

Energy Laboratories Inc

ANALYTICAL RUN Summary

18-Feb-22

Run ID PE 1_220131A

Run Start Date: 1/31/2022
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
GAS220104	Unleaded Gasoline Comp. Std.(2.0uL)						6/7/2023
GASL220131	Low Gasoline Std.						6/7/2023
GQC211012	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
TFT220131	TFT (1.05uL)						9/10/2029
TFTL220131	TFTL						9/10/2029
TFTM220131	TFTM						9/10/2029

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15016853	CCV_0131PE10	HC-8015-GRO-	CCV		1/31/2022 12:10:	1	R374194			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	200.454	200.454		168	0	0	2.32	20	0	119%	80	120	0%	
Total Purgeable Hydrocarbons	A	ug/L	216.214	216.214		200	0	0	3.56	20	0	108%	80	120	0%	
Trifluorotoluene	S	ug/L	19.2261	19.2261		25	0	0	0.0743	1	0	77%	80	120	0%	S
GRO as Gasoline	X	ug/L	200.454	200.454		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					
15016854	CCV_0131PE10	HC-8015-GRO-	CCV		1/31/2022 2:27:2	1	R374194			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	17.49415	17.49415		16.8	0	0	2.32	20	0	104%	80	120	0%	
Total Purgeable Hydrocarbons	A	ug/L	21.11482	21.11482		20	0	0	3.56	20	0	106%	80	120	0%	
Trifluorotoluene	S	ug/L	1.080807	1.080807		1	0	0	0.0743	1	0	108%	80	120	0%	
GRO as Gasoline	X	ug/L	17.49415	17.49415		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					
15016855	CCV_0131PE10	HC-8015-GRO-	CCV		1/31/2022 3:01:4	1	R374194		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	76.45609	76.45609		84	0	0	2.32	20	0	91%	80	120	0%	
Total Purgeable Hydrocarbons	A	ug/L	93.11385	93.11385		100	0	0	3.56	20	0	93%	80	120	0%	
Trifluorotoluene	S	ug/L	5.398805	5.398805		5	0	0	0.0743	1	0	108%	80	120	0%	
GRO as Gasoline	X	ug/L	76.45609	76.45609		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					
15016856	CCV_0131PE11	HC-8015-GRO-	CCV		1/31/2022 3:35:5	1	R374194		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	166.2674	166.2674		168	0	0	2.32	20	0	99%	80	120	0%	
Total Purgeable Hydrocarbons	A	ug/L	203.893	203.893		200	0	0	3.56	20	0	102%	80	120	0%	
Trifluorotoluene	S	ug/L	23.55166	23.55166		25	0	0	0.0743	1	0	94%	80	120	0%	
GRO as Gasoline	X	ug/L	166.2674	166.2674		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					
15016857	CCV_0131PE11	HC-8015-GRO-	CCV		1/31/2022 4:10:1	1	R374194		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	798.8141	798.8141		840	0	0	2.32	20	0	95%	80	120	0%	
Total Purgeable Hydrocarbons	A	ug/L	980.5016	980.5016		1000	0	0	3.56	20	0	98%	80	120	0%	
Trifluorotoluene	S	ug/L	94.4721	94.4721		100	0	0	0.0743	1	0	94%	80	120	0%	
GRO as Gasoline	X	ug/L	798.8141	798.8141		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					
15016858	CCV_0131PE11	HC-8015-GRO-	CCV		1/31/2022 4:44:2	1	R374194		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	1645.297	1645.297		1680	0	0	2.32	20	0	98%	80	120	0%	
Total Purgeable Hydrocarbons	A	ug/L	2026.306	2026.306		2000	0	0	3.56	20	0	101%	80	120	0%	
Trifluorotoluene	S	ug/L	190.5342	190.5342		200	0	0	0.0743	1	0	95%	80	120	0%	
GRO as Gasoline	X	ug/L	1645.297	1645.297		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					
15016859	LCS_0131PE11	HC-8015-GRO-	LCS		1/31/2022 5:52:5	1	R374194		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	161.2798	161.2798		170	0	0	2.32	20	0	95%	70	130	0%	
Total Purgeable Hydrocarbons	A	ug/L	199.6474	199.6474		200	0	0	3.56	20	0	100%	70	130	0%	
Trifluorotoluene	S	ug/L	23.3775	23.3775		25	0	0	0.0743	1	0	94%	70	130	0%	
GRO as Gasoline	X	ug/L	161.2798	161.2798		170	0	0	2.32	20	0	95%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15016860	CCV_0131PE11	HC-8015-GRO-	CCV		1/31/2022 6:27:0	1	R374194		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	169.7584	169.7584		168	0	0	2.32	20	0	101%	80	120	0%	
Total Purgeable Hydrocarbons	A	ug/L	207.9848	207.9848		200	0	0	3.56	20	0	104%	80	120	0%	
Trifluorotoluene	S	ug/L	23.90722	23.90722		25	0	0	0.0743	1	0	96%	80	120	0%	
GRO as Gasoline	X	ug/L	169.7584	169.7584		0	0	0	2.32	20	0	0%	0	0	0%	

<input type="text" value="Write Sequence"/>	<input type="text" value="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\PE1013122_b\0131PE1.04r	CCV_0131PE104r, GQC ;0131PE1 , 8015 Marker	G:\Org\PE1\Methods\22013	1	1	1	1	0	
G:\Org\PE1\DAT\PE1013122_b\0131PE1.05r	BLANK	G:\Org\PE1\Methods\22013	1	1	1	1	0	
G:\Org\PE1\DAT\PE1013122_b\0131PE1.06r	BLANK	G:\Org\PE1\Methods\22013	1	1	1	1	0	
G:\Org\PE1\DAT\PE1013122_b\0131PE1.07r	BLANK	G:\Org\PE1\Methods\22013	1	1	1	1	0	
G:\Org\PE1\DAT\PE1013122_b\0131PE1.08r	CCV_0131PE108r, GQC ;0131PE1 ,	G:\Org\PE1\Methods\22013	1	1	1	1	0	
G:\Org\PE1\DAT\PE1013122_b\0131PE1.09r	CCV_0131PE109r, GQC ;0131PE1 ,	G:\Org\PE1\Methods\22013	1	1	1	1	0	
G:\Org\PE1\DAT\PE1013122_b\0131PE1.10r	CCV_0131PE110r, GQC ;0131PE1 ,	G:\Org\PE1\Methods\22013	1	1	1	1	0	
G:\Org\PE1\DAT\PE1013122_b\0131PE1.11r	CCV_0131PE111r, GQC ;0131PE1 ,	G:\Org\PE1\Methods\22013	1	1	1	1	0	
G:\Org\PE1\DAT\PE1013122_b\0131PE1.12r	CCV_0131PE112r, GQC ;0131PE1 ,	G:\Org\PE1\Methods\22013	1	1	1	1	0	
G:\Org\PE1\DAT\PE1013122_b\0131PE1.13r	BLANK	G:\Org\PE1\Methods\22013	1	1	1	1	0	
G:\Org\PE1\DAT\PE1013122_b\0131PE1.14r	LCS_0131PE114r, GQC ;0131PE1 ,	G:\Org\PE1\Methods\22013	5	1	1	1	0	
G:\Org\PE1\DAT\PE1013122_b\0131PE1.15r	CCV_0131PE115r, GQC ;0131PE1 ,	G:\Org\PE1\Methods\22013	1	1	1	1	0	
G:\Org\PE1\DAT\PE1013122_b\0131PE1.16r	BLANK	G:\Org\PE1\Methods\22013	1	1	1	1	0	

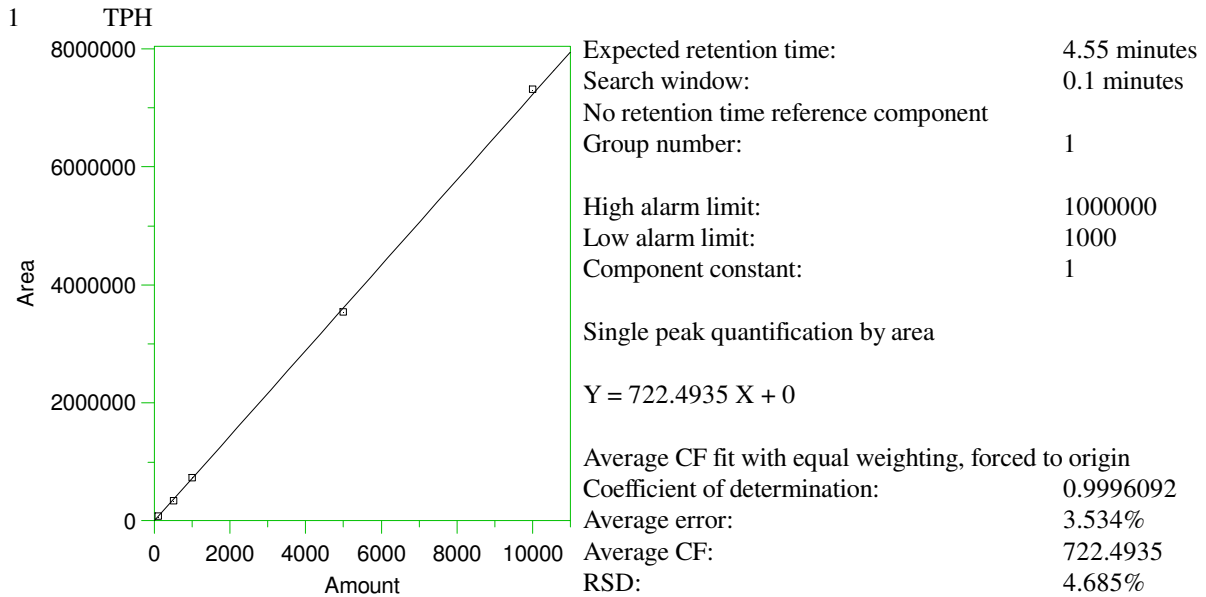
File Name: G:\Org\PE1\Cals\220131GRO8015CB.CAL
 Version: 3

Creator: jmp
 Description: 8015 GRO Composite Gasoline Std 1/31/22
 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

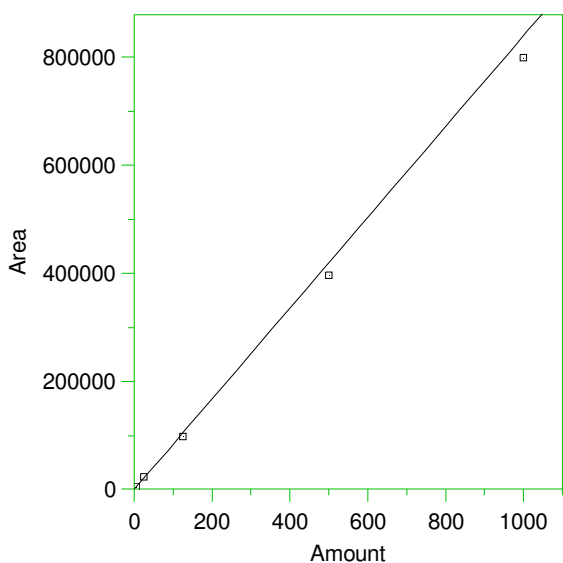
Method of calculating data point averages: Current update equal to cal data
 Print calibration update report

All levels are normal data points.



Level	Amount	Response	Cal Factor	Error, %	Source	Date and time
1	100	76276.62	762.7662	5.574	Manual	2/1/2022 7:26:05 AM
2	500	336370.8	672.7416	-6.886	Manual	2/1/2022 7:26:25 AM
3	1000	736557	736.557	1.947	Manual	2/1/2022 7:26:52 AM
4	5000	3542030	708.406	-1.950	Manual	2/1/2022 7:27:05 AM
5	10000	7319965	731.9965	1.315	Manual	2/1/2022 7:27:19 AM

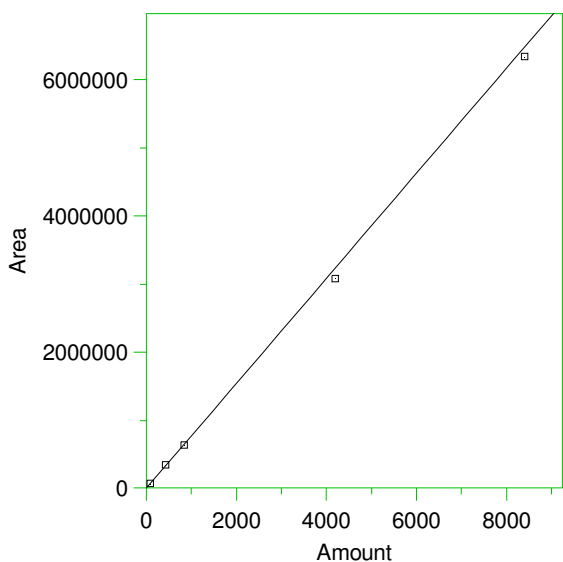
2 **Trifluorotoluene



Expected retention time: 8.71 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
 $Y = 839.5676 X + 0$
 Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9952849
 Average error: 6.422%
 Average CF: 839.5676
 RSD: 7.338%

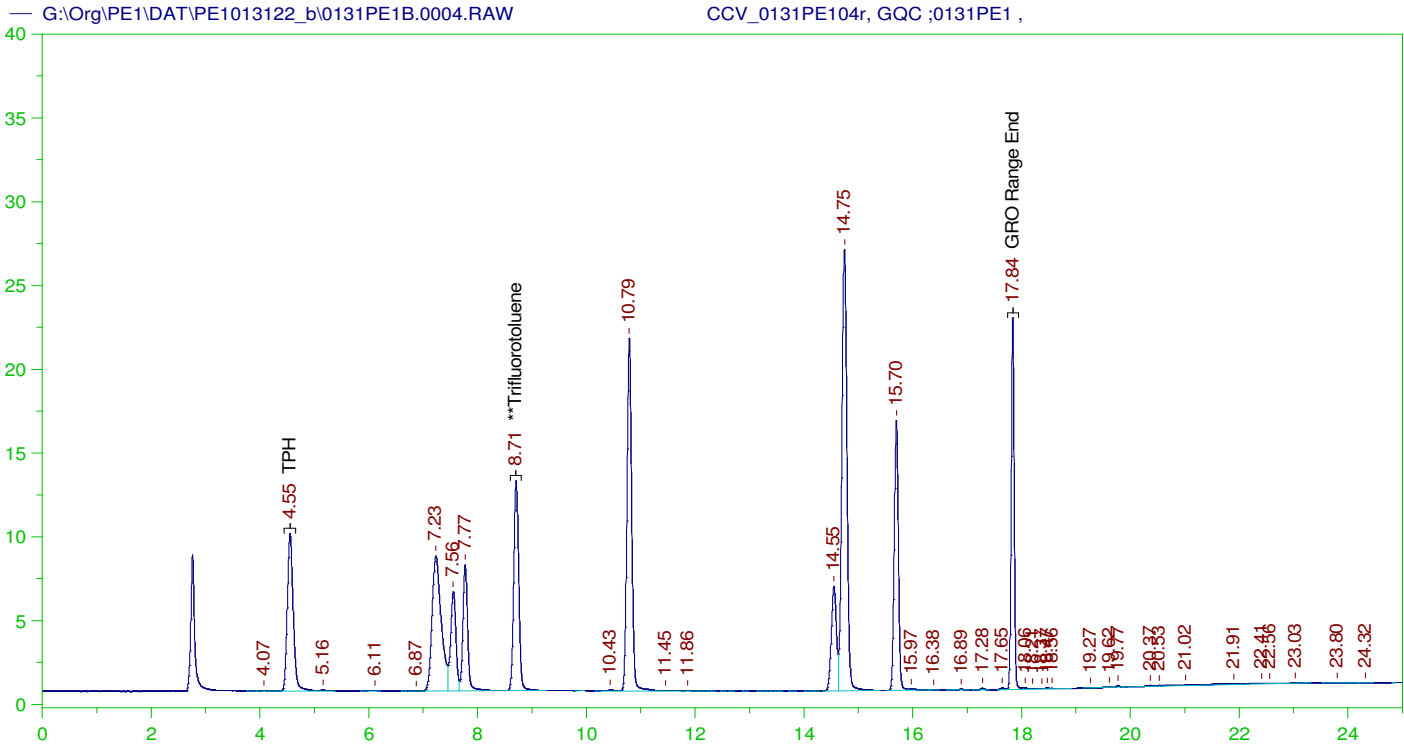
Level	Amount	Response	Cal Factor	Error, %	Source	Date and time
1	5	4537	907.4	8.079	Manual	2/1/2022 7:19:40 AM
2	25	22663	906.52	7.975	Manual	2/1/2022 7:21:37 AM
3	125	98866	790.928	-5.793	Manual	2/1/2022 7:22:41 AM
4	500	396579	793.158	-5.528	Manual	2/1/2022 7:23:45 AM
5	1000	799832	799.832	-4.733	Manual	2/1/2022 7:24:36 AM

3 GRO Range End



Expected retention time: 17.84 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
 $Y = 771.0573 X + 0$
 Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9984711
 Average error: 3.200%
 Average CF: 771.0573
 RSD: 3.918%

Level	Amount	Response	Cal Factor	Error, %	Source	Date and time
1	84	67444.98	802.9164	4.132	Manual	2/1/2022 7:26:14 AM
2	420	336370.8	800.8829	3.868	Manual	2/1/2022 7:26:43 AM
3	840	641008.4	763.1052	-1.031	Manual	2/1/2022 7:26:58 AM
4	4200	3079658	733.2519	-4.903	Manual	2/1/2022 7:27:11 AM
5	8400	6343092	755.13	-2.066	Manual	2/1/2022 7:27:25 AM



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_0131PE104r, GQC ;0131PE1 ,
Raw File: G:\Org\PE1\DAT\PE1013122_b\0131PE1B.0004.RAW
Date & Time Acquired: 1/31/2022 12:10:04 PM
Method File: G:\Org\PE1\Methods\220131GROB.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for GRO: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

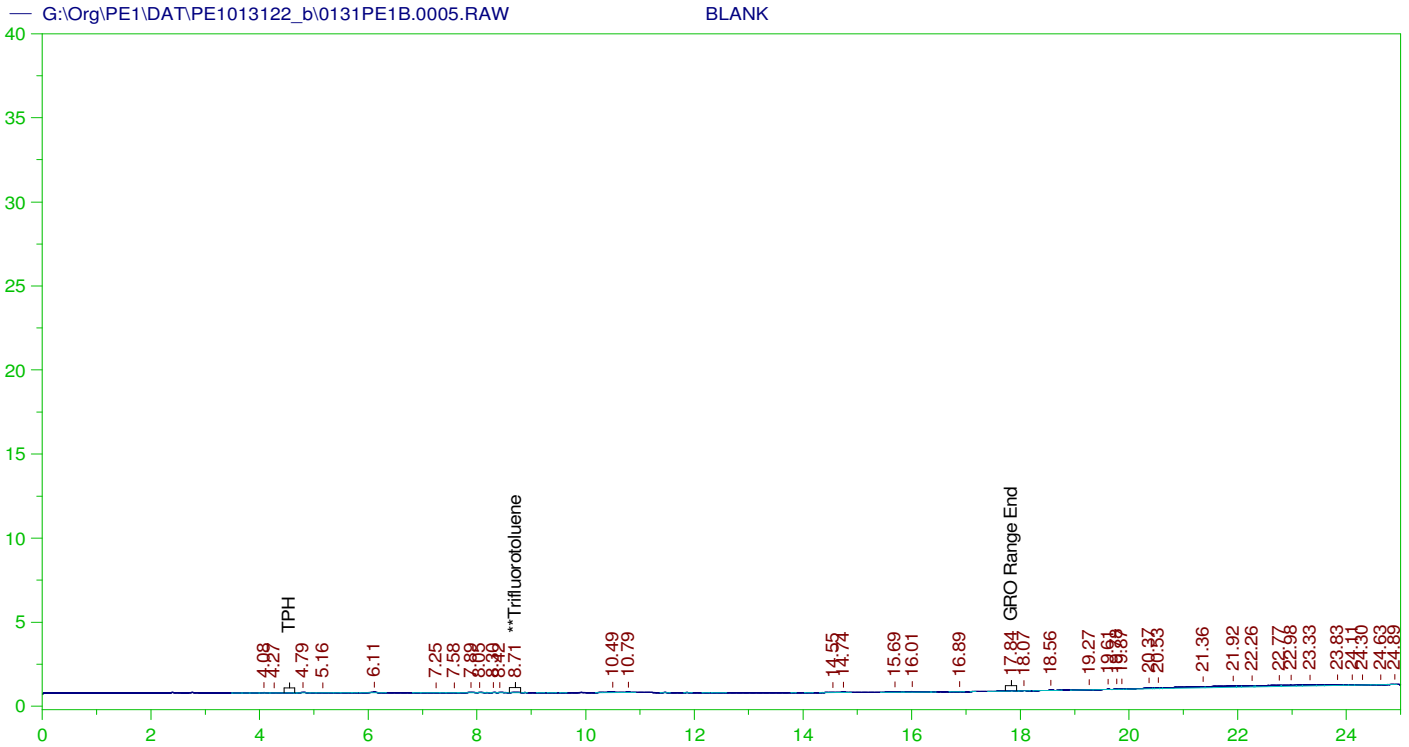
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.711	125.	96.13	76.9	-

GRO Area: 772807.5 GRO Amount: 1002.27
TPH Area: 781066.3 TPH Amount: 1081.07

CONTINUING CALIBRATION REPORT: G:\Org\PE1\DAT\PE1013122_b\0131PE1B.0004.RAW

COMPOUND	ACTUAL (NG)	MEASURED (NG)	%RECOVERY	LIMITS
GRO	840.	1002.27	119.32	85-115
TPH	1000.	1081.07	108.11	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	8.711	125.	96.13	76.9	85-115



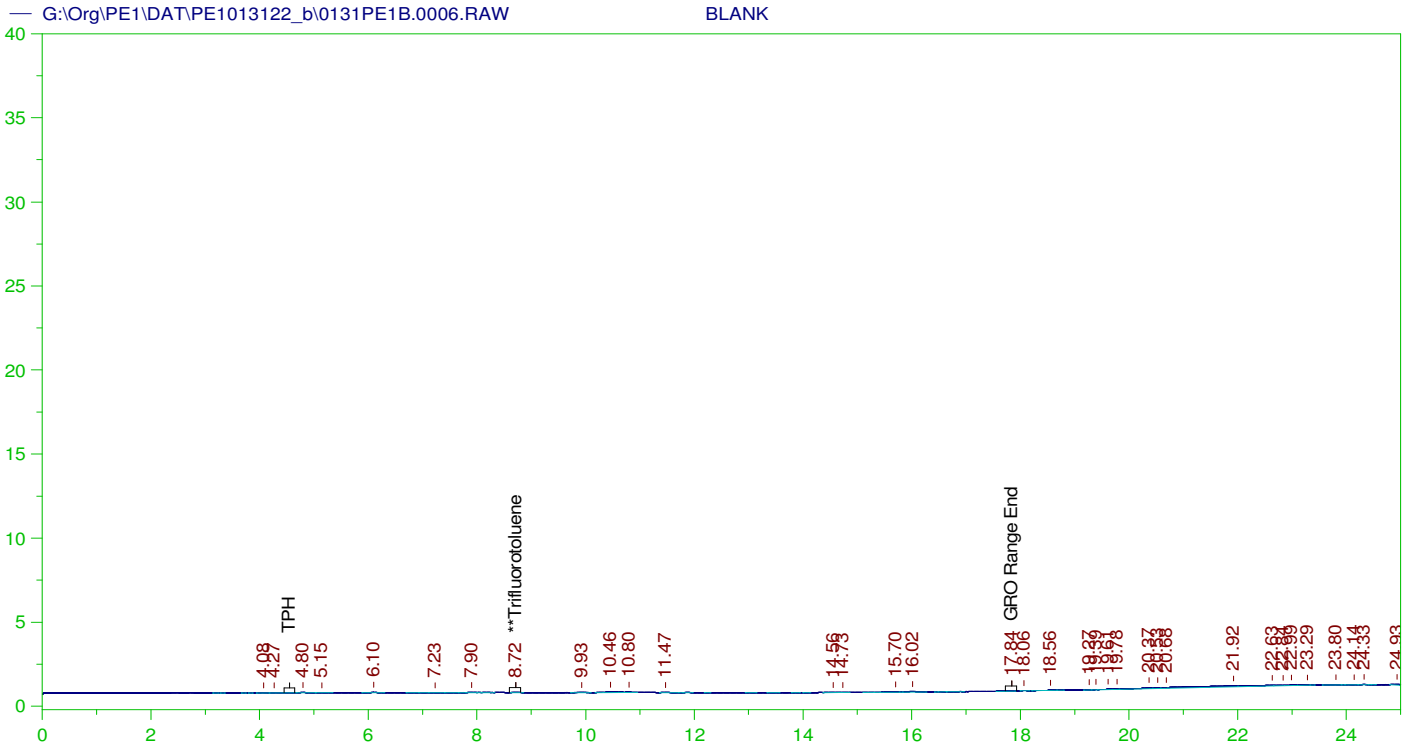
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\PE1\DAT\PE1013122_b\0131PE1B.0005.RAW
 Date & Time Acquired: 1/31/2022 12:44:25 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	8.706	125.	.171	.14

GRO Area:3593.88 GRO Amount: 3.799157
 TPH Area:20521.98 TPH Amount: 22.56672



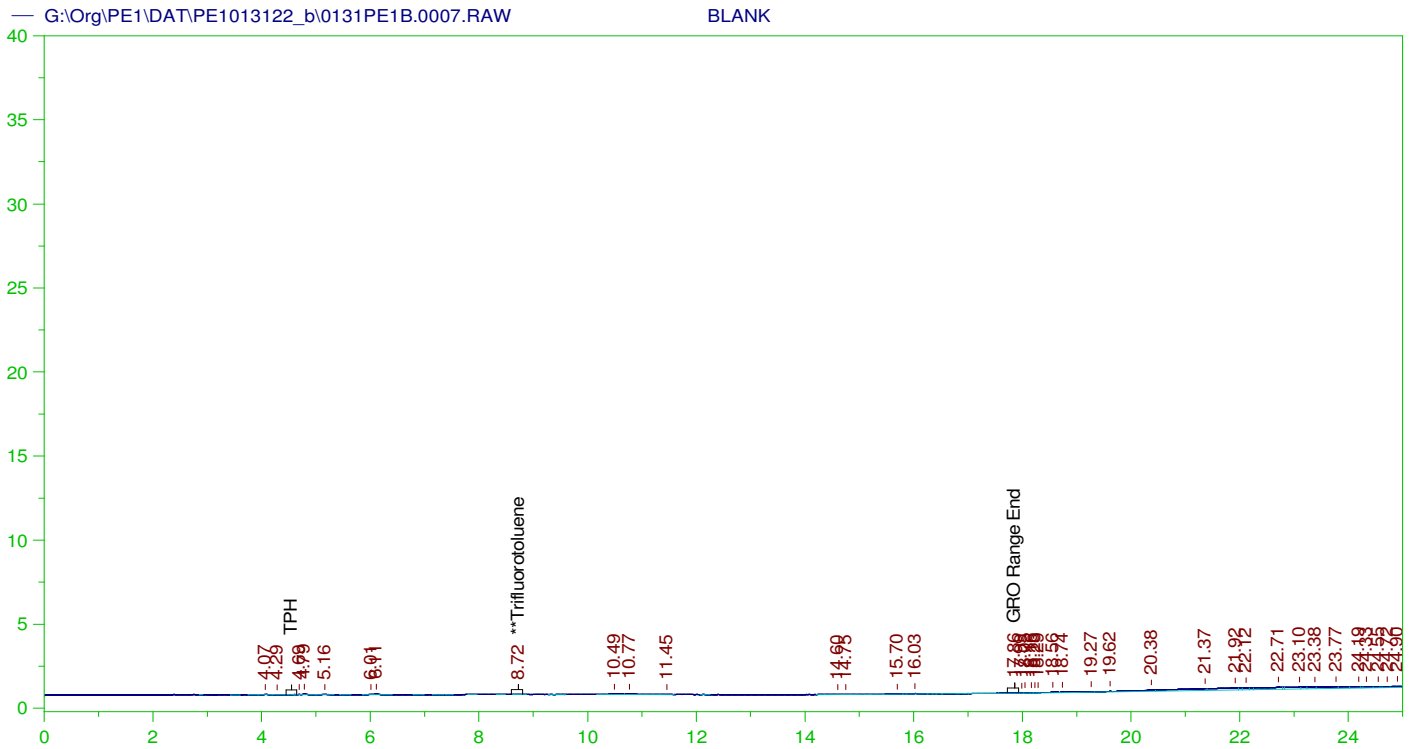
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\PE1\DAT\PE1013122_b\0131PE1B.0006.RAW
 Date & Time Acquired: 1/31/2022 1:18:47 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	8.718	125.	.082	.07

GRO Area:2833.688 GRO Amount: 2.995544
 TPH Area:12051.29 TPH Amount: 13.25203



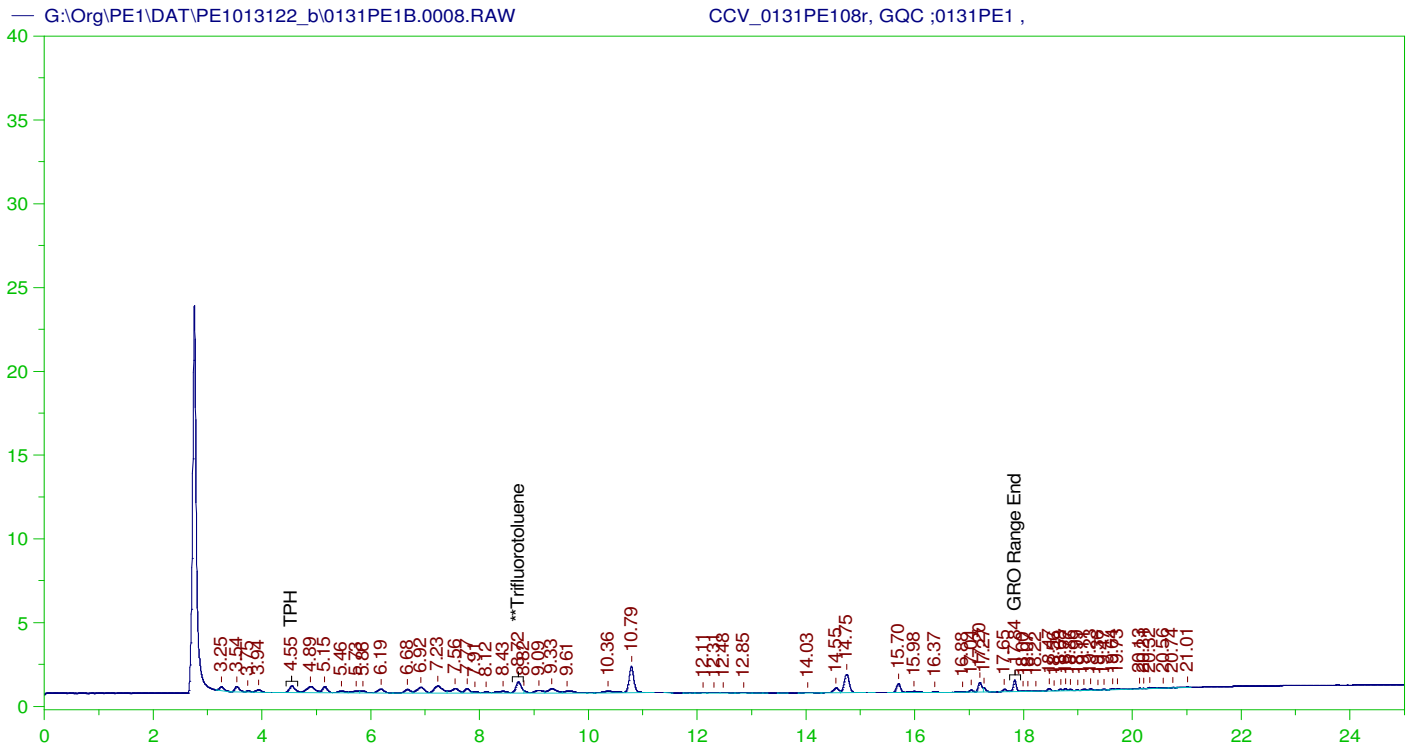
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\PE1\DAT\PE1013122_b\0131PE1B.0007.RAW
 Date & Time Acquired: 1/31/2022 1:53:03 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	8.724	125.	.086	.07

