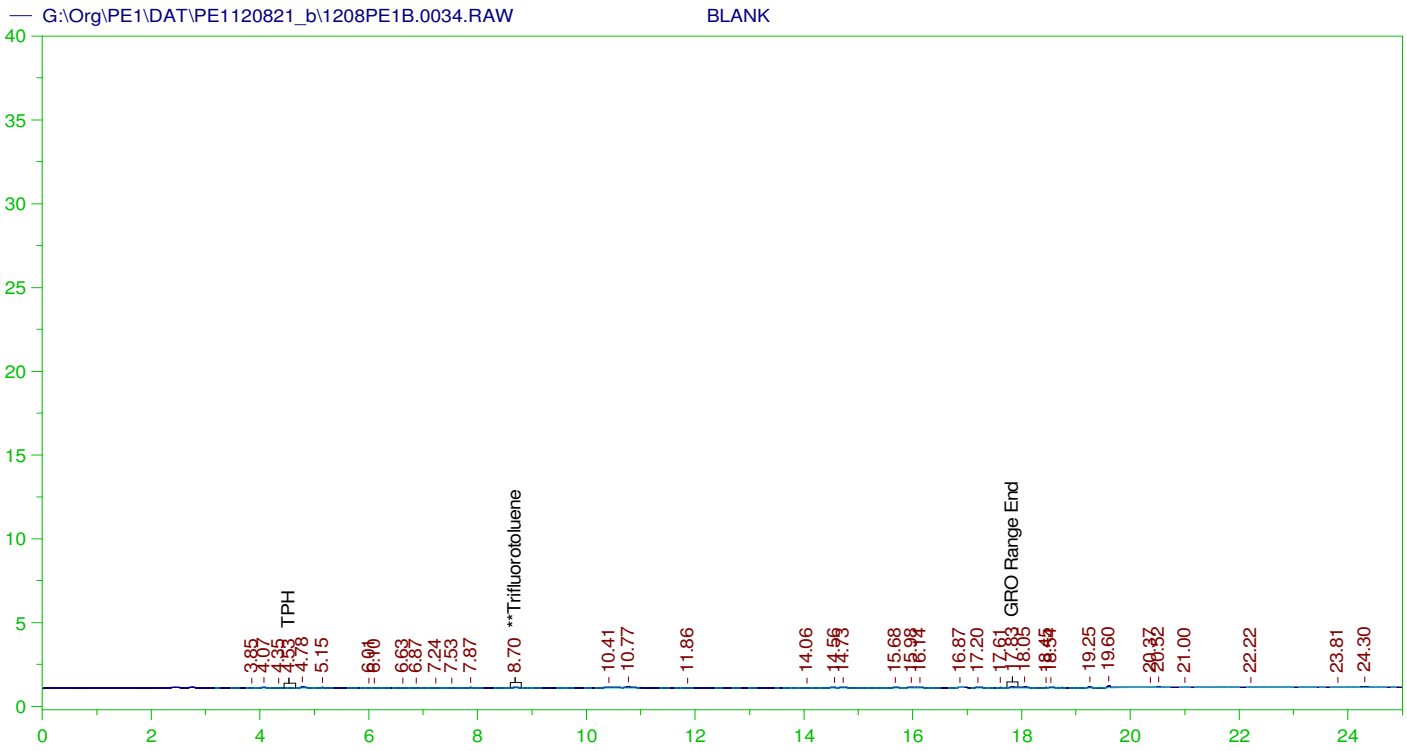
GRO Area:800406.4 GRO Amount: 846.1245
TPH Area:918577.3 TPH Amount: 1010.101

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

G:\org\PE1\dat\PE1120821_b\Review\033_CCV_1208PE133r_211208GROCCVB%.xls



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_211210A

Run Start Date:	12/10/2021
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
TFT211208	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
14916336	CCV_1210PE10	HC-8015-GRO-	SAMP		12/10/2021 10:2	1	R371606		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	250.6438	250.6438		0	0	0	10	20	0	0%	0	0	0%	
Gasoline Range Organics (GRO)	A	ug/L	250.6438	250.6438		0	0	0	2.32	20	0	0%	0	0	0%	
Total Purgeable Hydrocarbons	A	ug/L	261.2397	261.2397		0	0	0	3.56	20	0	0%	0	0	0%	
Trifluorotoluene	S	ug/L	20.89265	20.89265		25	0	0	0.0743	1	0	84%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14916337	CCV_1210PE10	HC-8015-GRO-	CCV		12/10/2021 10:5	1	R371606		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	175.2961	175.2961		168	0	0	2.32	20	0	104%	80	120	0%	
Gasoline Range Organics (GRO)	A	ug/L	175.2961	175.2961		168	0	0	2.32	20	0	104%	80	120	0%	
Total Purgeable Hydrocarbons	A	ug/L	209.1794	209.1794		200	0	0	3.56	20	0	105%	80	120	0%	
Trifluorotoluene	S	ug/L	23.6544	23.6544		25	0	0	0.0743	1	0	95%	80	120	0%	
GRO as Gasoline	X	ug/L	175.2961	175.2961		0	0	0	2.32	20	0	0%	0	0	0%	

1

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14916338	LCS_1210PE10	HC-8015-GRO-	LCS		12/10/2021 11:2	1	R371606		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	136.3132	136.3132		170	0	0	2.32	20	0	80%	78	122	0%	
Gasoline Range Organics (GRO)	A	ug/L	136.3132	136.3132		170	0	0	2.32	20	0	80%	70	130	0%	
Total Purgeable Hydrocarbons	A	ug/L	165.7856	165.7856		200	0	0	3.56	20	0	83%	70	130	0%	
Trifluorotoluene	S	ug/L	21.76059	21.76059		25	0	0	0.0743	1	0	87%	70	130	0%	
GRO as Gasoline	X	ug/L	136.3132	136.3132		170	0	0	2.32	20	0	80%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14916339	MBLK_1210PE	HC-8015-GRO-	MBLK		12/10/2021 12:0	1	R371606		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	0	0		0	0	0	2.32	10	0	0%	0	0	0%	
Gasoline Range Organics (GRO)	A	ug/L	0	0		0	0	0	2.32	10	0	0%	0	0	0%	
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	10	0	0%	0	0	0%	
Trifluorotoluene	S	ug/L	20.23501	20.23501		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
14916340	B21120381-004	HC-8015-GRO-	SAMP		12/10/2021 12:3	1	R371606		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Gasoline Range Organics (GRO)	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	19.90947	19.90947		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
14916341	B21120381-005	HC-8015-GRO-	SAMP		12/10/2021 1:46:	1	R371606		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	20.30608	20.30608		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
14916341	B21120381-005	HC-8015-GRO-	SAMP		12/10/2021 1:46:	1	R371606		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
14916342	B21120381-006	HC-8015-GRO-	SAMP		12/10/2021 2:55:	1	R371606		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Gasoline Range Organics (GRO)	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	19.97438	19.97438		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
14916343	B21120381-007	HC-8015-GRO-	SAMP		12/10/2021 4:03:	1	R371606		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	2.834864	2.834864		0	0	0	2.32	20	0	0%	0	0	0%	J
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	10.03837	10.03837		0	0	0	3.56	20	0	0%	0	0	0%	J
Trifluorotoluene	S	ug/L	19.53706	19.53706		25	0	0	0.0743	1	0	78%	70	130	0%	
GRO as Gasoline	X	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14916344	B21120381-008	HC-8015-GRO-	SAMP		12/10/2021 5:12:	1	R371606		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Gasoline Range Organics (GRO)	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	19.94371	19.94371		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
14916345	B21120381-009	HC-8015-GRO-	SAMP		12/10/2021 6:21:	1	R371606		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Gasoline Range Organics (GRO)	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	19.45671	19.45671		25	0	0	0.0743	1	0	78%	70	130	0%	
GRO as Gasoline	X	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14916346	B21120381-010	HC-8015-GRO-	SAMP		12/10/2021 6:55:	1	R371606		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Gasoline Range Organics (GRO)	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	19.15894	19.15894		25	0	0	0.0743	1	0	77%	70	130	0%	
GRO as Gasoline	X	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14916347	B21120381-011	HC-8015-GRO-	SAMP		12/10/2021 7:29:	1	R371606		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Gasoline Range Organics (GRO)	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	19.47782	19.47782		25	0	0	0.0743	1	0	78%	70	130	0%	
GRO as Gasoline	X	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14916348	B21120381-012	HC-8015-GRO-	SAMP		12/10/2021 8:04:	1	R371606		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Gasoline Range Organics (GRO)	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	19.46524	19.46524		25	0	0	0.0743	1	0	78%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14916348	B21120381-012	HC-8015-GRO-	SAMP		12/10/2021 8:04:	1	R371606		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
14916349	B21120396-002	HC-8015-GRO-	SAMP		12/10/2021 8:38:	1	R371606		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Gasoline Range Organics (GRO)	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	19.70688	19.70688		25	0	0	0.0743	1	0	79%	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
14916350	CCV_1210PE12	HC-8015-GRO-	SAMP		12/10/2021 9:47:	1	R371606		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	253.2366	253.2366		0	0	0	2.32	20	0	0%	0	0	0%	
Gasoline Range Organics (GRO)	A	ug/L	253.2366	253.2366		0	0	0	2.32	20	0	0%	0	0	0%	
Total Purgeable Hydrocarbons	A	ug/L	264.1168	264.1168		0	0	0	3.56	20	0	0%	0	0	0%	
Trifluorotoluene	S	ug/L	20.37422	20.37422		25	0	0	0.0743	1	0	81%	70	130	0%	
GRO as Gasoline	X	ug/L	253.2366	253.2366		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
14916351	CCV_1210PE12	HC-8015-GRO-	CCV		12/10/2021 10:2	1	R371606		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	169.8292	169.8292		168	0	0	2.32	20	0	101%	80	120	0%	
Gasoline Range Organics (GRO)	A	ug/L	169.8292	169.8292		168	0	0	2.32	20	0	101%	80	120	0%	
Total Purgeable Hydrocarbons	A	ug/L	203.6848	203.6848		200	0	0	3.56	20	0	102%	80	120	0%	
Trifluorotoluene	S	ug/L	22.38626	22.38626		25	0	0	0.0743	1	0	90%	80	120	0%	
GRO as Gasoline	X	ug/L	169.8292	169.8292		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
14916352	LCS_1210PE12	HC-8015-GRO-	LCS		12/10/2021 10:5	1	R371606		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	175.071	175.071		170	0	0	2.32	20	0	103%	78	122	0%	
Gasoline Range Organics (GRO)	A	ug/L	175.071	175.071		170	0	0	2.32	20	0	103%	70	130	0%	
Total Purgeable Hydrocarbons	A	ug/L	213.4601	213.4601		200	0	0	3.56	20	0	107%	70	130	0%	
Trifluorotoluene	S	ug/L	22.24255	22.24255		25	0	0	0.0743	1	0	89%	70	130	0%	
GRO as Gasoline	X	ug/L	175.071	175.071		170	0	0	2.32	20	0	103%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14916353	MBLK_1210PE	HC-8015-GRO-	MBLK		12/10/2021 11:2	1	R371606		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	2.04544	0		0	0	0	3.56	10	0	0%	0	0	0%	
Trifluorotoluene	S	ug/L	19.40989	19.40989		25	0	0	0.0743	1	0	78%	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
14916354	B21120396-001	HC-8015-GRO-	SAMP		12/11/2021 12:0	1	R371606		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	10.46149	10.46149		0	0	0	3.56	20	0	0%	0	0	0%	J
Trifluorotoluene	S	ug/L	19.49874	19.49874		25	0	0	0.0743	1	0	78%	70	130	0%	
GRO as Gasoline	X	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14916355	B21120381-005	HC-8015-GRO-	MS		12/11/2021 1:12:	1	R371606		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	170.8396	170.8396		170	0	0	2.32	20	0	100%	78	122	0%	
Gasoline Range Organics (GRO)	A	ug/L	170.8396	170.8396		170	0	0	2.32	20	0	100%	70	130	0%	
Total Purgeable Hydrocarbons	A	ug/L	207.3239	207.3239		200	0	0	3.56	20	0	104%	70	130	0%	
Trifluorotoluene	S	ug/L	22.40553	22.40553		25	0	0	0.0743	1	0	90%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14916355	B21120381-005	HC-8015-GRO-	MS		12/11/2021 1:12:	1	R371606		1E+07	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
GRO as Gasoline	X	ug/L	170.8396	170.8396		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
14916356	B21120381-005	HC-8015-GRO-	MSD		12/11/2021 1:47:	1	R371606		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	170.4443	170.4443		170	0	170.8396	10	20	0	100%	78	122	0%	
Gasoline Range Organics (GRO)	A	ug/L	170.4443	170.4443		170	0	170.8396	2.32	20	0	100%	70	130	0%	
Total Purgeable Hydrocarbons	A	ug/L	206.9038	206.9038		200	0	207.3239	3.56	20	0	103%	70	130	0%	
Trifluorotoluene	S	ug/L	22.48644	22.48644		25	0	0	0.0743	1	0	90%	70	130	0%	
GRO as Gasoline	X	ug/L	170.4443	170.4443		0	0	170.8396	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
14916357	B21120656-001	HC-8015-GRO-	SAMP		12/11/2021 2:55:	1	R371606		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	0	0		0	0	0	2.32	20	0	0%	0	0	0%	
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	20	0	0%	0	0	0%	
Trifluorotoluene	S	ug/L	20.29737	20.29737		25	0	0	0.0743	1	0	81%	70	130	0%	
GRO as Gasoline	X	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14916358	CCV_1210PE13	HC-8015-GRO-	SAMP		12/11/2021 4:38:	1	R371606		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	242.0153	242.0153		0	0	0	2.32	20	0	0%	0	0	0%	
Gasoline Range Organics (GRO)	A	ug/L	242.0153	242.0153		0	0	0	2.32	20	0	0%	0	0	0%	
Total Purgeable Hydrocarbons	A	ug/L	252.3219	252.3219		0	0	0	3.56	20	0	0%	0	0	0%	
Trifluorotoluene	S	ug/L	19.86777	19.86777		25	0	0	0.0743	1	0	79%	70	130	0%	
GRO as Gasoline	X	ug/L	242.0153	242.0153		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
14916359	CCV_1210PE13	HC-8015-GRO-	CCV		12/11/2021 5:12:	1	R371606		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	163.446	163.446		168	0	0	2.32	20	0	97%	80	120	0%	
Gasoline Range Organics (GRO)	A	ug/L	163.446	163.446		168	0	0	2.32	20	0	97%	80	120	0%	
Total Purgeable Hydrocarbons	A	ug/L	195.2403	195.2403		200	0	0	3.56	20	0	98%	80	120	0%	
Trifluorotoluene	S	ug/L	22.20779	22.20779		25	0	0	0.0743	1	0	89%	80	120	0%	
GRO as Gasoline	X	ug/L	163.446	163.446		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\PE1121021_b\1210PE1.01r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0
G:\Org\PE1\DAT\PE1121021_b\1210PE1.02r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0
G:\Org\PE1\DAT\PE1121021_b\1210PE1.03r	CCV_1210PE103r, GQC ;1210PE1 ,	G:\Org\PE1\Methods\21120	1	1	1	1	0
G:\Org\PE1\DAT\PE1121021_b\1210PE1.04r	CCV_1210PE104r, GQC ;1210PE1 ,	G:\Org\PE1\Methods\21120	1	1	1	1	0
G:\Org\PE1\DAT\PE1121021_b\1210PE1.05r	LCS_1210PE105r, GQC ;1210PE1 ,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1121021_b\1210PE1.06r	MBLK_1210PE106r, QC ;1210PE1 ,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1121021_b\1210PE1.07r	B21120381-004D ;1210PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1121021_b\1210PE1.08r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0
G:\Org\PE1\DAT\PE1121021_b\1210PE1.09r	B21120381-005D ;1210PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1121021_b\1210PE1.10r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0
G:\Org\PE1\DAT\PE1121021_b\1210PE1.11r	B21120381-006D ;1210PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1121021_b\1210PE1.12r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0
G:\Org\PE1\DAT\PE1121021_b\1210PE1.13r	B21120381-007D ;1210PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1121021_b\1210PE1.14r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0
G:\Org\PE1\DAT\PE1121021_b\1210PE1.15r	B21120381-008D ;1210PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1121021_b\1210PE1.16r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0
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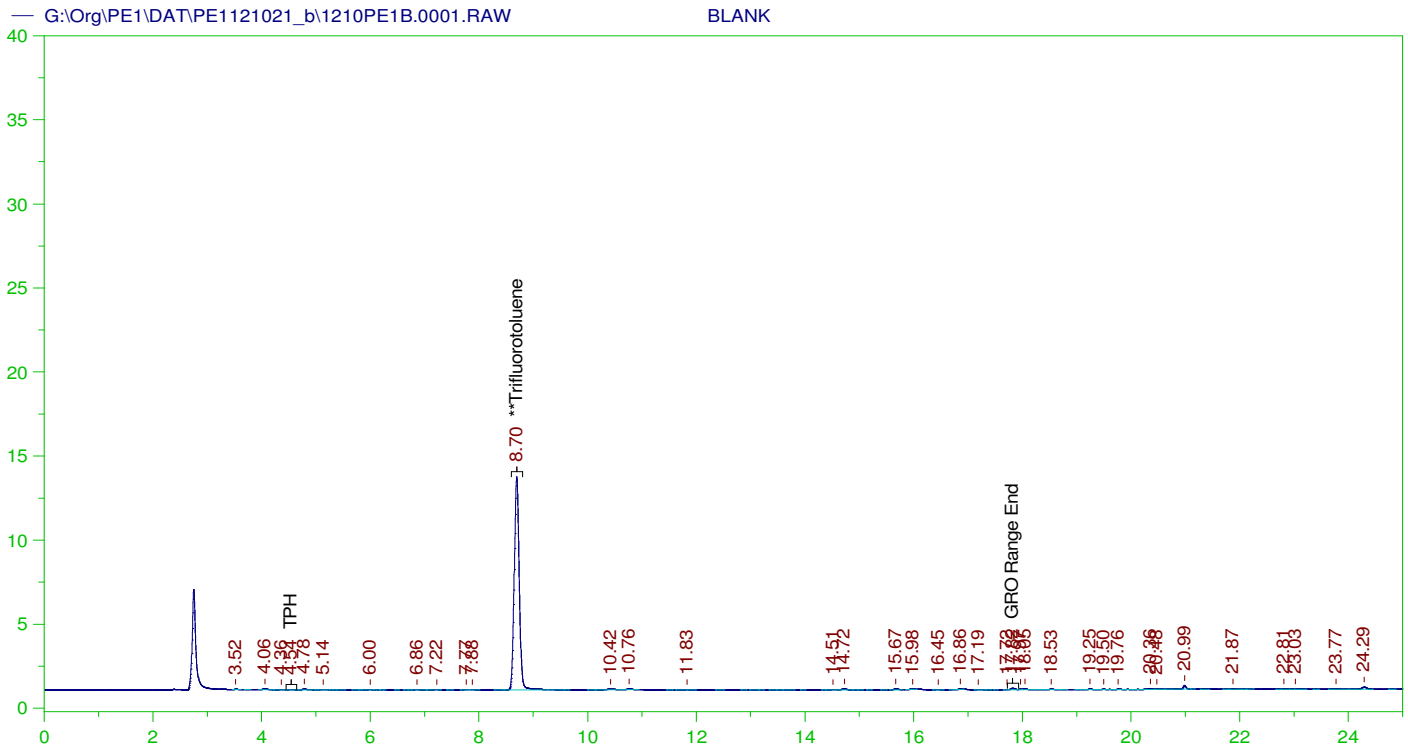
G:\Org\PE1\DAT\PE1121021_b\1210PE1.18r	B21120381-010B ;1210PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1121021_b\1210PE1.19r	B21120381-011B ;1210PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1121021_b\1210PE1.20r	B21120381-012B ;1210PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1121021_b\1210PE1.21r	B21120396-002B ;1210PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1121021_b\1210PE1.22r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0
G:\Org\PE1\DAT\PE1121021_b\1210PE1.23r	CCV_1210PE123r, GQC ;1210PE1 ,	G:\Org\PE1\Methods\21120	1	1	1	1	0
G:\Org\PE1\DAT\PE1121021_b\1210PE1.24r	CCV_1210PE124r, GQC ;1210PE1 ,	G:\Org\PE1\Methods\21120	1	1	1	1	0
G:\Org\PE1\DAT\PE1121021_b\1210PE1.25r	LCS_1210PE125r, GQC ;1210PE1 ,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1121021_b\1210PE1.26r	MBLK_1210PE126r, QC ;1210PE1 ,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1121021_b\1210PE1.27r	B21120396-001D ;1210PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1121021_b\1210PE1.28r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0
G:\Org\PE1\DAT\PE1121021_b\1210PE1.29r	B21120381-005DMS, GQC ;1210PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1121021_b\1210PE1.30r	B21120381-005DMSD, GQC ;1210PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1121021_b\1210PE1.31r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0
G:\Org\PE1\DAT\PE1121021_b\1210PE1.32r	B21120656-001C ;1210PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1121021_b\1210PE1.33r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0
G:\Org\PE1\DAT\PE1121021_b\1210PE1.34r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0
G:\Org\PE1\DAT\PE1121021_b\1210PE1.35r	CCV_1210PE135r, GQC ;1210PE1 ,	G:\Org\PE1\Methods\21120	1	1	1	1	0
G:\Org\PE1\DAT\PE1121021_b\1210PE1.36r	CCV_1210PE136r, GQC ;1210PE1 ,	G:\Org\PE1\Methods\21120	1	1	1	1	0
G:\Org\PE1\DAT\PE1121021_b\1210PE1.37r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0