GRO Area:3332.435 GRO Amount: 3.522779
 TPH Area:31456.52 TPH Amount: 34.59073



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_0131PE108r, GQC ;0131PE1 ,
Raw File: G:\Org\PE1\DAT\PE1013122_b\0131PE1B.0008.RAW
Date & Time Acquired: 1/31/2022 2:27:25 PM
Method File: G:\Org\PE1\Methods\220131GROG1B%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for GRO: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

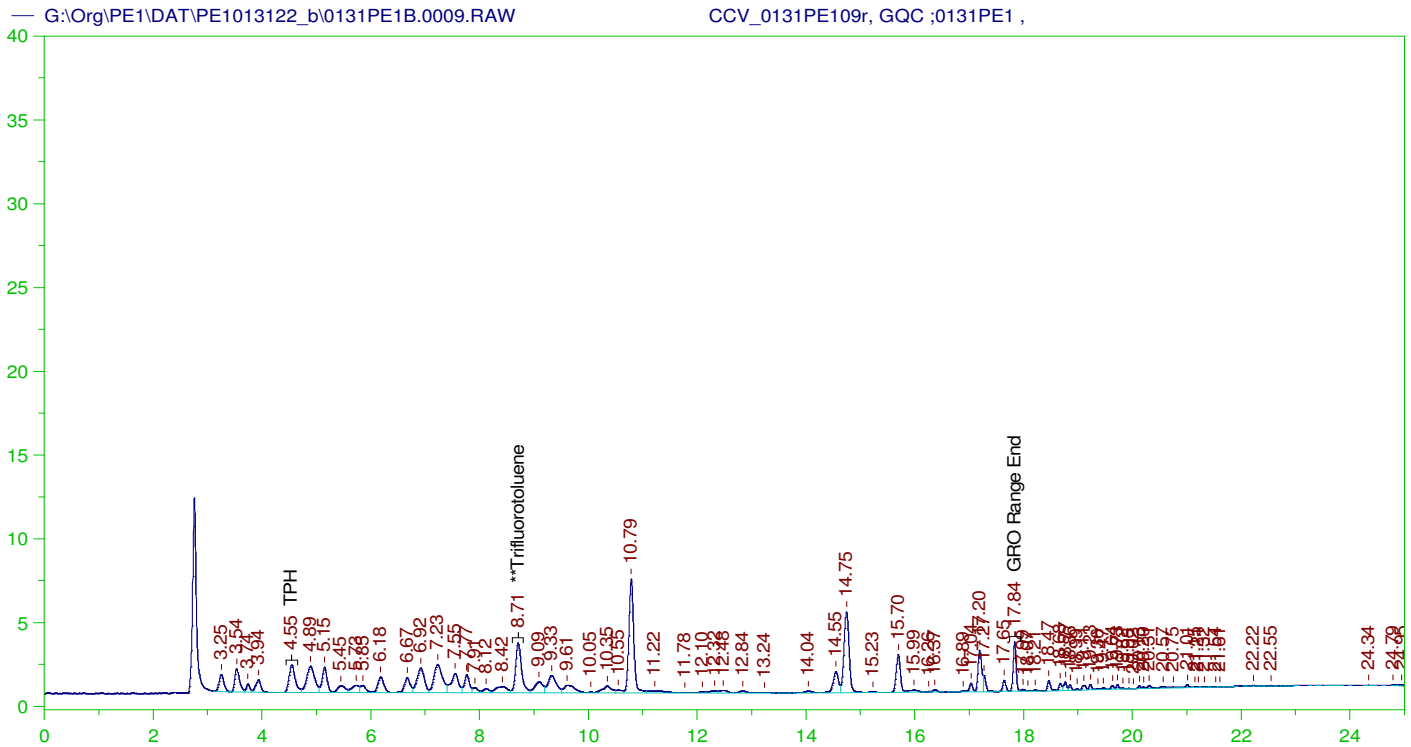
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.716	125.	5.404	4.32	-

GRO Area:67444.98 GRO Amount: 87.47077
TPH Area:76276.62 TPH Amount: 105.5741

CONTINUING CALIBRATION REPORT: G:\Org\PE1\DAT\PE1013122_b\0131PE1B.0008.RAW

COMPOUND	ACTUAL (NG)	MEASURED (NG)	%RECOVERY	LIMITS
GRO	840.	87.47	10.41	85-115
TPH	1000.	105.57	10.56	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	8.716	125.	5.404	4.32	85-115



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_0131PE109r, GQC ;0131PE1 ,
 Raw File: G:\Org\PE1\DAT\PE1013122_b\0131PE1B.0009.RAW
 Date & Time Acquired: 1/31/2022 3:01:45 PM
 Method File: G:\Org\PE1\Methods\220131GROG2B%.MET
 Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for GRO: 771.0573
 Mean RF for TPH: 722.4935
 Rt range for Gasoline Range Organics: 4.45 to 17.94

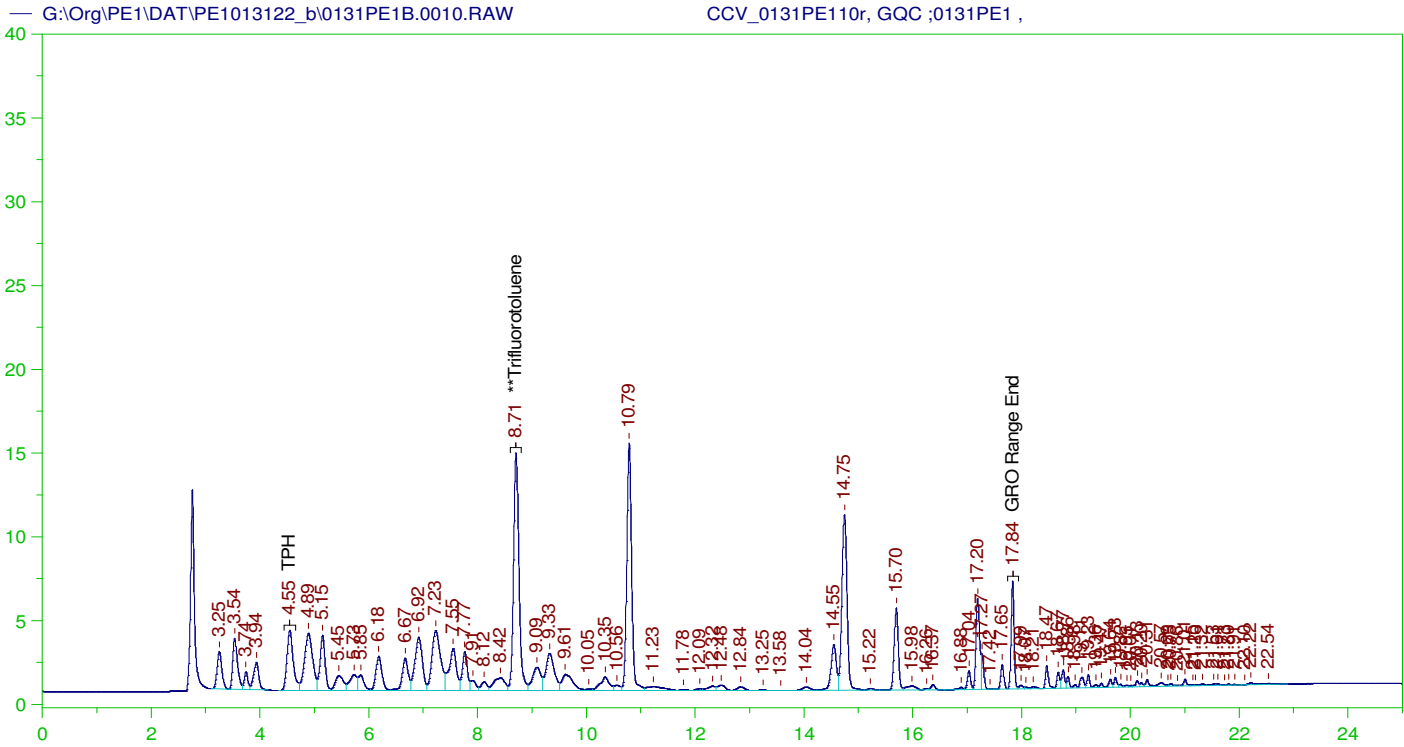
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.712	125.	26.994	21.6

GRO Area:294760.1 GRO Amount: 382.2804
 TPH Area:336370.8 TPH Amount: 465.5693

CONTINUING CALIBRATION REPORT: G:\Org\PE1\DAT\PE1013122_b\0131PE1B.0009.RAW

COMPOUND	ACTUAL (NG)	MEASURED (NG)	%RECOVERY	LIMITS
GRO	840.	382.28	45.51	85-115
TPH	1000.	465.57	46.56	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	8.712	125.	26.994	21.6	85-115



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_0131PE110r, GQC ;0131PE1 ,
Raw File: G:\Org\PE1\DAT\PE1013122_b\0131PE1B.0010.RAW
Date & Time Acquired: 1/31/2022 3:35:57 PM
Method File: G:\Org\PE1\Methods\220131GROG3B%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for GRO: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

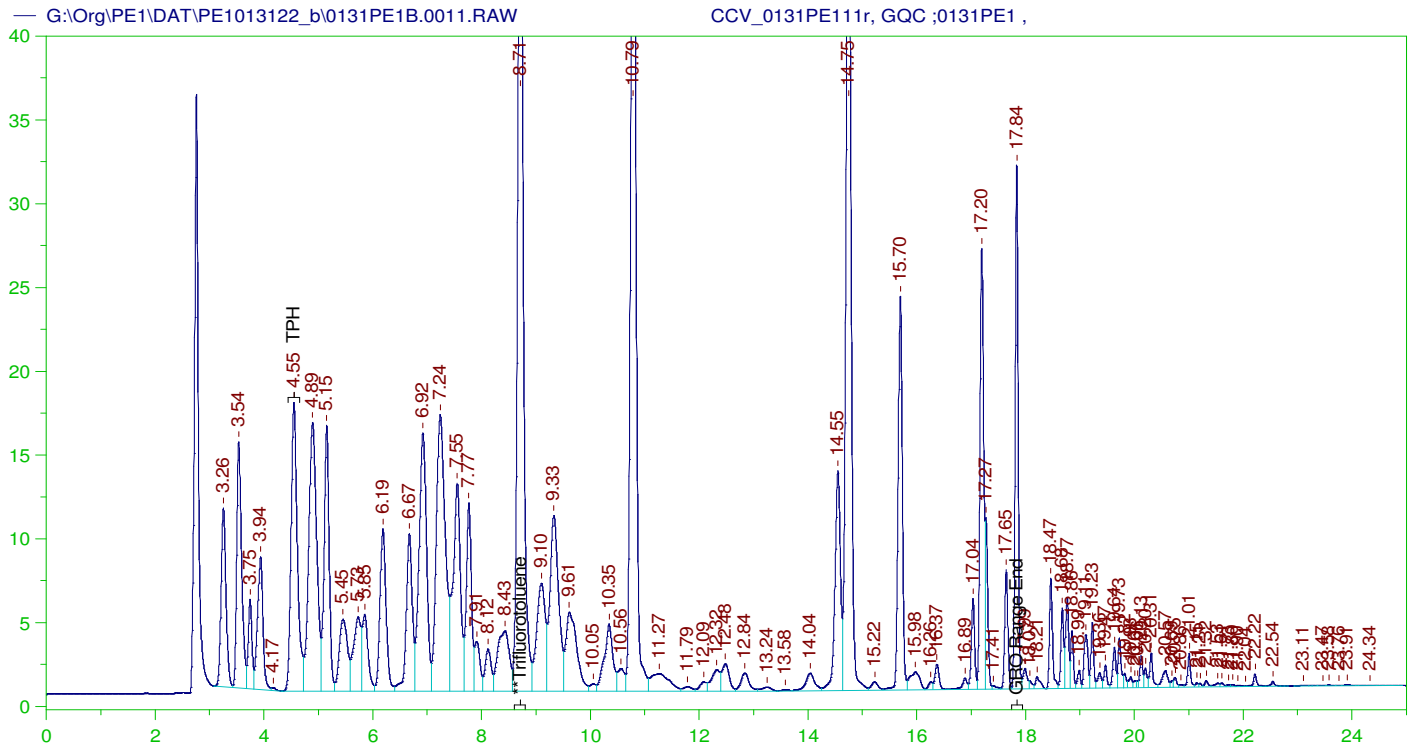
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.709	125.	117.758	94.21	-

GRO Area: 641008.4 GRO Amount: 831.3369
TPH Area: 736557 TPH Amount: 1019.465

CONTINUING CALIBRATION REPORT: G:\Org\PE1\DAT\PE1013122_b\0131PE1B.0010.RAW

COMPOUND	ACTUAL (NG)	MEASURED (NG)	%RECOVERY	LIMITS
GRO	840.	831.34	98.97	85-115
TPH	1000.	1019.47	101.95	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	8.709	125.	117.758	94.21	85-115



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_0131PE111r, GQC ;0131PE1 ,
 Raw File: G:\Org\PE1\DAT\PE1013122_b\0131PE1B.0011.RAW
 Date & Time Acquired: 1/31/2022 4:10:10 PM
 Method File: G:\Org\PE1\Methods\220131GROG4B%.MET
 Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for GRO: 771.0573
 Mean RF for TPH: 722.4935
 Rt range for Gasoline Range Organics: 4.45 to 17.94

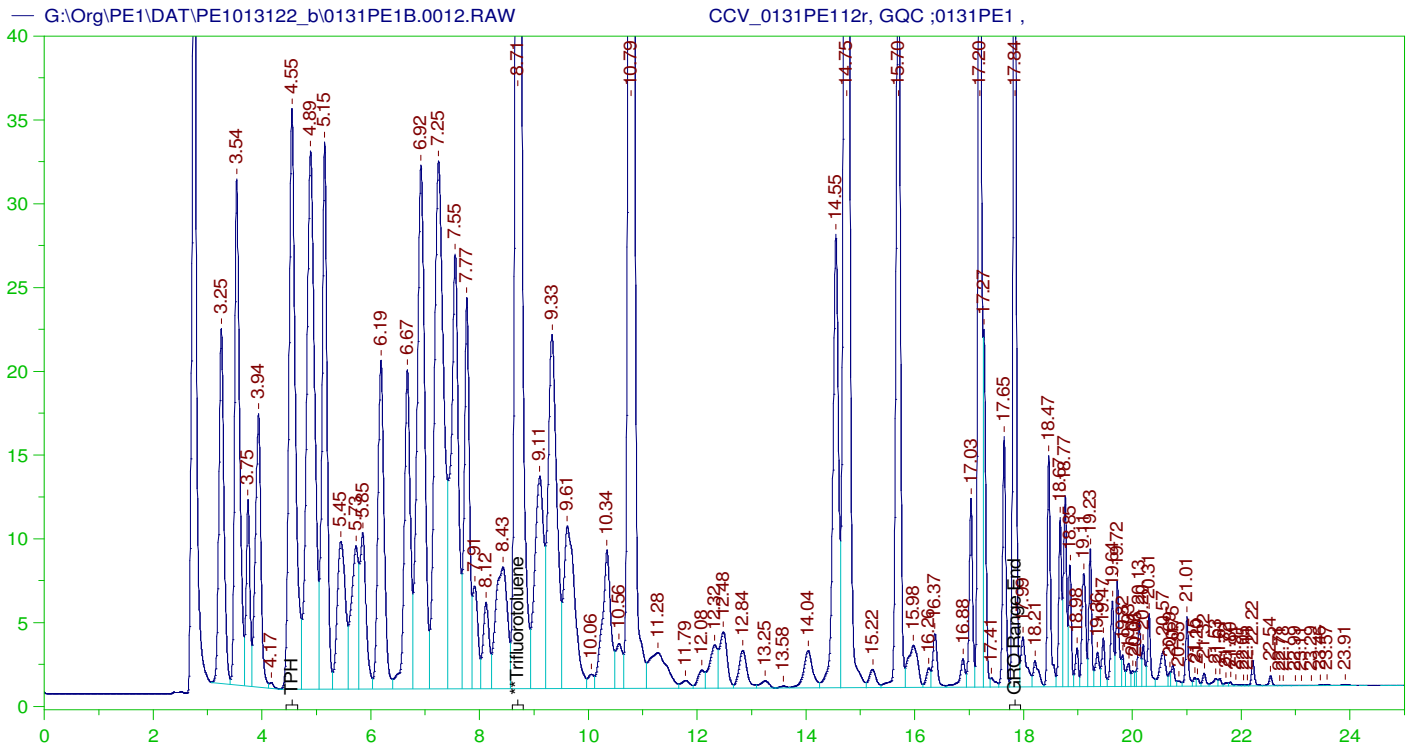
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.711	125.	472.361	377.89	-

GRO Area:3079658 GRO Amount: 3994.071
 TPH Area:3542030 TPH Amount: 4902.508

CONTINUING CALIBRATION REPORT: G:\Org\PE1\DAT\PE1013122_b\0131PE1B.0011.RAW

COMPOUND	ACTUAL (NG)	MEASURED (NG)	%RECOVERY	LIMITS
GRO	840.	3994.07	475.48	85-115
TPH	1000.	4902.51	490.25	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	8.711	125.	472.361	377.89	85-115



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_0131PE112r, GQC ;0131PE1 ,
Raw File: G:\Org\PE1\DAT\PE1013122_b\0131PE1B.0012.RAW
Date & Time Acquired: 1/31/2022 4:44:21 PM
Method File: G:\Org\PE1\Methods\220131GROG5B%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for GRO: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

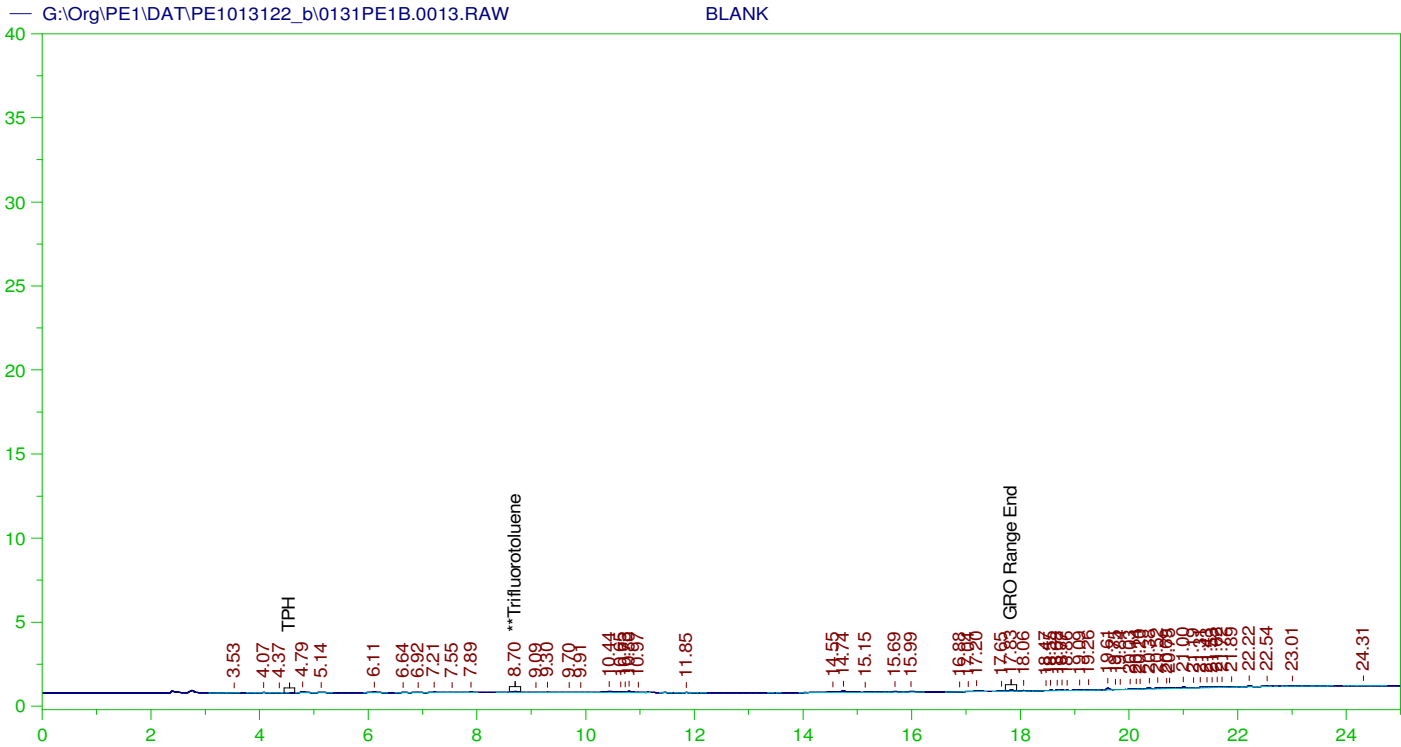
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.711	125.	952.671	762.14	-

GRO Area:6343092 GRO Amount: 8226.485
TPH Area:7319965 TPH Amount: 10131.53

CONTINUING CALIBRATION REPORT: G:\Org\PE1\DAT\PE1013122_b\0131PE1B.0012.RAW

COMPOUND	ACTUAL (NG)	MEASURED (NG)	%RECOVERY	LIMITS
GRO	840.	8226.49	979.34	85-115
TPH	1000.	10131.53	1013.15	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	8.711	125.	952.671	762.14	85-115



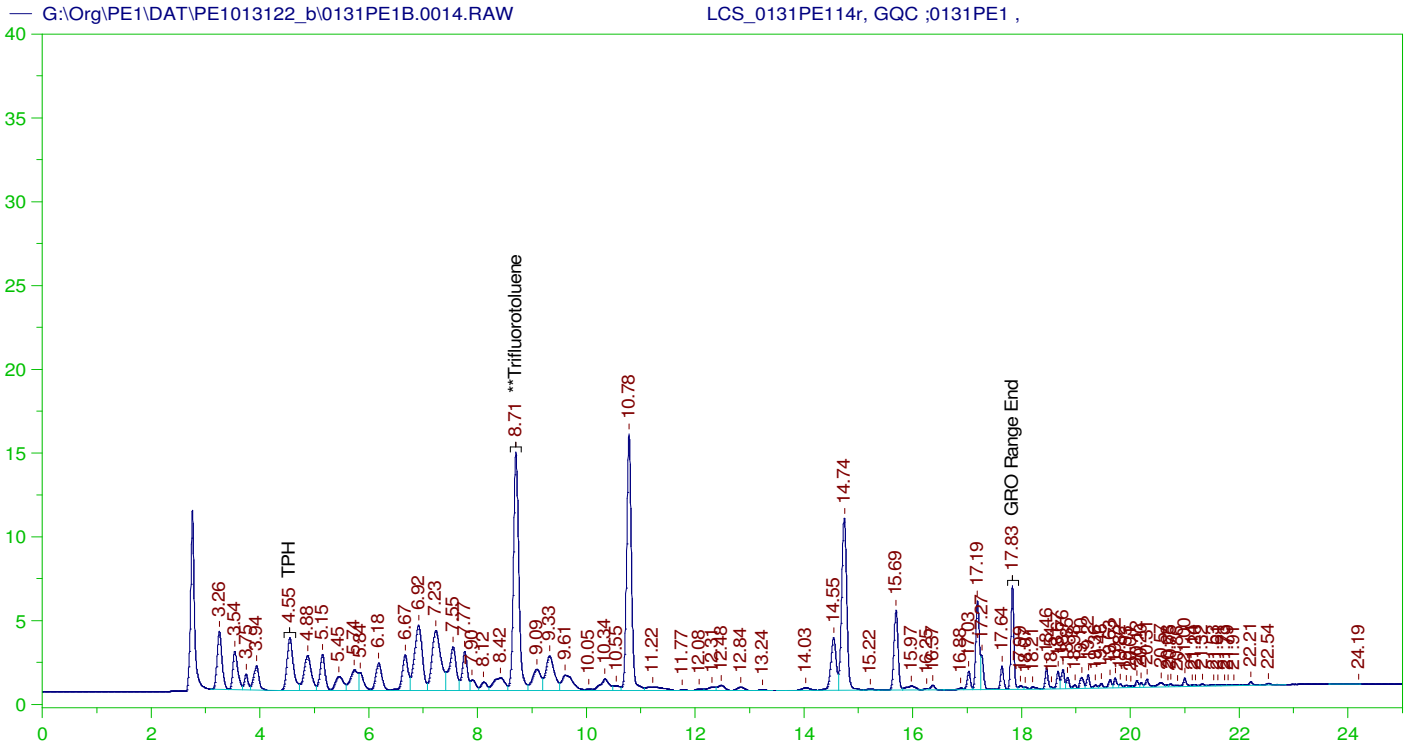
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\PE1\DAT\PE1013122_b\0131PE1B.0013.RAW
 Date & Time Acquired: 1/31/2022 5:18:32 PM
 Method File: G:\Org\PE1\Methods\211208GROB.MET
 Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
 Sample Weight: 1 Dilution: 1 S.A.: 1

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

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.704	125.	.394	.32

GRO Area: 7303.039 GRO Amount: 7.720177
 TPH Area: 13762.95 TPH Amount: 15.13424



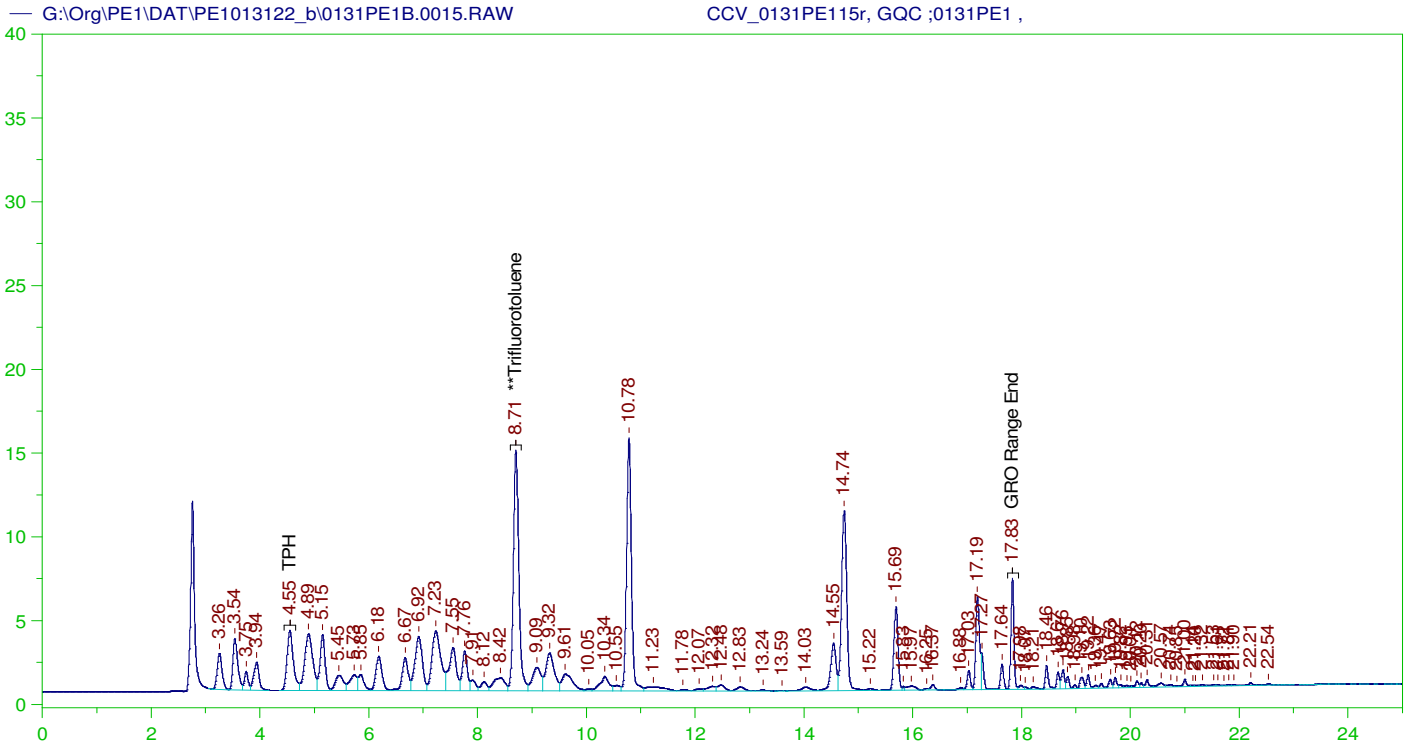
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: LCS_0131PE114r, GQC ;0131PE1 ,
 Raw File: G:\Org\PE1\DAT\PE1013122_b\0131PE1B.0014.RAW
 Date & Time Acquired: 1/31/2022 5:52:52 PM
 Method File: G:\Org\PE1\Methods\220131GROICVB%.MET
 Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
 Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for GRO: 771.0573
 Mean RF for TPH: 722.4935
 Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.707	25.	23.378	93.51

GRO Area: 621779.8 GRO Amount: 161.2798
 TPH Area: 721219.8 TPH Amount: 199.6474



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_0131PE115r, GQC ;0131PE1 ,
Raw File: G:\Org\PE1\DAT\PE1013122_b\0131PE1B.0015.RAW
Date & Time Acquired: 1/31/2022 6:27:09 PM
Method File: G:\Org\PE1\Methods\220131GROCCVB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for GRO: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

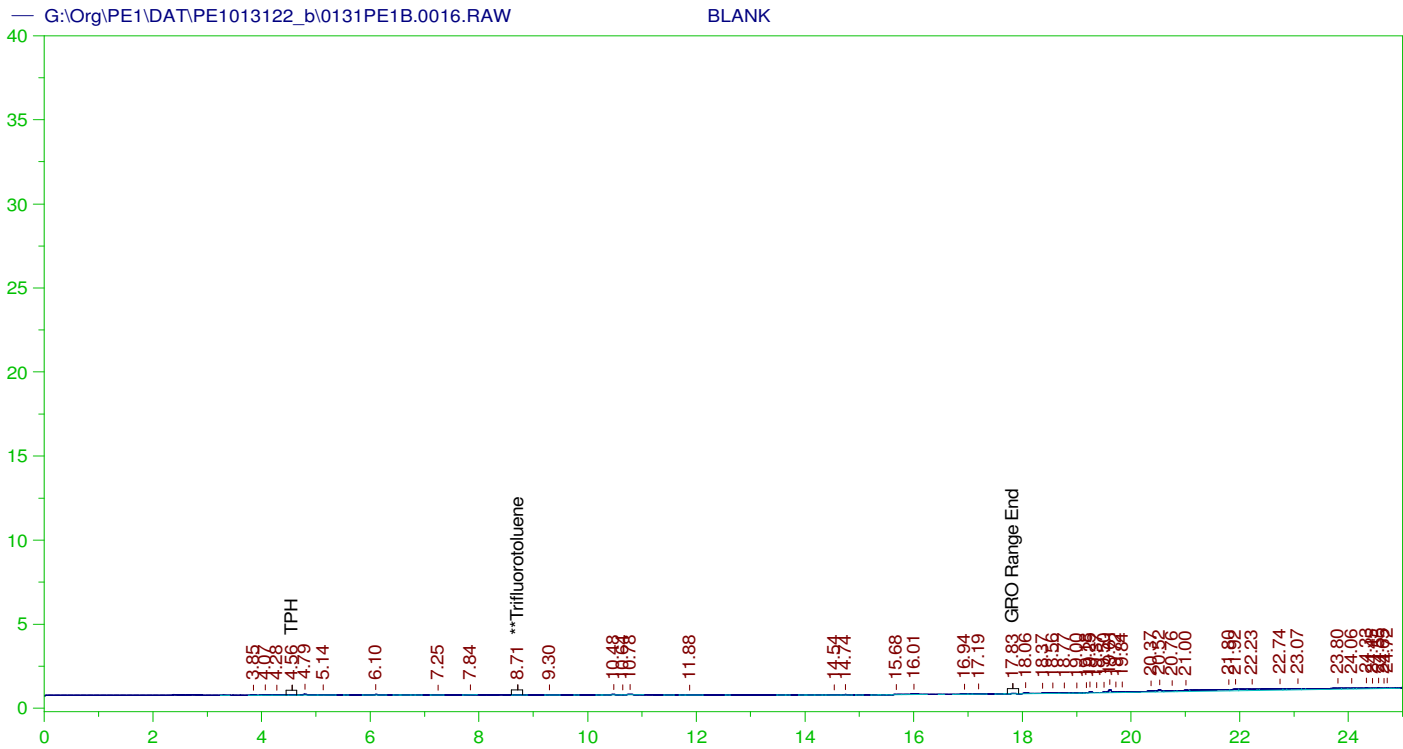
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.706	125.	119.536	95.63	-

GRO Area:654467.3 GRO Amount: 848.7921
TPH Area:751338.3 TPH Amount: 1039.924

CONTINUING CALIBRATION REPORT: G:\Org\PE1\DAT\PE1013122_b\0131PE1B.0015.RAW

COMPOUND	ACTUAL (NG)	MEASURED (NG)	%RECOVERY	LIMITS
GRO	840.	848.79	101.05	85-115
TPH	1000.	1039.92	103.99	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	8.706	125.	119.536	95.63	85-115



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\PE1\DAT\PE1013122_b\0131PE1B.0016.RAW
 Date & Time Acquired: 1/31/2022 7:01:31 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	8.713	125.	.167	.13

GRO Area:3679.193 GRO Amount: 3.889343
 TPH Area:22179.57 TPH Amount: 24.38946

Write Sequence	Insert Entries(Have the first cell for entries select)	Method	Weight	Dil Factor	Amt Inj.	IS	Cal ID	Manual Integrations
Data File	Sample Name							
G:\Org\PE1\DAT\PE1013122_b\0131PE1.04r	CCV_0131PE104r, GQC ;0131PE1 , 8015 Marker	G:\Org\PE1\Methods\22013	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1013122_b\0131PE1.05r	BLANK	G:\Org\PE1\Methods\22013	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1013122_b\0131PE1.06r	BLANK	G:\Org\PE1\Methods\22013	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1013122_b\0131PE1.07r	BLANK	G:\Org\PE1\Methods\22013	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1013122_b\0131PE1.08r	CCV_0131PE108r, GQC ;0131PE1 ,	G:\Org\PE1\Methods\22013	1	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\PE1\DAT\PE1013122_b\0131PE1.09r	CCV_0131PE109r, GQC ;0131PE1 ,	G:\Org\PE1\Methods\22013	1	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\PE1\DAT\PE1013122_b\0131PE1.10r	CCV_0131PE110r, GQC ;0131PE1 ,	G:\Org\PE1\Methods\22013	1	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\PE1\DAT\PE1013122_b\0131PE1.11r	CCV_0131PE111r, GQC ;0131PE1 ,	G:\Org\PE1\Methods\22013	1	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\PE1\DAT\PE1013122_b\0131PE1.12r	CCV_0131PE112r, GQC ;0131PE1 ,	G:\Org\PE1\Methods\22013	1	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\PE1\DAT\PE1013122_b\0131PE1.13r	BLANK	G:\Org\PE1\Methods\22013	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1013122_b\0131PE1.14r	LCS_0131PE114r, GQC ;0131PE1 ,	G:\Org\PE1\Methods\22013	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\PE1\DAT\PE1013122_b\0131PE1.15r	CCV_0131PE115r, GQC ;0131PE1 ,	G:\Org\PE1\Methods\22013	1	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\PE1\DAT\PE1013122_b\0131PE1.16r	BLANK	G:\Org\PE1\Methods\22013	1	1	1	1	0	None

Josie M Pickard
Chemist

Digitally signed by
Josie Pickard
Date: 2022.02.18 14:51:04 -07:00

Energy Laboratories Inc

ANALYTICAL RUN Summary

18-Feb-22

Run ID PE 1_220209A

Run Start Date: 2/9/2022
Analyst: Josie Pickard
Ical: 0
Column ID: Rtx-502.2
Comments: Evaluated to include numbers that are above the MDL and below the LOD per QA and client request

Std ID	Std Name	Std Amount	Std Units	Samp Amount	Samp Units	SampType	Expiration Date
GAS220104	Unleaded Gasoline Comp. Std.(2.0uL)	2	ul			CCV	6/7/2023
GQC211012	Gasoline Composite Mix (1.68uL)	1.68	ul			LCS, MS/M	4/2/2030
GROS200921	Gro Stock Standard Mt.Gro	0.84	ul			Marker	3/28/2029
SHP0292	VOA 1:1 HCl:H2O Solution	3	drops			CCV, LCS,	12/15/2025
TFT220209	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				
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15032268	CCV_0209PE10	HC-8015-GRO-	SAMP		2/9/2022 8:45:35	1	R374604		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	206.7306	206.7306		0	0	0	2.32	20	0	0%	0	0	0%	
Total Purgeable Hydrocarbons	A	ug/L	221.5457	221.5457		0	0	0	3.56	20	0	0%	0	0	0%	
Trifluorotoluene	S	ug/L	20.91711	20.91711		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				
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15032269	CCV_0209PE10	HC-8015-GRO-	CCV		2/9/2022 9:19:47	1	R374604		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	168.8843	168.8843		168	0	0	2.32	20	0	101%	80	120	0%	
Total Purgeable Hydrocarbons	A	ug/L	206.9255	206.9255		200	0	0	3.56	20	0	103%	80	120	0%	
Trifluorotoluene	S	ug/L	23.96412	23.96412		25	0	0	0.0743	1	0	96%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15032270	LCS_0209PE10	HC-8015-GRO-	LCS		2/9/2022 9:54:03	1	R374604		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	163.1664	163.1664		170	0	0	2.32	20	0	96%	78	122	0%	
Total Purgeable Hydrocarbons	A	ug/L	200.8238	200.8238		200	0	0	3.56	20	0	100%	70	130	0%	
Trifluorotoluene	S	ug/L	23.30238	23.30238		25	0	0	0.0743	1	0	93%	70	130	0%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15032271	MBLK_0209PE	HC-8015-GRO-	MBLK		2/9/2022 10:28:1	1	R374604		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	0	0		0	0	0	2.32	10	0	0%	0	0	0%	
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	10	0	0%	0	0	0%	
Trifluorotoluene	S	ug/L	21.33576	21.33576		25	0	0	0.0743	1	0	85%	70	130	0%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15032272	B22020415-034	HC-8015-GRO-	SAMP		2/9/2022 11:02:3	1	R374604		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	20.6524	20.6524		25	0	0	0.0743	1	0	83%	70	130	0%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15032273	B22020415-032	HC-8015-GRO-	SAMP		2/9/2022 11:36:5	1	R374604		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	3.439857	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	20.95544	20.95544		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					
15032274	B22020415-003	HC-8015-GRO-	SAMP		2/9/2022 12:45:4	1	R374604		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15032274	B22020415-003	HC-8015-GRO-	SAMP		2/9/2022 12:45:4	1	R374604		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	2.4584	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	20.94843	20.94843		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					
15032275	B22020415-008	HC-8015-GRO-	SAMP		2/9/2022 1:20:02	1	R374604		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	4.266631	4.266631		0	0	0	2.32	20	0	0%	0	0	0%	J
Total Purgeable Hydrocarbons	A	ug/L	9.084947	9.084947		0	0	0	3.56	20	0	0%	0	0	0%	J
Trifluorotoluene	S	ug/L	21.2106	21.2106		25	0	0	0.0743	1	0	85%	70	130	0%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15032276	B22020415-013	HC-8015-GRO-	SAMP		2/9/2022 1:54:17	1	R374604		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	2.58376	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	21.57898	21.57898		25	0	0	0.0743	1	0	86%	70	130	0%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15032277	B22020415-019	HC-8015-GRO-	SAMP		2/9/2022 2:28:35	1	R374604		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	20.93662	20.93662		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					
15032278	B22020415-024	HC-8015-GRO-	SAMP		2/9/2022 3:37:09	1	R374604		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15032278	B22020415-024	HC-8015-GRO-	SAMP		2/9/2022 3:37:09	1	R374604		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	2.034566	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	21.35851	21.35851		25	0	0	0.0743	1	0	85%	70	130	0%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15032279	B22020415-029	HC-8015-GRO-	SAMP		2/9/2022 4:45:46	1	R374604		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	2.127346	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	20.95484	20.95484		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					
15032280	B22020415-032	HC-8015-GRO-	MS		2/9/2022 7:03:15	1	R374604		2E+07	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	160.8753	160.8753		170	0	0	2.32	20	0	95%	78	122	0%	
Total Purgeable Hydrocarbons	A	ug/L	198.8712	198.8712		200	0	0	3.56	20	0	99%	70	130	0%	
Trifluorotoluene	S	ug/L	22.36907	22.36907		25	0	0	0.0743	1	0	89%	70	130	0%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15032281	B22020415-032	HC-8015-GRO-	MSD		2/9/2022 7:37:31	1	R374604		2E+07	2E+07						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	164.4094	164.4094		170	0	160.8753	2.32	20	0	97%	78	122	2%	
Total Purgeable Hydrocarbons	A	ug/L	203.9688	203.9688		200	0	198.8712	3.56	20	0	102%	70	130	3%	
Trifluorotoluene	S	ug/L	23.16402	23.16402		25	0	0	0.0743	1	0	93%	70	130	0%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15032282	CCV_0209PE12	HC-8015-GRO-	SAMP		2/9/2022 8:11:45	1	R374604		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

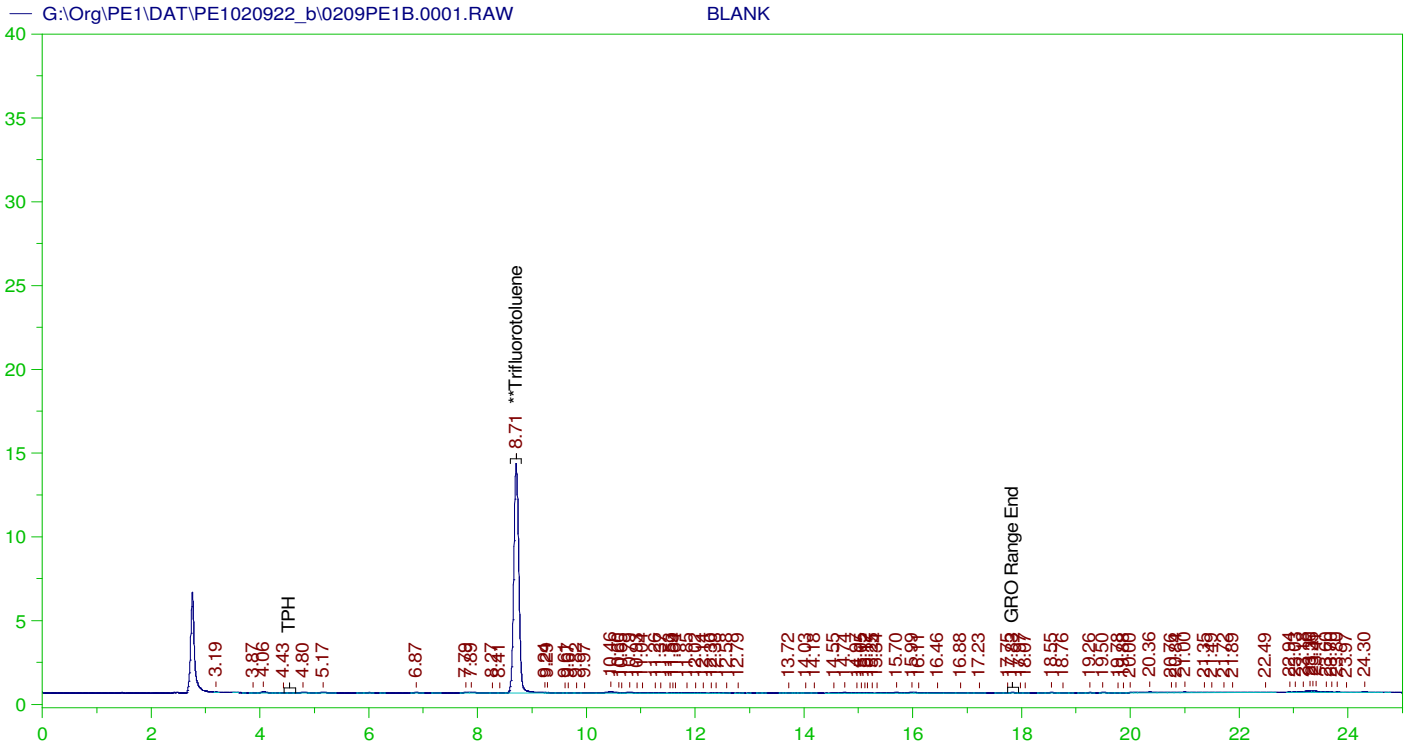
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15032282	CCV_0209PE12	HC-8015-GRO-	SAMP		2/9/2022 8:11:45	1	R374604			0	0					
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	202.5457	202.5457		0	0	0	2.32	20	0	0%	0	0	0%	
Total Purgeable Hydrocarbons	A	ug/L	216.7716	216.7716		0	0	0	3.56	20	0	0%	0	0	0%	
Trifluorotoluene	S	ug/L	21.04533	21.04533		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					
15032283	CCV_0209PE12	HC-8015-GRO-	CCV		2/9/2022 8:45:57	1	R374604			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	165.4042	165.4042		168	0	0	2.32	20	0	98%	80	120	0%	
Total Purgeable Hydrocarbons	A	ug/L	202.8466	202.8466		200	0	0	3.56	20	0	101%	80	120	0%	
Trifluorotoluene	S	ug/L	22.48408	22.48408		25	0	0	0.0743	1	0	90%	80	120	0%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15032284	LCS_0209PE12	HC-8015-GRO-	LCS		2/9/2022 9:20:11	1	R374604			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	159.3032	159.3032		170	0	0	2.32	20	0	94%	78	122	0%	
Total Purgeable Hydrocarbons	A	ug/L	195.9439	195.9439		200	0	0	3.56	20	0	98%	70	130	0%	
Trifluorotoluene	S	ug/L	22.60929	22.60929		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					
15032285	MBLK_0209PE	HC-8015-GRO-	MBLK		2/9/2022 9:54:25	1	R374604			0	0					
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	0	0		0	0	0	2.32	10	0	0%	0	0	0%	
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	10	0	0%	0	0	0%	
Trifluorotoluene	S	ug/L	21.00976	21.00976		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					
15032286	B22020415-001	HC-8015-GRO-	SAMP		2/9/2022 10:28:4	1	R374604			0	0					
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15032286	B22020415-001	HC-8015-GRO-	SAMP		2/9/2022 10:28:4	1	R374604		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	3.740707	3.740707		0	0	0	2.32	20	0	0%	0	0	0%	J
Total Purgeable Hydrocarbons	A	ug/L	63.09756	63.09756		0	0	0	3.56	20	0	0%	0	0	0%	
Trifluorotoluene	S	ug/L	19.8889	19.8889		25	0	0	0.0743	1	0	80%	70	130	0%	
15032287	B22020415-006	HC-8015-GRO-	SAMP		2/9/2022 11:37:2	1	R374604		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	2.063137	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	30.79859	30.79859		0	0	0	3.56	20	0	0%	0	0	0%	
Trifluorotoluene	S	ug/L	20.45523	20.45523		25	0	0	0.0743	1	0	82%	70	130	0%	
15032288	B22020415-011	HC-8015-GRO-	SAMP		2/10/2022 12:45:	1	R374604		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	2.061043	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	20.64886	20.64886		25	0	0	0.0743	1	0	83%	70	130	0%	
15032289	B22020415-016	HC-8015-GRO-	SAMP		2/10/2022 1:54:2	1	R374604		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	2.214696	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	20.34177	20.34177		25	0	0	0.0743	1	0	81%	70	130	0%	
15032290	B22020415-017	HC-8015-GRO-	SAMP		2/10/2022 3:02:5	1	R374604		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15032290	B22020415-017	HC-8015-GRO-	SAMP		2/10/2022 3:02:5	1	R374604		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	20.71207	20.71207		25	0	0	0.0743	1	0	83%	70	130	0%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15032291	B22020415-022	HC-8015-GRO-	SAMP		2/10/2022 4:11:2	1	R374604		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	20.39984	20.39984		25	0	0	0.0743	1	0	82%	70	130	0%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15032292	B22020415-027	HC-8015-GRO-	SAMP		2/10/2022 5:19:5	1	R374604		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	10.75432	10.75432		0	0	0	3.56	20	0	0%	0	0	0%	J
Trifluorotoluene	S	ug/L	20.06459	20.06459		25	0	0	0.0743	1	0	80%	70	130	0%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15032293	CCV_0209PE14	HC-8015-GRO-	SAMP		2/10/2022 6:28:3	1	R374604		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	192.9331	192.9331		0	0	0	2.32	20	0	0%	0	0	0%	
Total Purgeable Hydrocarbons	A	ug/L	206.3678	206.3678		0	0	0	3.56	20	0	0%	0	0	0%	
Trifluorotoluene	S	ug/L	19.57404	19.57404		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					
15032294	CCV_0209PE14	HC-8015-GRO-	CCV		2/10/2022 7:02:5	1	R374604		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15032294	CCV_0209PE14	HC-8015-GRO-	CCV		2/10/2022 7:02:5	1	R374604		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	161.2656	161.2656		168	0	0	2.32	20	0	96%	80	120	0%	
Total Purgeable Hydrocarbons	A	ug/L	197.7022	197.7022		200	0	0	3.56	20	0	99%	80	120	0%	
Trifluorotoluene	S	ug/L	23.11282	23.11282		25	0	0	0.0743	1	0	92%	80	120	0%	

Data File	Sample Name	Method	Weight	Dil Factor	Amt Inj.	IS	Cal ID
G:\Org\PE1\DAT\PE1020922_b\0209PE1.01r	BLANK	G:\Org\PE1\Methods\22020	1	1	1	1	0
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G:\Org\PE1\DAT\PE1020922_b\0209PE1.03r	CCV_0209PE103r, GQC ;0209PE1 ,	G:\Org\PE1\Methods\22020	1	1	1	1	0
G:\Org\PE1\DAT\PE1020922_b\0209PE1.04r	CCV_0209PE104r, GQC ;0209PE1 ,	G:\Org\PE1\Methods\22020	1	1	1	1	0
G:\Org\PE1\DAT\PE1020922_b\0209PE1.05r	LCS_0209PE105r, GQC ;0209PE1 ,	G:\Org\PE1\Methods\22020	5	1	1	1	0
G:\Org\PE1\DAT\PE1020922_b\0209PE1.06r	MBLK_0209PE106r, QC ;0209PE1 ,	G:\Org\PE1\Methods\22020	5	1	1	1	0
G:\Org\PE1\DAT\PE1020922_b\0209PE1.07r	B22020415-034A ;0209PE1 , \$HC-8015-GRO-W,	G:\Org\PE1\Methods\22020	5	1	1	1	0
G:\Org\PE1\DAT\PE1020922_b\0209PE1.08r	B22020415-032G ;0209PE1 , \$HC-8015-GRO-W,	G:\Org\PE1\Methods\22020	5	1	1	1	0
G:\Org\PE1\DAT\PE1020922_b\0209PE1.09r	BLANK	G:\Org\PE1\Methods\22020	1	1	1	1	0
G:\Org\PE1\DAT\PE1020922_b\0209PE1.10r	B22020415-003A ;0209PE1 , \$HC-8015-GRO-W,	G:\Org\PE1\Methods\22020	5	1	1	1	0
G:\Org\PE1\DAT\PE1020922_b\0209PE1.11r	B22020415-008A ;0209PE1 , \$HC-8015-GRO-W,	G:\Org\PE1\Methods\22020	5	1	1	1	0
G:\Org\PE1\DAT\PE1020922_b\0209PE1.12r	B22020415-013A ;0209PE1 , \$HC-8015-GRO-W,	G:\Org\PE1\Methods\22020	5	1	1	1	0
G:\Org\PE1\DAT\PE1020922_b\0209PE1.13r	B22020415-019A ;0209PE1 , \$HC-8015-GRO-W,	G:\Org\PE1\Methods\22020	5	1	1	1	0
G:\Org\PE1\DAT\PE1020922_b\0209PE1.14r	BLANK	G:\Org\PE1\Methods\22020	1	1	1	1	0
G:\Org\PE1\DAT\PE1020922_b\0209PE1.15r	B22020415-024A ;0209PE1 , \$HC-8015-GRO-W,	G:\Org\PE1\Methods\22020	5	1	1	1	0
G:\Org\PE1\DAT\PE1020922_b\0209PE1.16r	BLANK	G:\Org\PE1\Methods\22020	1	1	1	1	0
G:\Org\PE1\DAT\PE1020922_b\0209PE1.17r	B22020415-029A ;0209PE1 , \$HC-8015-GRO-W,	G:\Org\PE1\Methods\22020	5	1	1	1	0
G:\Org\PE1\DAT\PE1020922_b\0209PE1.18r	BLANK	G:\Org\PE1\Methods\22020	1	1	1	1	0
G:\Org\PE1\DAT\PE1020922_b\0209PE1.19r	BLANK	G:\Org\PE1\Methods\22020	1	1	1	1	0
G:\Org\PE1\DAT\PE1020922_b\0209PE1.20r	BLANK	G:\Org\PE1\Methods\22020	1	1	1	1	0
G:\Org\PE1\DAT\PE1020922_b\0209PE1.21r	B22020415-032GMS, GQC ;0209PE1 , \$HC-8015-GRO-W,	G:\Org\PE1\Methods\22020	5	1	1	1	0
G:\Org\PE1\DAT\PE1020922_b\0209PE1.22r	B22020415-032GMSD, GQC ;0209PE1 , \$HC-8015-GRO-W,	G:\Org\PE1\Methods\22020	5	1	1	1	0
G:\Org\PE1\DAT\PE1020922_b\0209PE1.23r	CCV_0209PE123r, GQC ;0209PE1 ,	G:\Org\PE1\Methods\22020	1	1	1	1	0
G:\Org\PE1\DAT\PE1020922_b\0209PE1.24r	CCV_0209PE124r, GQC ;0209PE1 ,	G:\Org\PE1\Methods\22020	1	1	1	1	0
G:\Org\PE1\DAT\PE1020922_b\0209PE1.25r	LCS_0209PE125r, GQC ;0209PE1 ,	G:\Org\PE1\Methods\22020	5	1	1	1	0
G:\Org\PE1\DAT\PE1020922_b\0209PE1.26r	MBLK_0209PE126r, QC ;0209PE1 ,	G:\Org\PE1\Methods\22020	5	1	1	1	0
G:\Org\PE1\DAT\PE1020922_b\0209PE1.27r	B22020415-001G ;0209PE1 , \$HC-8015-GRO-W,	G:\Org\PE1\Methods\22020	5	1	1	1	0
G:\Org\PE1\DAT\PE1020922_b\0209PE1.28r	BLANK	G:\Org\PE1\Methods\22020	1	1	1	1	0
G:\Org\PE1\DAT\PE1020922_b\0209PE1.29r	B22020415-006G ;0209PE1 , \$HC-8015-GRO-W,	G:\Org\PE1\Methods\22020	5	1	1	1	0
G:\Org\PE1\DAT\PE1020922_b\0209PE1.30r	BLANK	G:\Org\PE1\Methods\22020	1	1	1	1	0
G:\Org\PE1\DAT\PE1020922_b\0209PE1.31r	B22020415-011G ;0209PE1 , \$HC-8015-GRO-W,	G:\Org\PE1\Methods\22020	5	1	1	1	0
G:\Org\PE1\DAT\PE1020922_b\0209PE1.32r	BLANK	G:\Org\PE1\Methods\22020	1	1	1	1	0
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G:\Org\PE1\DAT\PE1020922_b\0209PE1.34r	BLANK	G:\Org\PE1\Methods\22020	1	1	1	1	0
G:\Org\PE1\DAT\PE1020922_b\0209PE1.35r	B22020415-017G ;0209PE1 , \$HC-8015-GRO-W,	G:\Org\PE1\Methods\22020	5	1	1	1	0
G:\Org\PE1\DAT\PE1020922_b\0209PE1.36r	BLANK	G:\Org\PE1\Methods\22020	1	1	1	1	0
G:\Org\PE1\DAT\PE1020922_b\0209PE1.37r	B22020415-022G ;0209PE1 , \$HC-8015-GRO-W,	G:\Org\PE1\Methods\22020	5	1	1	1	0
G:\Org\PE1\DAT\PE1020922_b\0209PE1.38r	BLANK	G:\Org\PE1\Methods\22020	1	1	1	1	0
G:\Org\PE1\DAT\PE1020922_b\0209PE1.39r	B22020415-027G ;0209PE1 , \$HC-8015-GRO-W,	G:\Org\PE1\Methods\22020	5	1	1	1	0
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G:\Org\PE1\DAT\PE1020922_b\0209PE1.41r	CCV_0209PE141r, GQC ;0209PE1 ,	G:\Org\PE1\Methods\22020	1	1	1	1	0
G:\Org\PE1\DAT\PE1020922_b\0209PE1.42r	CCV_0209PE142r, GQC ;0209PE1 ,	G:\Org\PE1\Methods\22020	1	1	1	1	0
G:\Org\PE1\DAT\PE1020922_b\0209PE1.43r	BLANK	G:\Org\PE1\Methods\22020	1	1	1	1	0



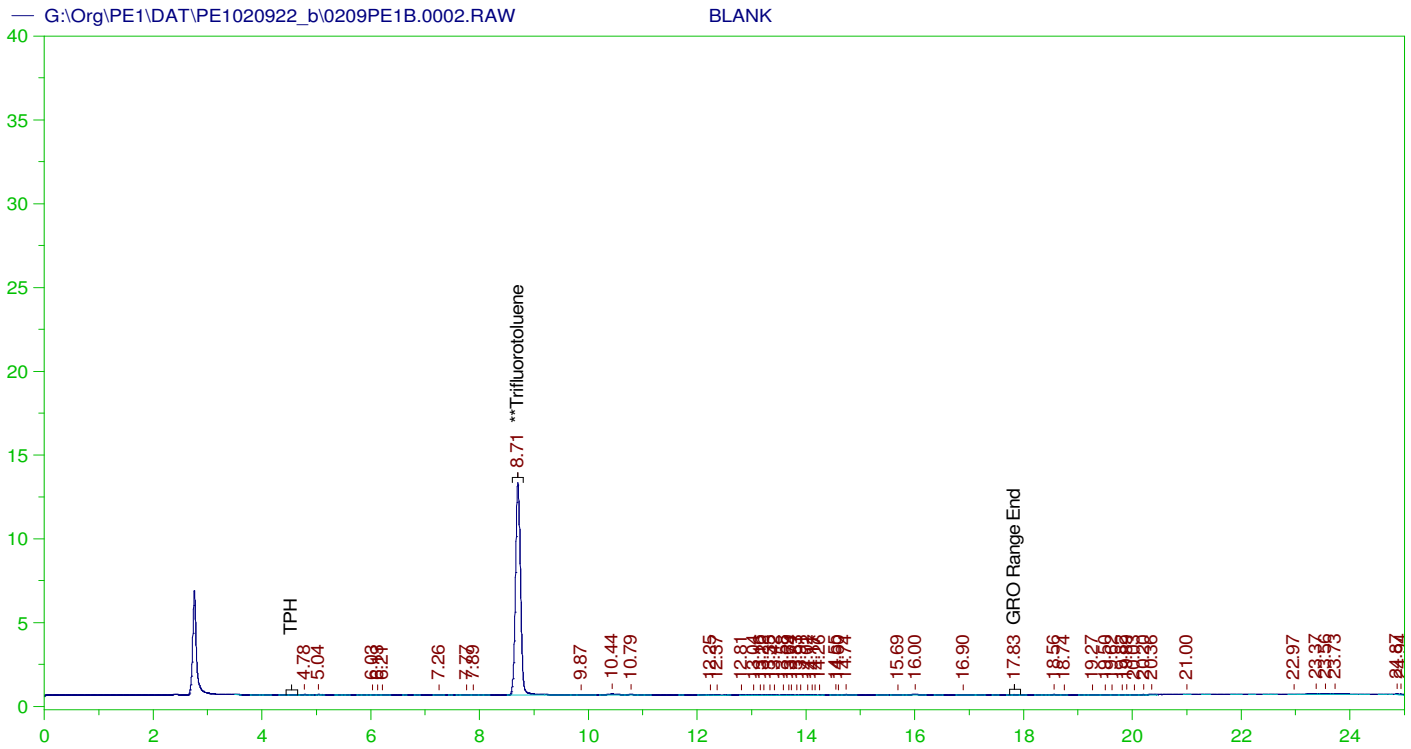
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0001.RAW
 Date & Time Acquired: 2/9/2022 7:37:09 AM
 Method File: G:\Org\PE1\Methods\220203GRO_DoDB%.MET
 Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
 Mean RF for TPH: 722.4935
 Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.712	125.	105.593	84.47