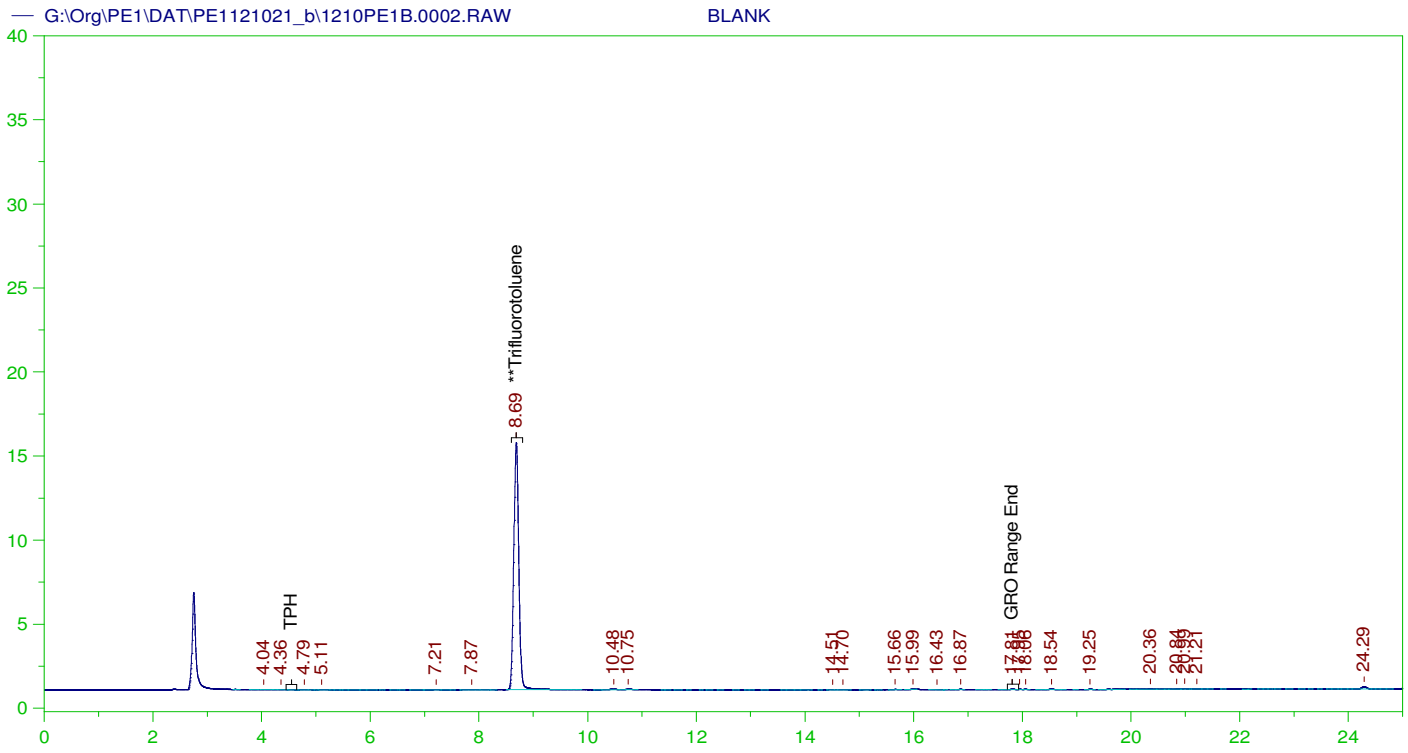
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
Raw File: G:\Org\PE1\DAT\PE1121021_b\1210PE1B.0001.RAW
Date & Time Acquired: 12/10/2021 9:12:36 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	8.695	125.	86.172	68.94	-

GRO Area:4420.366 GRO Amount: 4.672851
TPH Area:8436.778 TPH Amount: 9.277389



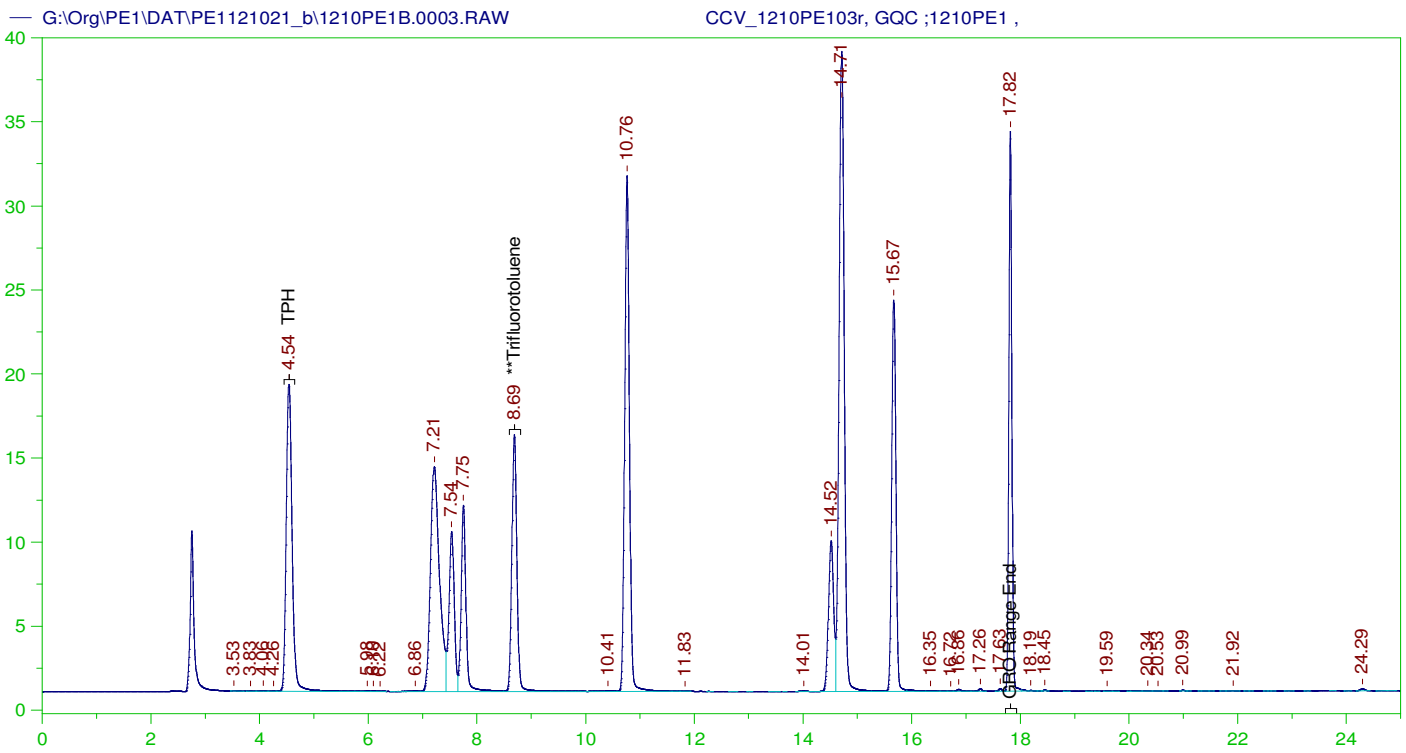
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
Raw File: G:\Org\PE1\DAT\PE1121021_b\1210PE1B.0002.RAW
Date & Time Acquired: 12/10/2021 9:46:48 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.	99.765	79.81	-

GRO Area:2526.292 GRO Amount: 2.67059
TPH Area:4925.385 TPH Amount: 5.416132



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_1210PE103r, GQC ;1210PE1 ,
Raw File: G:\Org\PE1\DAT\PE1121021_b\1210PE1B.0003.RAW
Date & Time Acquired: 12/10/2021 10:20:58 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

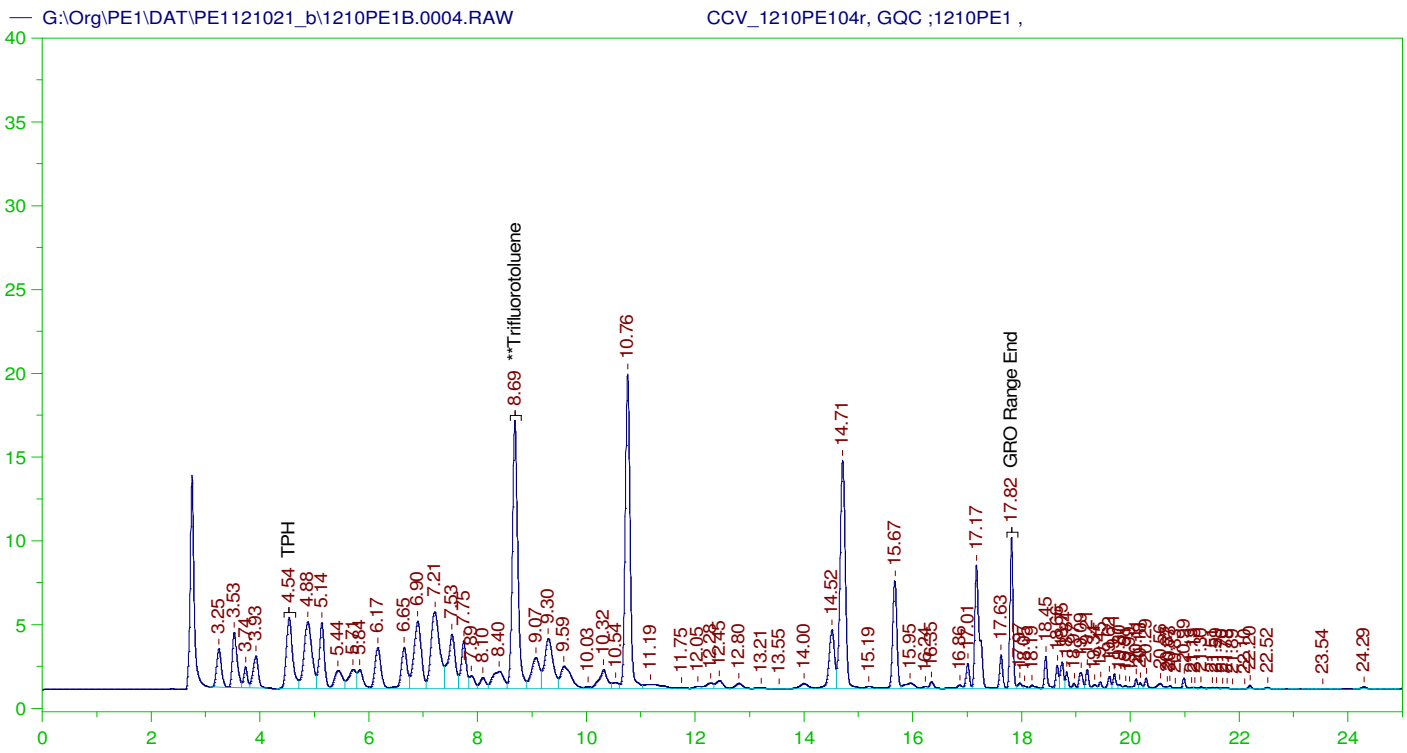
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.688	125.	104.463	83.57	-

GRO Area:1185505 GRO Amount: 1253.219
TPH Area:1187846 TPH Amount: 1306.198

CONTINUING CALIBRATION REPORT: G:\Org\PE1\DAT\PE1121021_b\1210PE1B.0003.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
GRO	840.	1253.22	149.19	85-115
TPH	1000.	1306.2	130.62	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	8.688	125.	104.463	83.57	85-115



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_1210PE104r, GQC ;1210PE1 ,
Raw File: G:\Org\PE1\DAT\PE1121021_b\1210PE1B.0004.RAW
Date & Time Acquired: 12/10/2021 10:55:11 AM
Method File: G:\Org\PE1\Methods\211208GCCV1210_04B%.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

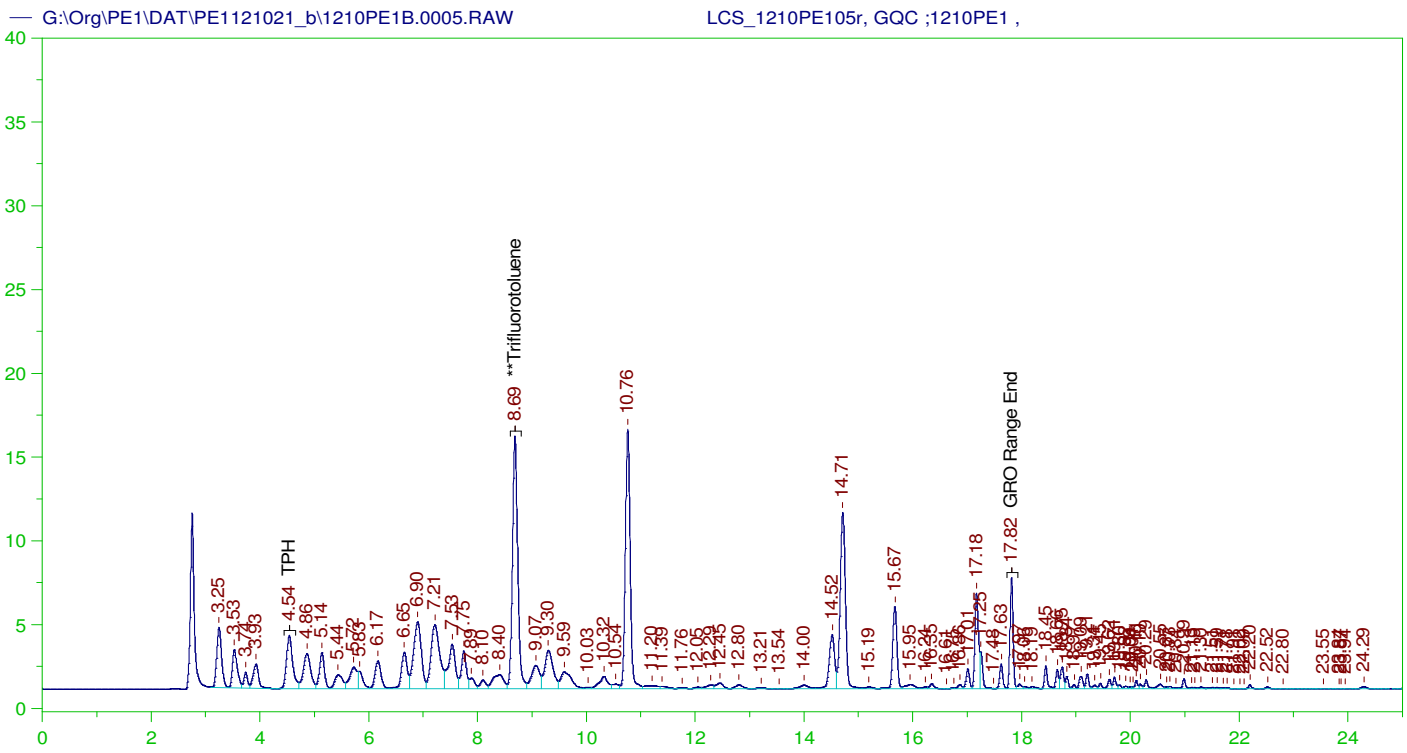
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.687	125.	118.272	94.62	-

GRO Area:829122.5 GRO Amount: 876.4807
TPH Area:951129.7 TPH Amount: 1045.897

CONTINUING CALIBRATION REPORT: G:\Org\PE1\DAT\PE1121021_b\1210PE1B.0004.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
GRO	840.	876.48	104.34	85-115
TPH	1000.	1045.9	104.59	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	8.687	125.	118.272	94.62	85-115



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

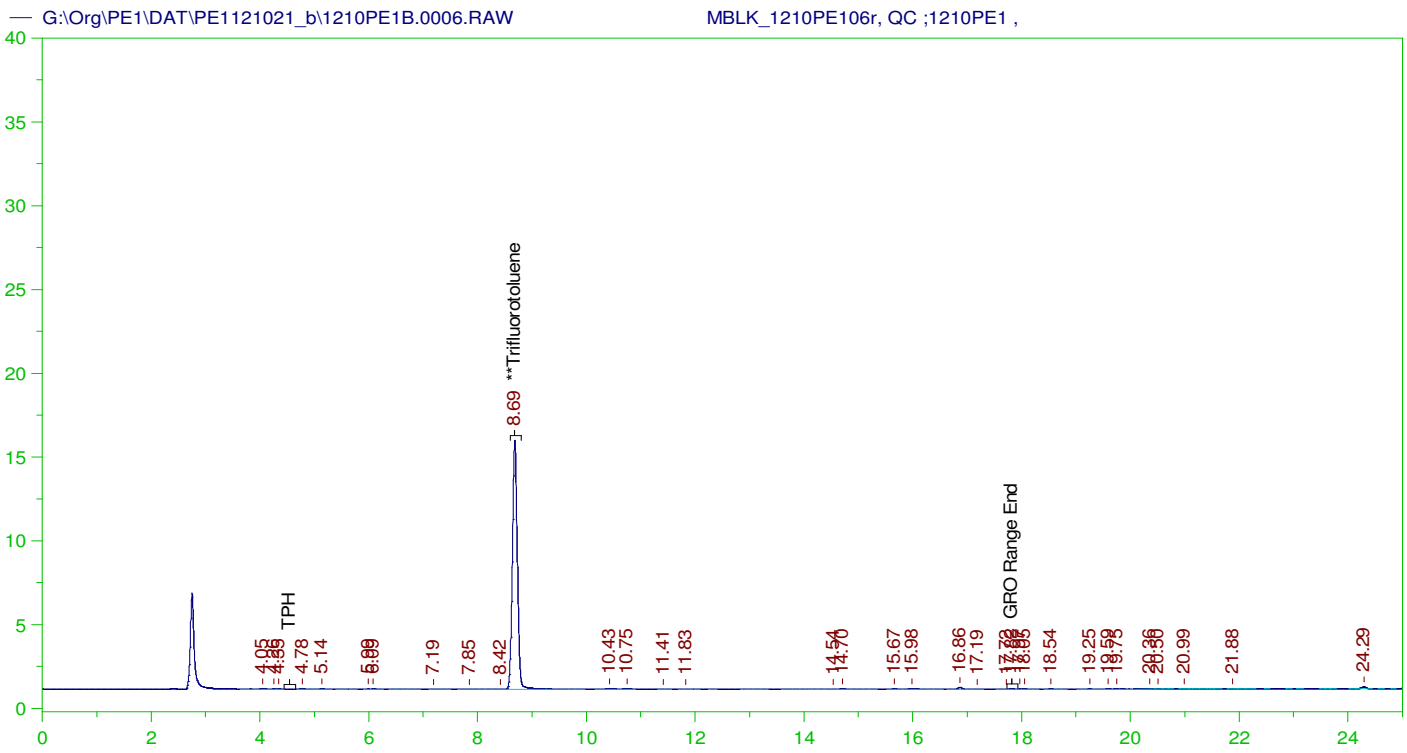
Sample Name: LCS_1210PE105r, GQC ;1210PE1 ,
Raw File: G:\Org\PE1\DAT\PE1121021_b\1210PE1B.0005.RAW
Date & Time Acquired: 12/10/2021 11:29:27 AM
Method File: G:\Org\PE1\Methods\211208GLCS1210_05B%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

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.	21.761	87.04	-

GRO Area:644739.6 GRO Amount: 136.3132
TPH Area:753820.2 TPH Amount: 165.7856

G:\org\PE1\dat\PE1121021_b\Review\005_LCS_1210PE105r_211208GLCS1210_05B%.xls



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: MBLK_1210PE106r, QC ;1210PE1 ,
Raw File: G:\Org\PE1\DAT\PE1121021_b\1210PE1B.0006.RAW
Date & Time Acquired: 12/10/2021 12:03:42 PM
Method File: G:\Org\PE1\Methods\211208GROB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

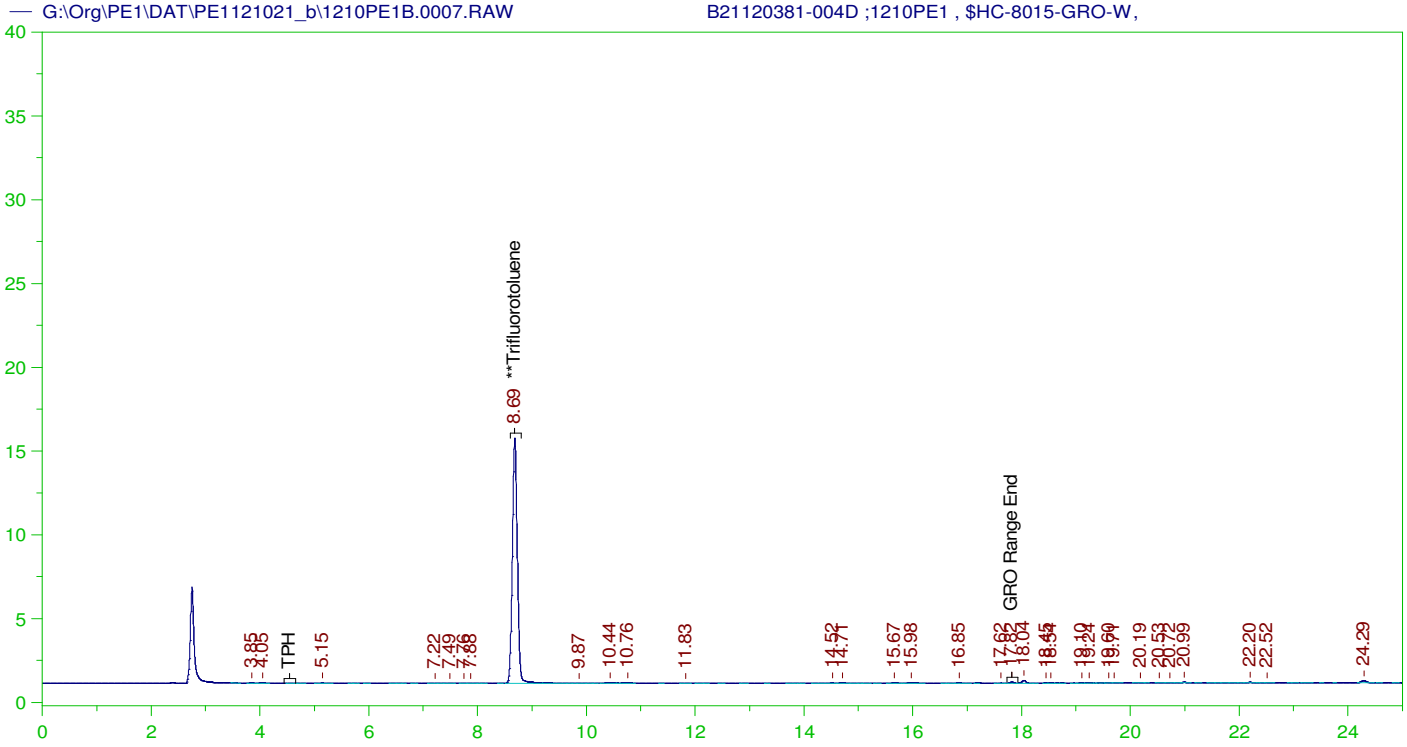
Mean RF for GRO: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.686	25.	20.235	80.94	-

GRO Area:4354.304 GRO Amount: 0.920603
TPH Area:6661.653 TPH Amount: 1.465079

ERH2011 (RHMW05)

G:\Org\PE1\DAT\PE1121021_b\1210PE1B.0007.RAW B21120381-004D ;1210PE1 , $HC-8015-GRO-W,



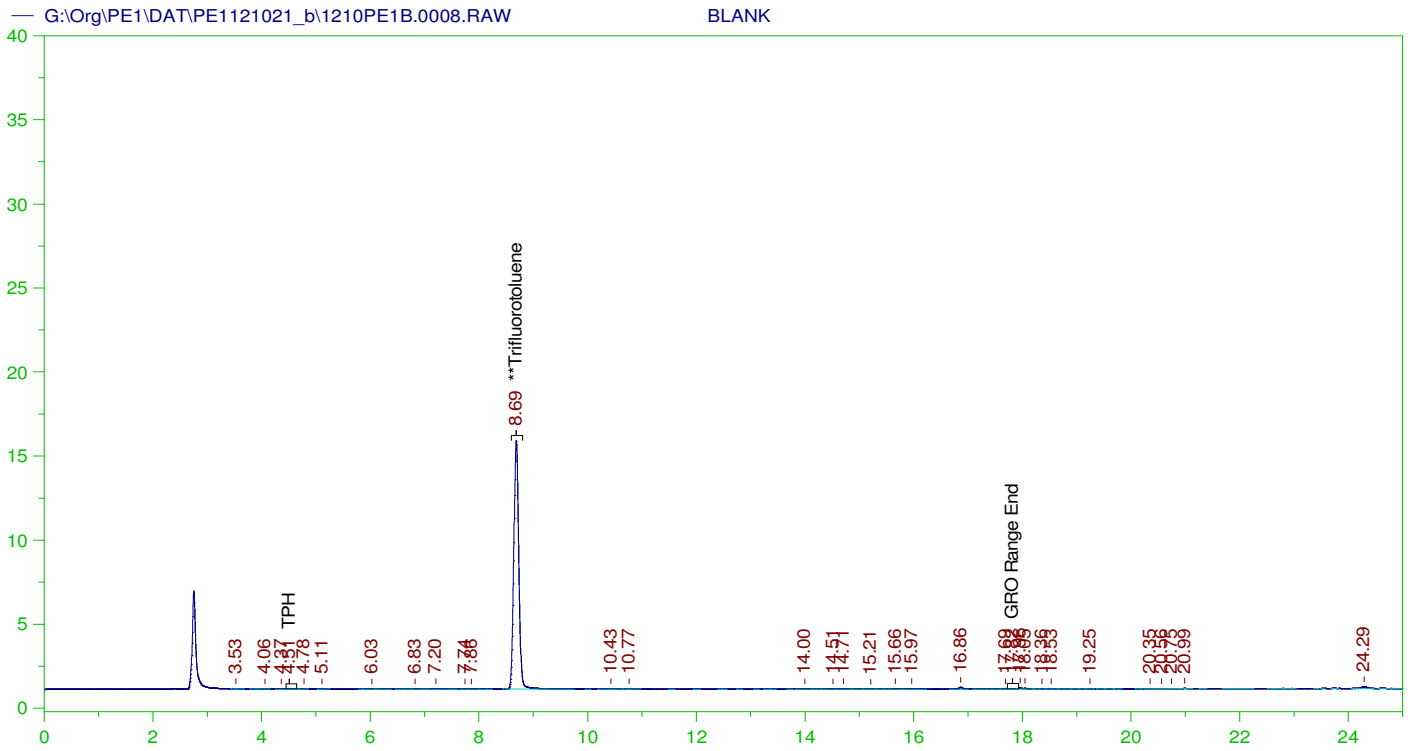
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B21120381-004D ;1210PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1121021_b\1210PE1B.0007.RAW
Date & Time Acquired: 12/10/2021 12:38:03 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	8.685	25.	19.909	79.64	-

GRO Area:3415.882 GRO Amount: 0.7221984
TPH Area:7027.476 TPH Amount: 1.545534



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
Raw File: G:\Org\PE1\DAT\PE1121021_b\1210PE1B.0008.RAW
Date & Time Acquired: 12/10/2021 1:12:21 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	8.687	125.	100.226	80.18	-

GRO Area:4131.289 GRO Amount: 4.367261
TPH Area:6731.273 TPH Amount: 7.401954

ERH2013 (RHMW08)

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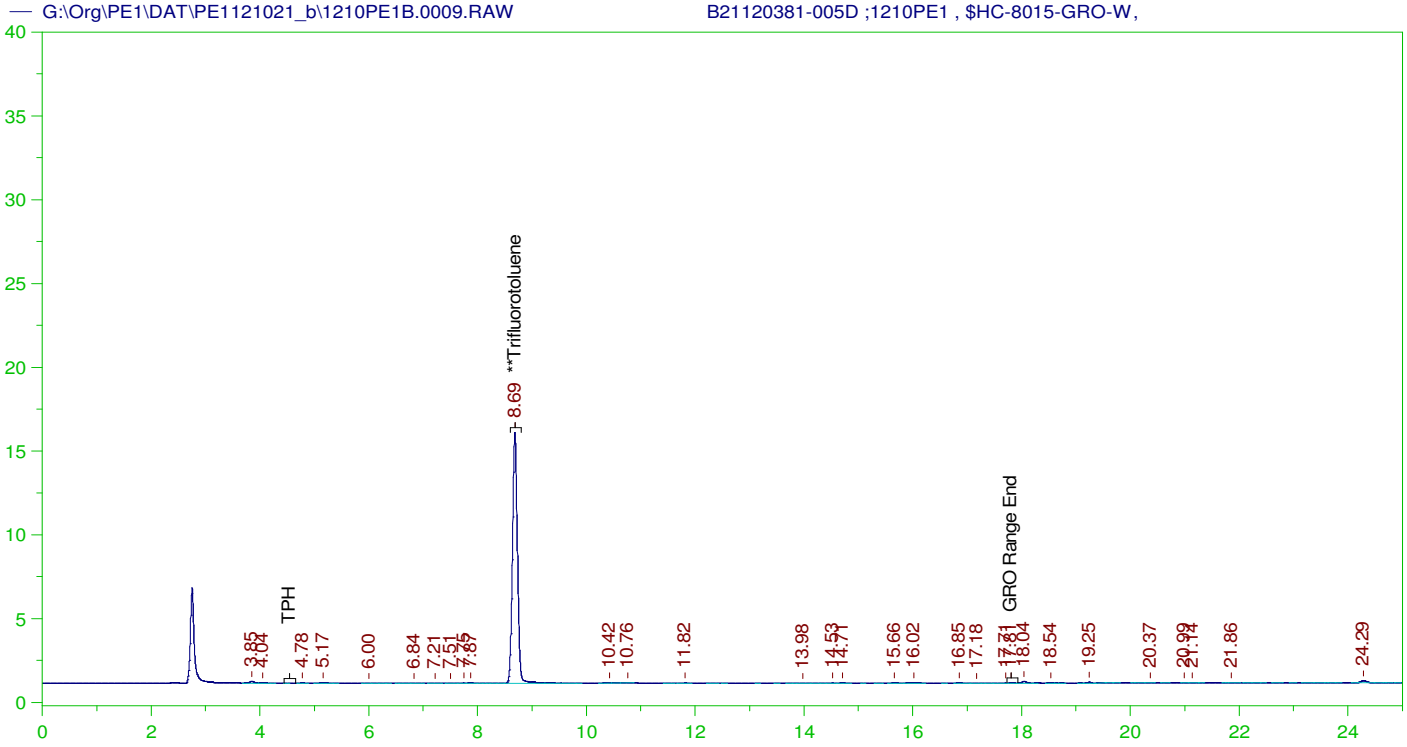


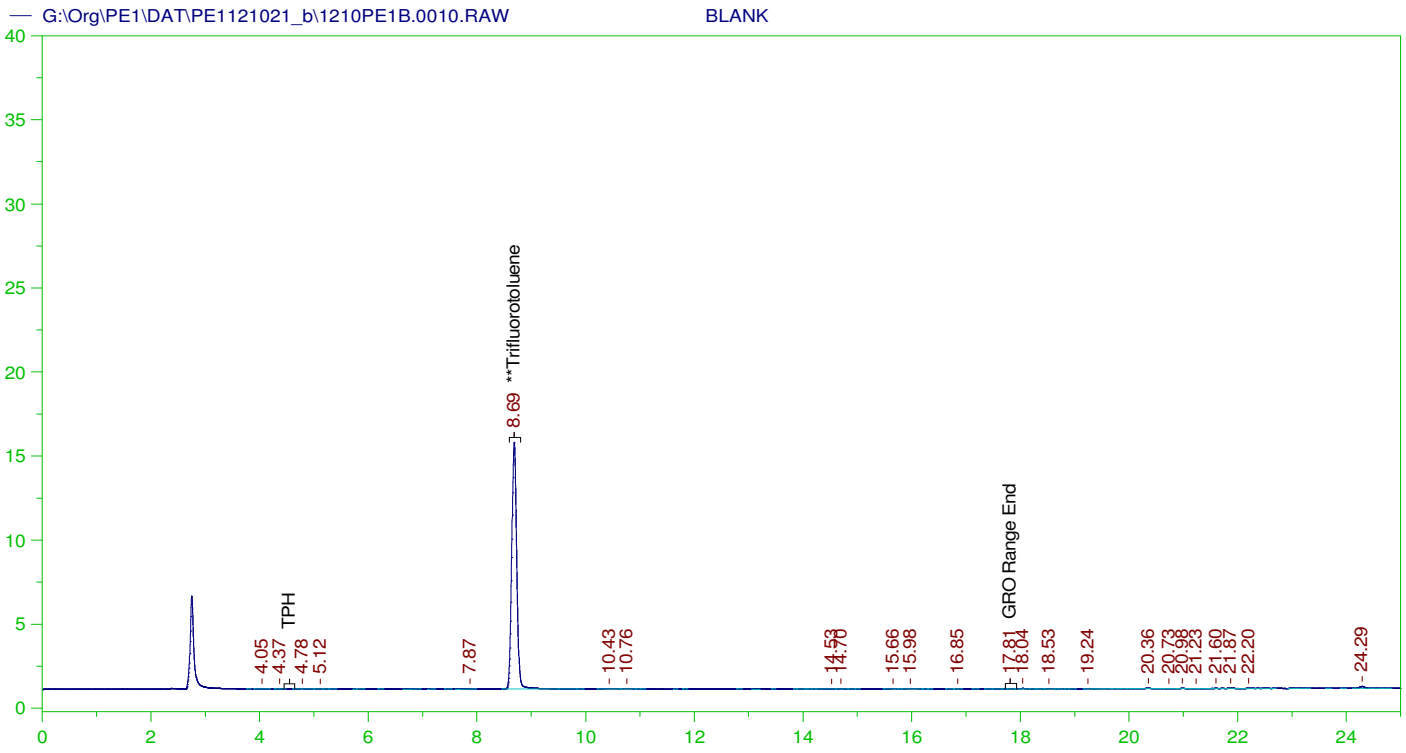
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B21120381-005D ;1210PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1121021_b\1210PE1B.0009.RAW
Date & Time Acquired: 12/10/2021 1:46:44 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	8.687	25.	20.306	81.22	-

GRO Area:3084.716 GRO Amount: 0.6521821
TPH Area:6346.149 TPH Amount: 1.395691



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
Raw File: G:\Org\PE1\DAT\PE1121021_b\1210PE1B.0010.RAW
Date & Time Acquired: 12/10/2021 2:21:10 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

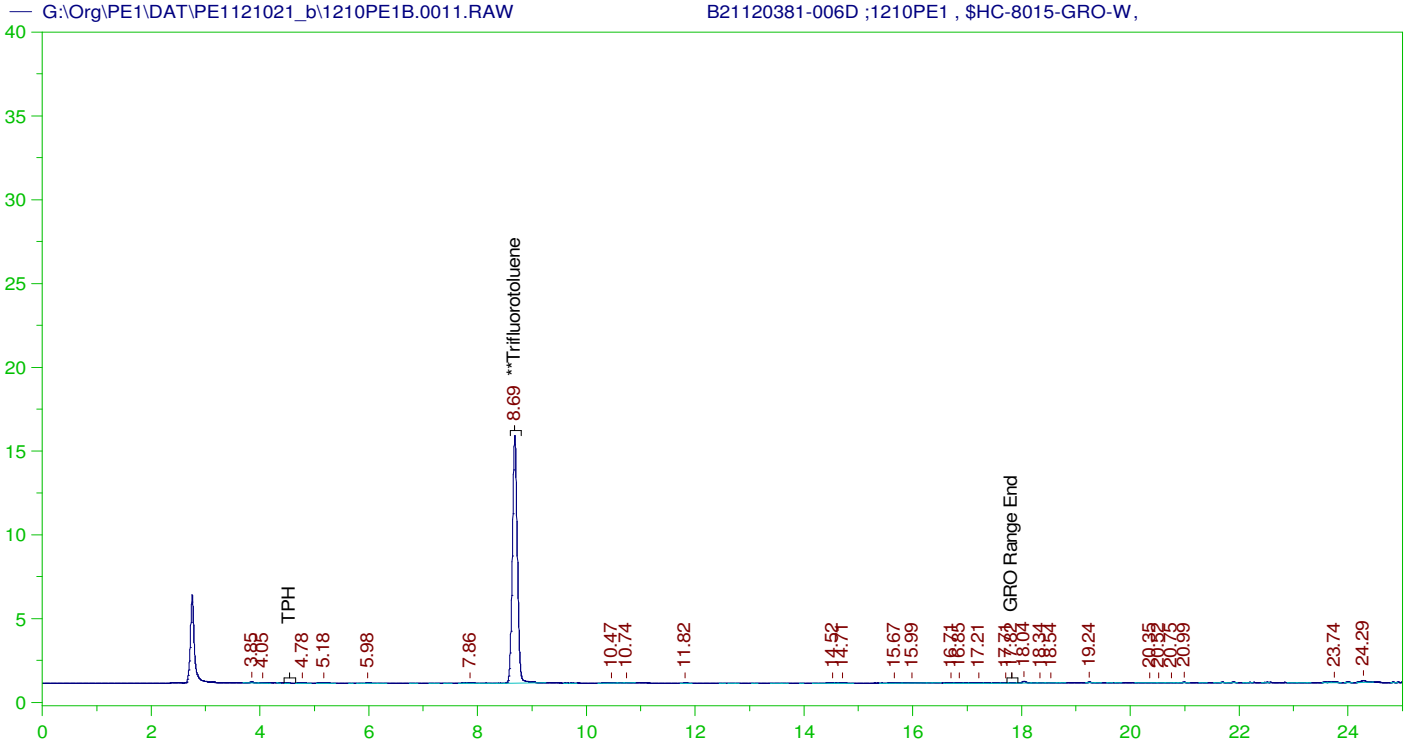
Mean RF for GRO: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.686	125.	99.938	79.95	-

GRO Area:2737.411 GRO Amount: 2.893767
TPH Area:5409.849 TPH Amount: 5.948867

ERH2014 (RHMW08)

G:\Org\PE1\DAT\PE1121021_b\1210PE1B.0011.RAW B21120381-006D ;1210PE1 , $HC-8015-GRO-W,



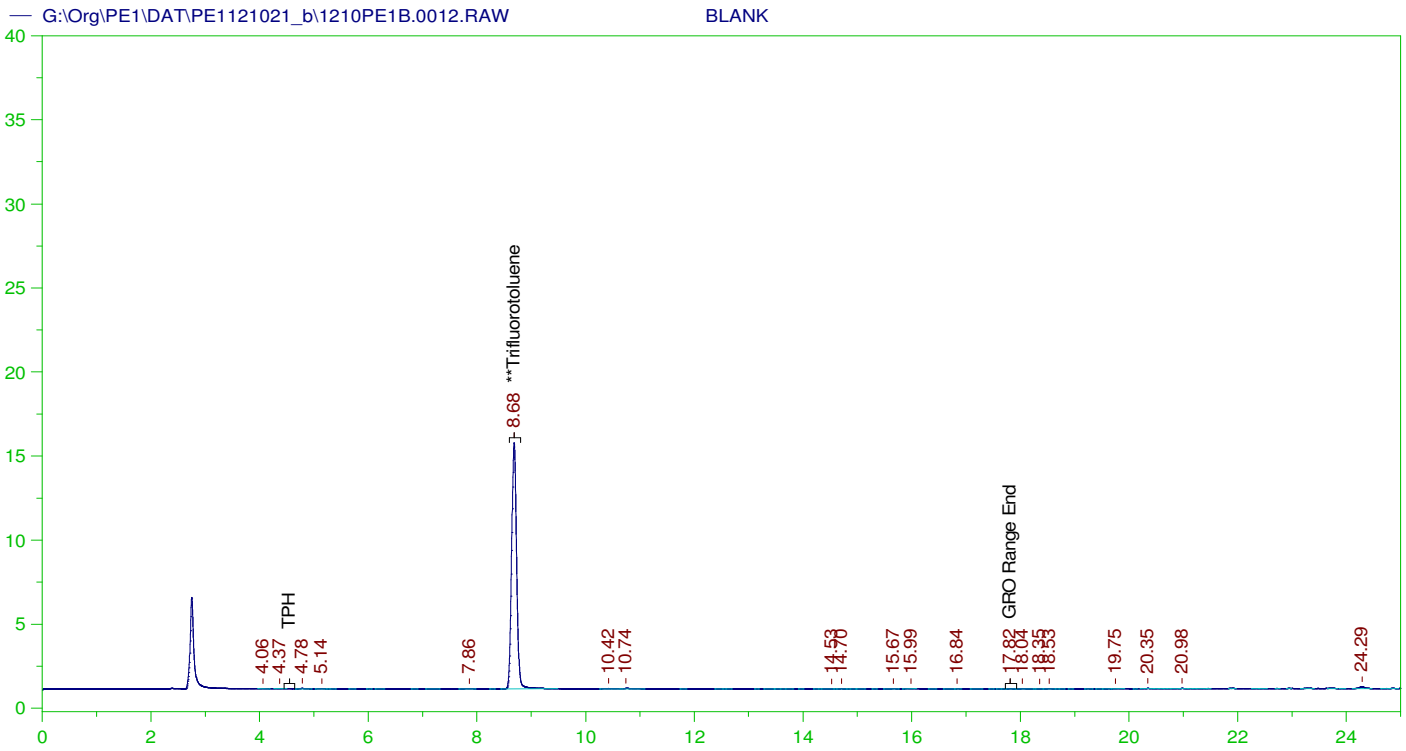
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B21120381-006D ;1210PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1121021_b\1210PE1B.0011.RAW
Date & Time Acquired: 12/10/2021 2:55:27 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	8.685	25.	19.974	79.9	-