C6 to C10 Area:10699.68 C6 to C10 Amount: 13.87664
 TPH Area:16253.07 TPH Amount: 22.4958



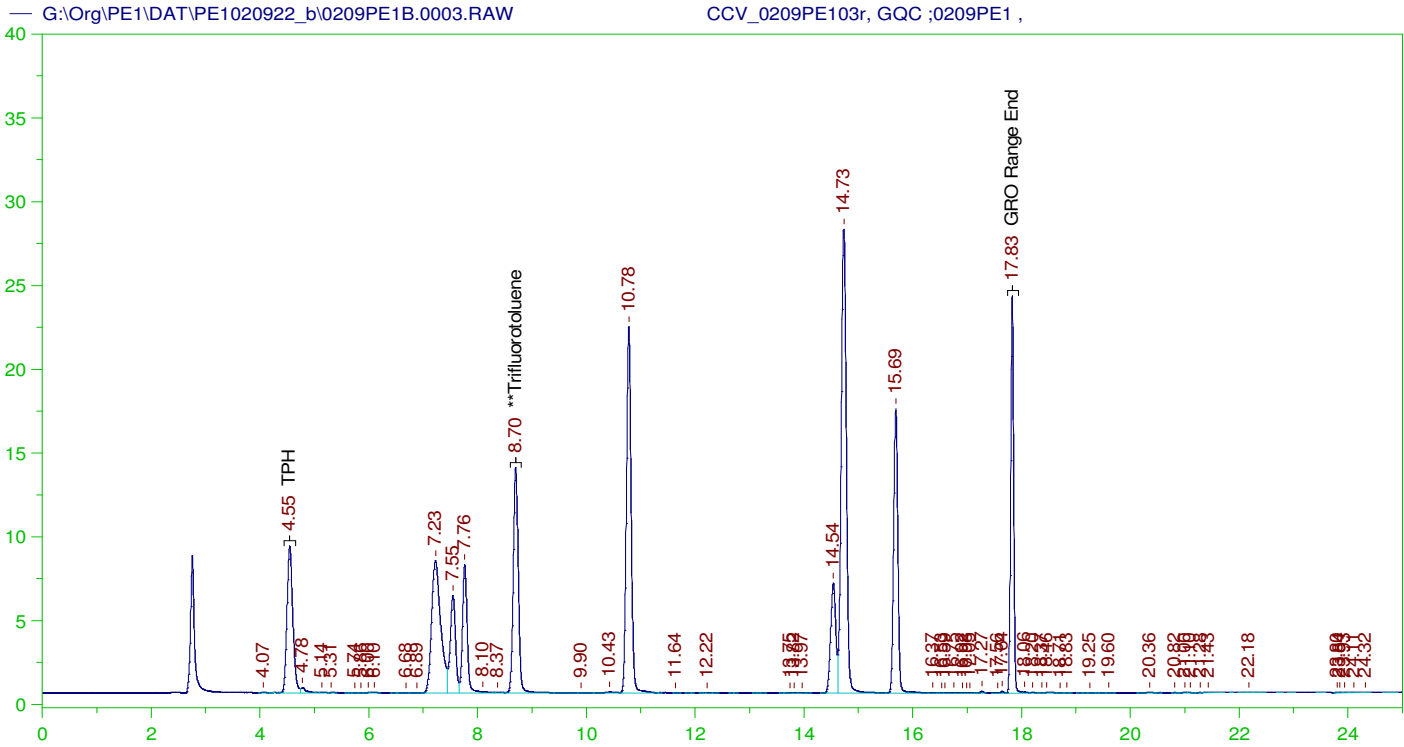
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0002.RAW
 Date & Time Acquired: 2/9/2022 8:11:19 AM
 Method File: G:\Org\PE1\Methods\220203GRO_DoDB%.MET
 Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
 Mean RF for TPH: 722.4935
 Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.706	125.	97.659	78.13

C6 to C10 Area:5422.361 C6 to C10 Amount: 7.032371
 TPH Area:9039.005 TPH Amount: 12.51085



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_0209PE103r, GQC ;0209PE1 ,
Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0003.RAW
Date & Time Acquired: 2/9/2022 8:45:35 AM
Method File: G:\Org\PE1\Methods\220203GRO_DoDB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

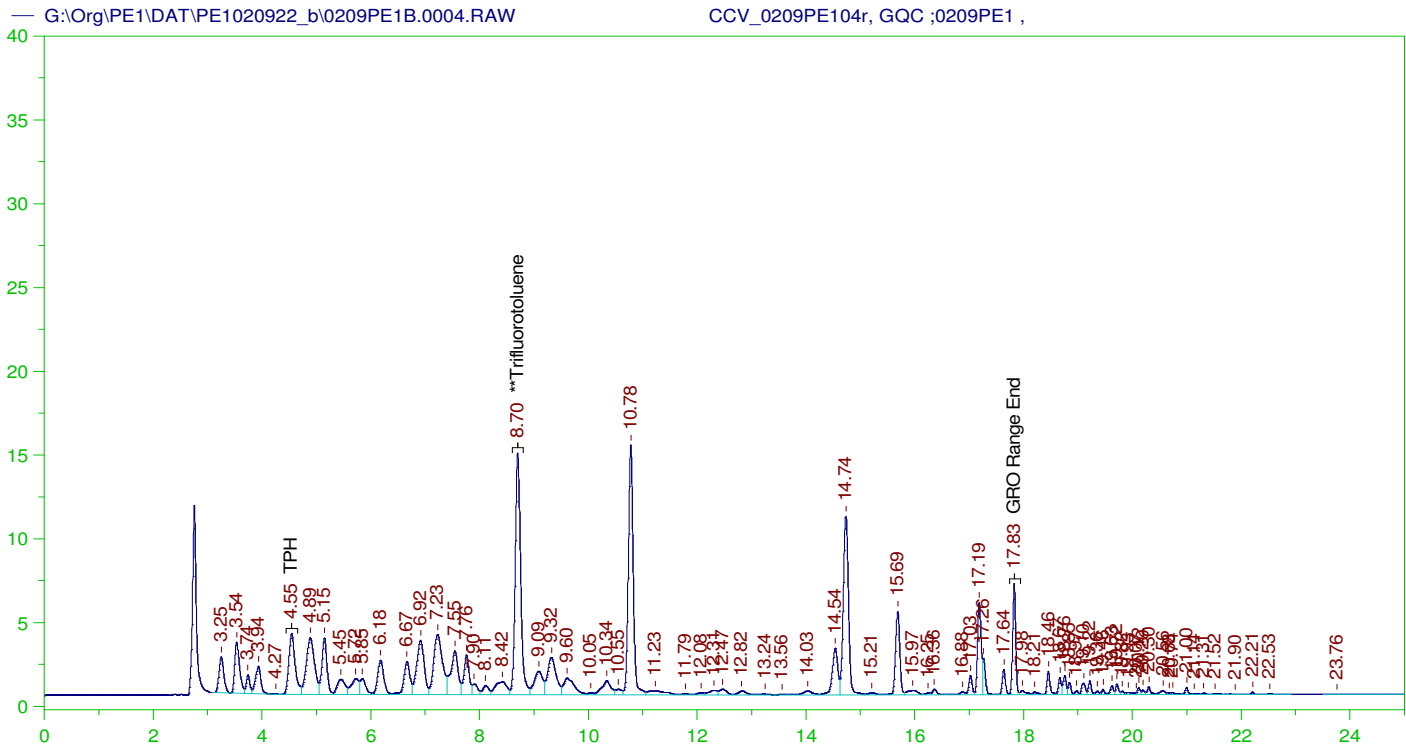
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.702	125.	104.586	83.67

C6 to C10 Area: 797005.6 C6 to C10 Amount: 1033.653
TPH Area: 800326.8 TPH Amount: 1107.729

CONTINUING CALIBRATION REPORT: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0003.RAW

COMPOUND	ACTUAL (NG)	MEASURED (NG)	%RECOVERY	LIMITS
C6 to C10	840.	1033.65	123.05	85-115
TPH	1000.	1107.73	110.77	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	8.702	125.	104.586	83.67	85-115



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_0209PE104r, GQC ;0209PE1 ,
 Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0004.RAW
 Date & Time Acquired: 2/9/2022 9:19:47 AM
 Method File: G:\Org\PE1\Methods\220203GCCV0209_04DoDB%.MET
 Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
 Mean RF for TPH: 722.4935
 Rt range for Gasoline Range Organics: 4.45 to 17.94

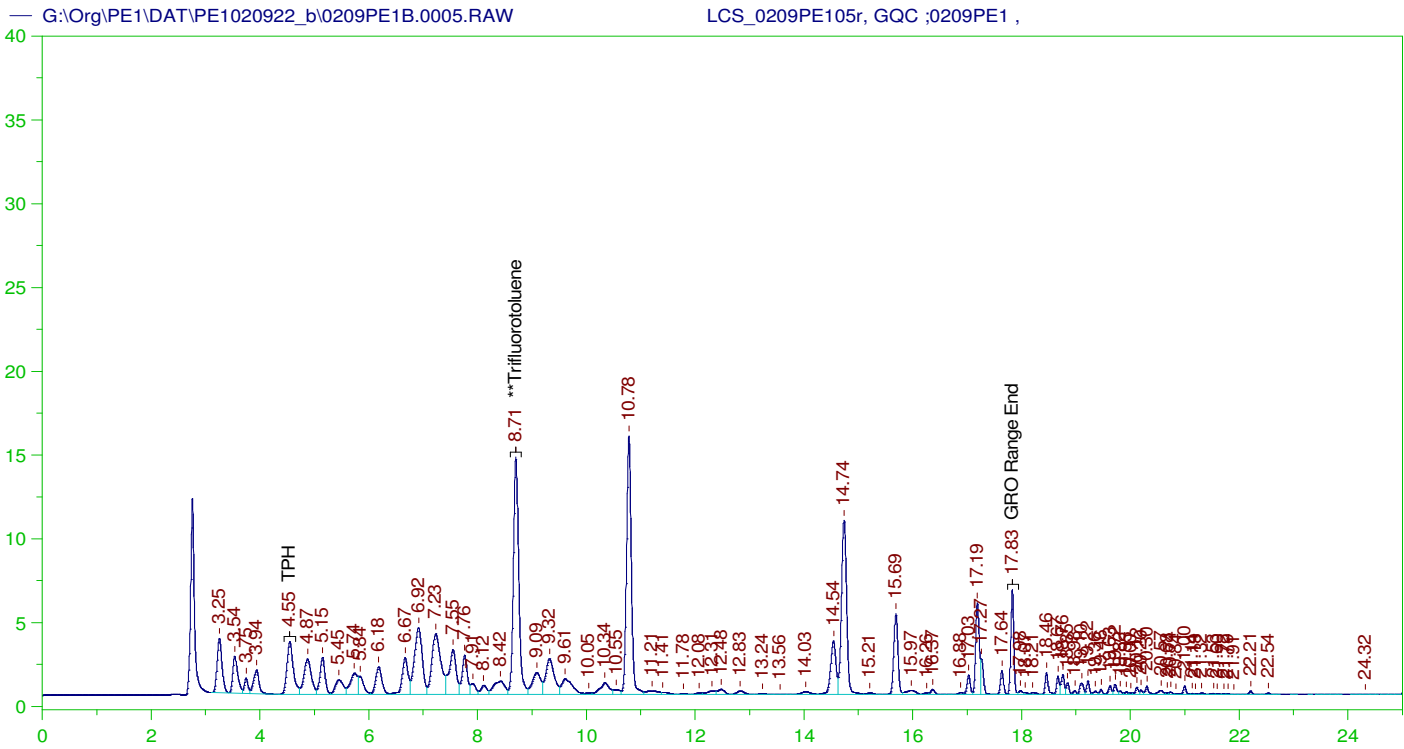
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.703	125.	119.821	95.86	-

C6 to C10 Area:651097.3 C6 to C10 Amount: 844.4213
 TPH Area:747511.8 TPH Amount: 1034.628

CONTINUING CALIBRATION REPORT: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0004.RAW

COMPOUND	ACTUAL (NG)	MEASURED (NG)	%RECOVERY	LIMITS
C6 to C10	840.	844.42	100.53	85-115
TPH	1000.	1034.63	103.46	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	8.703	125.	119.821	95.86	85-115



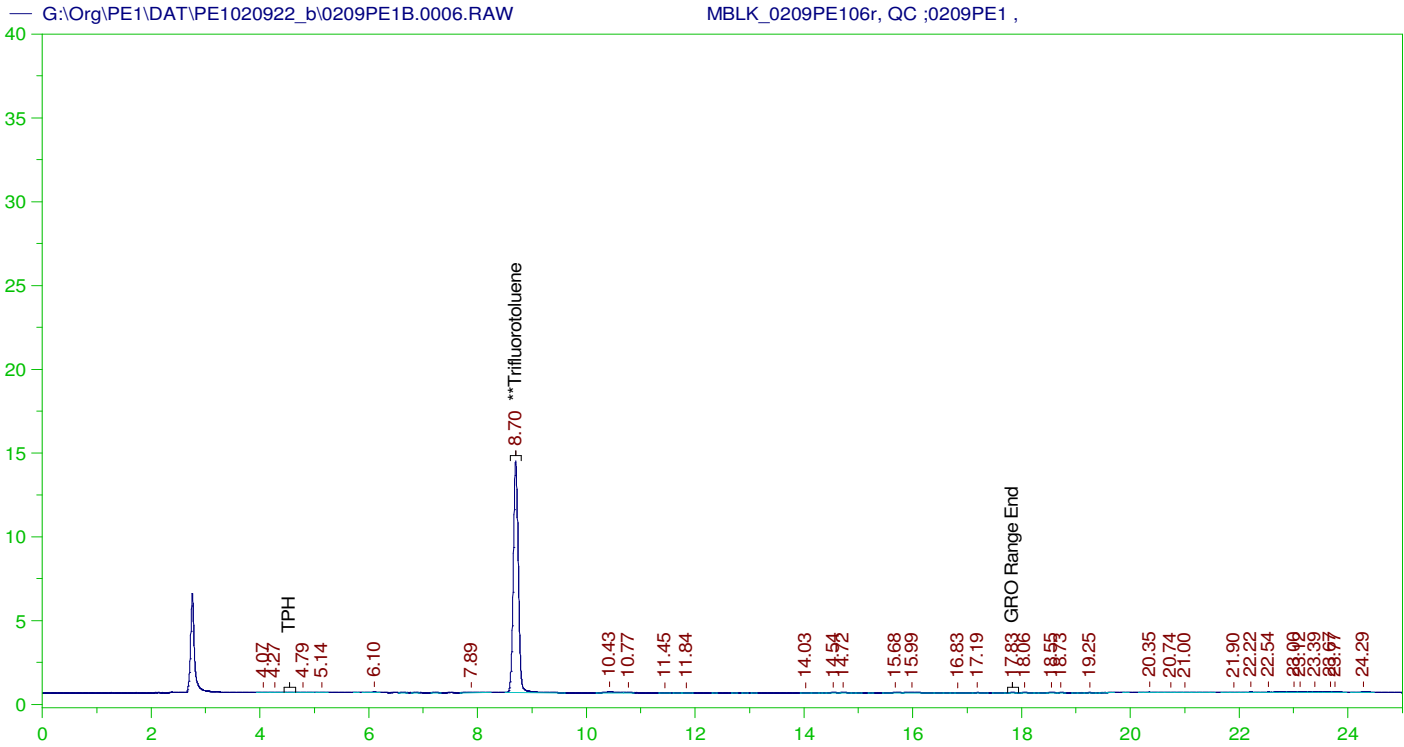
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: LCS_0209PE105r, GQC ;0209PE1 ,
 Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0005.RAW
 Date & Time Acquired: 2/9/2022 9:54:03 AM
 Method File: G:\Org\PE1\Methods\220203GLCS0209_05DoDB%.MET
 Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
 Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
 Mean RF for TPH: 722.4935
 Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.706	25.	23.302	93.21

C6 to C10 Area:629053.1 C6 to C10 Amount: 163.1664
 TPH Area:725469.6 TPH Amount: 200.8238



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: MBLK_0209PE106r, QC ;0209PE1 ,
 Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0006.RAW
 Date & Time Acquired: 2/9/2022 10:28:19 AM
 Method File: G:\Org\PE1\Methods\220203GRO_DoDB%.MET
 Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
 Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
 Mean RF for TPH: 722.4935
 Rt range for Gasoline Range Organics: 4.45 to 17.94

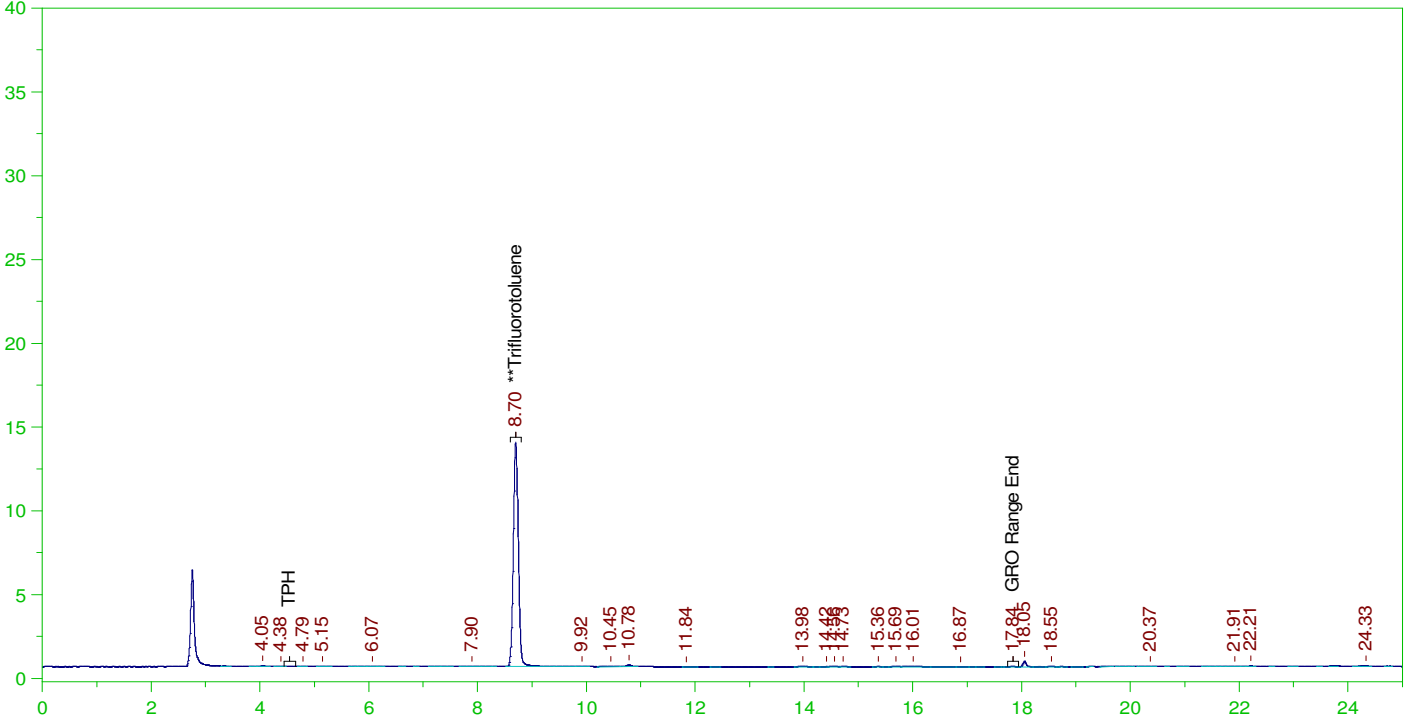
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.703	25.	21.336	85.34

C6 to C10 Area:3681.23 C6 to C10 Amount: 0.9548524
 TPH Area:5925.522 TPH Amount: 1.640298

ERH2518 (Trip Blanks)

G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0007.RAW

B22020415-034A ;0209PE1 , \$HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22020415-034A ;0209PE1 , \$HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0007.RAW
Date & Time Acquired: 2/9/2022 11:02:36 AM
Method File: G:\Org\PE1\Methods\220203GRO_DoDB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

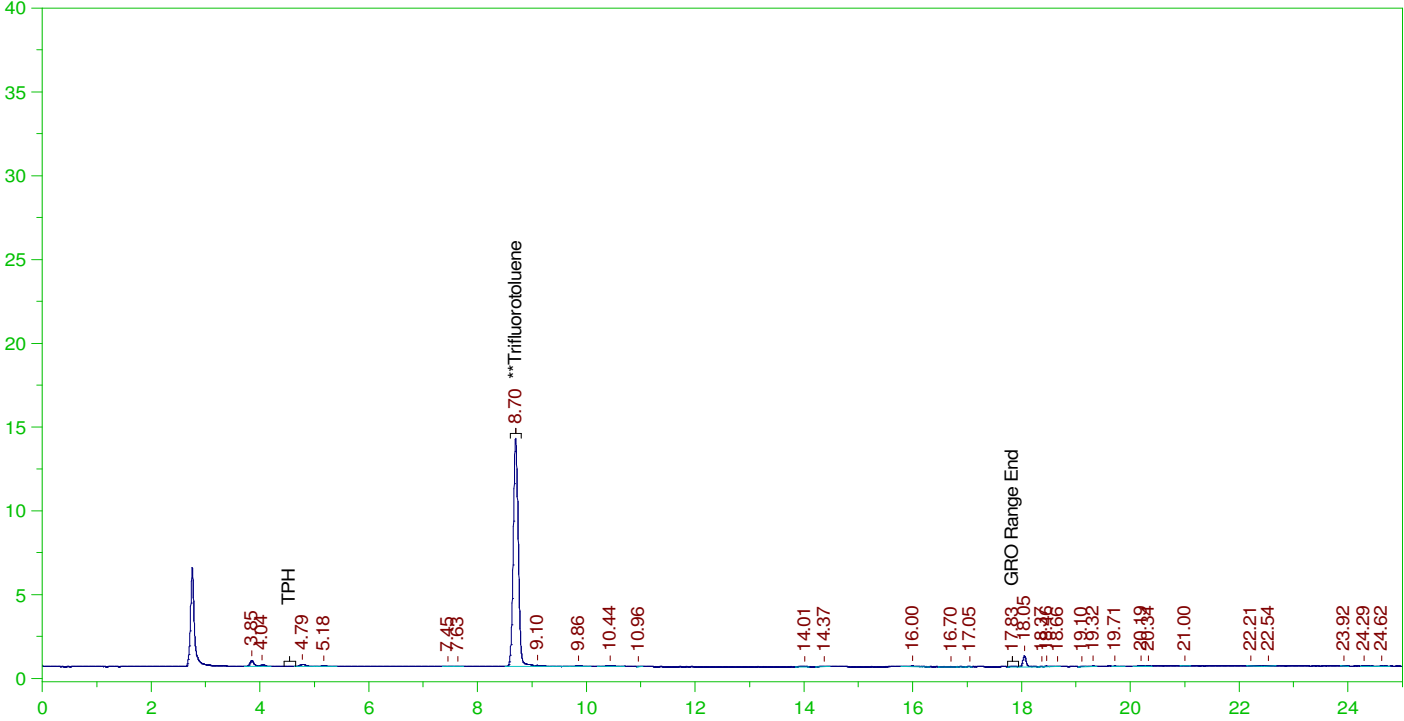
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.703	25.	20.652	82.61

C6 to C10 Area:3146.417 C6 to C10 Amount: 0.8161306
TPH Area:5910.205 TPH Amount: 1.636057

ERH2519 (RHMW2254-01 Low Flow)

G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0008.RAW

B22020415-032G ;0209PE1 , \$HC-8015-GRO-W,



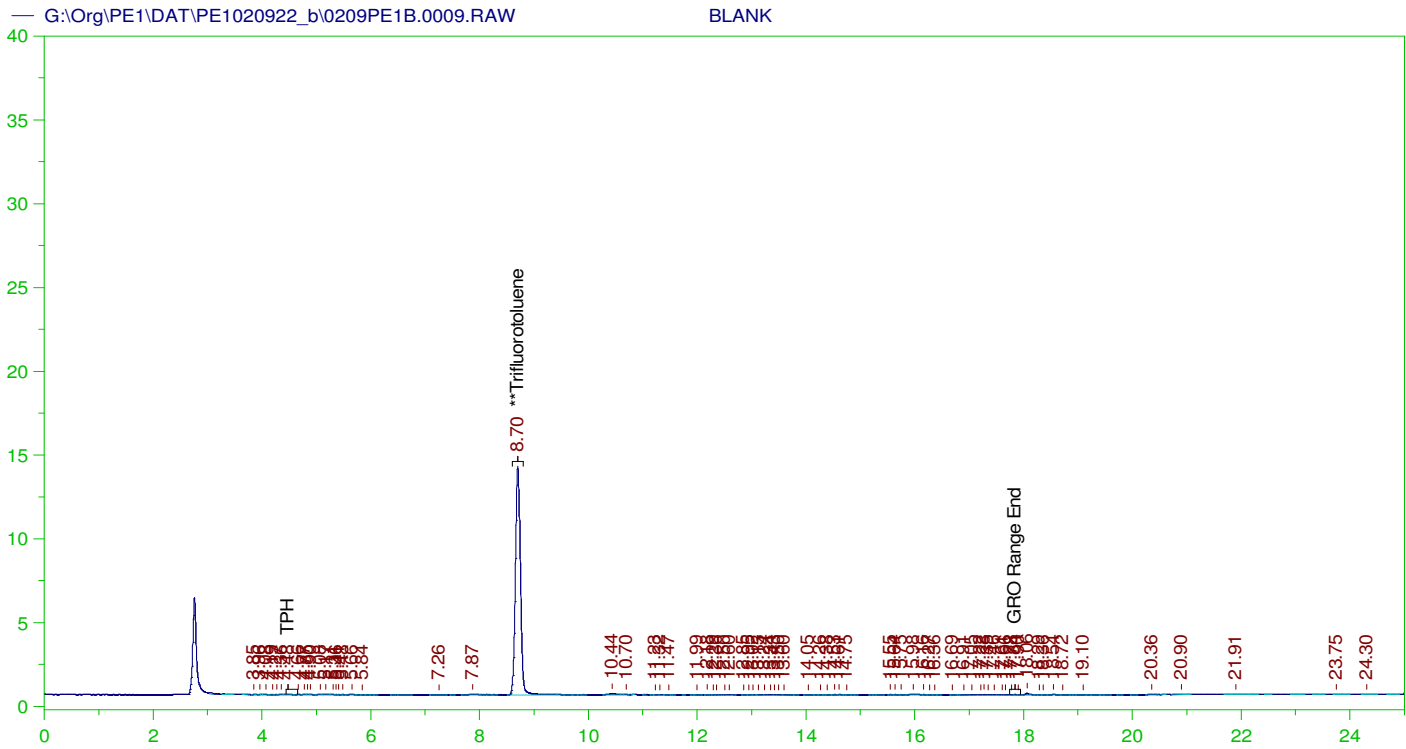
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22020415-032G ;0209PE1 , \$HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0008.RAW
Date & Time Acquired: 2/9/2022 11:36:58 AM
Method File: G:\Org\PE1\Methods\220203G415-32DoDB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.702	25.	20.955	83.82

C6 to C10 Area:5039.947 C6 to C10 Amount: 1.307282
TPH Area:12426.37 TPH Amount: 3.439857



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0009.RAW
 Date & Time Acquired: 2/9/2022 12:11:20 PM
 Method File: G:\Org\PE1\Methods\220203GRO_DoDB%.MET
 Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
 Mean RF for TPH: 722.4935
 Rt range for Gasoline Range Organics: 4.45 to 17.94

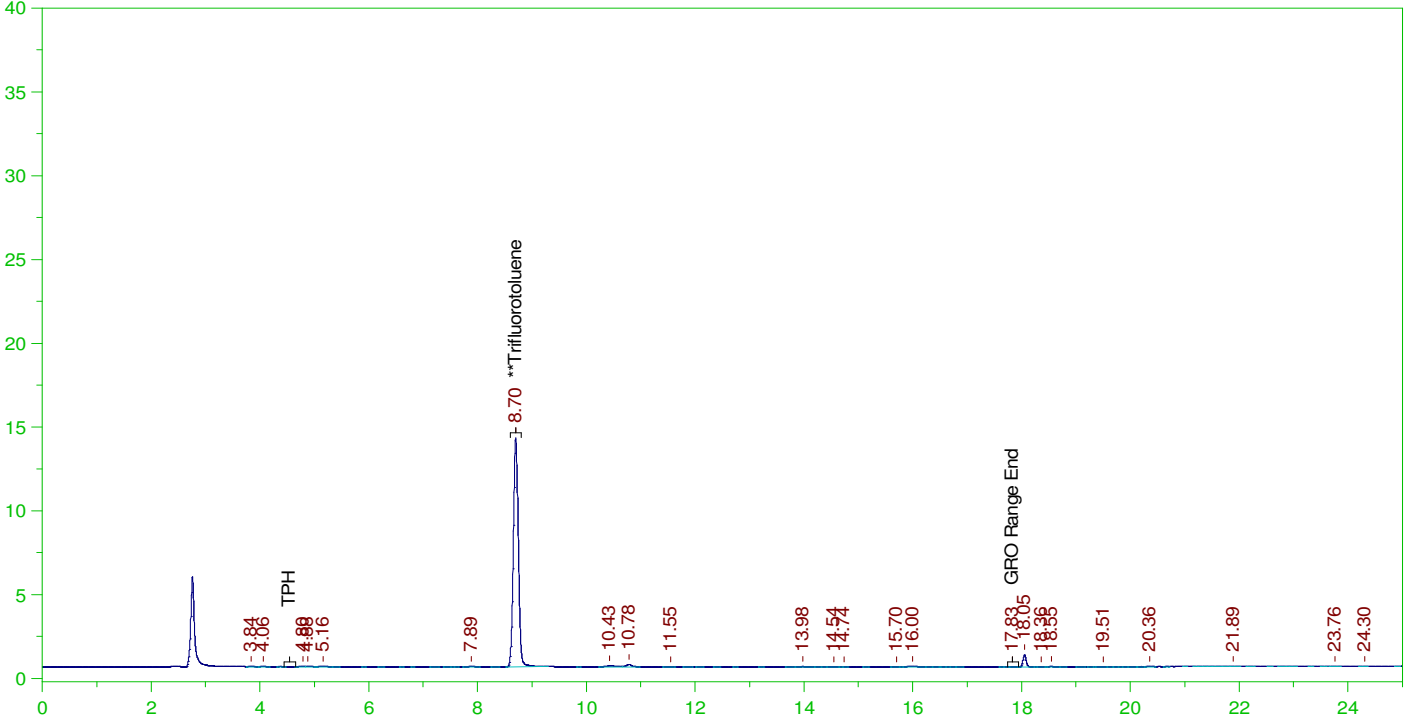
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.705	125.	105.251	84.2