GRO Area:2971.005 GRO Amount: 0.6281409
TPH Area:5781.533 TPH Amount: 1.271517



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
Raw File: G:\Org\PE1\DAT\PE1121021_b\1210PE1B.0012.RAW
Date & Time Acquired: 12/10/2021 3:29:44 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

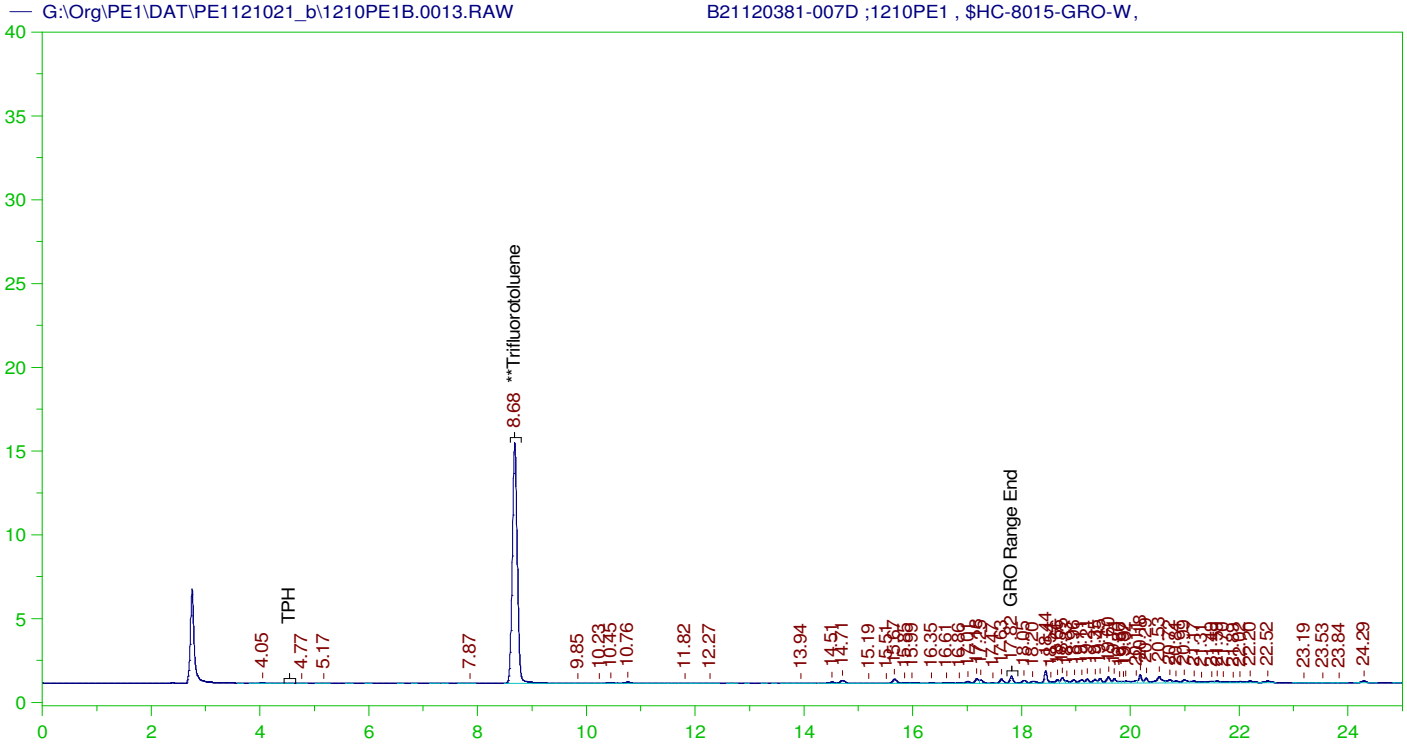
Mean RF for GRO: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.684	125.	99.589	79.67	-

GRO Area:2178.373 GRO Amount: 2.302798
TPH Area:4102.914 TPH Amount: 4.511714

ERH2018 (RHMW2254-01)

G:\Org\PE1\DAT\PE1121021_b\1210PE1B.0013.RAW B21120381-007D ;1210PE1 , $HC-8015-GRO-W,



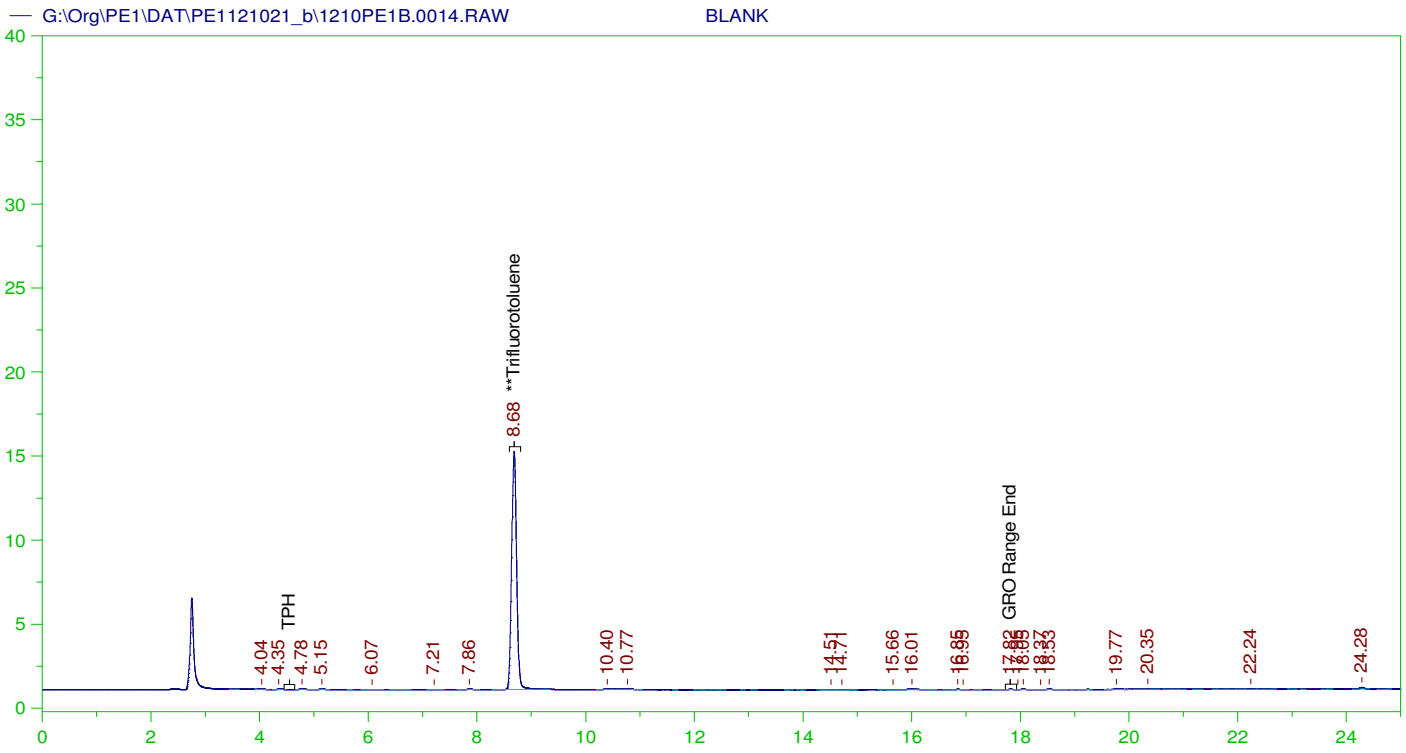
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B21120381-007D ;1210PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1121021_b\1210PE1B.0013.RAW
Date & Time Acquired: 12/10/2021 4:03:59 PM
Method File: G:\Org\PE1\Methods\211208G381-7B%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

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

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.684	25.	19.537	78.15	-

GRO Area:13408.45 GRO Amount: 2.834864
TPH Area:45644.05 TPH Amount: 10.03837



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
Raw File: G:\Org\PE1\DAT\PE1121021_b\1210PE1B.0014.RAW
Date & Time Acquired: 12/10/2021 4:38:18 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

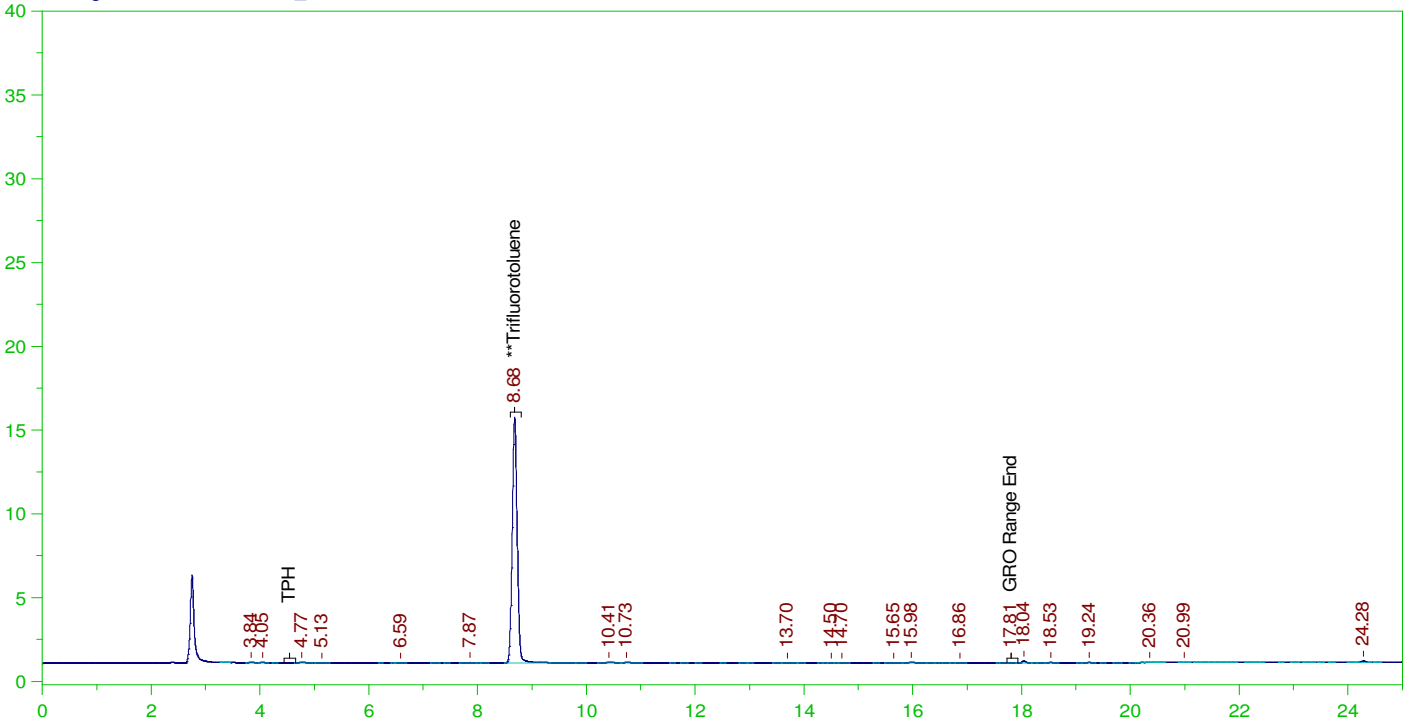
Mean RF for GRO: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.684	125.	95.994	76.8	-

GRO Area:2907.823 GRO Amount: 3.073913
TPH Area:4902.536 TPH Amount: 5.391007

ERH2020 (OWDFMW01)

G:\Org\PE1\DAT\PE1121021_b\1210PE1B.0015.RAW B21120381-008D ;1210PE1 , $HC-8015-GRO-W,



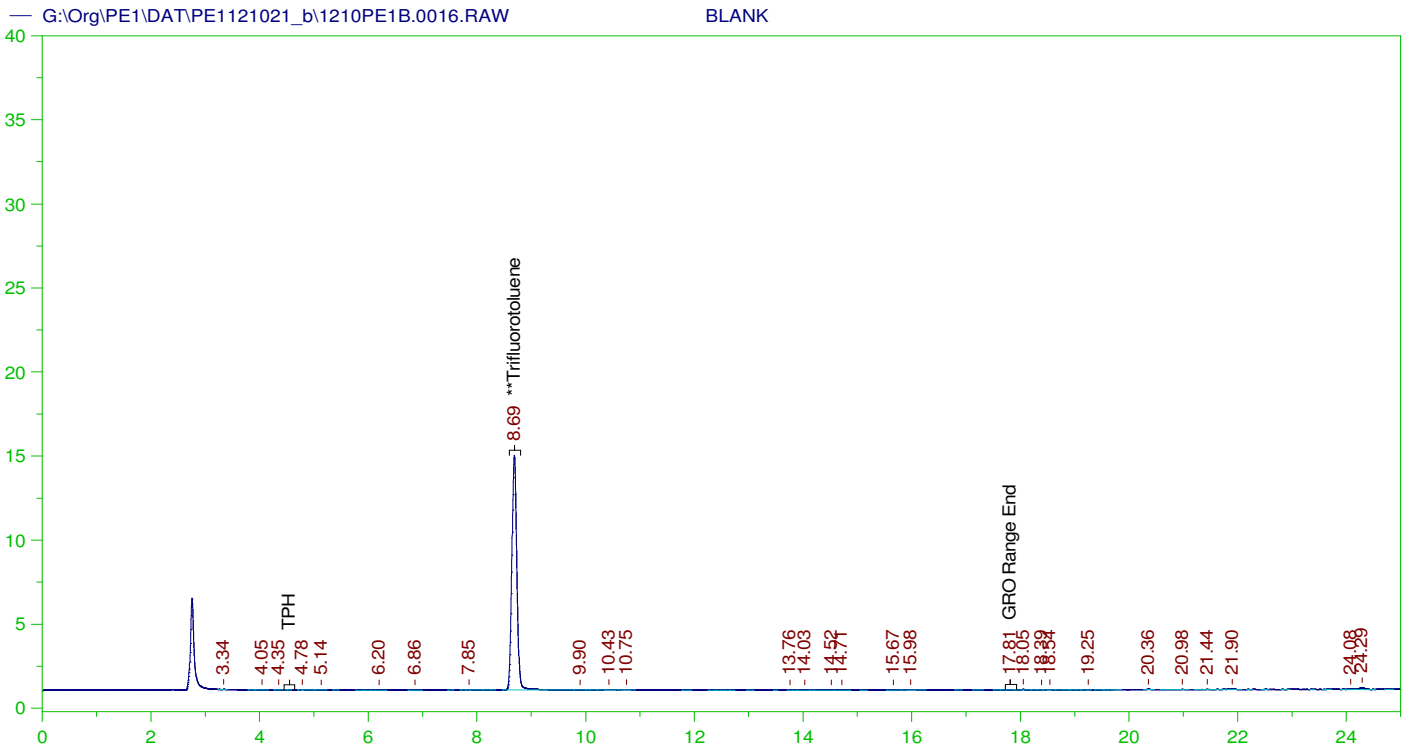
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B21120381-008D ;1210PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1121021_b\1210PE1B.0015.RAW
Date & Time Acquired: 12/10/2021 5:12:37 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	8.683	25.	19.944	79.77	-

GRO Area:2675.019 GRO Amount: 0.5655624
TPH Area:5011.443 TPH Amount: 1.102153



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

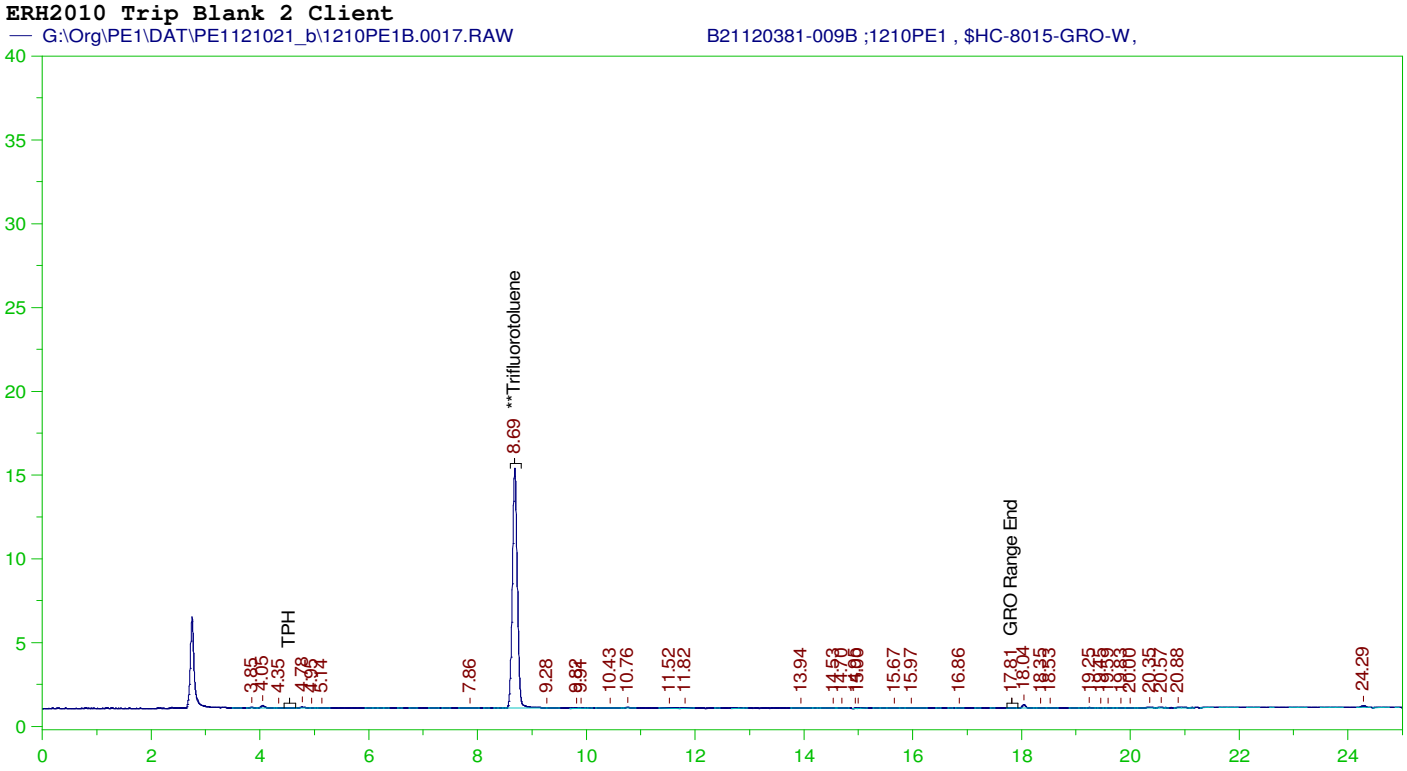
Sample Name: BLANK
Raw File: G:\Org\PE1\DAT\PE1121021_b\1210PE1B.0016.RAW
Date & Time Acquired: 12/10/2021 5:46:53 PM
Method File: G:\Org\PE1\Methods\211208GROB.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