C6 to C10 Area: 8377.396 C6 to C10 Amount: 10.86482
 TPH Area: 11286.64 TPH Amount: 15.62179

ERH2521 (Trip Blanks)

G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0010.RAW

B22020415-003A ;0209PE1 , \$HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22020415-003A ;0209PE1 , \$HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0010.RAW
Date & Time Acquired: 2/9/2022 12:45:46 PM
Method File: G:\Org\PE1\Methods\220203GRO_DoDB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

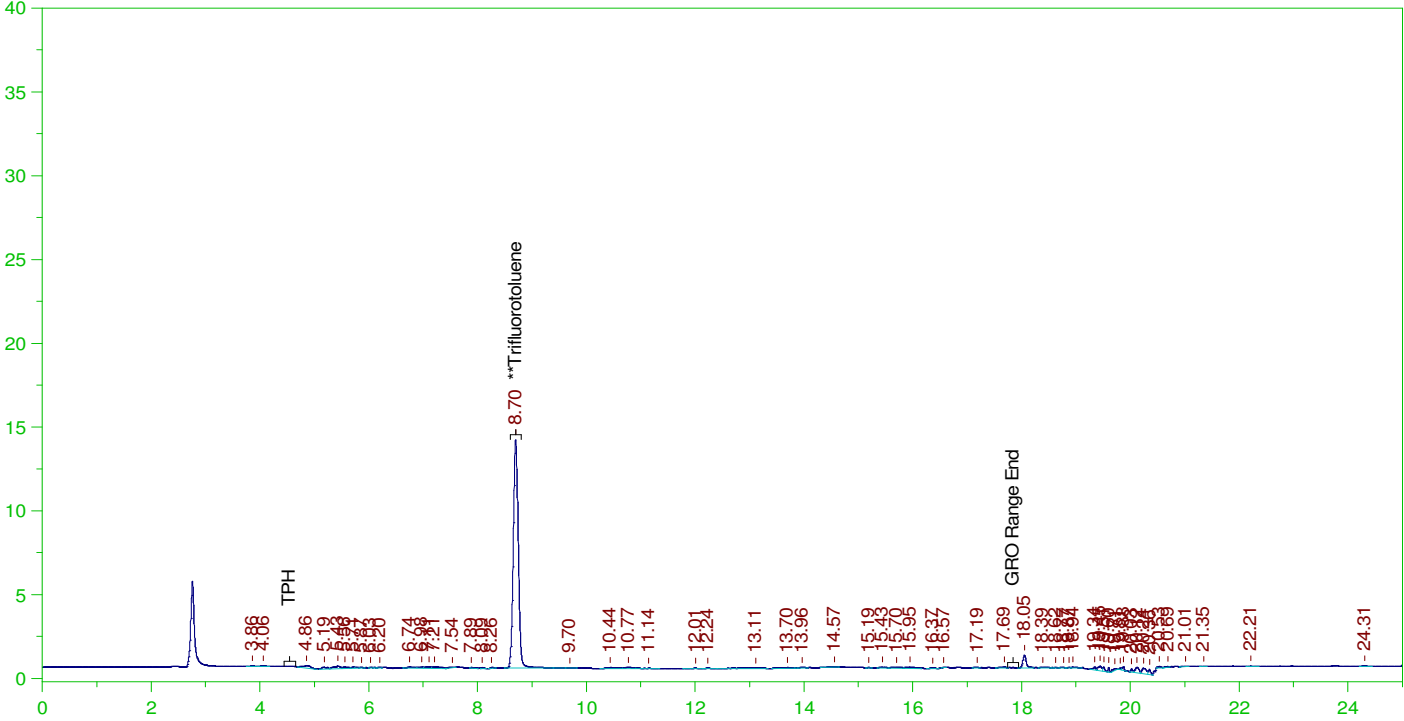
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.703	25.	20.948	83.79

C6 to C10 Area:4316.05 C6 to C10 Amount: 1.119515
TPH Area:8880.889 TPH Amount: 2.4584

ERH2513 (Trip Blanks)

G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0011.RAW

B22020415-008A ;0209PE1 , \$HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22020415-008A ;0209PE1 , \$HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0011.RAW
Date & Time Acquired: 2/9/2022 1:20:02 PM
Method File: G:\Org\PE1\Methods\220203G415-8DoDB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

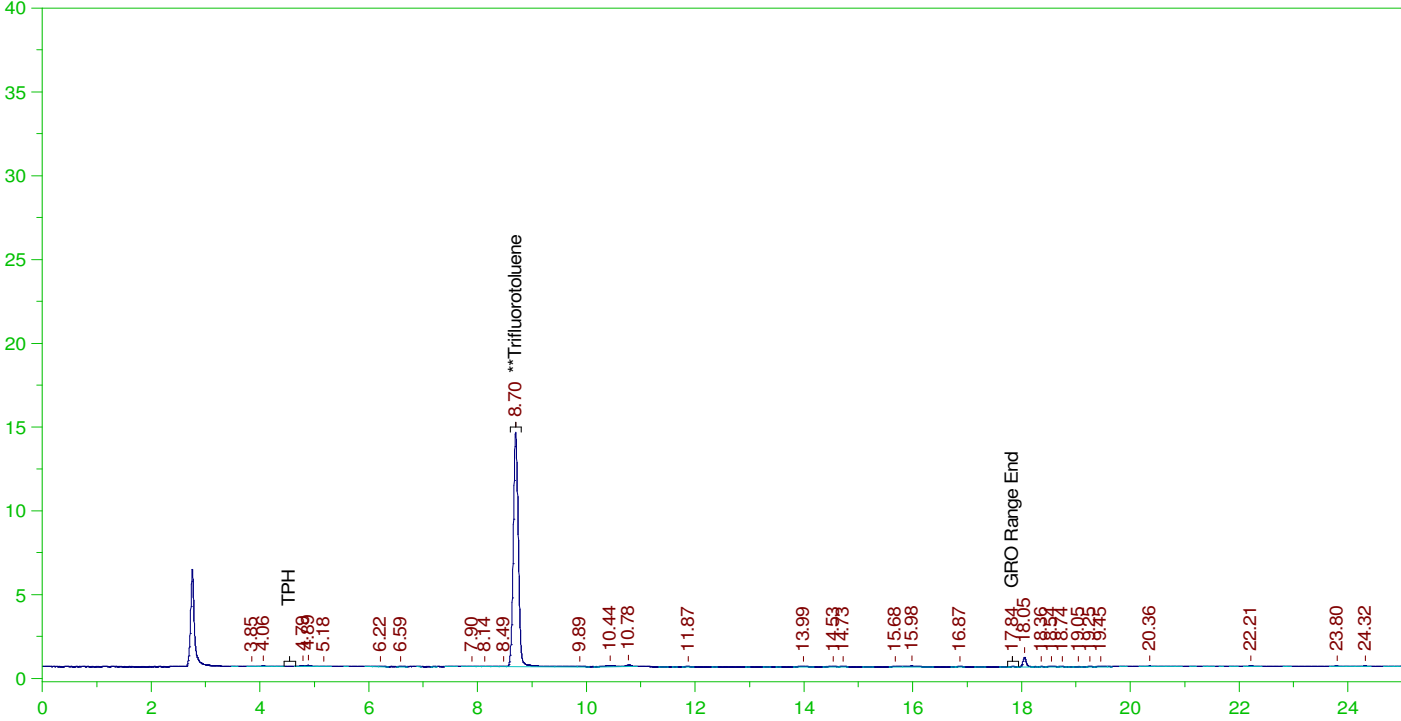
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.702	25.	21.211	84.84

C6 to C10 Area:16449.08 C6 to C10 Amount: 4.266631
TPH Area:32819.07 TPH Amount: 9.084947

ERH2506 (Trip Blank)

G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0012.RAW

B22020415-013A ;0209PE1 , \$HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22020415-013A ;0209PE1 , \$HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0012.RAW
Date & Time Acquired: 2/9/2022 1:54:17 PM
Method File: G:\Org\PE1\Methods\220203GRO_DoDB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

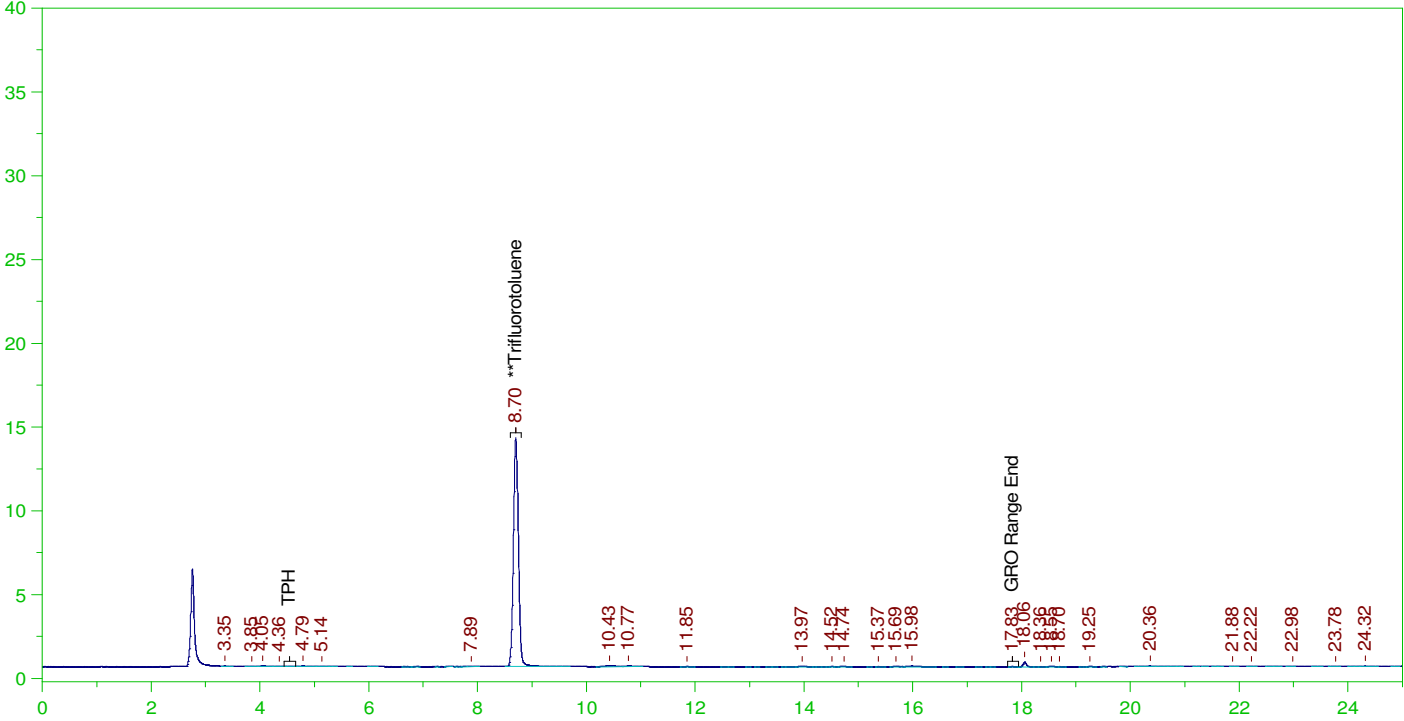
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.702	25.	21.579	86.32

C6 to C10 Area:4917.448 C6 to C10 Amount: 1.275508
TPH Area:9333.75 TPH Amount: 2.58376

ERH2508 (Trip Blank)

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B22020415-019A ;0209PE1 , \$HC-8015-GRO-W,



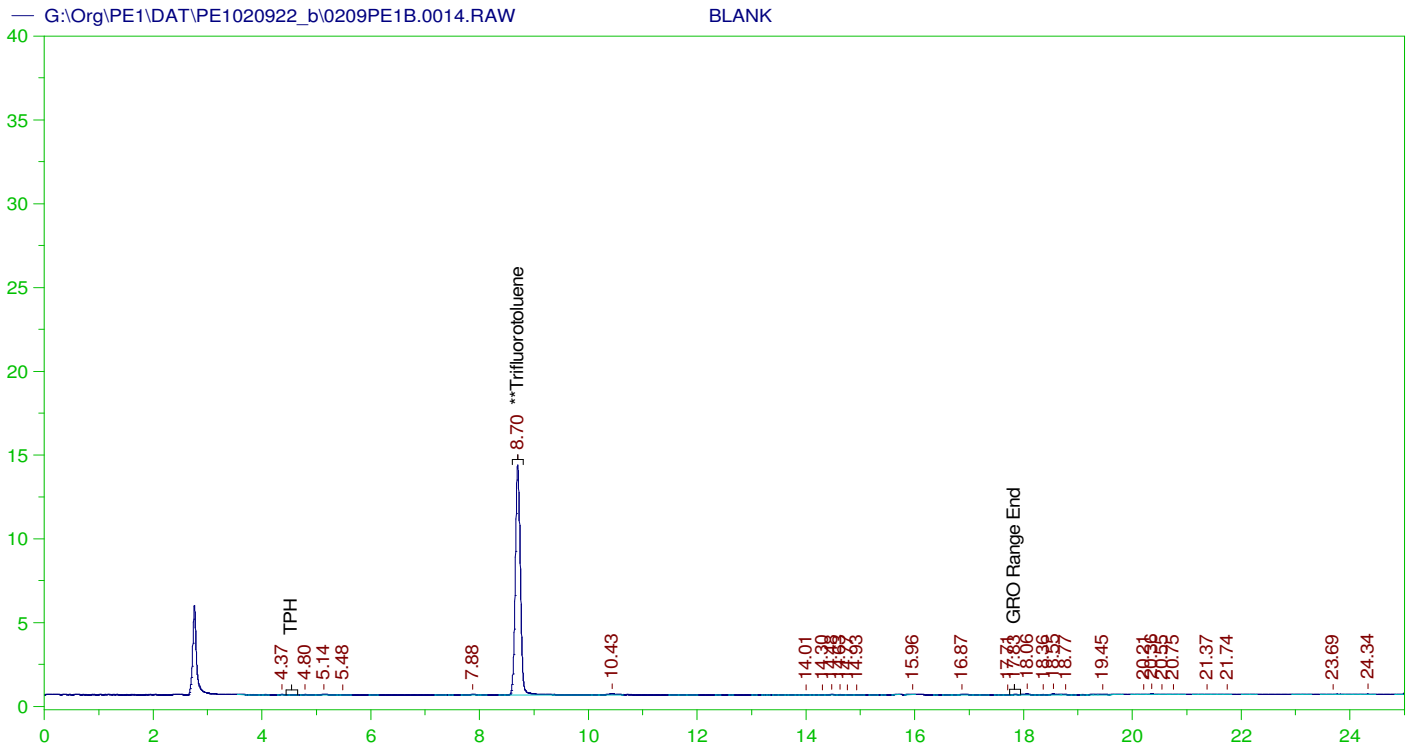
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22020415-019A ;0209PE1 , \$HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0013.RAW
Date & Time Acquired: 2/9/2022 2:28:35 PM
Method File: G:\Org\PE1\Methods\220203GRO_DoDB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.705	25.	20.937	83.75

C6 to C10 Area:3948.688 C6 to C10 Amount: 1.024227
TPH Area:7077.976 TPH Amount: 1.959319



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0014.RAW
 Date & Time Acquired: 2/9/2022 3:02:52 PM
 Method File: G:\Org\PE1\Methods\220203GRO_DoDB%.MET
 Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
 Mean RF for TPH: 722.4935
 Rt range for Gasoline Range Organics: 4.45 to 17.94

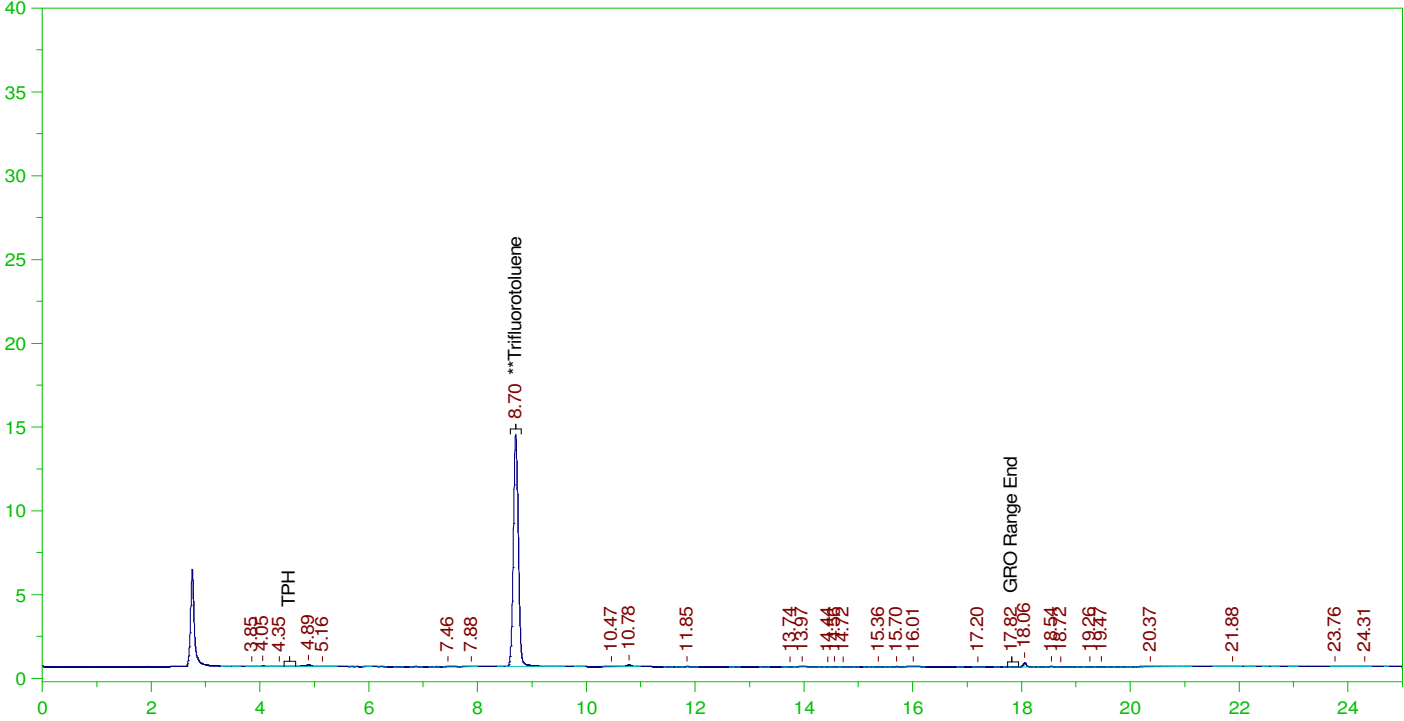
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.703	125.	105.969	84.77

C6 to C10 Area:3180.441 C6 to C10 Amount: 4.124779
 TPH Area:5662.472 TPH Amount: 7.837401

ERH2511 (Trip Blank)

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B22020415-024A ;0209PE1 , \$HC-8015-GRO-W,



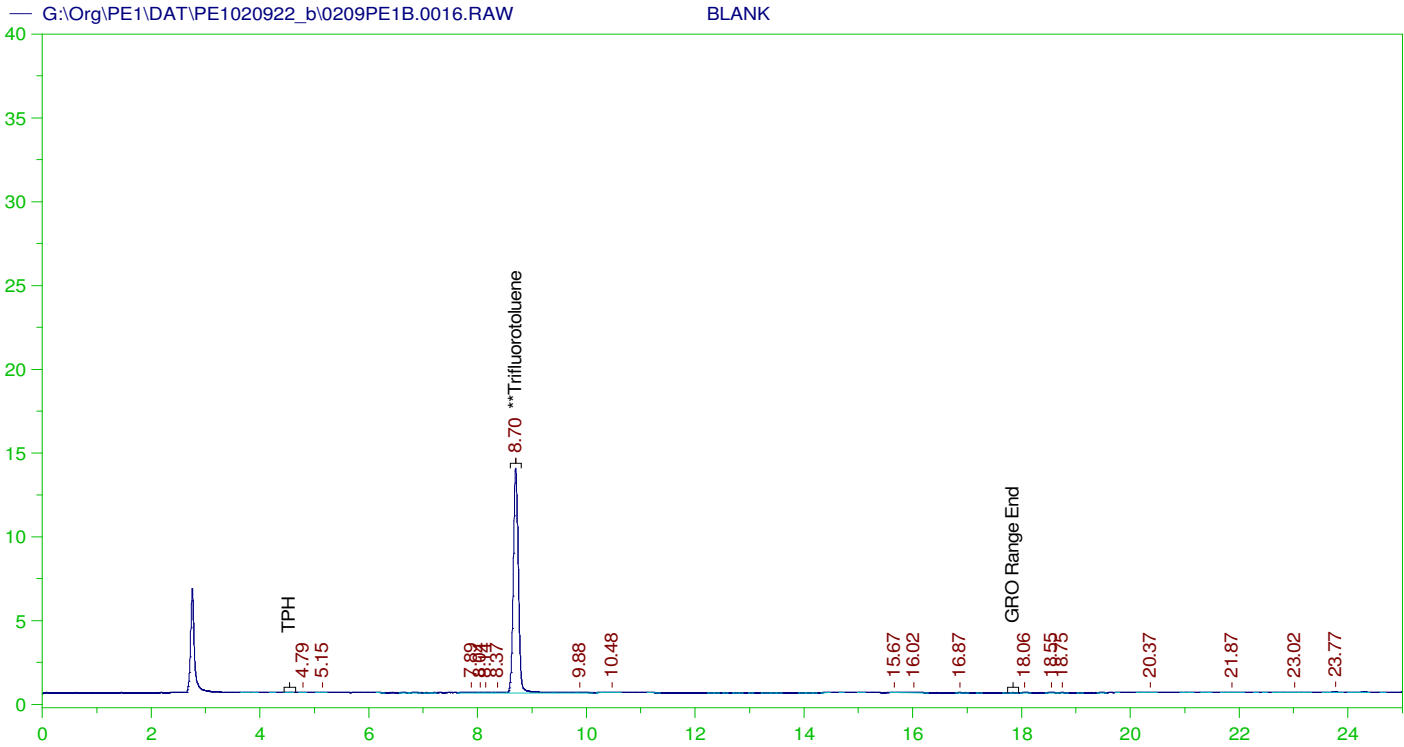
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22020415-024A ;0209PE1 , \$HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0015.RAW
Date & Time Acquired: 2/9/2022 3:37:09 PM
Method File: G:\Org\PE1\Methods\220203GRO_DoDB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.704	25.	21.359	85.43

C6 to C10 Area:4314.865 C6 to C10 Amount: 1.119207
TPH Area:7349.804 TPH Amount: 2.034566



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0016.RAW
 Date & Time Acquired: 2/9/2022 4:11:27 PM
 Method File: G:\Org\PE1\Methods\220203GRO_DoDB%.MET
 Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
 Mean RF for TPH: 722.4935
 Rt range for Gasoline Range Organics: 4.45 to 17.94

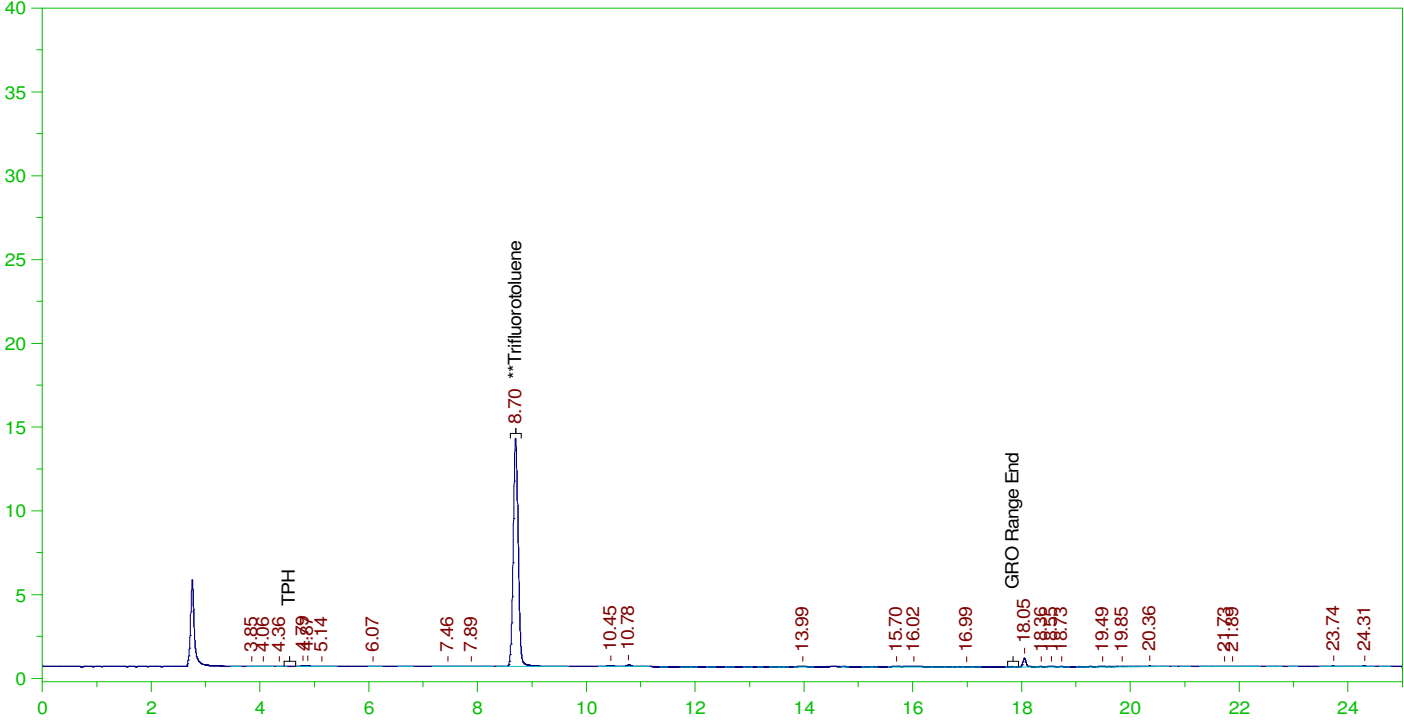
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.703	125.	103.71	82.97

C6 to C10 Area:2117.621 C6 to C10 Amount: 2.746387
 TPH Area:3371.643 TPH Amount: 4.666676

ERH2515 (Trip Blanks)

G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0017.RAW

B22020415-029A ;0209PE1 , \$HC-8015-GRO-W,



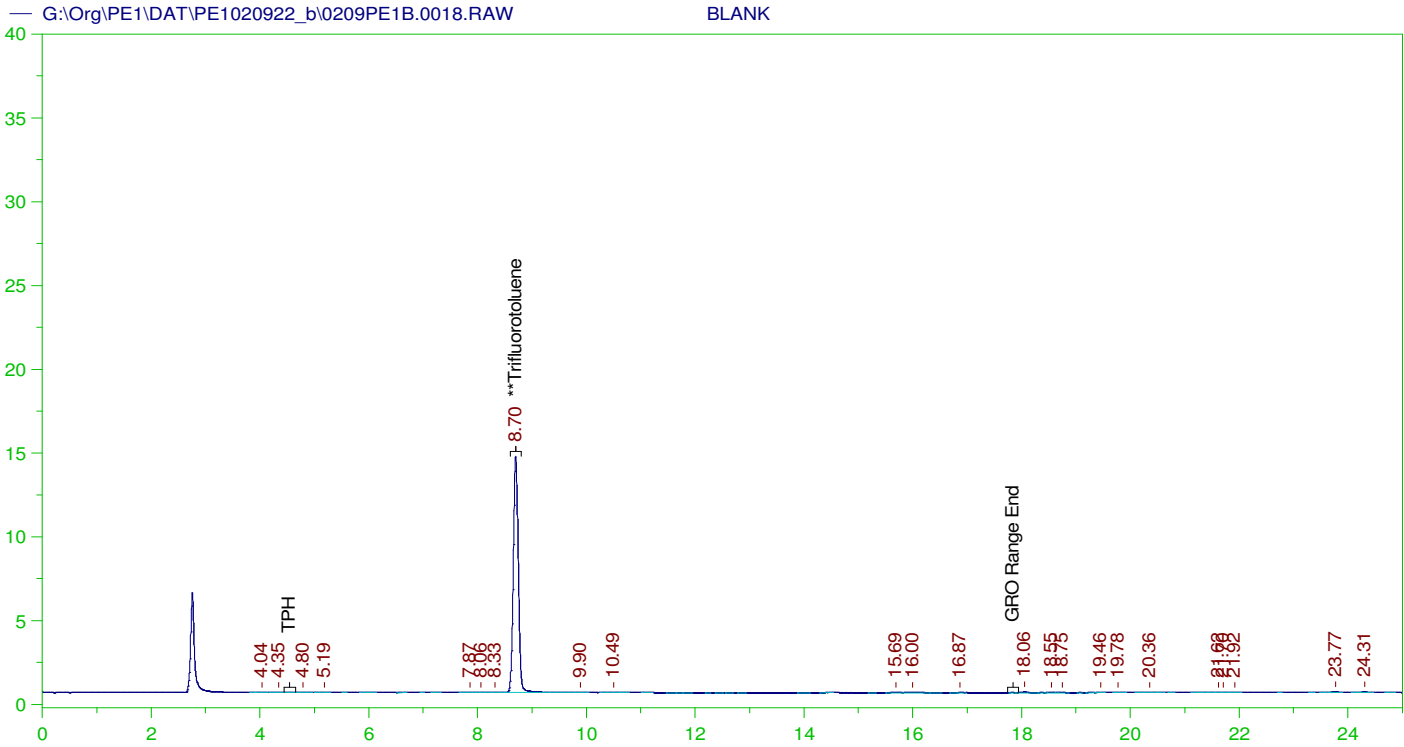
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22020415-029A ;0209PE1 , \$HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0017.RAW
Date & Time Acquired: 2/9/2022 4:45:46 PM
Method File: G:\Org\PE1\Methods\220203GRO_DoDB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.701	25.	20.955	83.82

C6 to C10 Area:3720.895 C6 to C10 Amount: 0.9651409
TPH Area:7684.969 TPH Amount: 2.127346



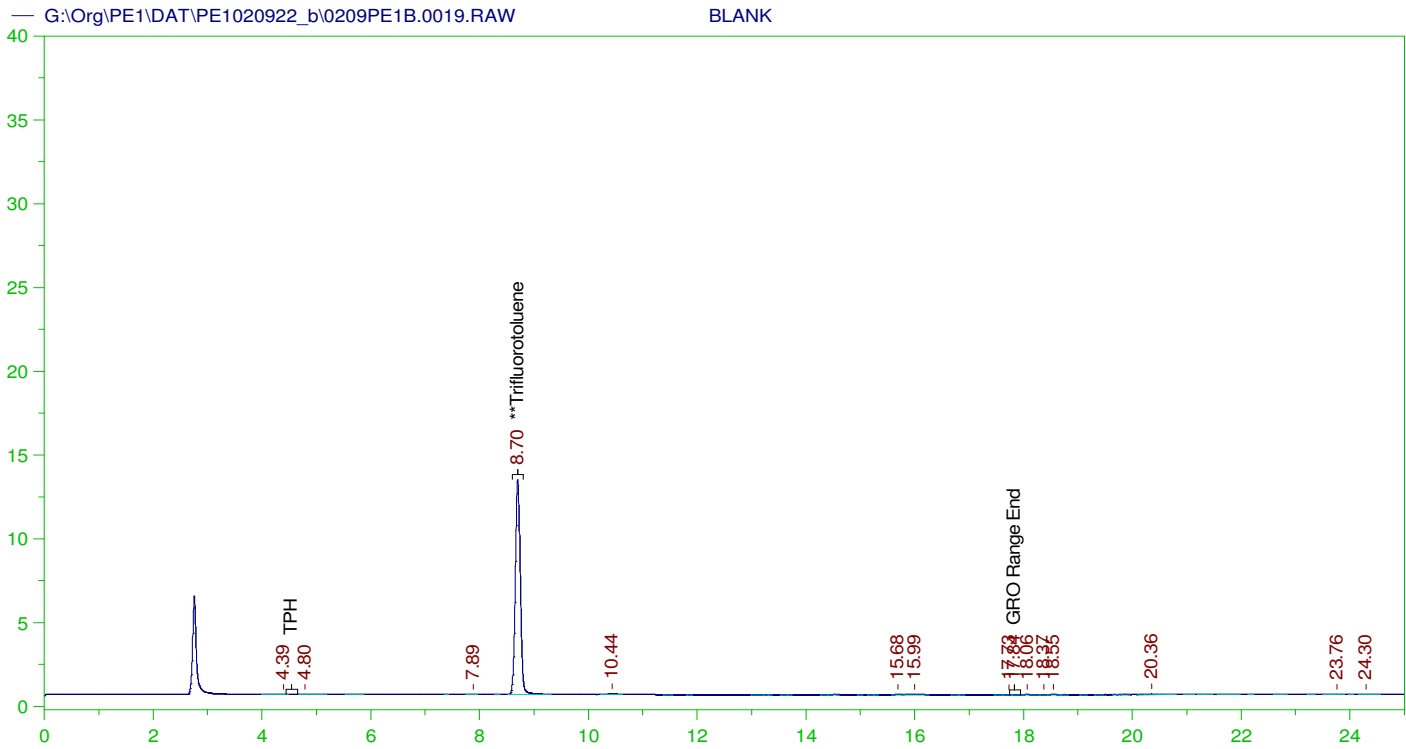
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0018.RAW
 Date & Time Acquired: 2/9/2022 5:20:06 PM
 Method File: G:\Org\PE1\Methods\220203GRO_DoDB%.MET
 Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
 Mean RF for TPH: 722.4935
 Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.703	125.	108.923	87.14

C6 to C10 Area:2409.933 C6 to C10 Amount: 3.125491
 TPH Area:4252.137 TPH Amount: 5.885363



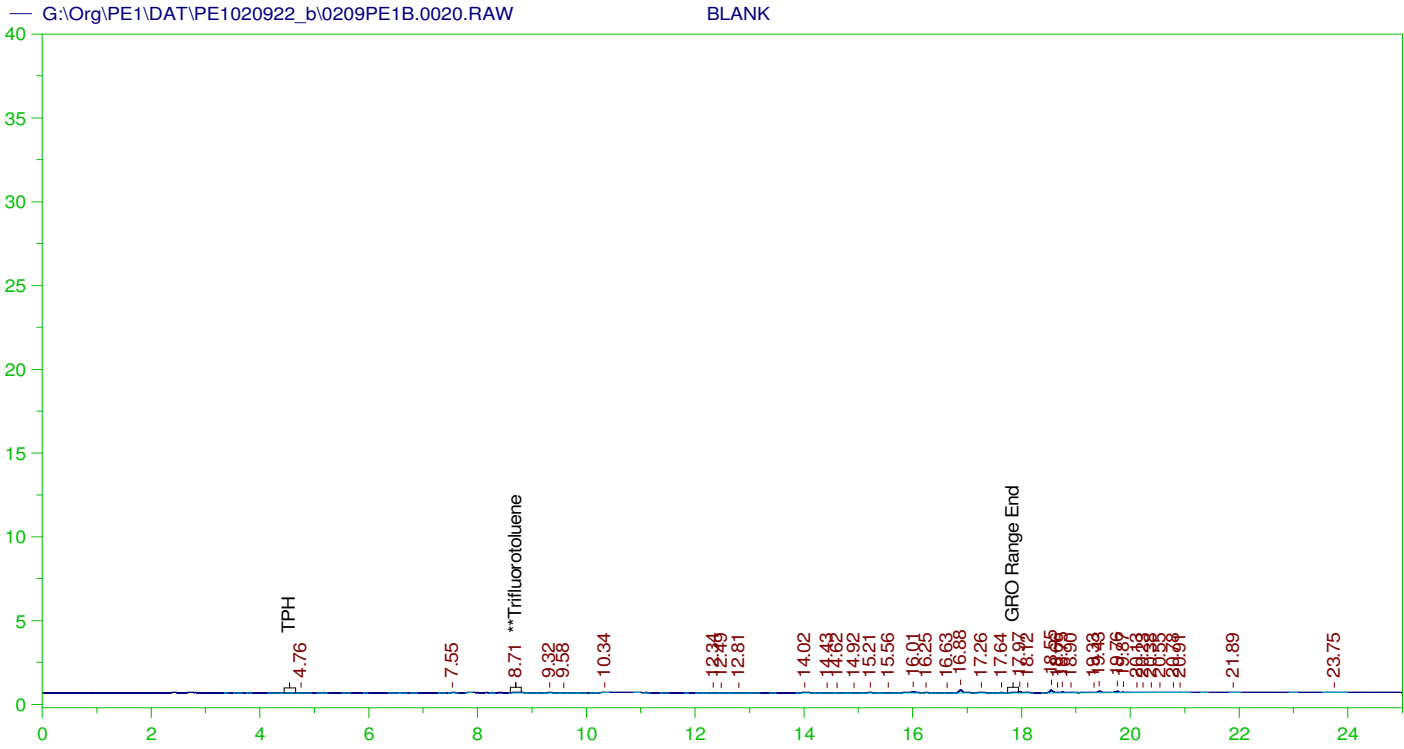
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0019.RAW
 Date & Time Acquired: 2/9/2022 5:54:29 PM
 Method File: G:\Org\PE1\Methods\220203GRO_DoDB%.MET
 Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
 Mean RF for TPH: 722.4935
 Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.703	125.	98.484	78.79

C6 to C10 Area:1897.705 C6 to C10 Amount: 2.461172
 TPH Area:3341.288 TPH Amount: 4.624662



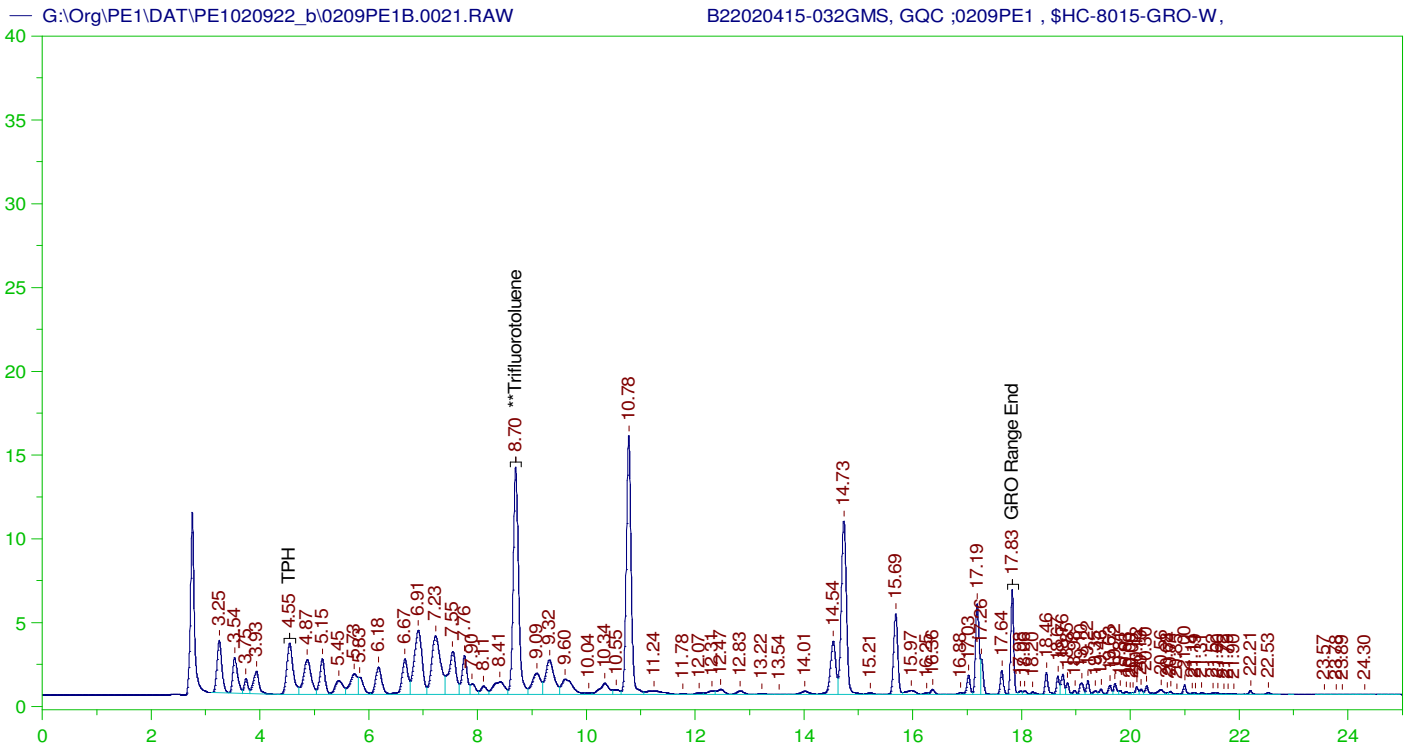
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0020.RAW
 Date & Time Acquired: 2/9/2022 6:28:59 PM
 Method File: G:\Org\PE1\Methods\220203GRO_DoDB%.MET
 Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
 Mean RF for TPH: 722.4935
 Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.711	125.	.236	.19

C6 to C10 Area:5217.078 C6 to C10 Amount: 6.766135
 TPH Area:10125.56 TPH Amount: 14.01474



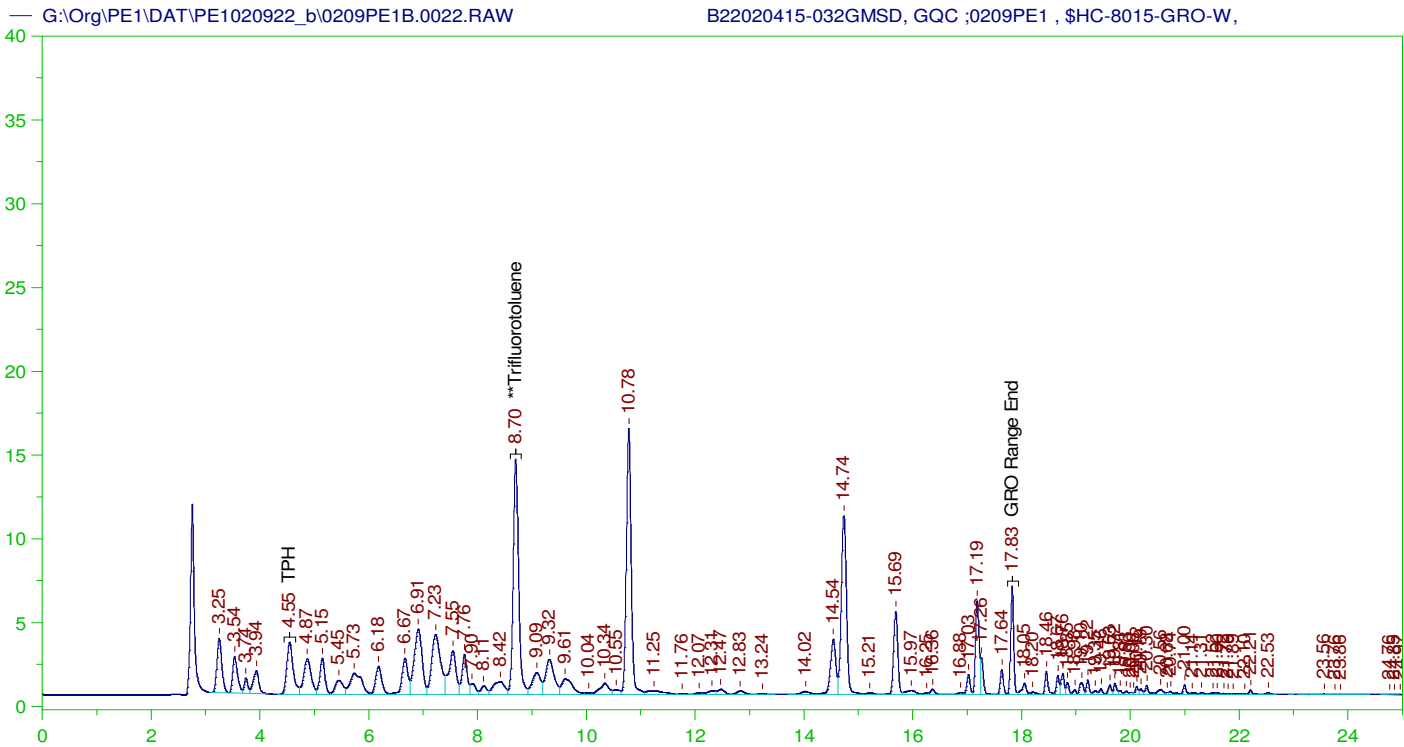
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22020415-032GMS, GQC ;0209PE1 , \$HC-8015-GRO-W,
 Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0021.RAW
 Date & Time Acquired: 2/9/2022 7:03:15 PM
 Method File: G:\Org\PE1\Methods\220203G415-32MSDoDB%.MET
 Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
 Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
 Mean RF for TPH: 722.4935
 Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.702	25.	22.369	89.48

C6 to C10 Area:620220.4 C6 to C10 Amount: 160.8753
 TPH Area:718415.7 TPH Amount: 198.8712



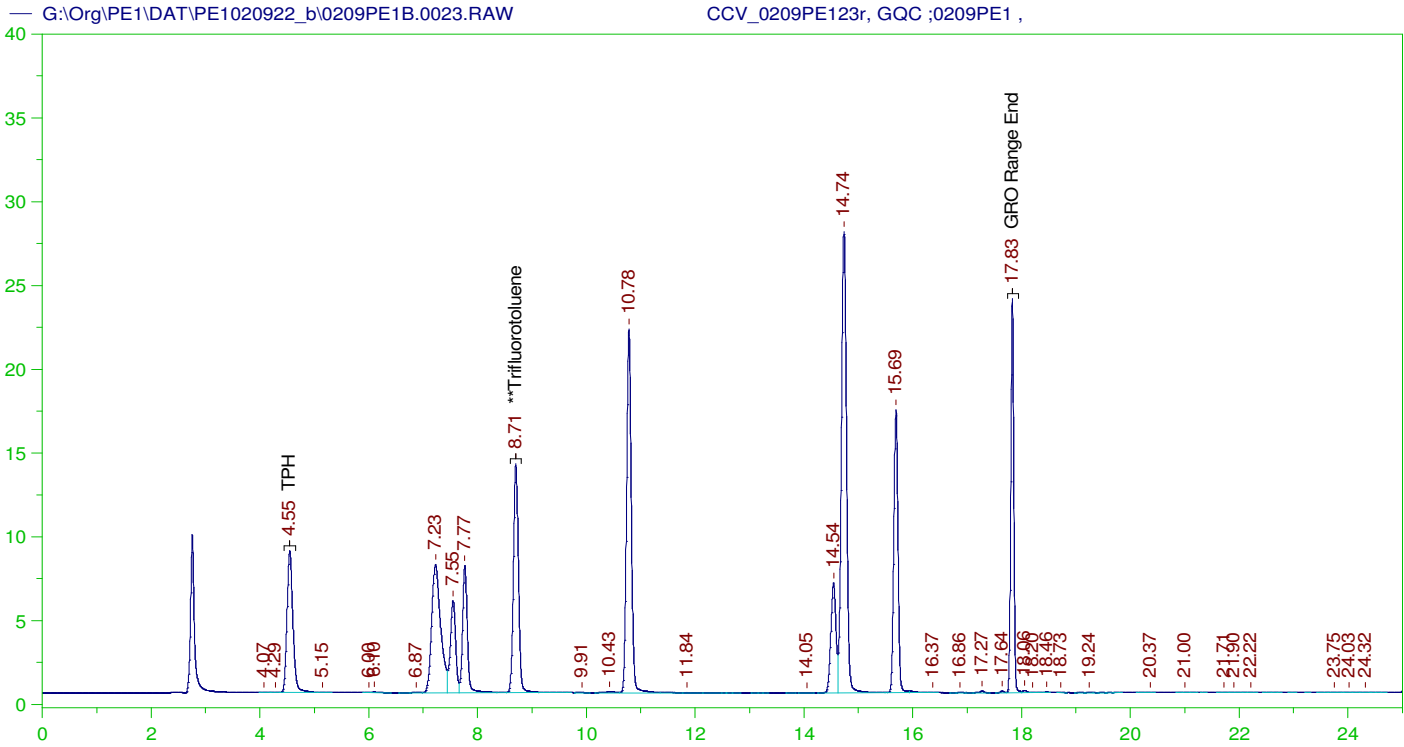
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22020415-032GMSD, GQC ;0209PE1 , \$HC-8015-GRO-W,
 Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0022.RAW
 Date & Time Acquired: 2/9/2022 7:37:31 PM
 Method File: G:\Org\PE1\Methods\220203G415-32MSDDoDB%.MET
 Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
 Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
 Mean RF for TPH: 722.4935
 Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.703	25.	23.164	92.66

C6 to C10 Area:633845.3 C6 to C10 Amount: 164.4094
 TPH Area:736830.6 TPH Amount: 203.9688



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_0209PE123r, GQC ;0209PE1 ,
Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0023.RAW
Date & Time Acquired: 2/9/2022 8:11:45 PM
Method File: G:\Org\PE1\Methods\220203GRO_DoDB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

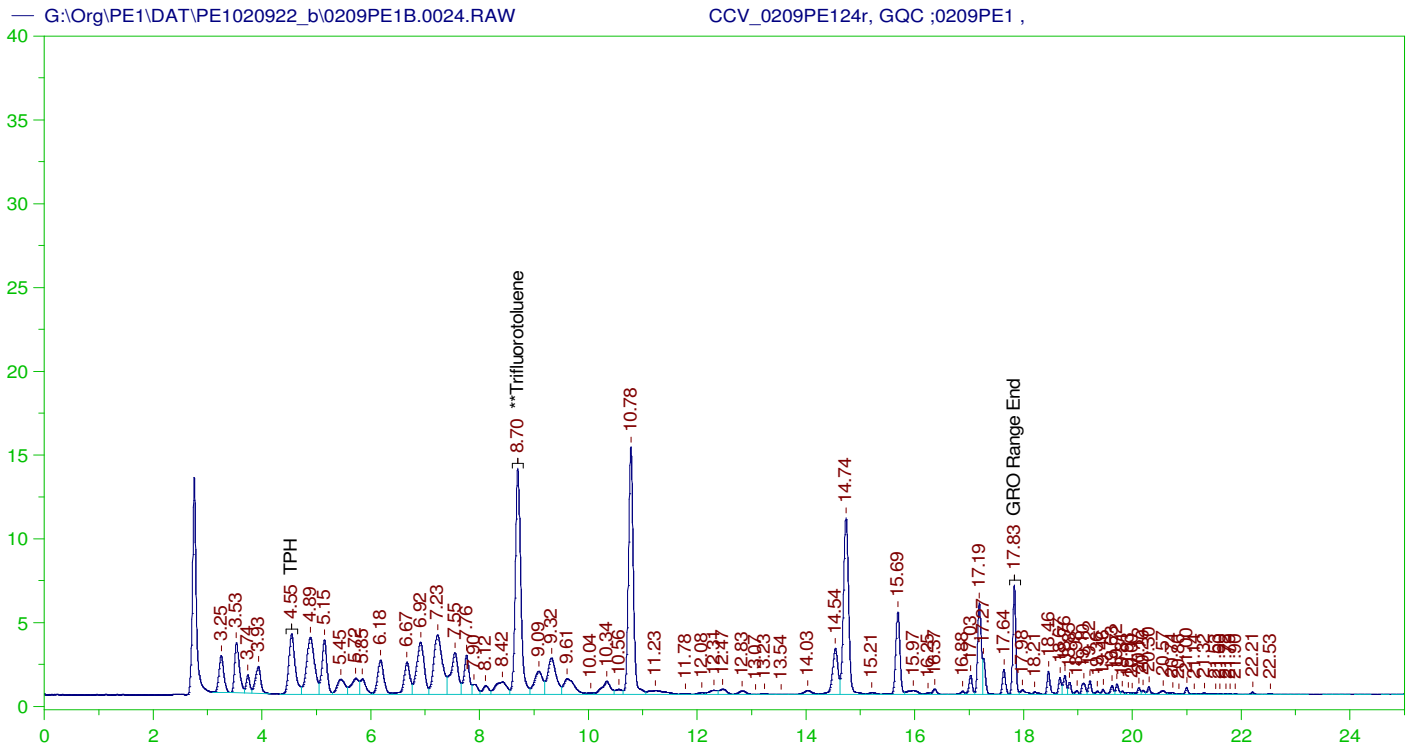
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.705	125.	105.227	84.18

C6 to C10 Area:780871.6 C6 to C10 Amount: 1012.728
TPH Area:783080.5 TPH Amount: 1083.858

CONTINUING CALIBRATION REPORT: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0023.RAW

COMPOUND	ACTUAL (NG)	MEASURED (NG)	%RECOVERY	LIMITS
C6 to C10	840.	1012.73	120.56	85-115
TPH	1000.	1083.86	108.39	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	8.705	125.	105.227	84.18	85-115



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_0209PE124r, GQC ;0209PE1 ,
 Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0024.RAW
 Date & Time Acquired: 2/9/2022 8:45:57 PM
 Method File: G:\Org\PE1\Methods\220203GCCV0209_24DoDB%.MET
 Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
 Mean RF for TPH: 722.4935
 Rt range for Gasoline Range Organics: 4.45 to 17.94

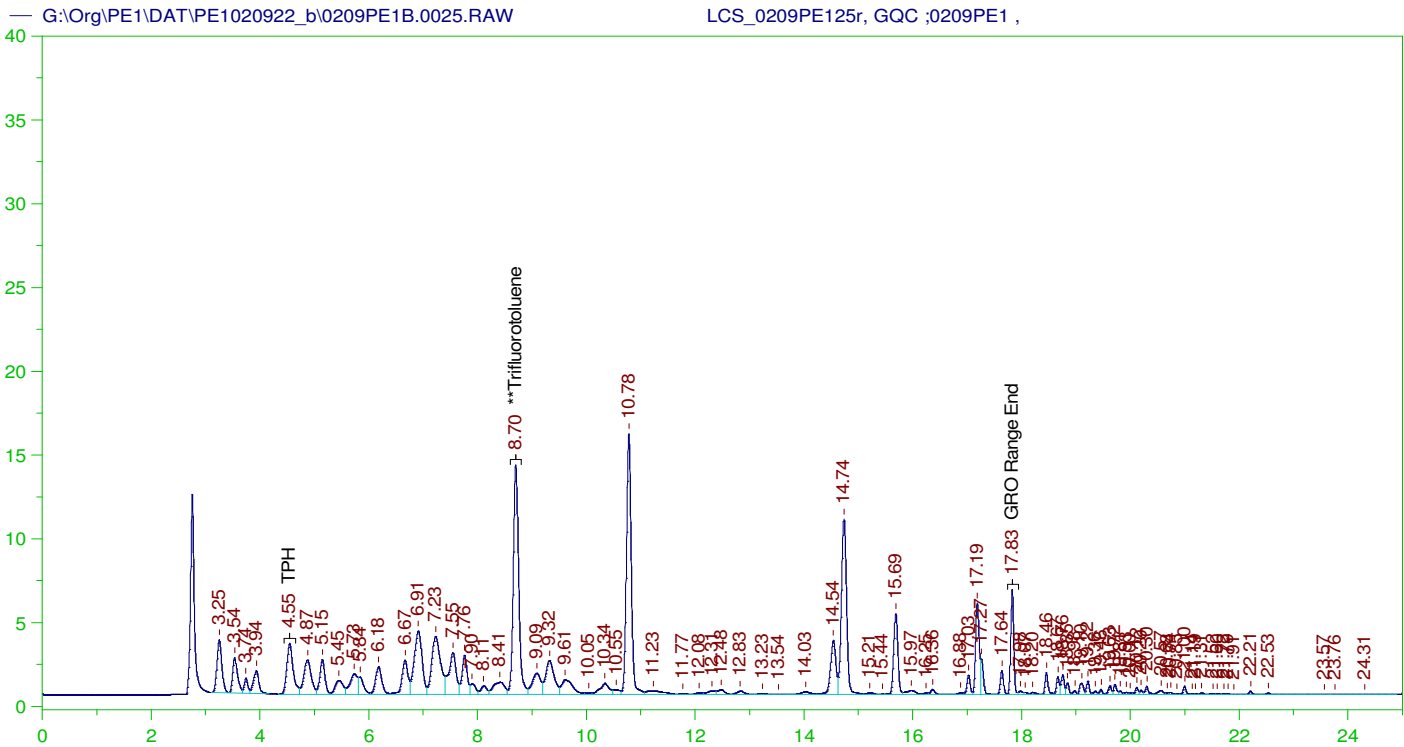
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.705	125.	112.42	89.94	-

C6 to C10 Area:637680.6 C6 to C10 Amount: 827.0211
 TPH Area:732776.9 TPH Amount: 1014.233

CONTINUING CALIBRATION REPORT: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0024.RAW

COMPOUND	ACTUAL (NG)	MEASURED (NG)	%RECOVERY	LIMITS
C6 to C10	840.	827.02	98.45	85-115
TPH	1000.	1014.23	101.42	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	8.705	125.	112.42	89.94	85-115



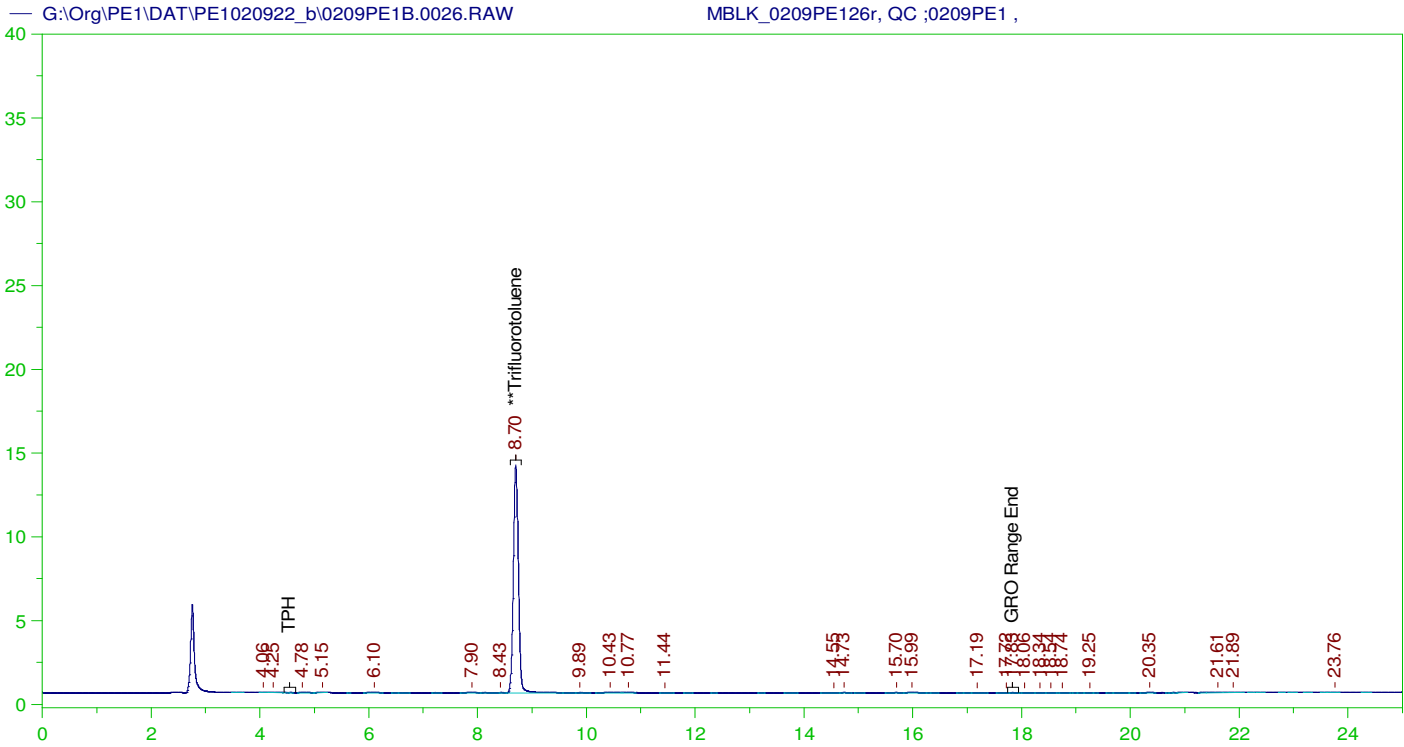
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: LCS_0209PE125r, GQC ;0209PE1 ,
 Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0025.RAW
 Date & Time Acquired: 2/9/2022 9:20:11 PM
 Method File: G:\Org\PE1\Methods\220203GLCS0209_25DoDB%.MET
 Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
 Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
 Mean RF for TPH: 722.4935
 Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.704	25.	22.609	90.44