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	8.688	125.	94.764	75.81	-

GRO Area:2946.959 GRO Amount: 3.115285
TPH Area:5332.903 TPH Amount: 5.864255

ERH2010 Trip Blank 2 Client



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

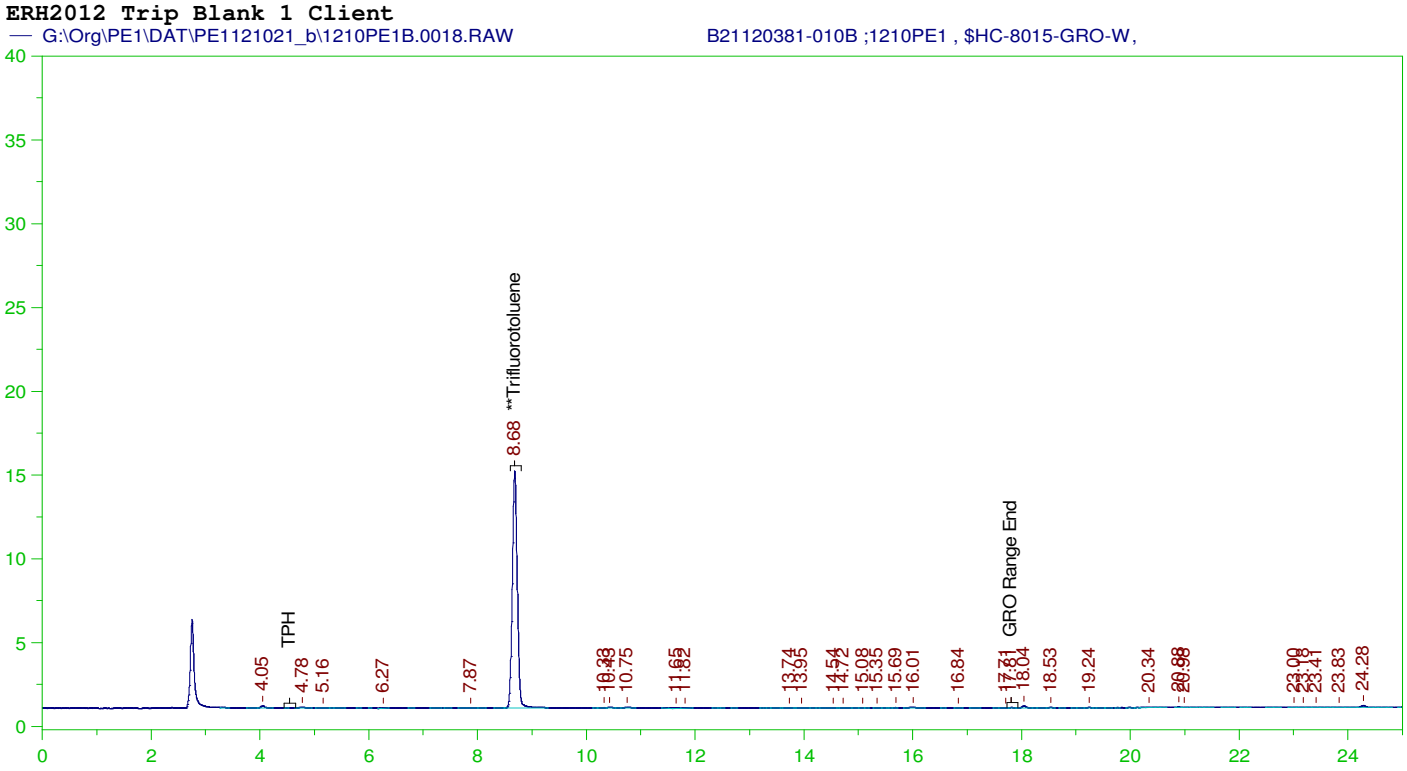
Sample Name: B21120381-009B ;1210PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1121021_b\1210PE1B.0017.RAW
Date & Time Acquired: 12/10/2021 6:21:17 PM
Method File: G:\Org\PE1\Methods\211208GROB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

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	8.685	25.	19.457	77.83	-

GRO Area:3776.816 GRO Amount: 0.7985084
TPH Area:8038.336 TPH Amount: 1.76785

ERH2012 Trip Blank 1 Client



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

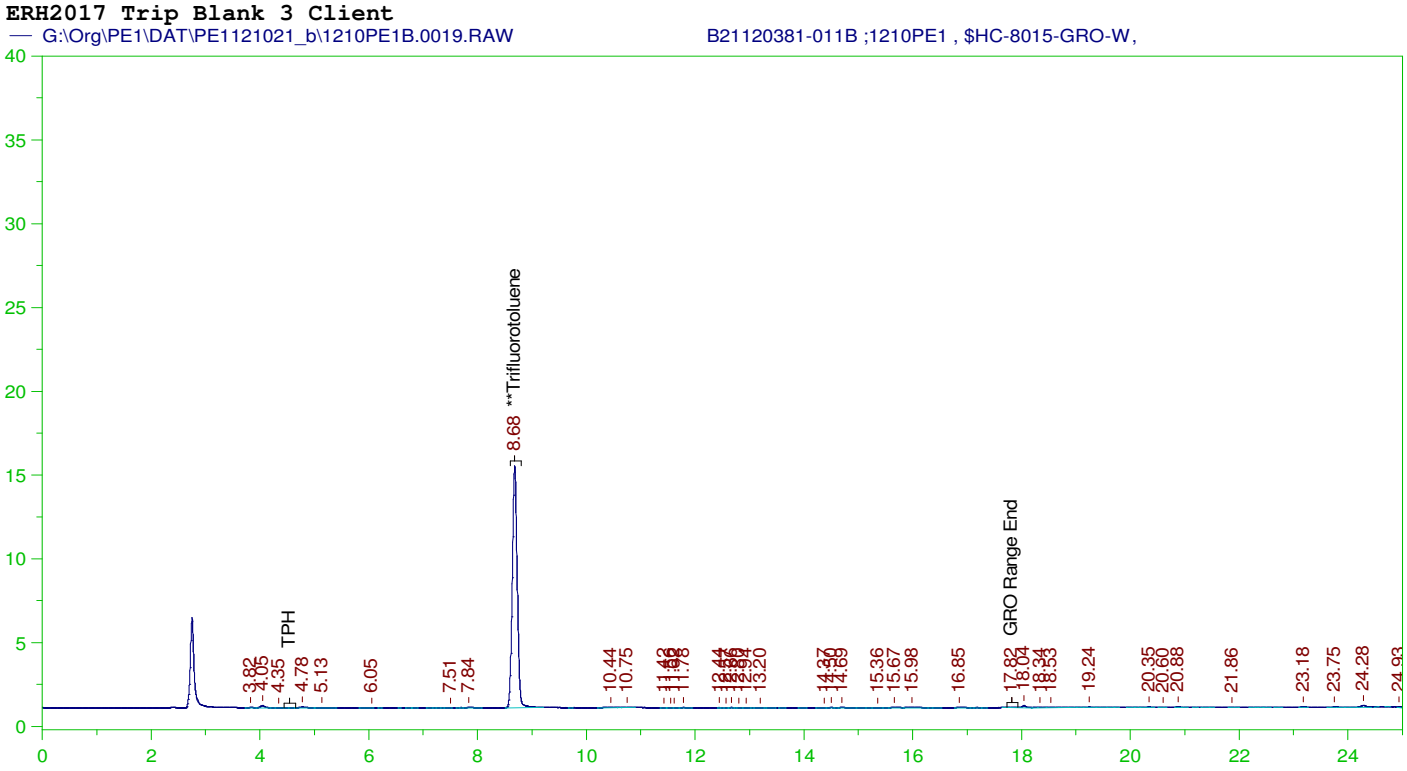
Sample Name: B21120381-010B ;1210PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1121021_b\1210PE1B.0018.RAW
Date & Time Acquired: 12/10/2021 6:55:37 PM
Method File: G:\Org\PE1\Methods\211208GROB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

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	8.685	25.	19.159	76.64	-

GRO Area:3499.861 GRO Amount: 0.7399536
TPH Area:6961.445 TPH Amount: 1.531012

ERH2017 Trip Blank 3 Client



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

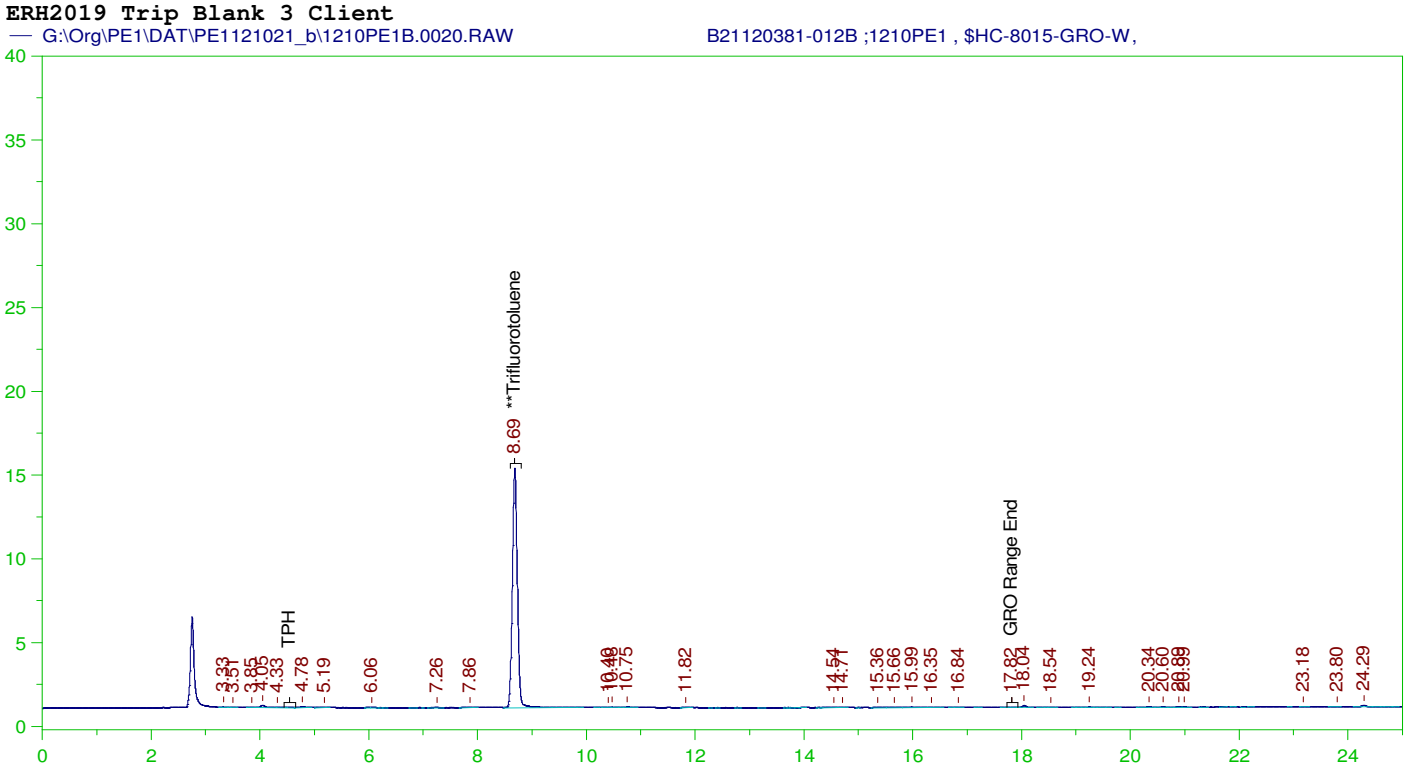
Sample Name: B21120381-011B ;1210PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1121021_b\1210PE1B.0019.RAW
Date & Time Acquired: 12/10/2021 7:29:57 PM
Method File: G:\Org\PE1\Methods\211208GROB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

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	8.684	25.	19.478	77.91	-

GRO Area:3993.937 GRO Amount: 0.8444128
TPH Area:7385.57 TPH Amount: 1.624288

ERH2019 Trip Blank 3 Client



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

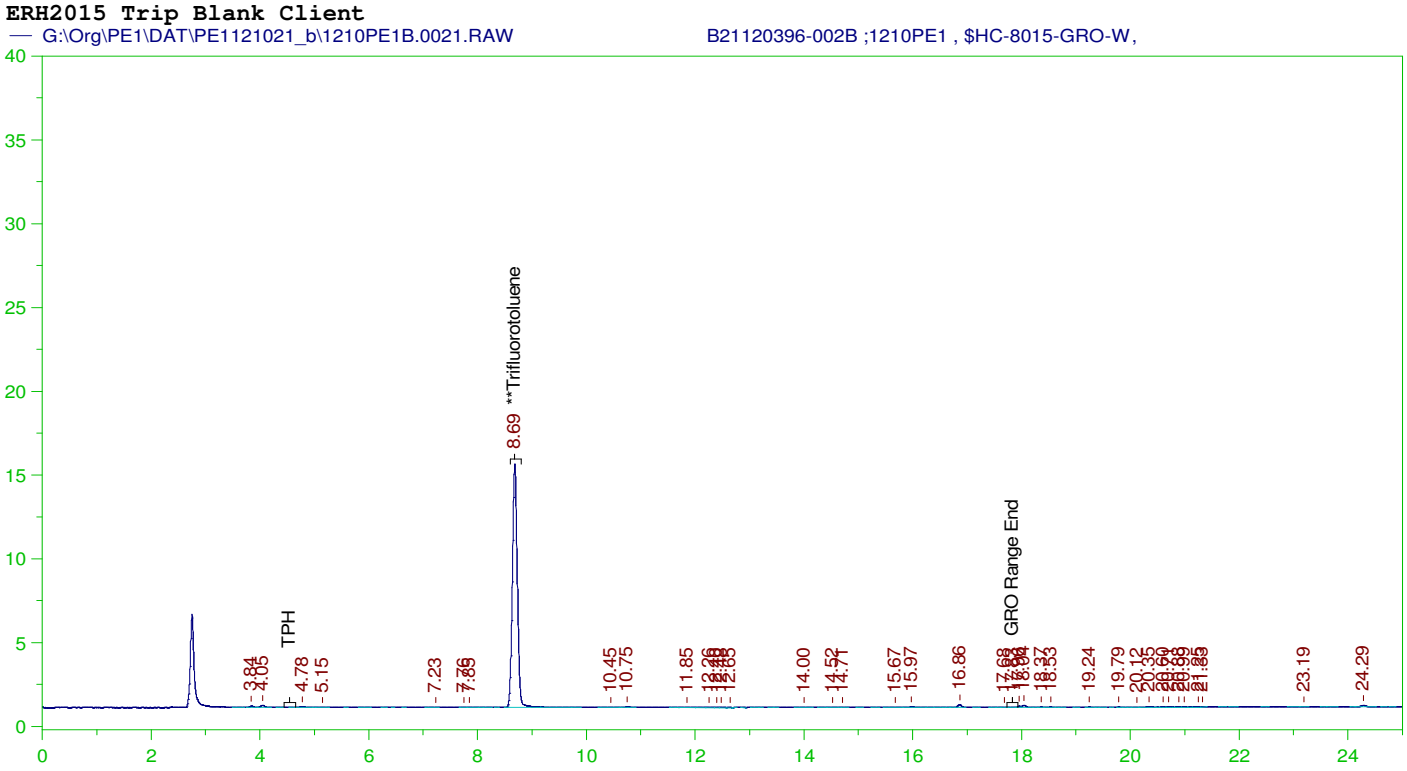
Sample Name: B21120381-012B ;1210PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1121021_b\1210PE1B.0020.RAW
Date & Time Acquired: 12/10/2021 8:04:23 PM
Method File: G:\Org\PE1\Methods\211208GROB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

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	8.686	25.	19.465	77.86	-

GRO Area:3180.006 GRO Amount: 0.6723286
TPH Area:6615.908 TPH Amount: 1.455019

ERH2015 Trip Blank Client



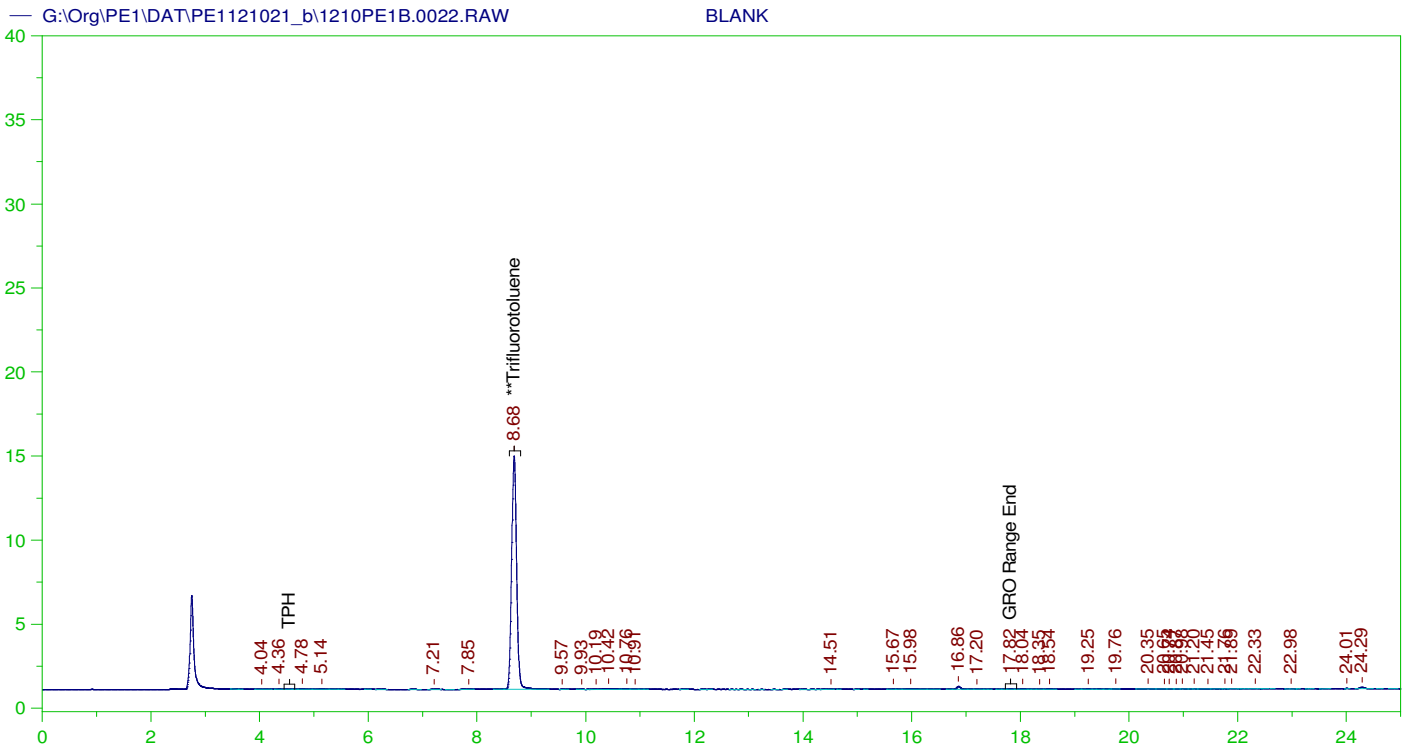
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B21120396-002B ;1210PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1121021_b\1210PE1B.0021.RAW
Date & Time Acquired: 12/10/2021 8:38:39 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	8.685	25.	19.707	78.83	-

GRO Area:4628.184 GRO Amount: 0.9785077
TPH Area:9045.011 TPH Amount: 1.989245



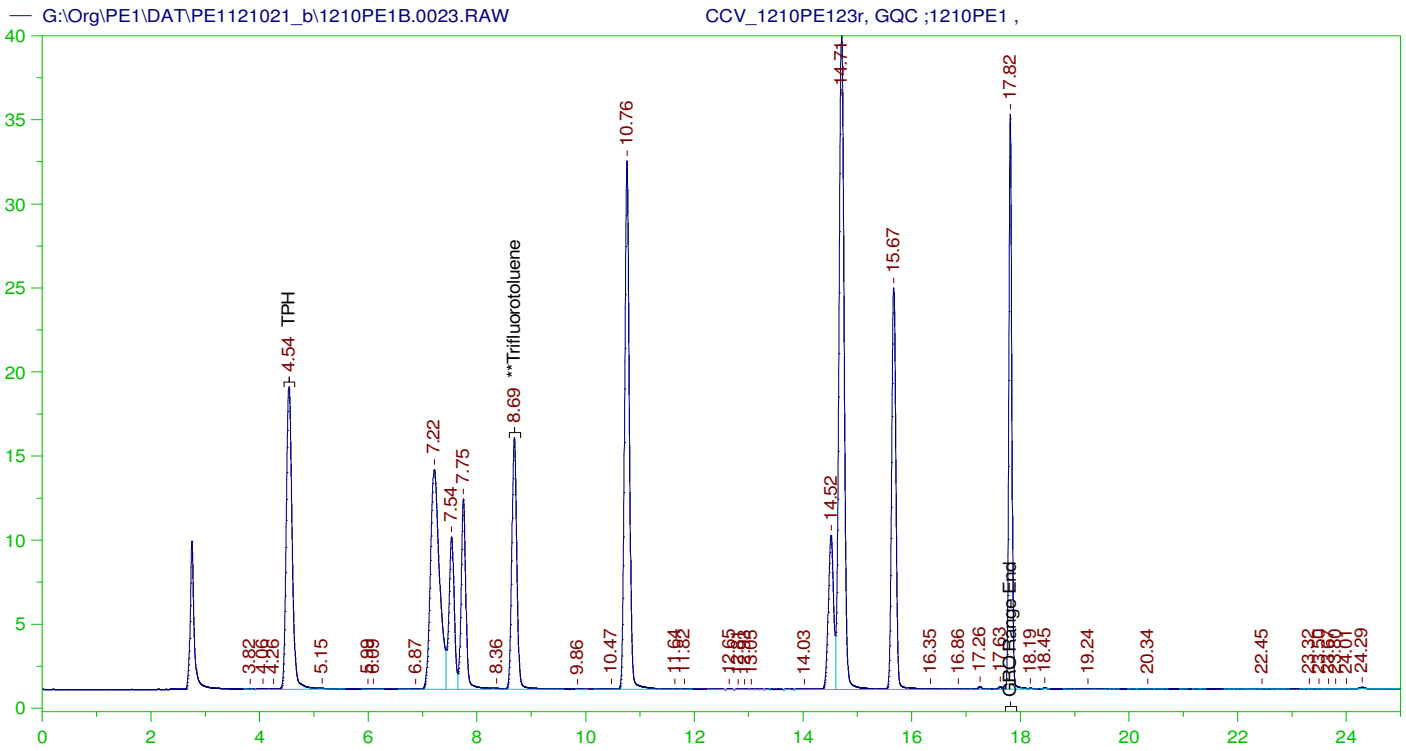
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
Raw File: G:\Org\PE1\DAT\PE1121021_b\1210PE1B.0022.RAW
Date & Time Acquired: 12/10/2021 9:12:53 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	8.684	125.	93.933	75.15	-