C6 to C10 Area:614159.6 C6 to C10 Amount: 159.3032
 TPH Area:707840.9 TPH Amount: 195.9439



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: MBLK_0209PE126r, QC ;0209PE1 ,
 Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0026.RAW
 Date & Time Acquired: 2/9/2022 9:54:25 PM
 Method File: G:\Org\PE1\Methods\220203GRO_DoDB%.MET
 Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
 Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
 Mean RF for TPH: 722.4935
 Rt range for Gasoline Range Organics: 4.45 to 17.94

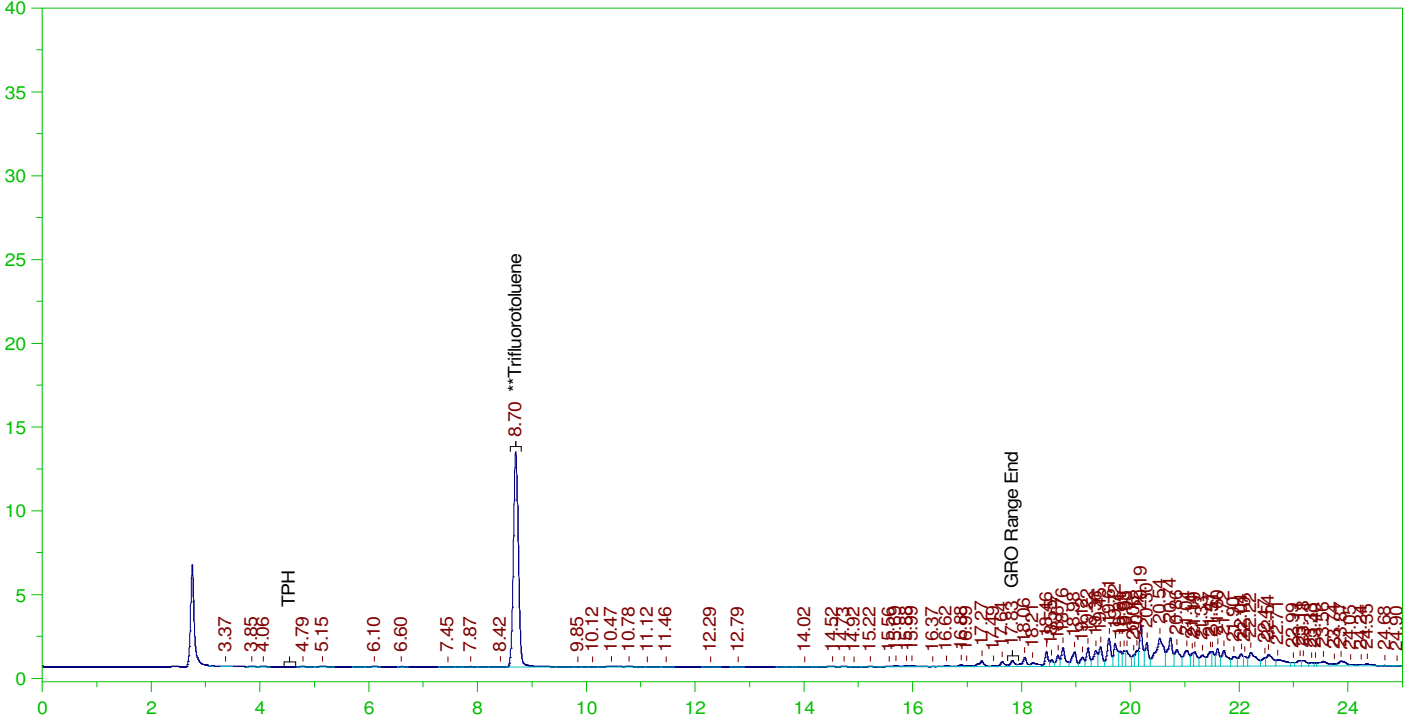
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.704	25.	21.01	84.04

C6 to C10 Area:3257.529 C6 to C10 Amount: 0.844951
 TPH Area:4707.164 TPH Amount: 1.303033

ERH2522 (Sump Adit 3)

G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0027.RAW

B22020415-001G ;0209PE1 , \$HC-8015-GRO-W,



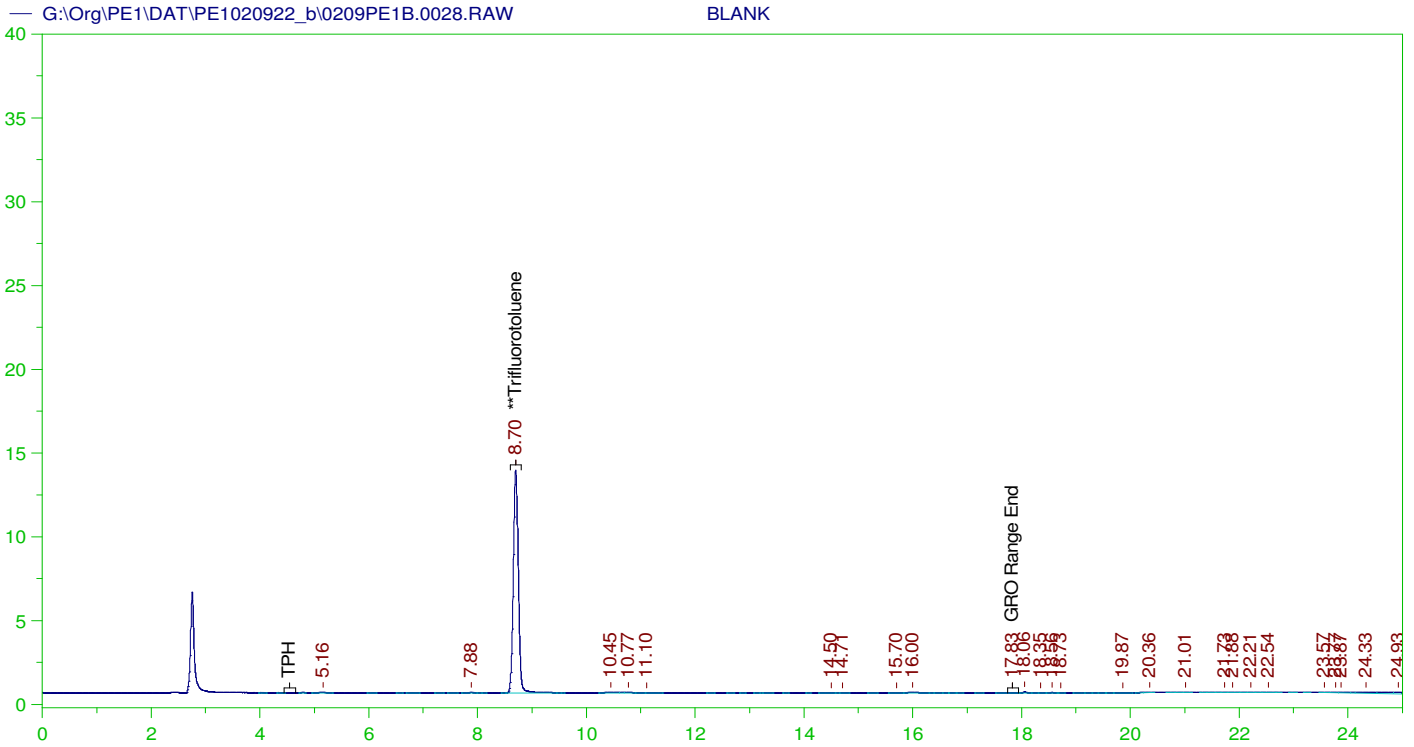
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22020415-001G ;0209PE1 , \$HC-8015-GRO-W,
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Method File: G:\Org\PE1\Methods\220203G415-1DoDB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.704	25.	19.889	79.56

C6 to C10 Area:14421.5 C6 to C10 Amount: 3.740707
TPH Area:227937.9 TPH Amount: 63.09756



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0028.RAW
 Date & Time Acquired: 2/9/2022 11:02:59 PM
 Method File: G:\Org\PE1\Methods\220203GRO_DoDB%.MET
 Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
 Mean RF for TPH: 722.4935
 Rt range for Gasoline Range Organics: 4.45 to 17.94

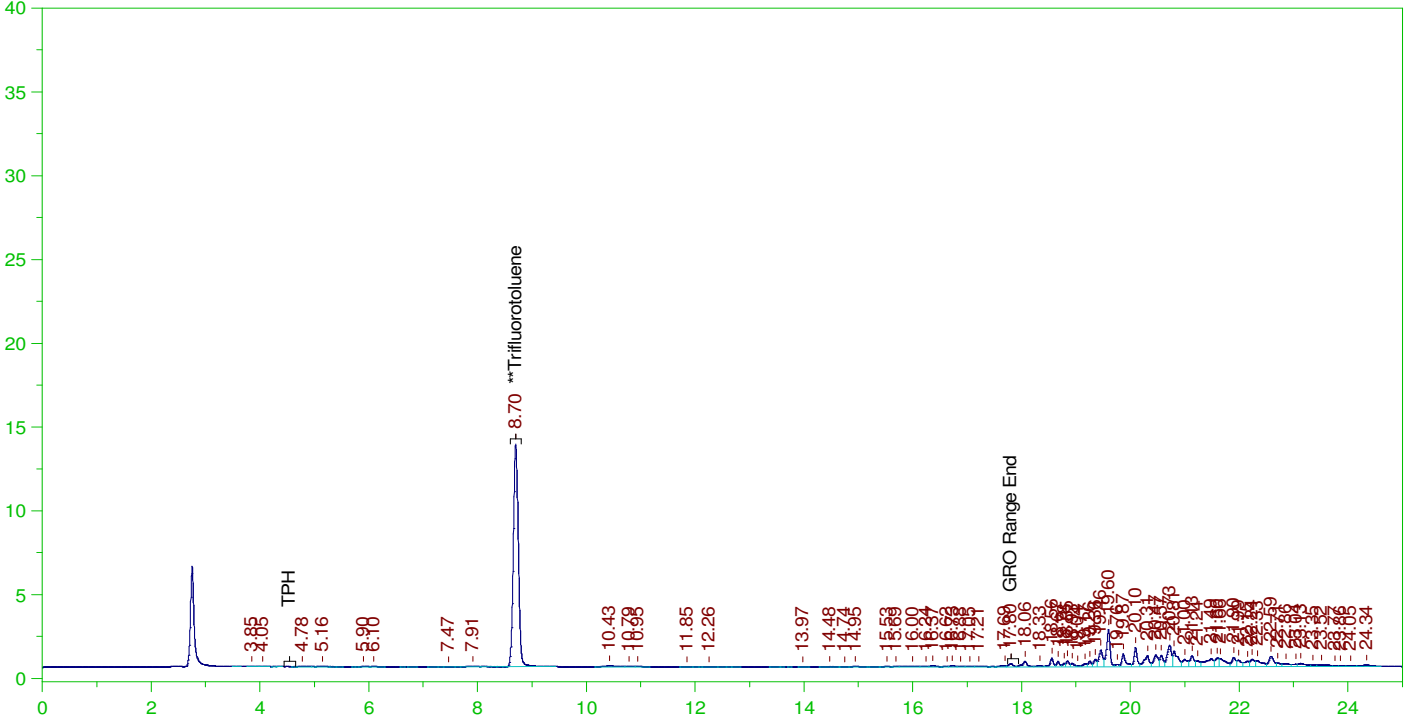
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.703	125.	102.531	82.03

C6 to C10 Area:2869.343 C6 to C10 Amount: 3.721309
 TPH Area:7597.021 TPH Amount: 10.515

ERH2514 (RHMW01R)

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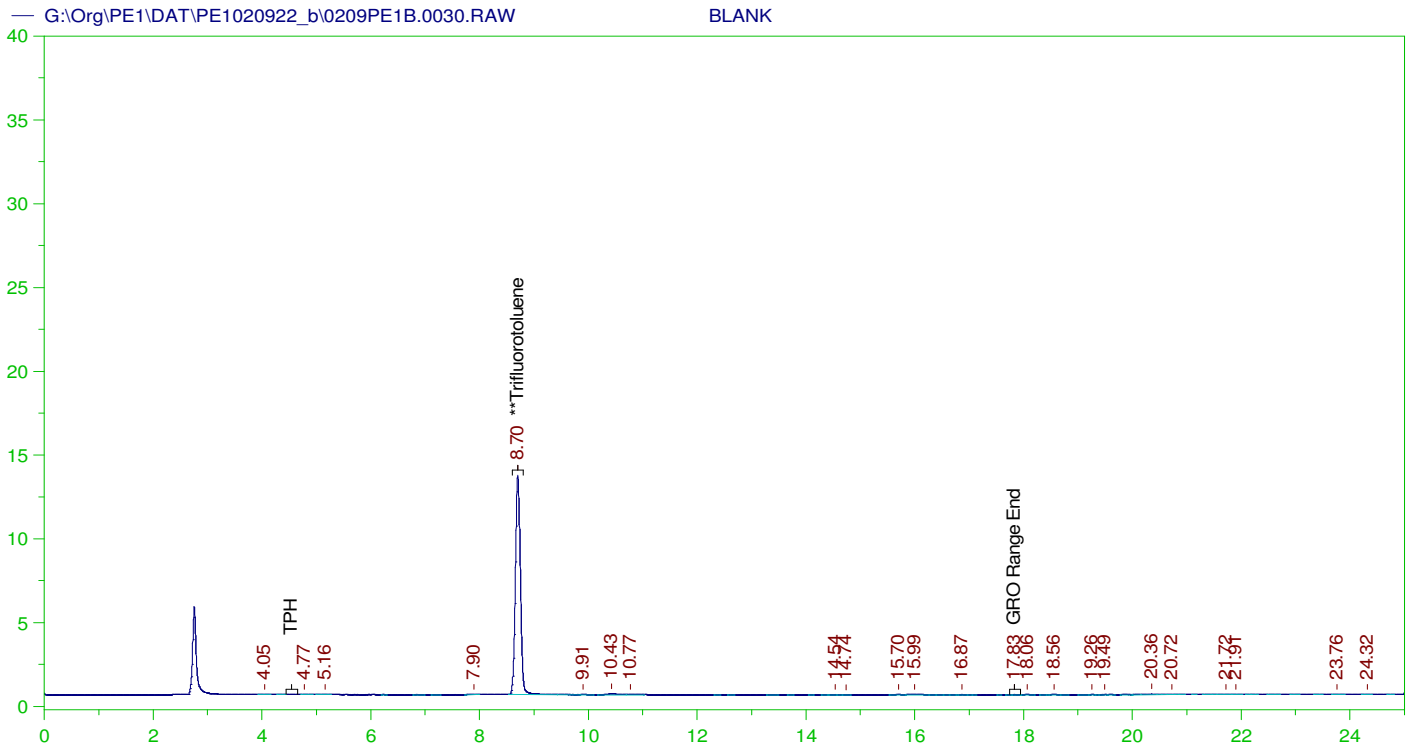
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22020415-006G ;0209PE1 , \$HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0029.RAW
Date & Time Acquired: 2/9/2022 11:37:21 PM
Method File: G:\Org\PE1\Methods\220203G415-6DoDB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.703	25.	20.455	81.82

C6 to C10 Area:7953.982 C6 to C10 Amount: 2.063137
TPH Area:111258.9 TPH Amount: 30.79859



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0030.RAW
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 Method File: G:\Org\PE1\Methods\220203GRO_DoDB%.MET
 Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
 Mean RF for TPH: 722.4935
 Rt range for Gasoline Range Organics: 4.45 to 17.94

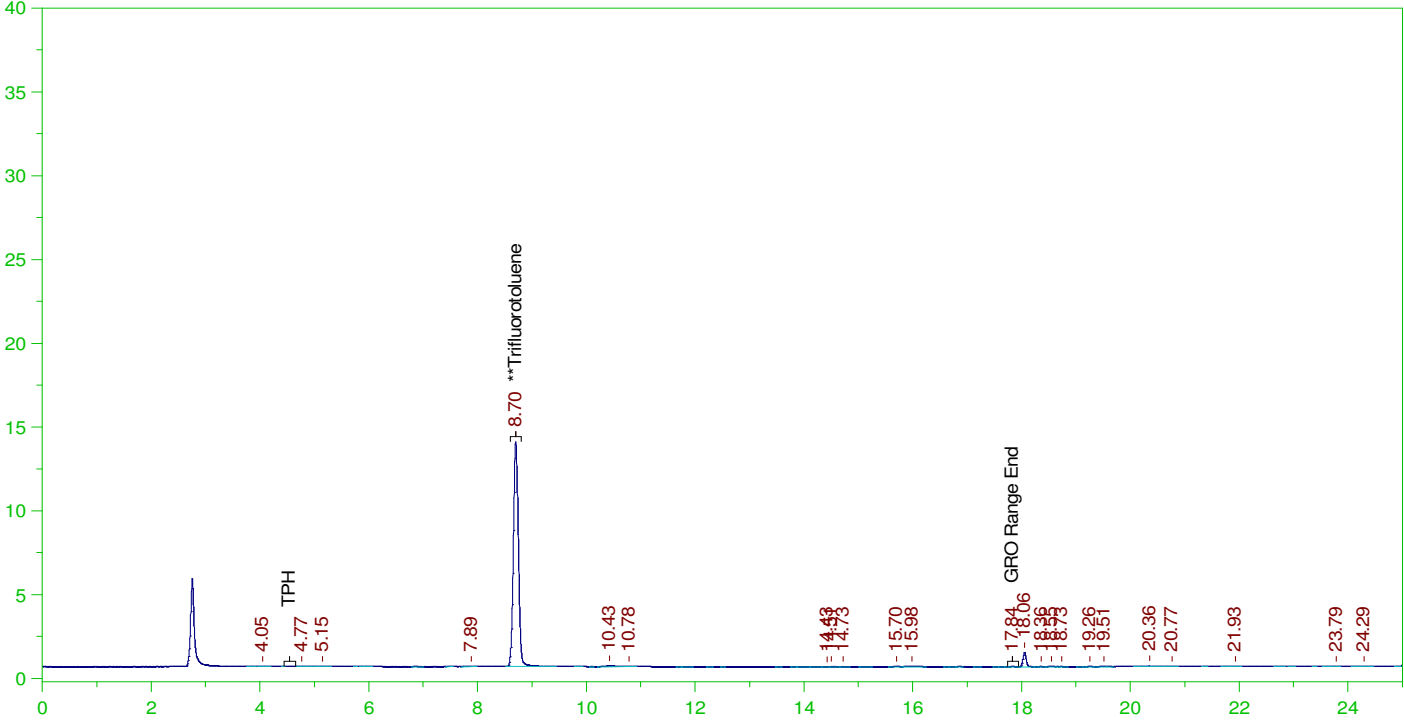
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.704	125.	100.973	80.78

C6 to C10 Area: 2691.627 C6 to C10 Amount: 3.490826
 TPH Area: 4335.337 TPH Amount: 6.00052

ERH2507 (OWDFMW07A)

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B22020415-011G ;0209PE1 , \$HC-8015-GRO-W,



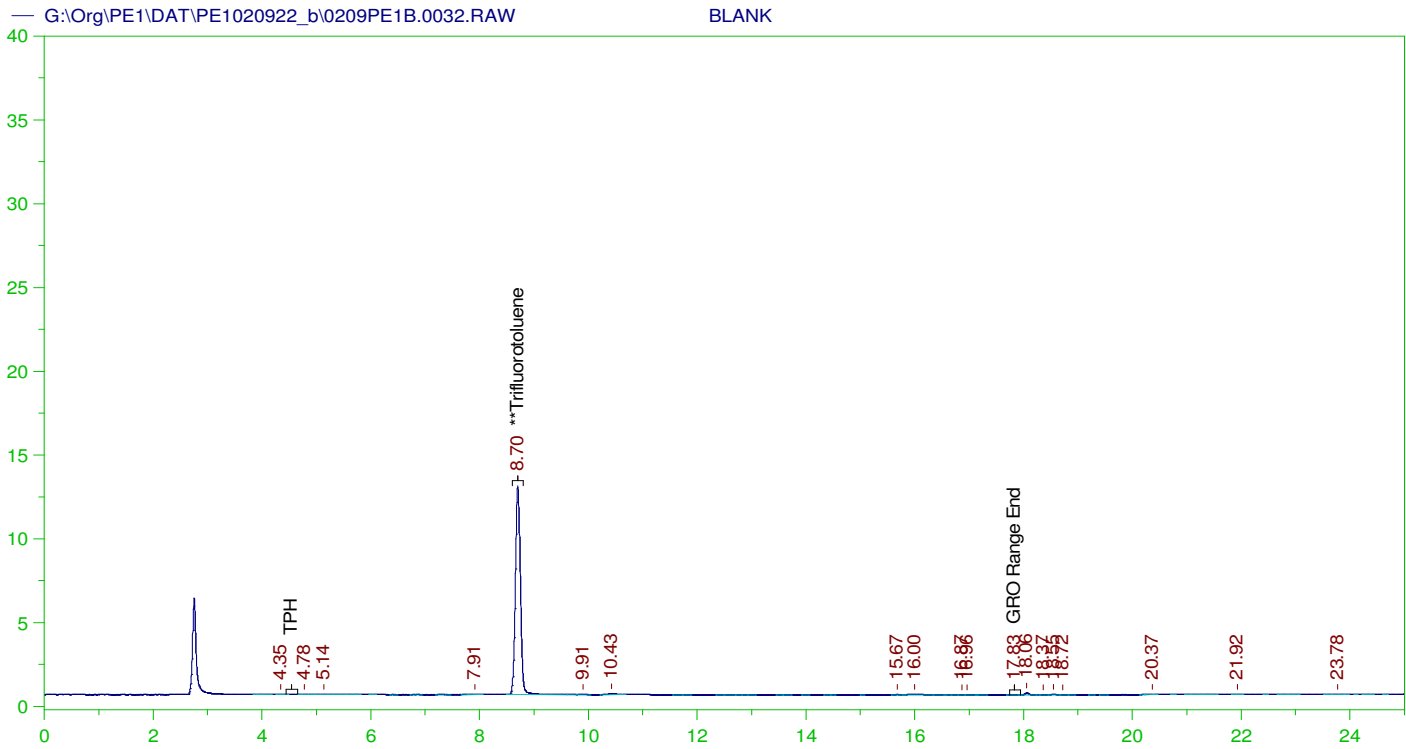
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22020415-011G ;0209PE1 , \$HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0031.RAW
Date & Time Acquired: 2/10/2022 12:45:54 AM
Method File: G:\Org\PE1\Methods\220203GRO_DoDB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.704	25.	20.649	82.6

C6 to C10 Area:2482.973 C6 to C10 Amount: 0.6440436
TPH Area:7445.45 TPH Amount: 2.061043



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0032.RAW
 Date & Time Acquired: 2/10/2022 1:20:08 AM
 Method File: G:\Org\PE1\Methods\220203GRO_DoDB%.MET
 Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
 Mean RF for TPH: 722.4935
 Rt range for Gasoline Range Organics: 4.45 to 17.94

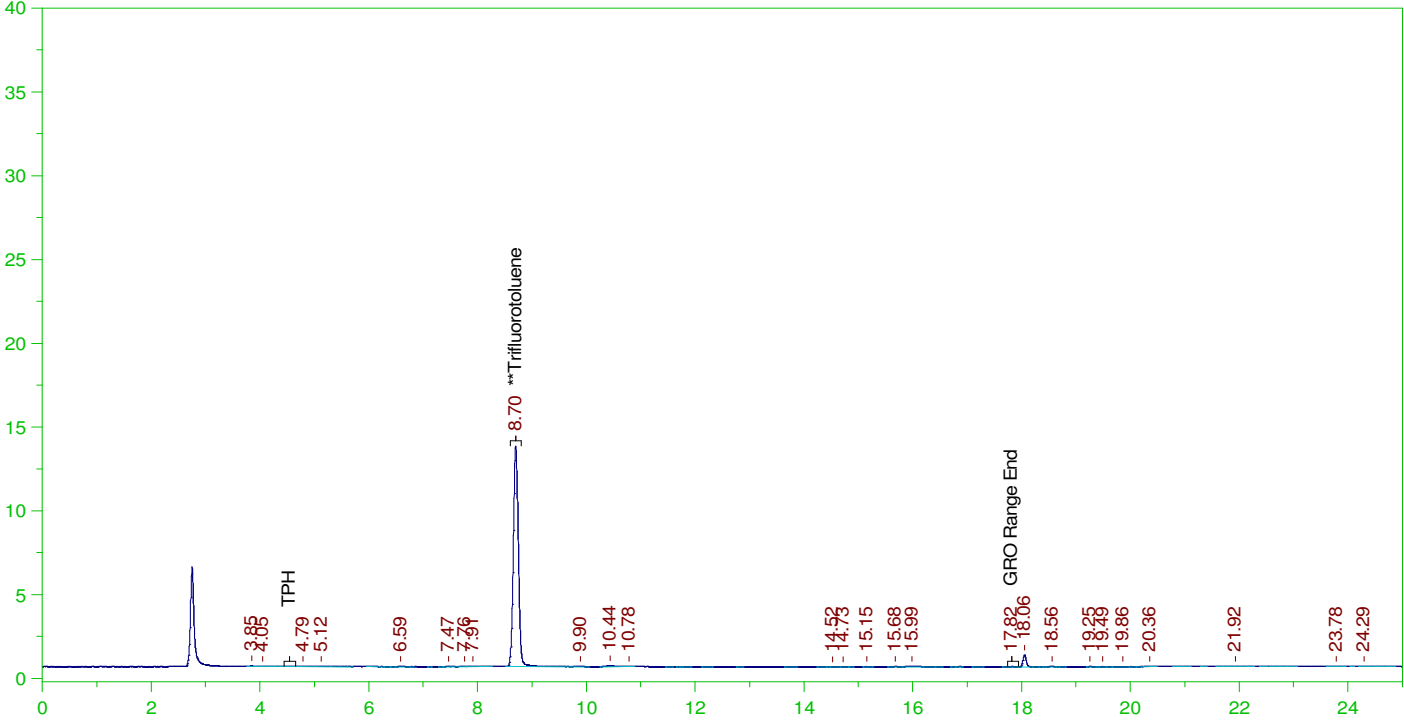
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.704	125.	96.109	76.89

C6 to C10 Area:2573.745 C6 to C10 Amount: 3.337943
 TPH Area:4334.129 TPH Amount: 5.998848

ERH2510 (OWDFMW08A)

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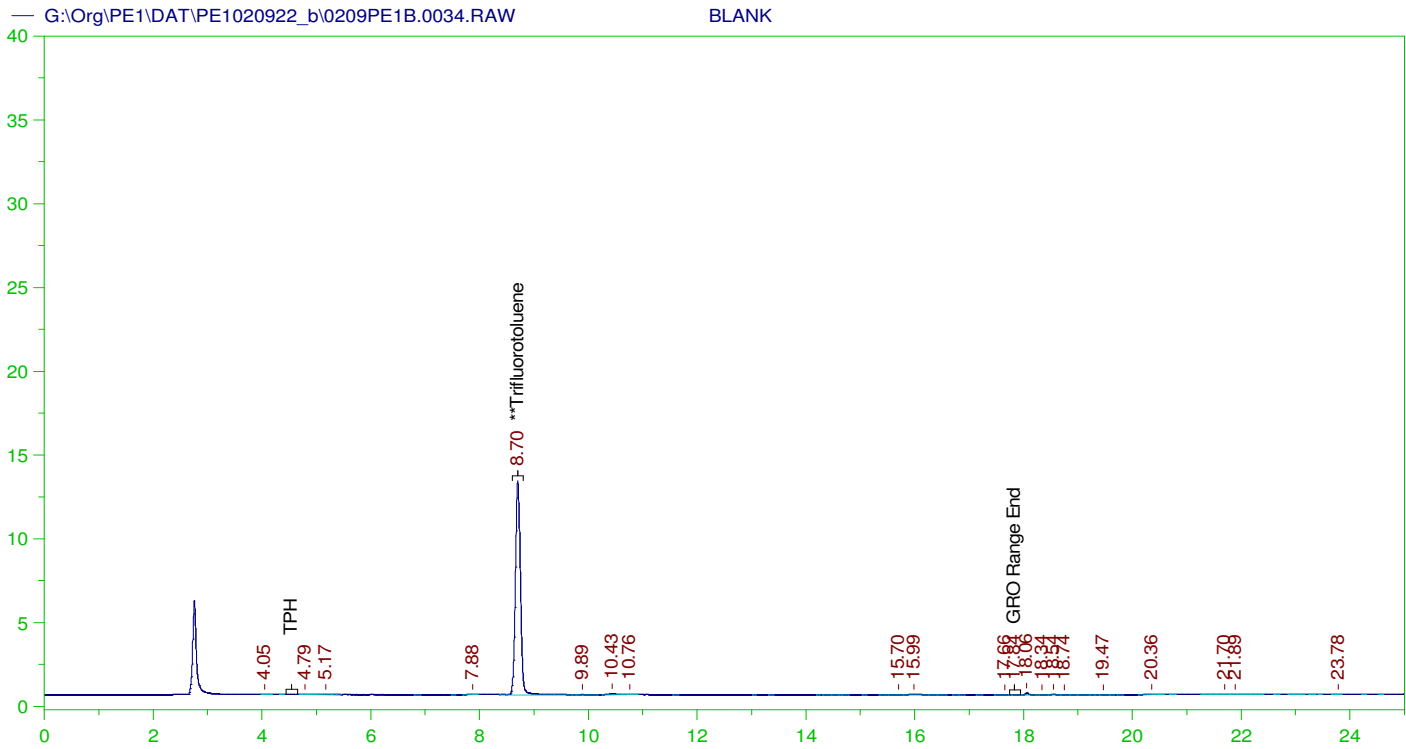
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22020415-016D ;0209PE1 , \$HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0033.RAW
Date & Time Acquired: 2/10/2022 1:54:20 AM
Method File: G:\Org\PE1\Methods\220203GRO_DoDB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.703	25.	20.342	81.37

C6 to C10 Area:3361.074 C6 to C10 Amount: 0.8718091
TPH Area:8000.52 TPH Amount: 2.214696