GRO Area:3976.406 GRO Amount: 4.203533
TPH Area:6861.106 TPH Amount: 7.544723



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_1210PE123r, GQC ;1210PE1 ,
Raw File: G:\Org\PE1\DAT\PE1121021_b\1210PE1B.0023.RAW
Date & Time Acquired: 12/10/2021 9:47:06 PM
Method File: G:\Org\PE1\Methods\211208GROB.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

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

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.687	125.	101.871	81.5	-

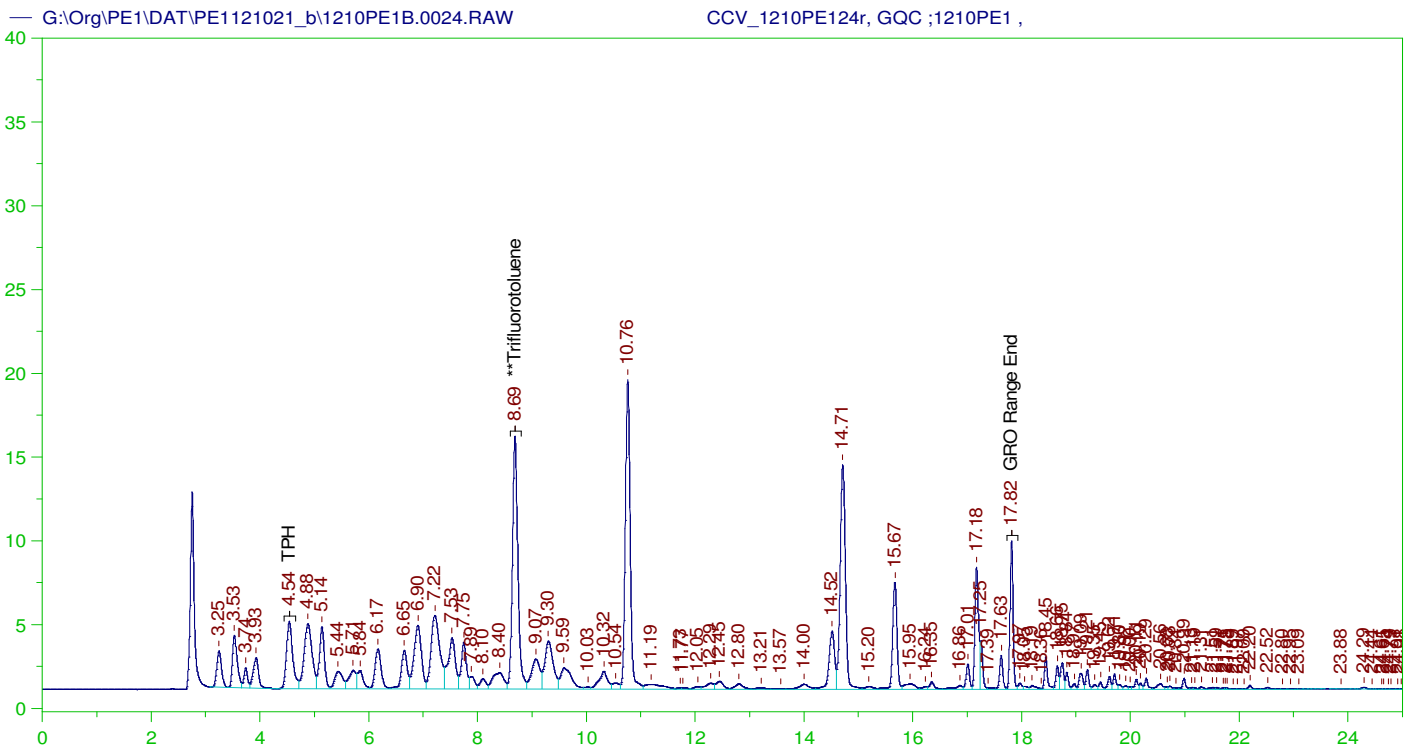
GRO Area:1197769 GRO Amount: 1266.183
TPH Area:1200928 TPH Amount: 1320.584

CONTINUING CALIBRATION REPORT: G:\Org\PE1\DAT\PE1121021_b\1210PE1B.0023.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
GRO	840.	1266.18	150.74	85-115
TPH	1000.	1320.58	132.06	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	8.687	125.	101.871	81.5	85-115

G:\org\PE1\dat\PE1121021_b\Review\023_CCV_1210PE123r_211208GROB.xls



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_1210PE124r, GQC ;1210PE1 ,
Raw File: G:\Org\PE1\DAT\PE1121021_b\1210PE1B.0024.RAW
Date & Time Acquired: 12/10/2021 10:21:19 PM
Method File: G:\Org\PE1\Methods\211208GCCV1210_24B%.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

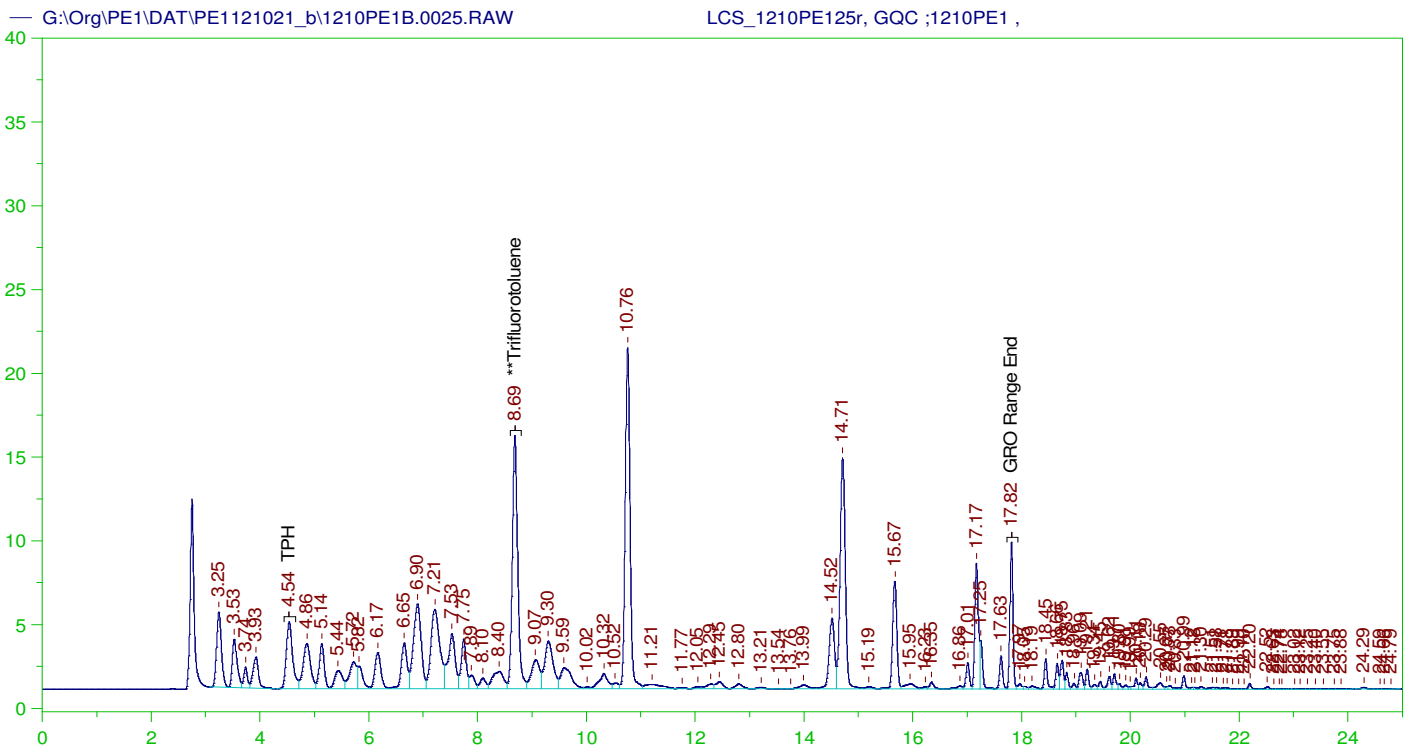
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.689	125.	111.931	89.55	-

GRO Area:803264.9 GRO Amount: 849.1461
TPH Area:926145.9 TPH Amount: 1018.424

CONTINUING CALIBRATION REPORT: G:\Org\PE1\DAT\PE1121021_b\1210PE1B.0024.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
GRO	840.	849.15	101.09	85-115
TPH	1000.	1018.42	101.84	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	8.689	125.	111.931	89.55	85-115



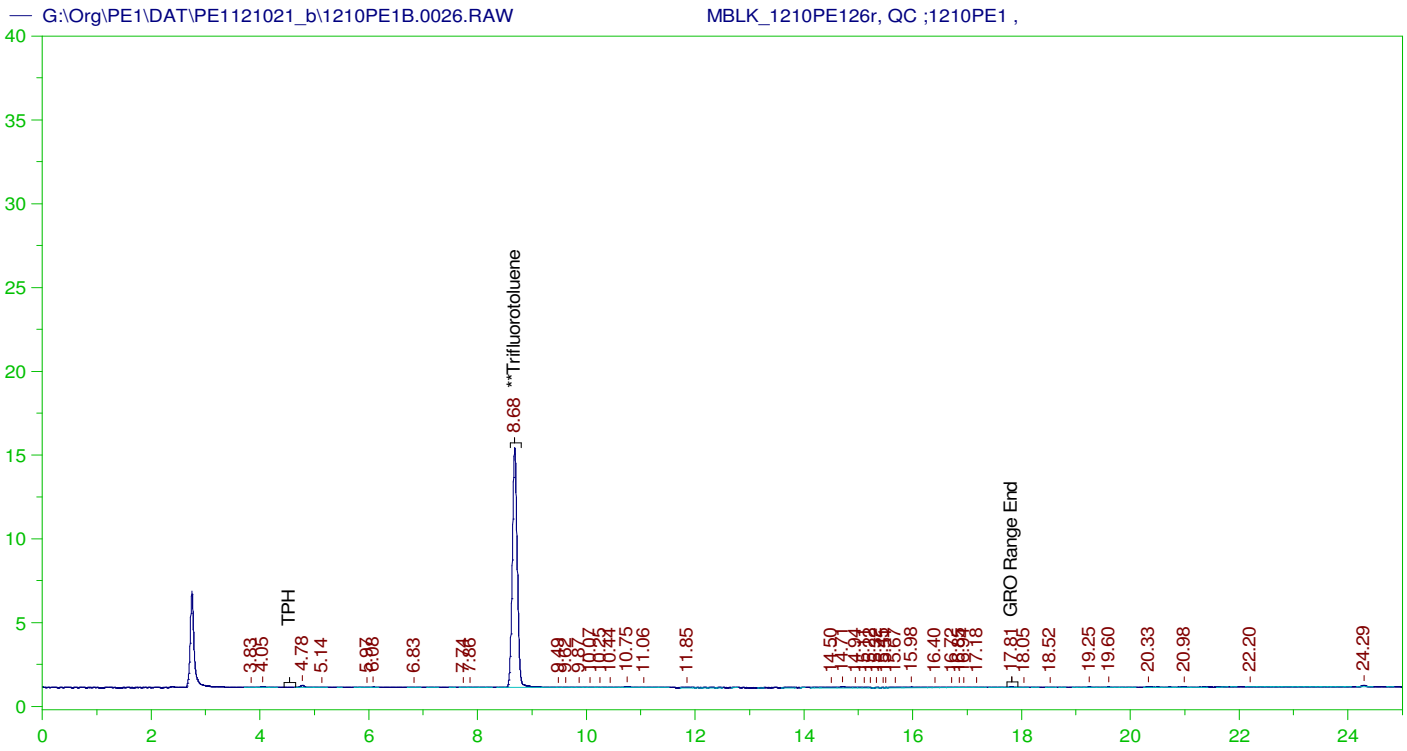
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: LCS_1210PE125r, GQC ;1210PE1 ,
Raw File: G:\Org\PE1\DAT\PE1121021_b\1210PE1B.0025.RAW
Date & Time Acquired: 12/10/2021 10:55:37 PM
Method File: G:\Org\PE1\Methods\211208GLCS1210_25B%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

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

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.686	25.	22.243	88.97	-

GRO Area:828057.4 GRO Amount: 175.071
TPH Area:970593.9 TPH Amount: 213.4601



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: MBLK_1210PE126r, QC ;1210PE1 ,
Raw File: G:\Org\PE1\DAT\PE1121021_b\1210PE1B.0026.RAW
Date & Time Acquired: 12/10/2021 11:29:52 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

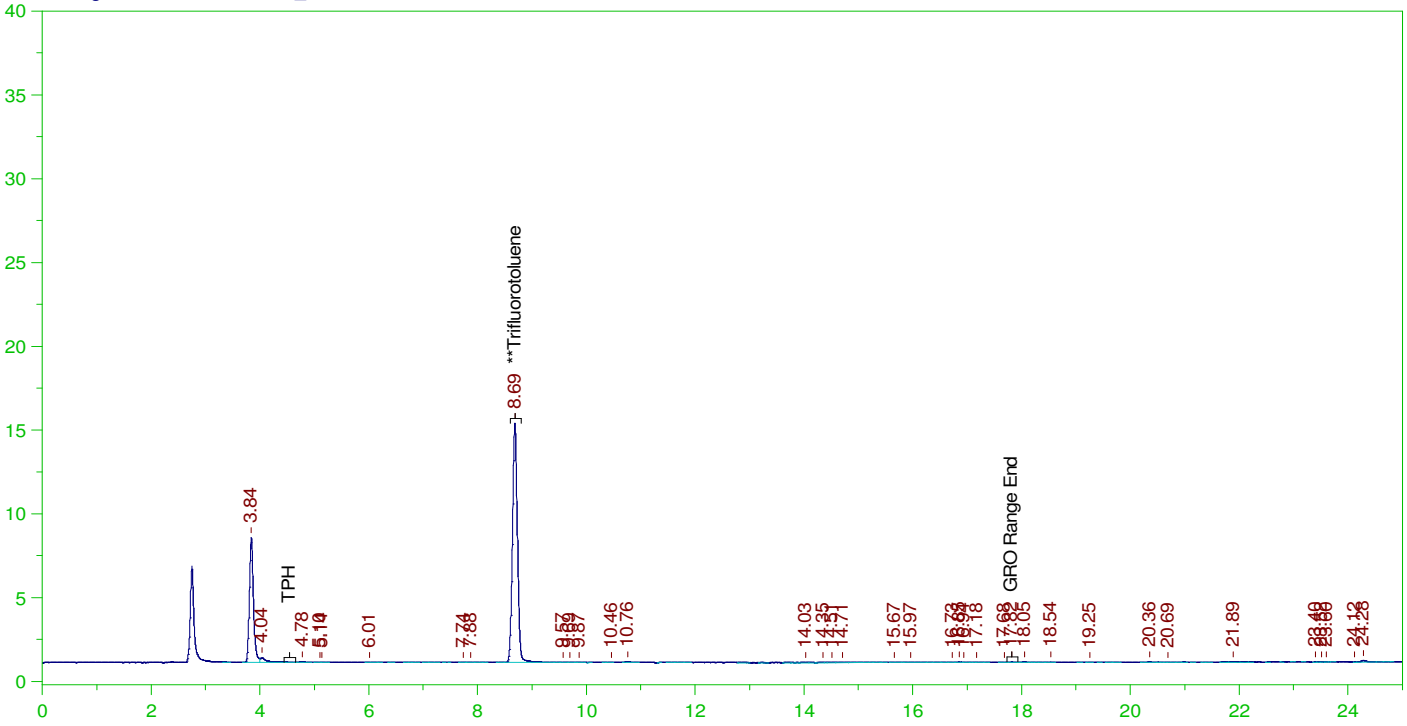
Mean RF for GRO: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.684	25.	19.41	77.64	-

GRO Area:6997.789 GRO Amount: 1.479498
TPH Area:9300.527 TPH Amount: 2.04544

ERH2016 (RHMW15-05)

G:\Org\PE1\DAT\PE1121021_b\1210PE1B.0027.RAW B21120396-001D ;1210PE1 , $HC-8015-GRO-W,



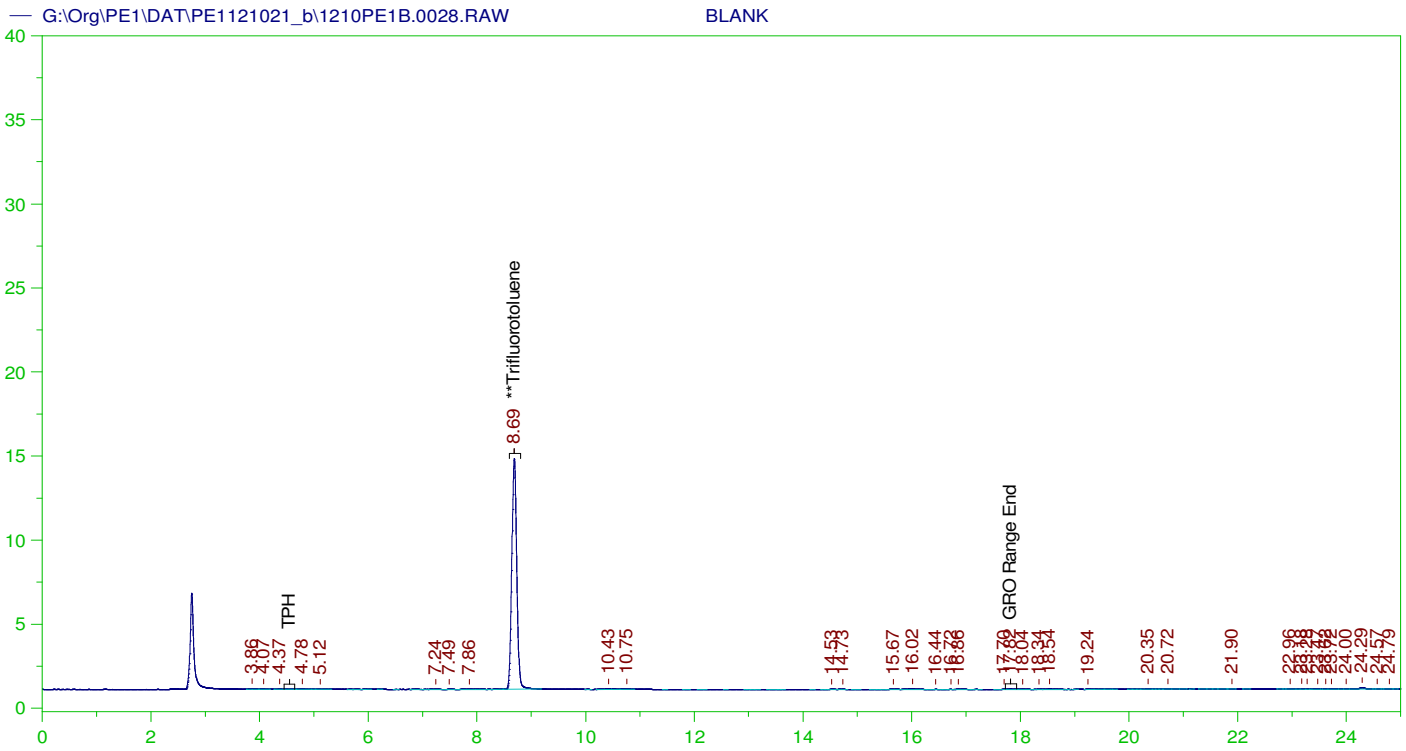
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B21120396-001D ;1210PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1121021_b\1210PE1B.0027.RAW
Date & Time Acquired: 12/11/2021 12:04:08 AM
Method File: G:\Org\PE1\Methods\211208GROB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

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

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.687	25.	19.499	77.99	-

GRO Area:3876.151 GRO Amount: 0.8195102
TPH Area:47567.96 TPH Amount: 10.46149



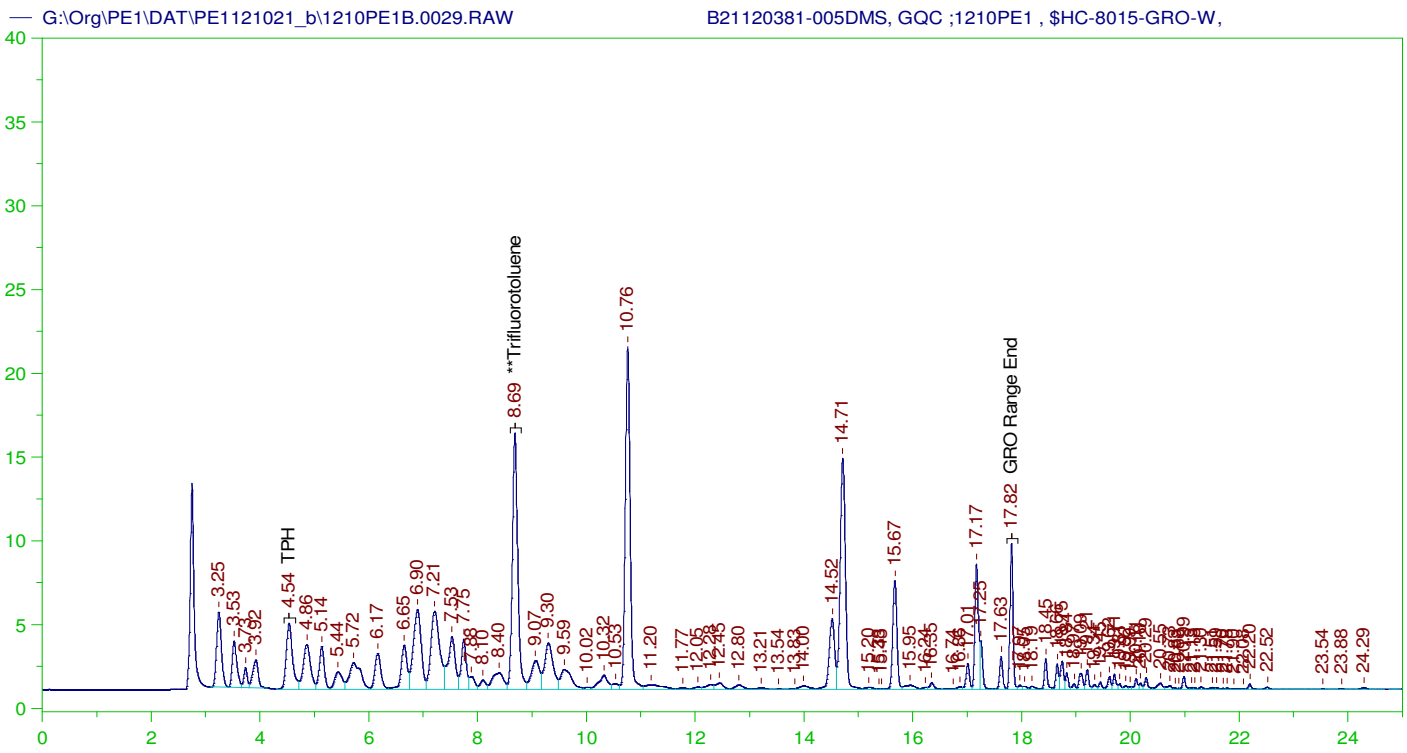
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
Raw File: G:\Org\PE1\DAT\PE1121021_b\1210PE1B.0028.RAW
Date & Time Acquired: 12/11/2021 12:38:26 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.	92.566	74.05	-

GRO Area:3196.267 GRO Amount: 3.378833
TPH Area:6739.779 TPH Amount: 7.411307



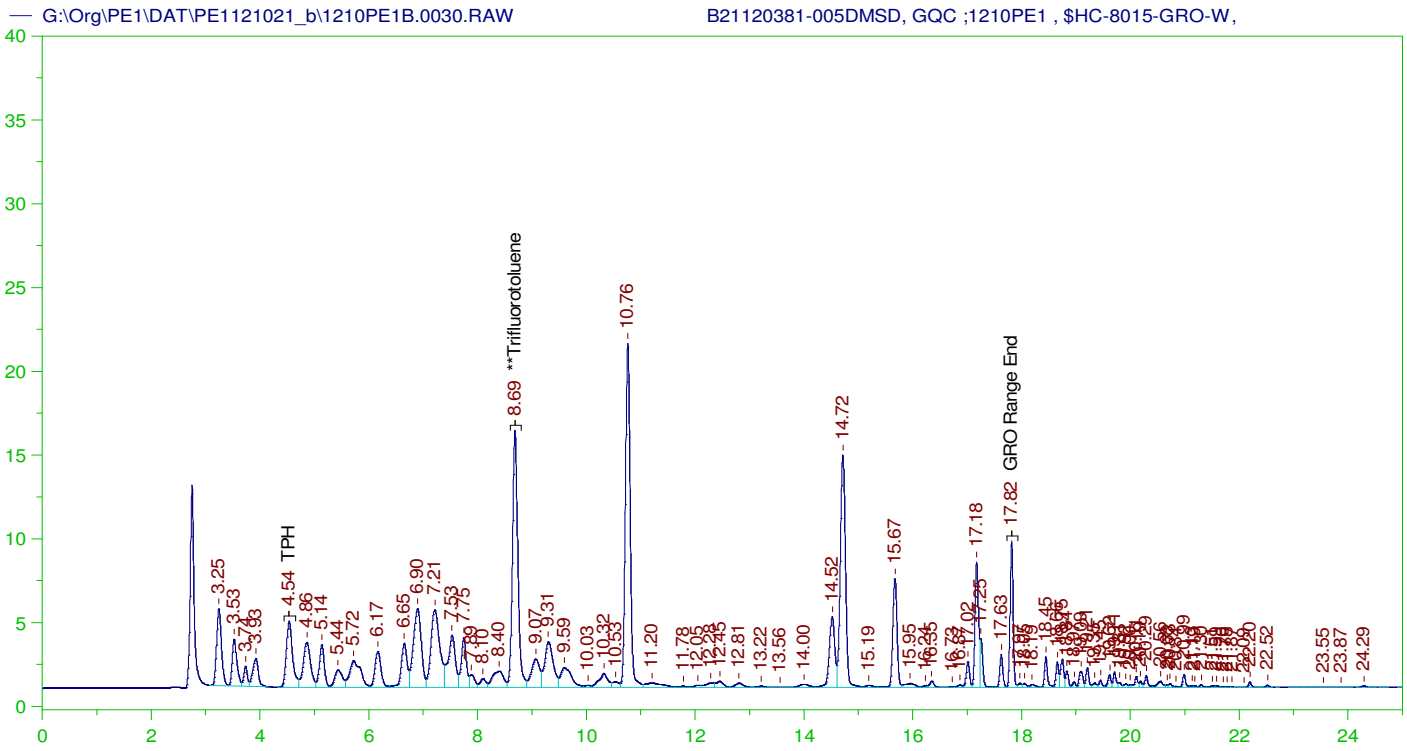
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B21120381-005DMS, GQC ;1210PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1121021_b\1210PE1B.0029.RAW
Date & Time Acquired: 12/11/2021 1:12:47 AM
Method File: G:\Org\PE1\Methods\211208G381-5MSB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

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

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.687	25.	22.406	89.62	-

GRO Area:808043.6 GRO Amount: 170.8396
TPH Area:942693.1 TPH Amount: 207.3239



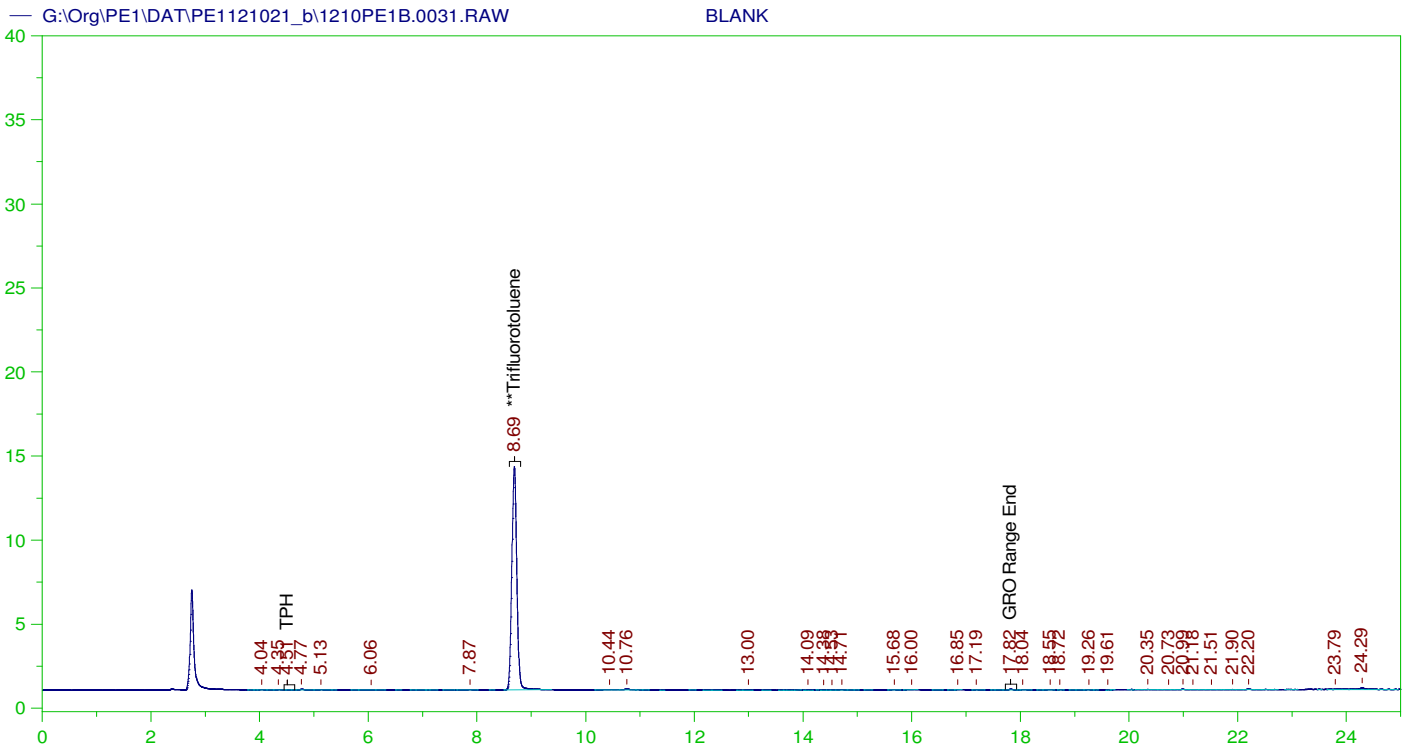
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B21120381-005DMSD, GQC ;1210PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1121021_b\1210PE1B.0030.RAW
Date & Time Acquired: 12/11/2021 1:47:08 AM
Method File: G:\Org\PE1\Methods\211208G381-5MSDB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

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

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.689	25.	22.486	89.95	-

GRO Area:806174.3 GRO Amount: 170.4443
TPH Area:940782.6 TPH Amount: 206.9038



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
Raw File: G:\Org\PE1\DAT\PE1121021_b\1210PE1B.0031.RAW
Date & Time Acquired: 12/11/2021 2:21:21 AM
Method File: G:\Org\PE1\Methods\211208GROB.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

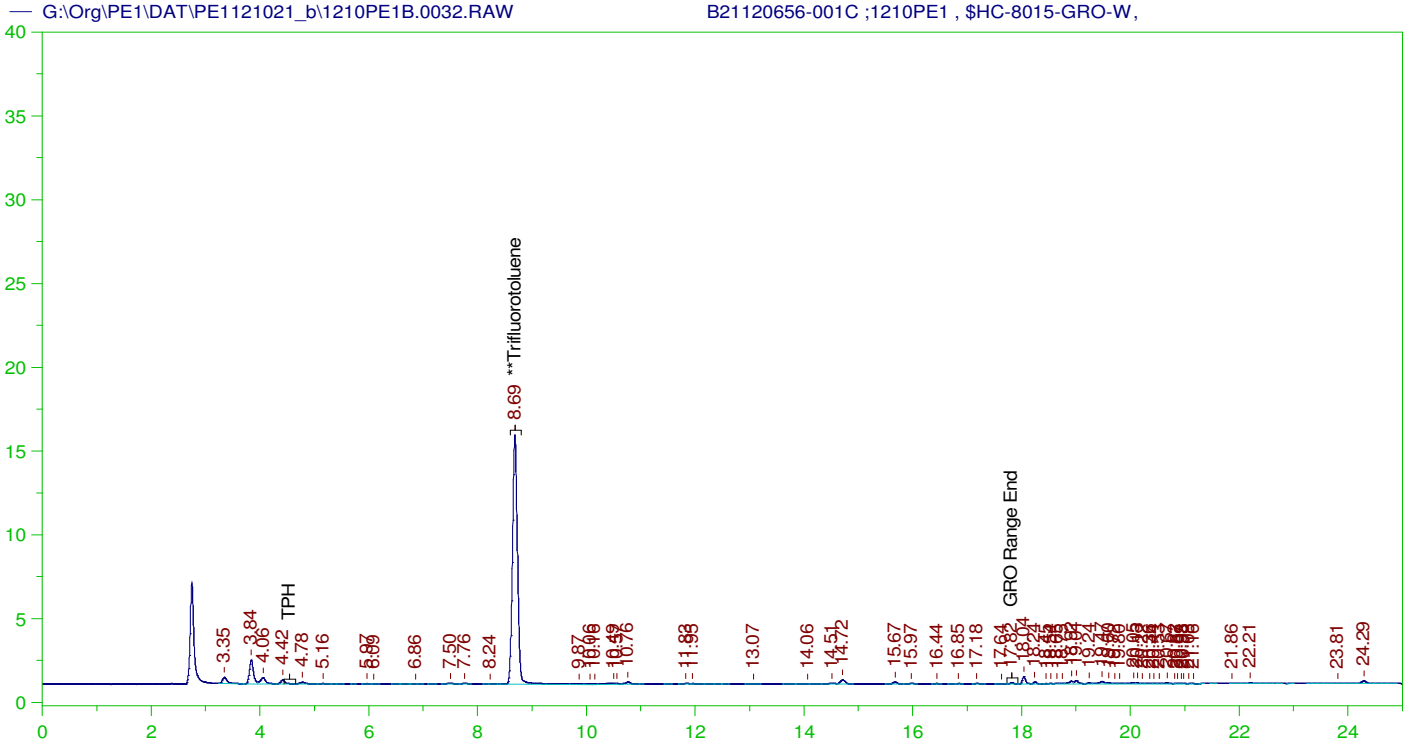
Mean RF for GRO: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.688	125.	89.885	71.91	-

GRO Area:3521.04 GRO Amount: 3.722156
TPH Area:6120.632 TPH Amount: 6.73047

Creek 0+100

G:\Org\PE1\DAT\PE1121021_b\1210PE1B.0032.RAW B21120656-001C ;1210PE1 , $HC-8015-GRO-W,



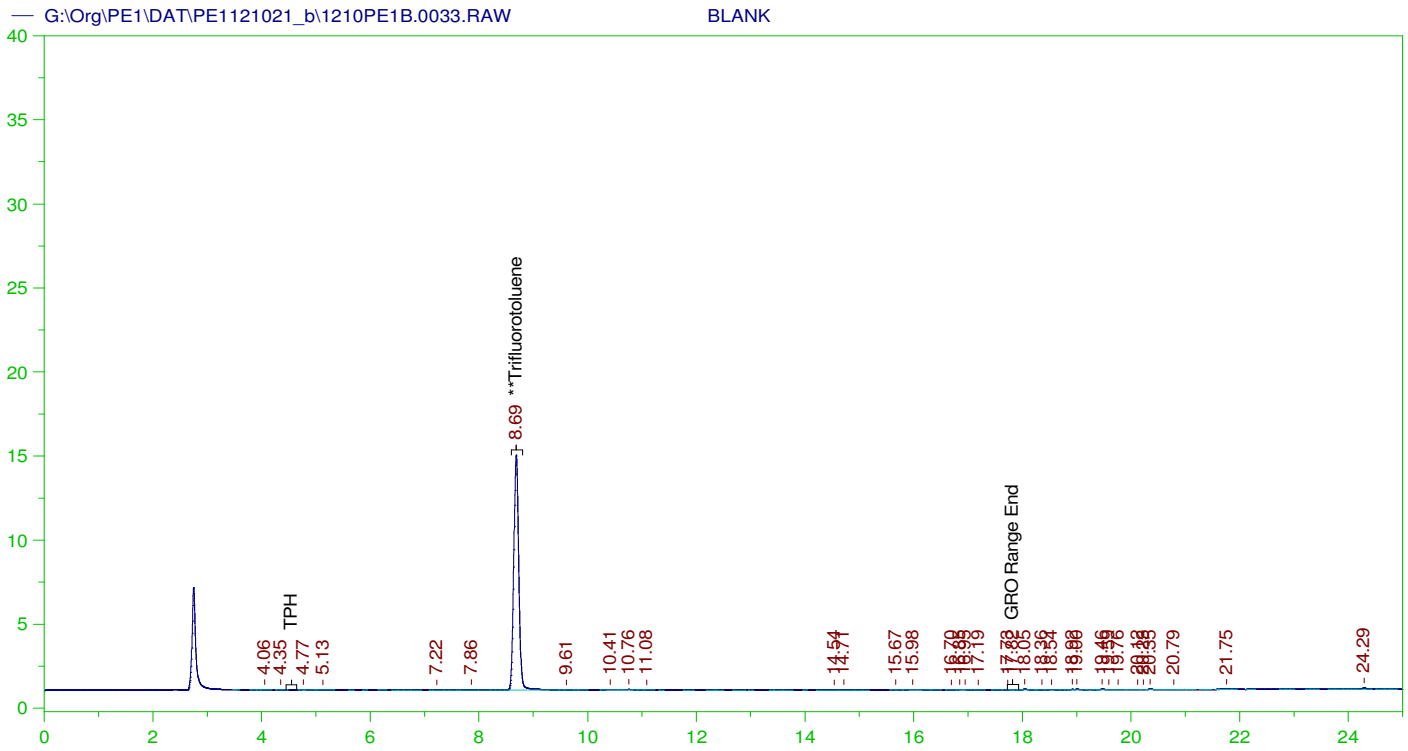
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B21120656-001C ;1210PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1121021_b\1210PE1B.0032.RAW
Date & Time Acquired: 12/11/2021 2:55:35 AM
Method File: G:\Org\PE1\Methods\211208G656-1B%.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	8.687	25.	20.297	81.19	-

GRO Area:9288.887 GRO Amount: 1.963891
TPH Area:35389.2 TPH Amount: 7.783051



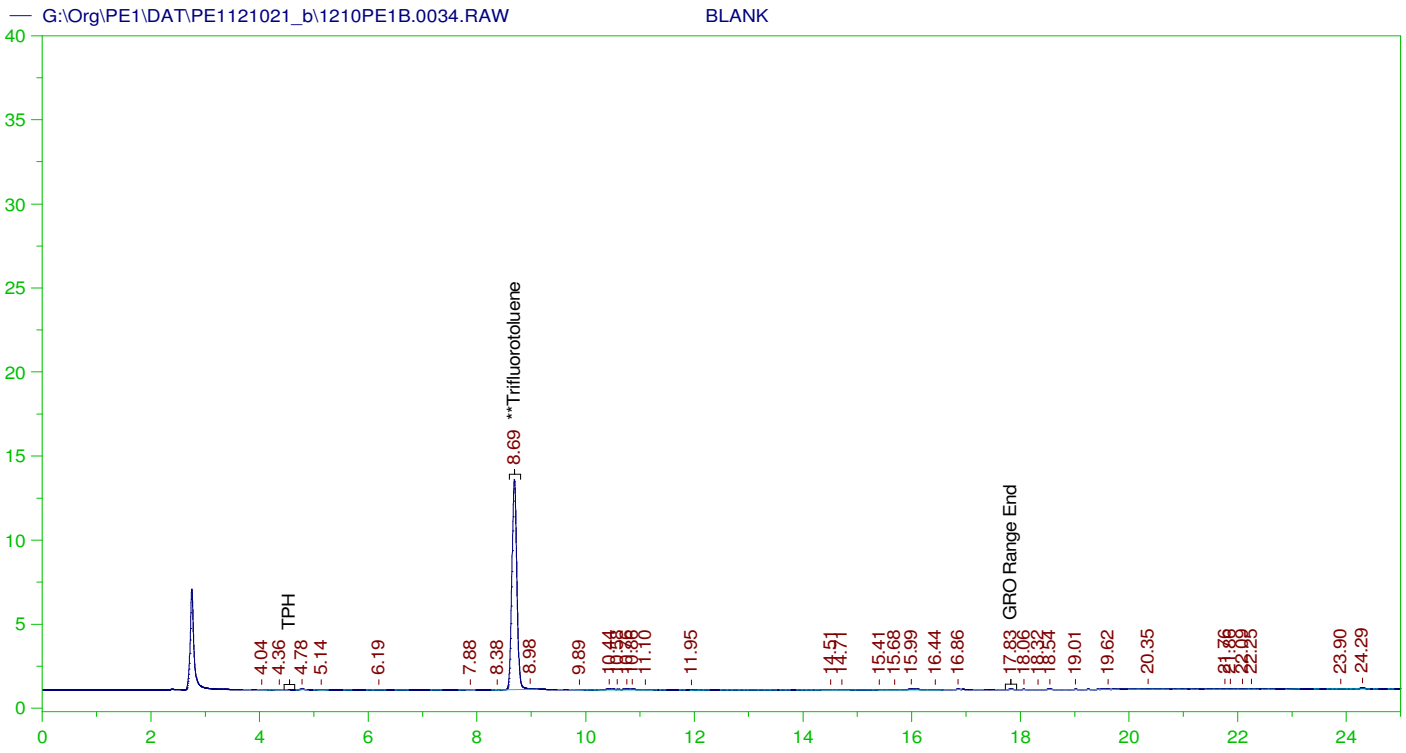
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
Raw File: G:\Org\PE1\DAT\PE1121021_b\1210PE1B.0033.RAW
Date & Time Acquired: 12/11/2021 3:29:49 AM
Method File: G:\Org\PE1\Methods\211208GROB.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

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

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.686	125.	95.448	76.36	-

GRO Area:3590.655 GRO Amount: 3.795748
TPH Area:6429.957 TPH Amount: 7.070615



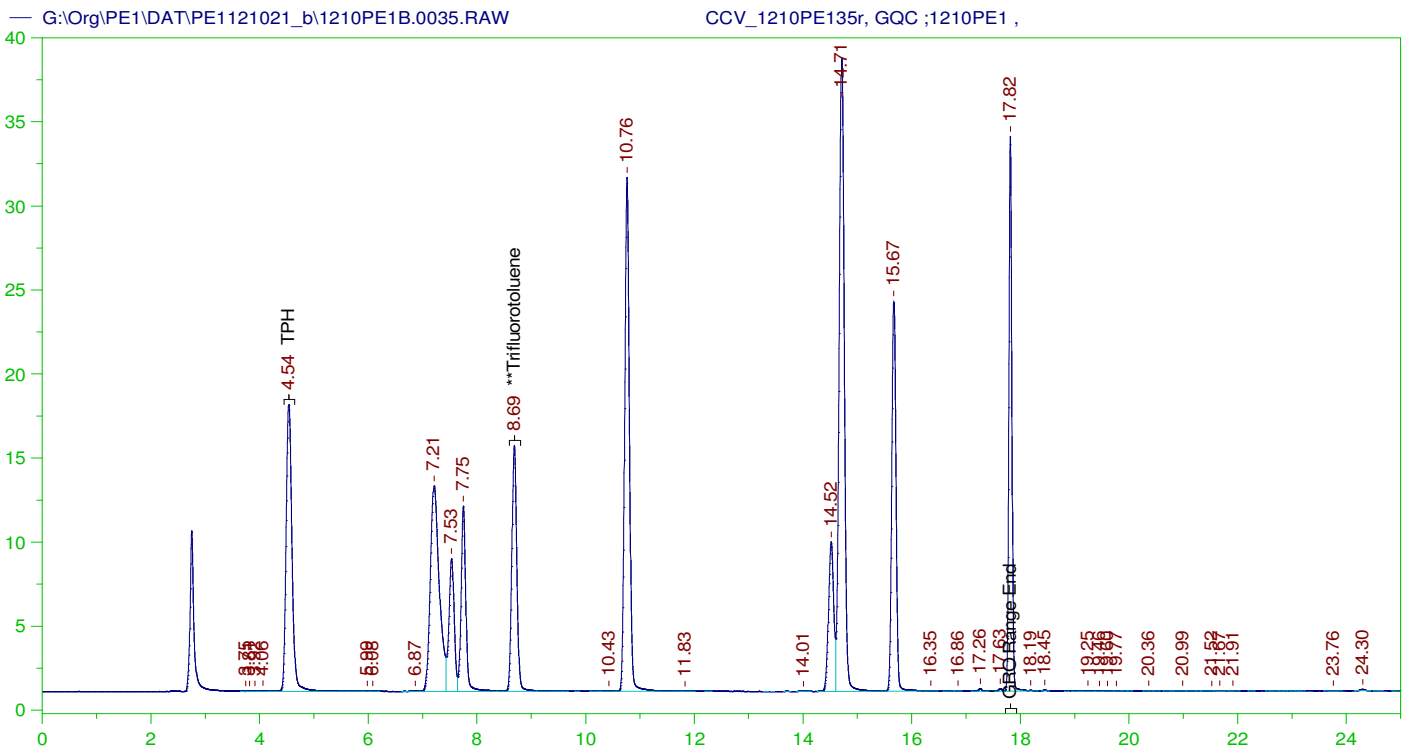
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
Raw File: G:\Org\PE1\DAT\PE1121021_b\1210PE1B.0034.RAW
Date & Time Acquired: 12/11/2021 4:04:05 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.	84.301	67.44	-

GRO Area:4167.964 GRO Amount: 4.406032
TPH Area:6209.669 TPH Amount: 6.828378



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_1210PE135r, GQC ;1210PE1 ,
Raw File: G:\Org\PE1\DAT\PE1121021_b\1210PE1B.0035.RAW
Date & Time Acquired: 12/11/2021 4:38:15 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.	99.339	79.47	-

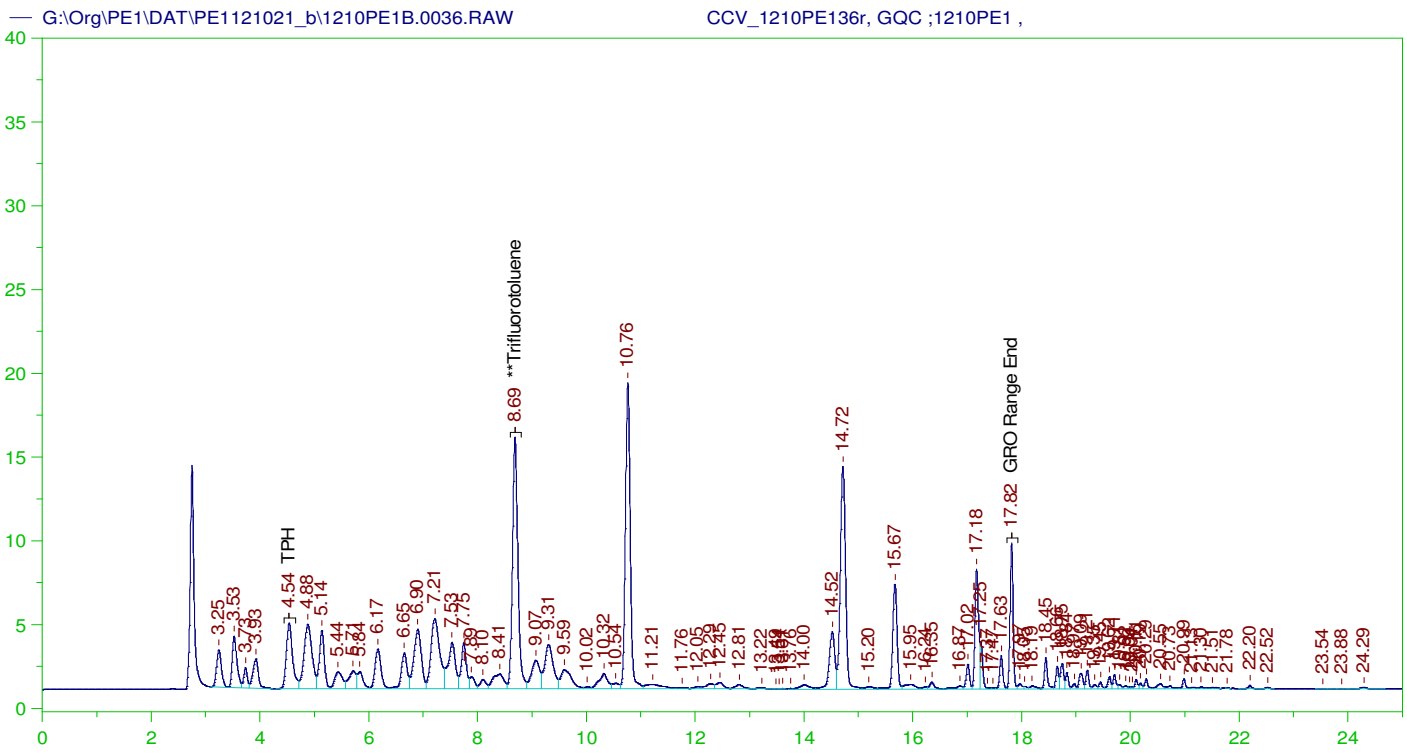
GRO Area:1144694 GRO Amount: 1210.077
TPH Area:1147297 TPH Amount: 1261.61

CONTINUING CALIBRATION REPORT: G:\Org\PE1\DAT\PE1121021_b\1210PE1B.0035.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
GRO	840.	1210.08	144.06	85-115
TPH	1000.	1261.61	126.16	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	8.687	125.	99.339	79.47	85-115

G:\org\PE1\dat\PE1121021_b\Review\035_CCV_1210PE135r_211208GROB.xls



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_1210PE136r, GQC ;1210PE1 ,
Raw File: G:\Org\PE1\DAT\PE1121021_b\1210PE1B.0036.RAW
Date & Time Acquired: 12/11/2021 5:12:30 AM
Method File: G:\Org\PE1\Methods\211208GCCV1210_36B%.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

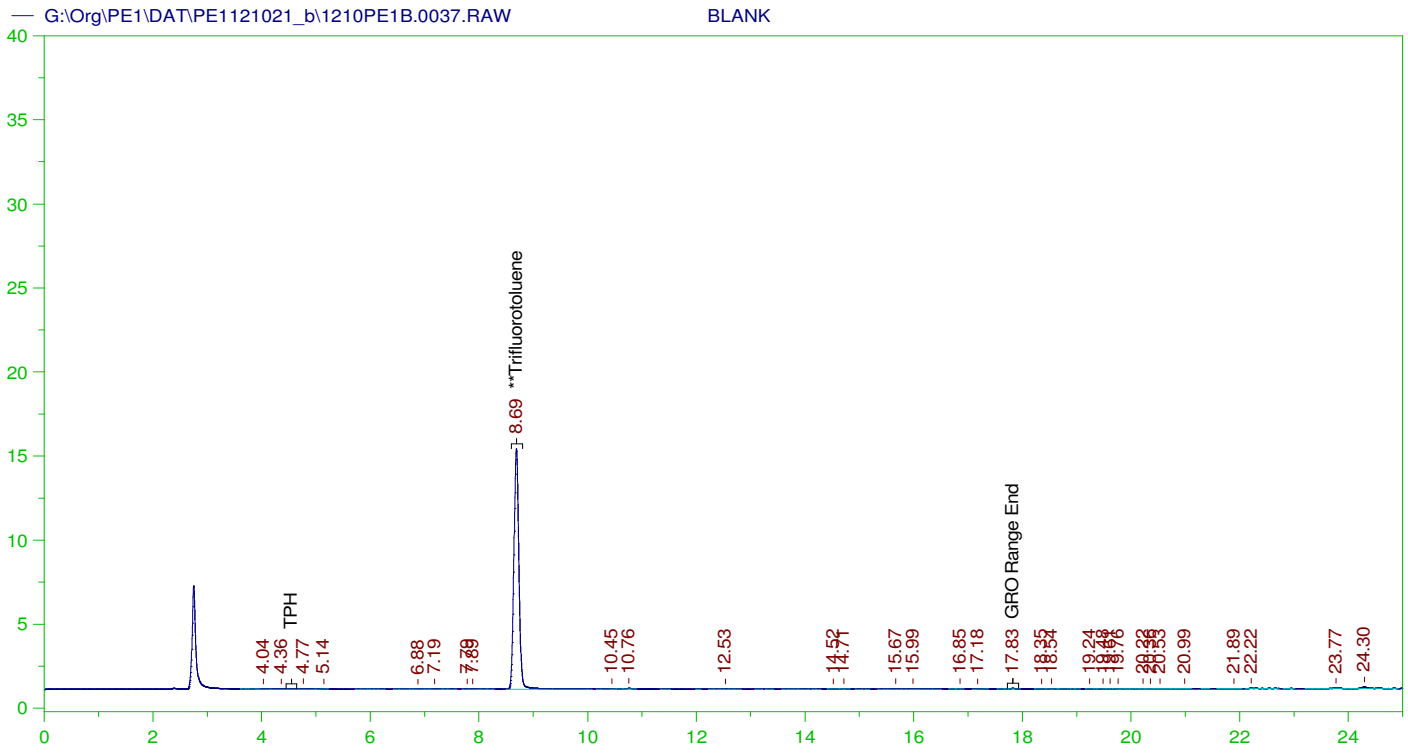
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.689	125.	111.039	88.83	-

GRO Area:773073.4 GRO Amount: 817.2302
TPH Area:887749.1 TPH Amount: 976.2013

CONTINUING CALIBRATION REPORT: G:\Org\PE1\DAT\PE1121021_b\1210PE1B.0036.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
GRO	840.	817.23	97.29	85-115
TPH	1000.	976.2	97.62	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	8.689	125.	111.039	88.83	85-115



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
Raw File: G:\Org\PE1\DAT\PE1121021_b\1210PE1B.0037.RAW
Date & Time Acquired: 12/11/2021 5:46:47 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.	97.251	77.8	-

GRO Area:3092.335 GRO Amount: 3.268965
TPH Area:5606.498 TPH Amount: 6.165109

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\PE1121021_b\1210PE1.01r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1121021_b\1210PE1.02r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1121021_b\1210PE1.03r	CCV_1210PE103r, GQC ;1210PE1 ,	G:\Org\PE1\Methods\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1121021_b\1210PE1.04r	CCV_1210PE104r, GQC ;1210PE1 ,	G:\Org\PE1\Methods\21120	1	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\PE1\DAT\PE1121021_b\1210PE1.05r	LCS_1210PE105r, GQC ;1210PE1 ,	G:\Org\PE1\Methods\21120	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\PE1\DAT\PE1121021_b\1210PE1.06r	MBLK_1210PE106r, QC ;1210PE1 ,	G:\Org\PE1\Methods\21120	5	1	1	1	0	None
G:\Org\PE1\DAT\PE1121021_b\1210PE1.07r	B21120381-004D ;1210PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0	None
G:\Org\PE1\DAT\PE1121021_b\1210PE1.08r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1121021_b\1210PE1.09r	B21120381-005D ;1210PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0	None
G:\Org\PE1\DAT\PE1121021_b\1210PE1.10r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1121021_b\1210PE1.11r	B21120381-006D ;1210PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0	None
G:\Org\PE1\DAT\PE1121021_b\1210PE1.12r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1121021_b\1210PE1.13r	B21120381-007D ;1210PE1 , $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\PE1121021_b\1210PE1.14r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1121021_b\1210PE1.15r	B21120381-008D ;1210PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0	None
G:\Org\PE1\DAT\PE1121021_b\1210PE1.16r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1121021_b\1210PE1.17r	B21120381-009B ;1210PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0	None
G:\Org\PE1\DAT\PE1121021_b\1210PE1.18r	B21120381-010B ;1210PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0	None
G:\Org\PE1\DAT\PE1121021_b\1210PE1.19r	B21120381-011B ;1210PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0	None
G:\Org\PE1\DAT\PE1121021_b\1210PE1.20r	B21120381-012B ;1210PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0	None
G:\Org\PE1\DAT\PE1121021_b\1210PE1.21r	B21120396-002B ;1210PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0	None
G:\Org\PE1\DAT\PE1121021_b\1210PE1.22r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1121021_b\1210PE1.23r	CCV_1210PE123r, GQC ;1210PE1 ,	G:\Org\PE1\Methods\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1121021_b\1210PE1.24r	CCV_1210PE124r, GQC ;1210PE1 ,	G:\Org\PE1\Methods\21120	1	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\PE1\DAT\PE1121021_b\1210PE1.25r	LCS_1210PE125r, GQC ;1210PE1 ,	G:\Org\PE1\Methods\21120	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\PE1\DAT\PE1121021_b\1210PE1.26r	MBLK_1210PE126r, QC ;1210PE1 ,	G:\Org\PE1\Methods\21120	5	1	1	1	0	None
G:\Org\PE1\DAT\PE1121021_b\1210PE1.27r	B21120396-001D ;1210PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0	None
G:\Org\PE1\DAT\PE1121021_b\1210PE1.28r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0	None

Josie M Pickard
Chemist

Digitally signed by
Josie Pickard
Date: 2022.01.14 14:33:19 -07:00

G:\Org\PE1\DAT\PE1121021_b\1210PE1.29r	B21120381-005DMS, GQC ;1210PE1 , $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\PE1121021_b\1210PE1.30r	B21120381-005DMSD, GQC ;1210PE1 , $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\PE1121021_b\1210PE1.31r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1121021_b\1210PE1.32r	B21120656-001C ;1210PE1 , $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\PE1121021_b\1210PE1.33r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1121021_b\1210PE1.34r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1121021_b\1210PE1.35r	CCV_1210PE135r, GQC ;1210PE1 ,	G:\Org\PE1\Methods\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1121021_b\1210PE1.36r	CCV_1210PE136r, GQC ;1210PE1 ,	G:\Org\PE1\Methods\21120	1	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\PE1\DAT\PE1121021_b\1210PE1.37r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0	None

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**

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**

Energy Laboratories Inc

Standard LOG

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

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

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

Final Volume: 5 mL

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

125 Market Street
New Haven, CT 06513
USA

AccuStandard, Inc.

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

CERTIFICATE OF ANALYSIS

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

Danger 2

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

Included on ISO/IEC 17025 Scope of Accreditation: Yes

Included on ISO Guide 34 Scope of Accreditation: Yes

Component	CAS #	Purity % (GC/FID)	Prepared Concentration[1] (%w/w)	Certified Analyte Concentration[2] (%w/w)
Gasoline - Regular, unleaded	8006-61-9	Tech Mix	33.30	33.30
Gasoline - Plus, unleaded	8006-61-9	Tech Mix	33.40	33.40
Gasoline - Premium, unleaded	8006-61-9	Tech Mix	33.30	33.30

ID #: 8120
Opened:
Alaska Gasoline Calibration Mix Version 4/8/0
Expires: 6/7/2023
Rec'd: 1/27/2016
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

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

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

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

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

See reverse side for additional information

Certified By:
Larry Decker, Organic QC Manager

For use in routine laboratory analysis.

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

Energy Laboratories Inc

Standard LOG

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

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

Final Volume: 1 mL

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

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

Page: *1 of 1*

Energy Laboratories Inc

Standard LOG

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

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

Final Volume: 1 mL

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

Analytes	CAS	Conc:	ug/mL

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**

125 Market Street
New Haven, CT 06513
USA

AccuStandard, Inc.

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

CERTIFICATE OF ANALYSIS

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

Danger 2

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

Included on ISO/IEC 17025 Scope of Accreditation: Yes

Included on ISO Guide 34 Scope of Accreditation: Yes

Component	CAS #	Purity % (GC/FID)	Prepared Concentration[1] (%w/w)	Certified Analyte Concentration[2] (%w/w)
Gasoline - Regular, unleaded	8006-61-9	Tech Mix	33.30	33.30
Gasoline - Plus, unleaded	8006-61-9	Tech Mix	33.40	33.40
Gasoline - Premium, unleaded	8006-61-9	Tech Mix	33.30	33.30

ID #: 8120
Opened:
Alaska Gasoline Calibration Mix Version 4/8/0
Expires: 6/7/2023
Rec'd: 1/27/2016
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

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

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

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

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

See reverse side for additional information

Certified By:
Larry Decker, Organic QC Manager

For use in routine laboratory analysis.

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

Energy Laboratories Inc

Standard LOG

Standard ID:	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**

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USA

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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.