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0034.RAW
 Date & Time Acquired: 2/10/2022 2:28:36 AM
 Method File: G:\Org\PE1\Methods\220203GRO_DoDB%.MET
 Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
 Mean RF for TPH: 722.4935
 Rt range for Gasoline Range Organics: 4.45 to 17.94

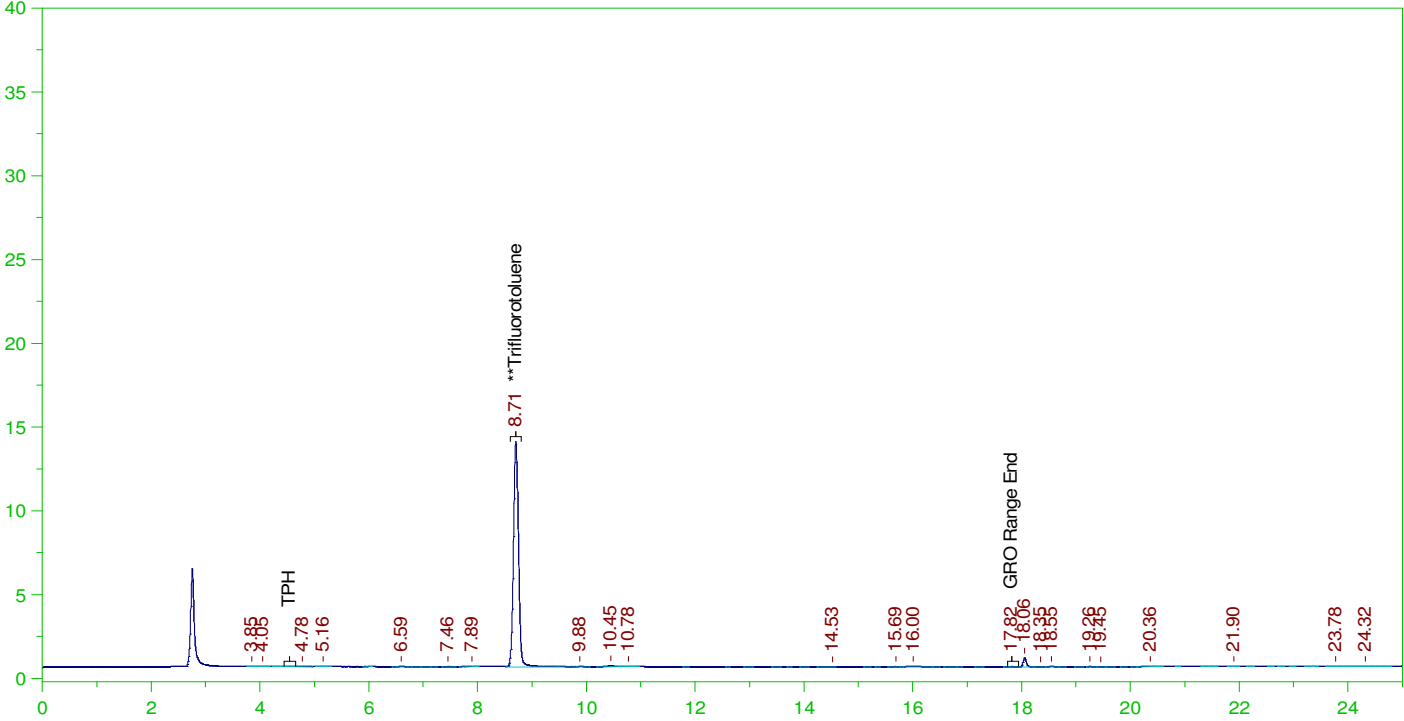
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.705	125.	98.354	78.68

C6 to C10 Area:2383.752 C6 to C10 Amount: 3.091537
 TPH Area:4130.592 TPH Amount: 5.717134

ERH2509 (OWDFMW08A)

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B22020415-017G ;0209PE1 , \$HC-8015-GRO-W,



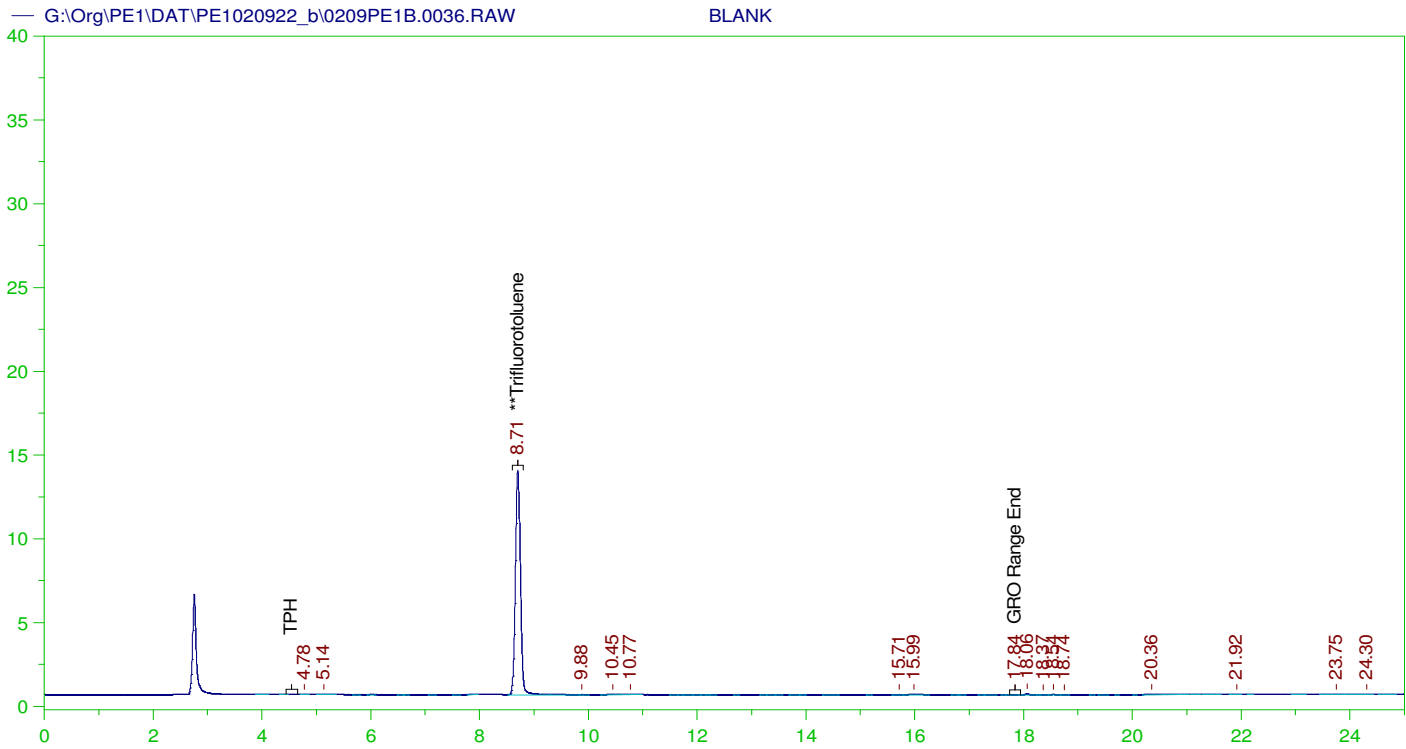
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22020415-017G ;0209PE1 , \$HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0035.RAW
Date & Time Acquired: 2/10/2022 3:02:50 AM
Method File: G:\Org\PE1\Methods\220203GRO_DoDB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.706	25.	20.712	82.85

C6 to C10 Area:2616.789 C6 to C10 Amount: 0.6787533
TPH Area:6382.077 TPH Amount: 1.766681



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0036.RAW
 Date & Time Acquired: 2/10/2022 3:37:04 AM
 Method File: G:\Org\PE1\Methods\220203GRO_DoDB%.MET
 Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
 Mean RF for TPH: 722.4935
 Rt range for Gasoline Range Organics: 4.45 to 17.94

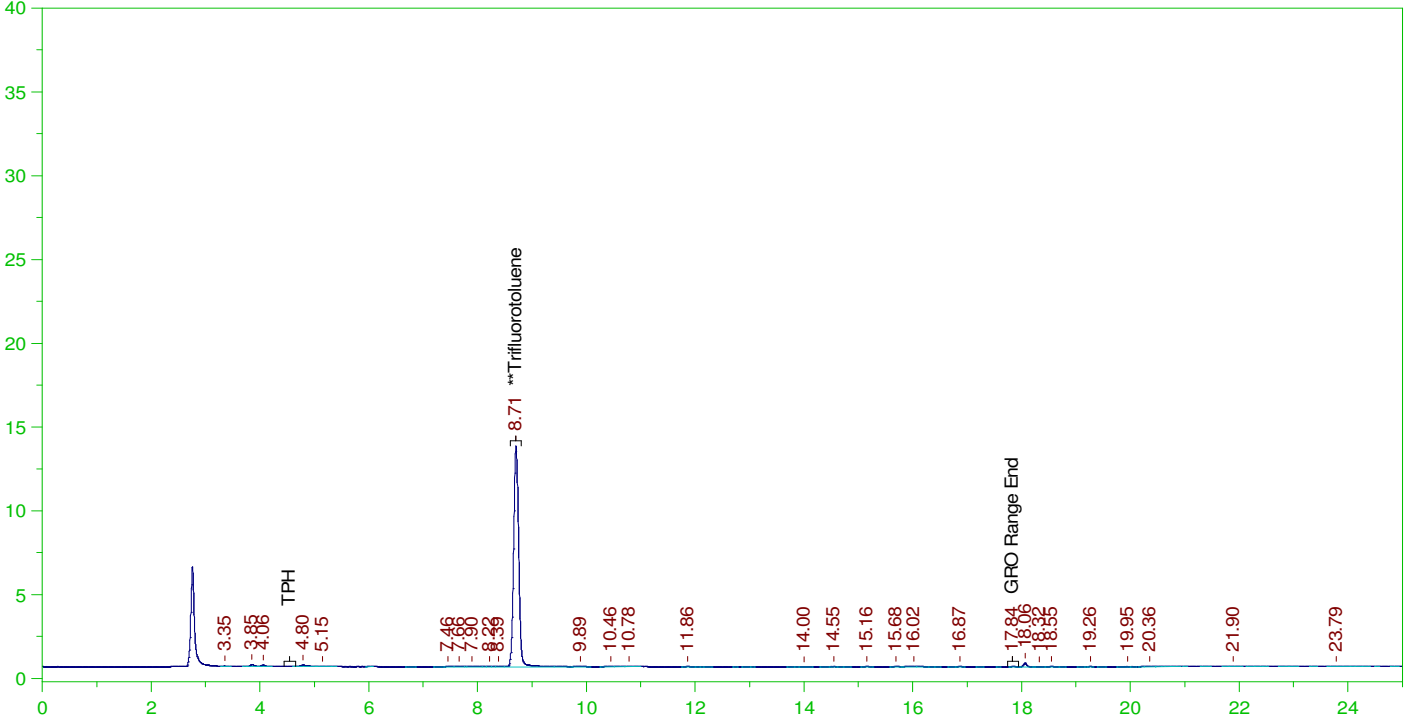
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.705	125.	103.329	82.66

C6 to C10 Area:1876.41 C6 to C10 Amount: 2.433554
 TPH Area:3374.862 TPH Amount: 4.671131

ERH2512 (RHMW19)

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B22020415-022G ;0209PE1 , \$HC-8015-GRO-W,



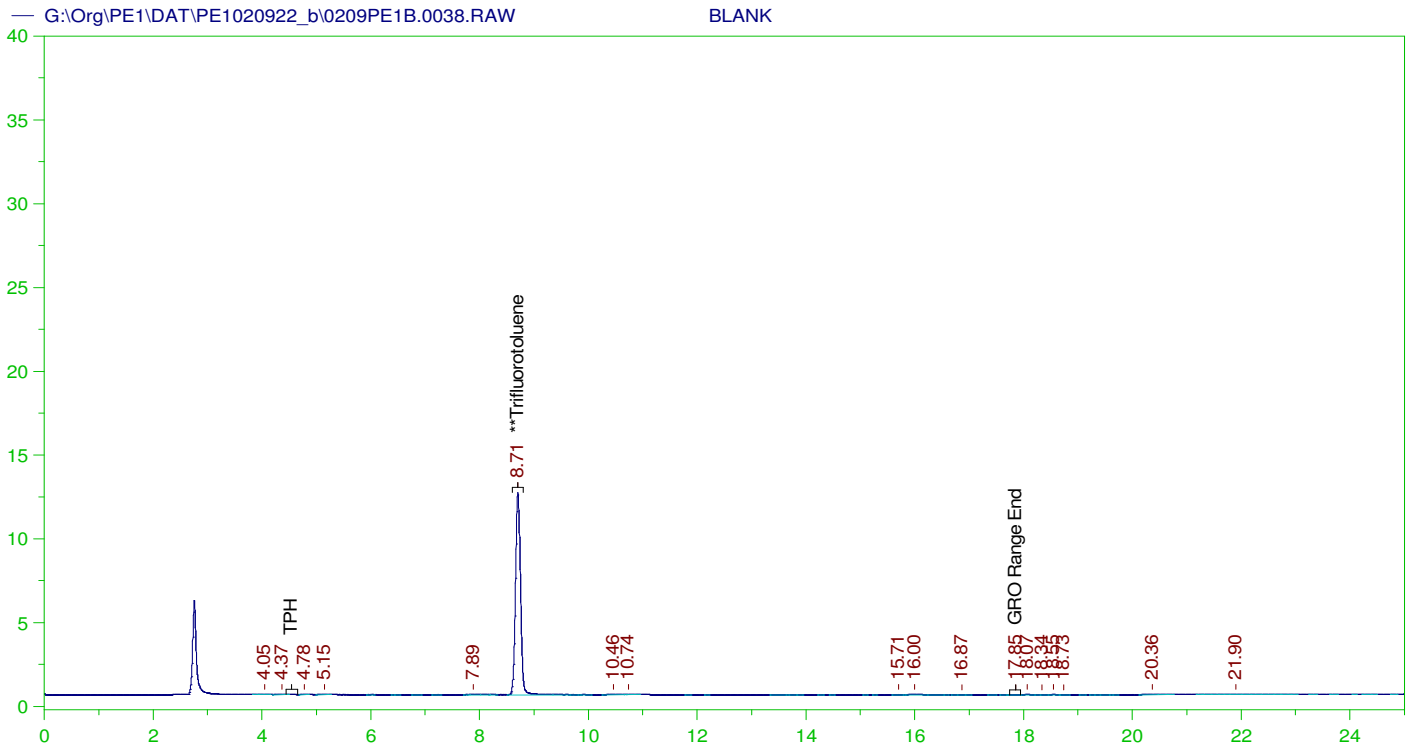
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22020415-022G ;0209PE1 , \$HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0037.RAW
Date & Time Acquired: 2/10/2022 4:11:20 AM
Method File: G:\Org\PE1\Methods\220203GRO_DoDB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.709	25.	20.4	81.6

C6 to C10 Area:3633.385 C6 to C10 Amount: 0.9424422
TPH Area:7034.321 TPH Amount: 1.947234



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0038.RAW
 Date & Time Acquired: 2/10/2022 4:45:40 AM
 Method File: G:\Org\PE1\Methods\220203GRO_DoDB%.MET
 Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
 Mean RF for TPH: 722.4935
 Rt range for Gasoline Range Organics: 4.45 to 17.94

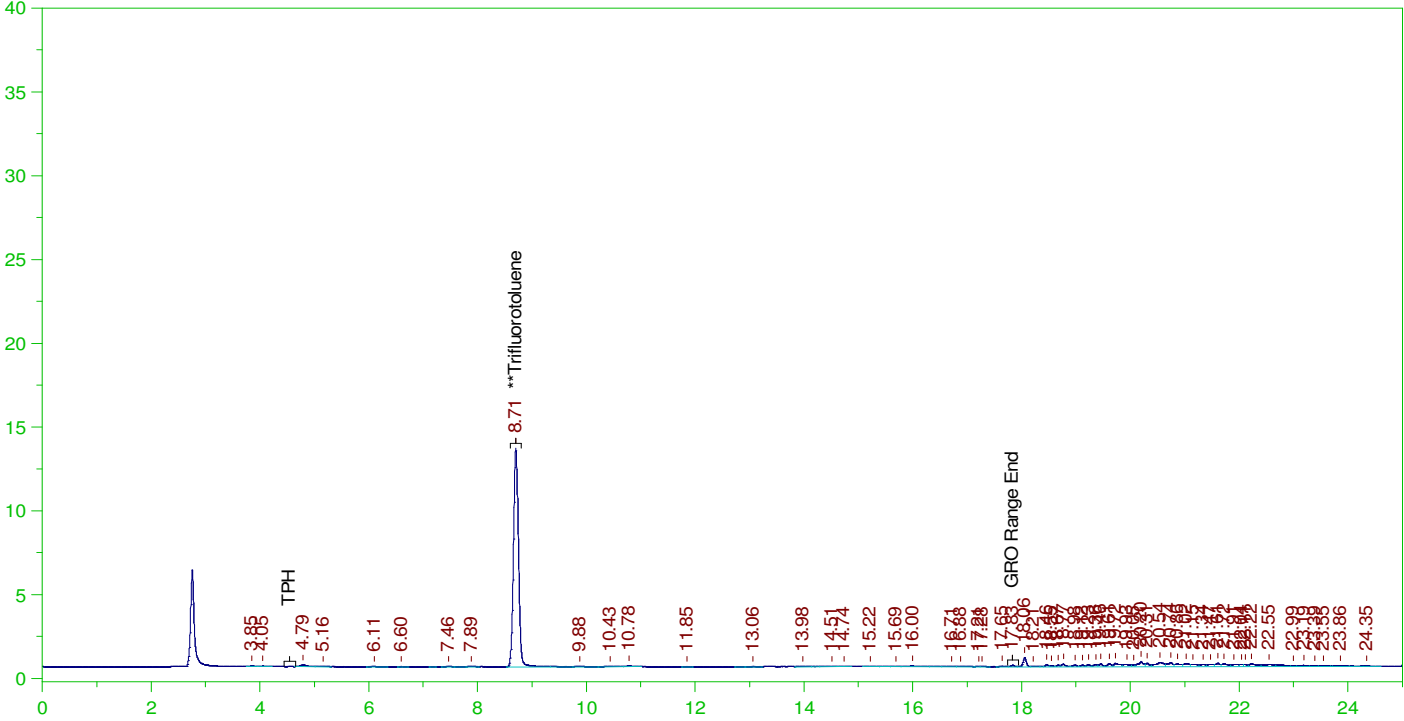
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.706	125.	93.059	74.45

C6 to C10 Area:2035.843 C6 to C10 Amount: 2.640326
 TPH Area:3607.49 TPH Amount: 4.993111

ERH2516 (RHMW2254-01 Bailer)

G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0039.RAW

B22020415-027G ;0209PE1 , \$HC-8015-GRO-W,



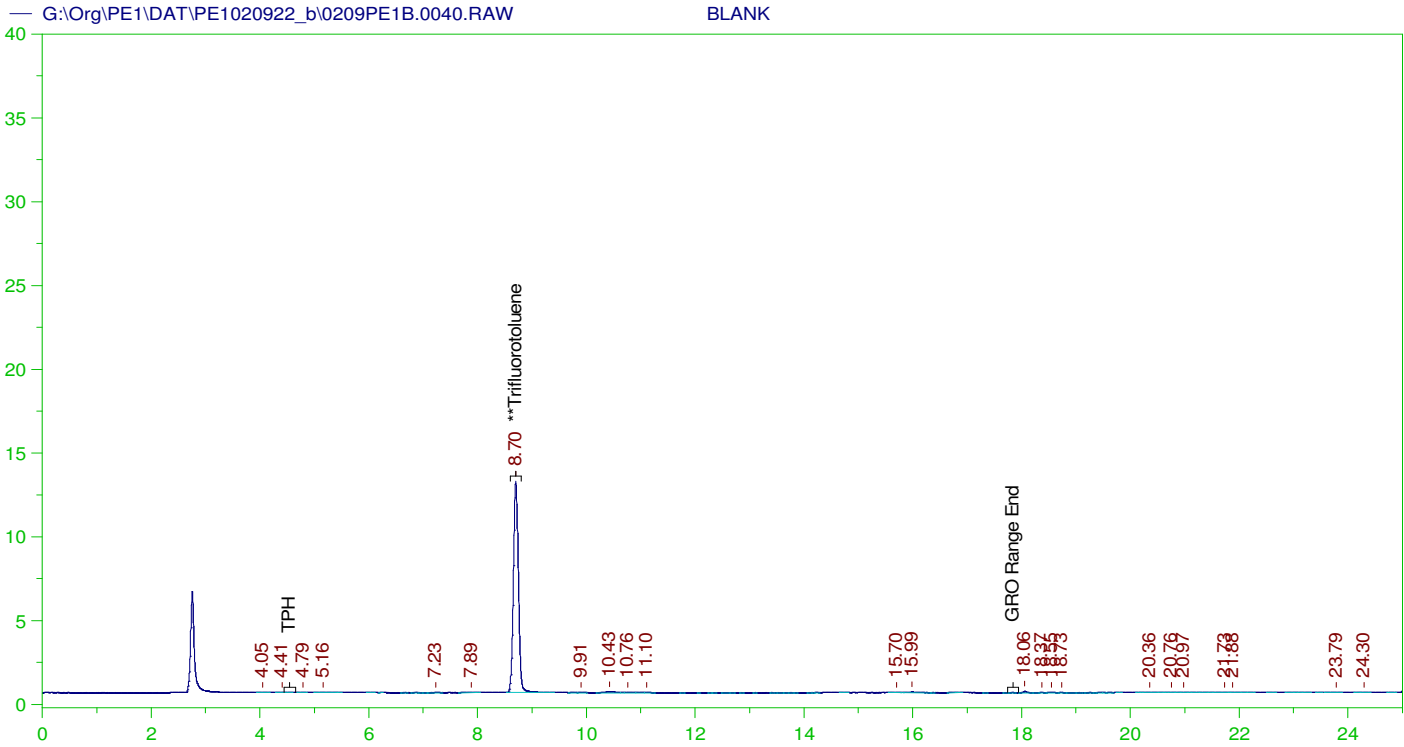
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22020415-027G ;0209PE1 , \$HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0039.RAW
Date & Time Acquired: 2/10/2022 5:19:58 AM
Method File: G:\Org\PE1\Methods\220203G415-27DoDB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.706	25.	20.065	80.26

C6 to C10 Area:5436.918 C6 to C10 Amount: 1.41025
TPH Area:38849.62 TPH Amount: 10.75432



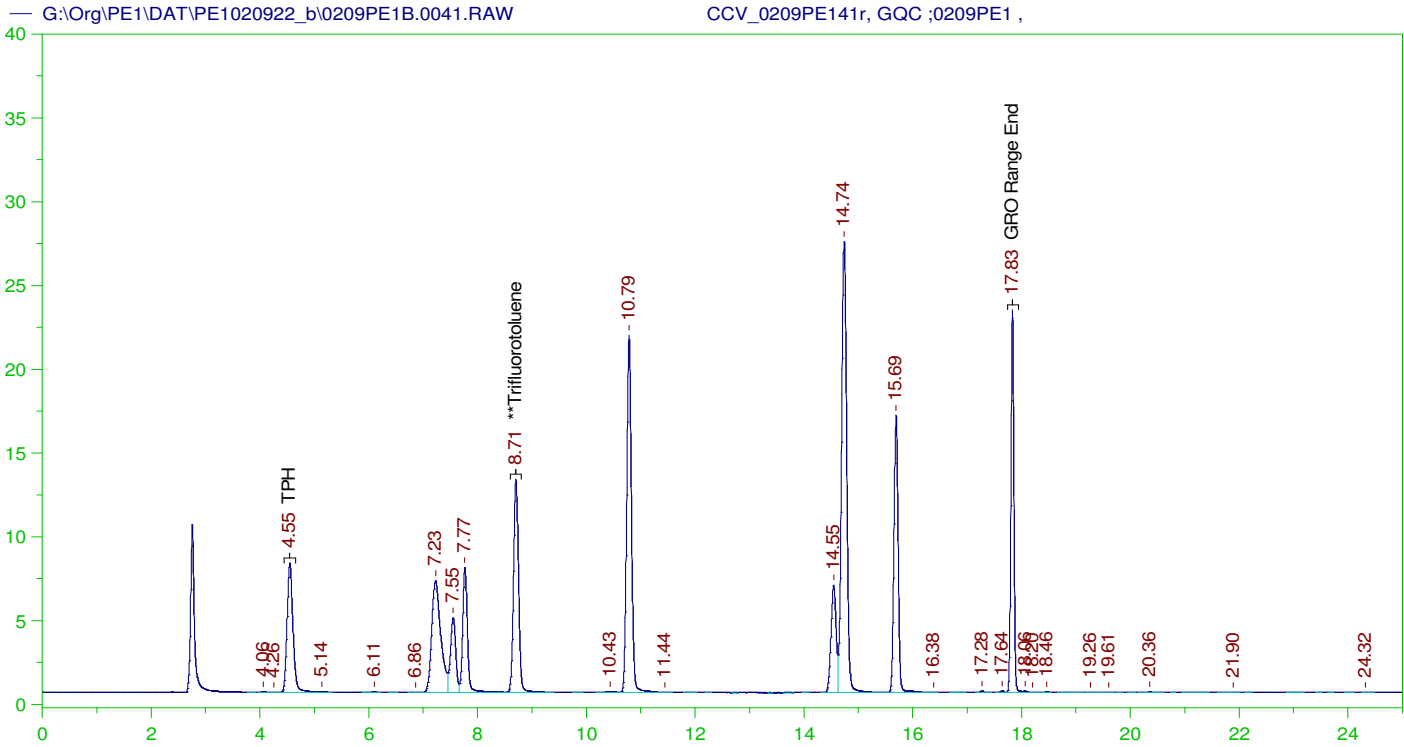
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0040.RAW
 Date & Time Acquired: 2/10/2022 5:54:20 AM
 Method File: G:\Org\PE1\Methods\220203GRO_DoDB%.MET
 Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
 Mean RF for TPH: 722.4935
 Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.704	125.	96.911	77.53

C6 to C10 Area: 2859.38 C6 to C10 Amount: 3.708389
 TPH Area: 4968.378 TPH Amount: 6.876709



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_0209PE141r, GQC ;0209PE1 ,
Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0041.RAW
Date & Time Acquired: 2/10/2022 6:28:37 AM
Method File: G:\Org\PE1\Methods\220203GRO_DoDB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

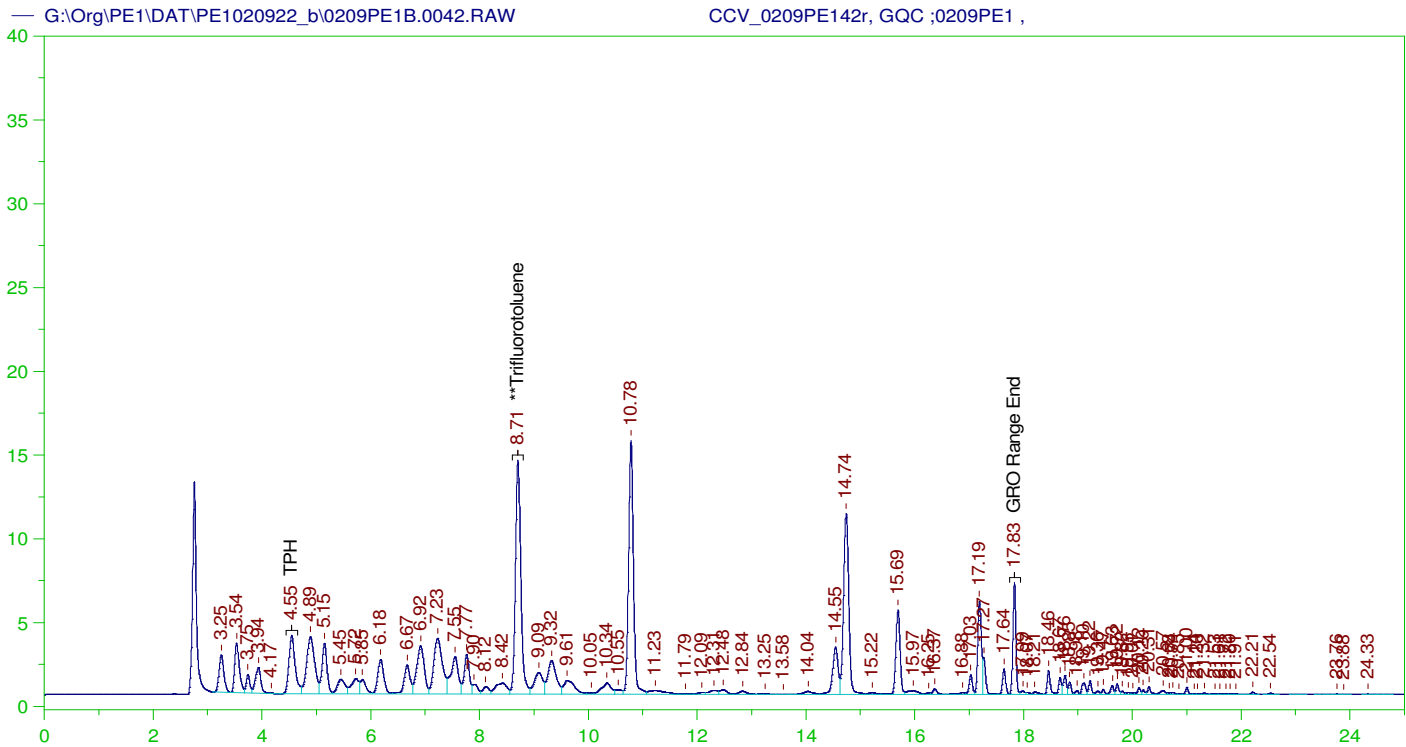
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.707	125.	97.87	78.3

C6 to C10 Area: 743812.5 C6 to C10 Amount: 964.6656
TPH Area: 745497.1 TPH Amount: 1031.839

CONTINUING CALIBRATION REPORT: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0041.RAW

COMPOUND	ACTUAL (NG)	MEASURED (NG)	%RECOVERY	LIMITS
C6 to C10	840.	964.67	114.84	85-115
TPH	1000.	1031.84	103.18	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	8.707	125.	97.87	78.3	85-115



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_0209PE142r, GQC ;0209PE1 ,
 Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0042.RAW
 Date & Time Acquired: 2/10/2022 7:02:54 AM
 Method File: G:\Org\PE1\Methods\220203GCCV0209_42DoDB%.MET
 Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
 Mean RF for TPH: 722.4935
 Rt range for Gasoline Range Organics: 4.45 to 17.94

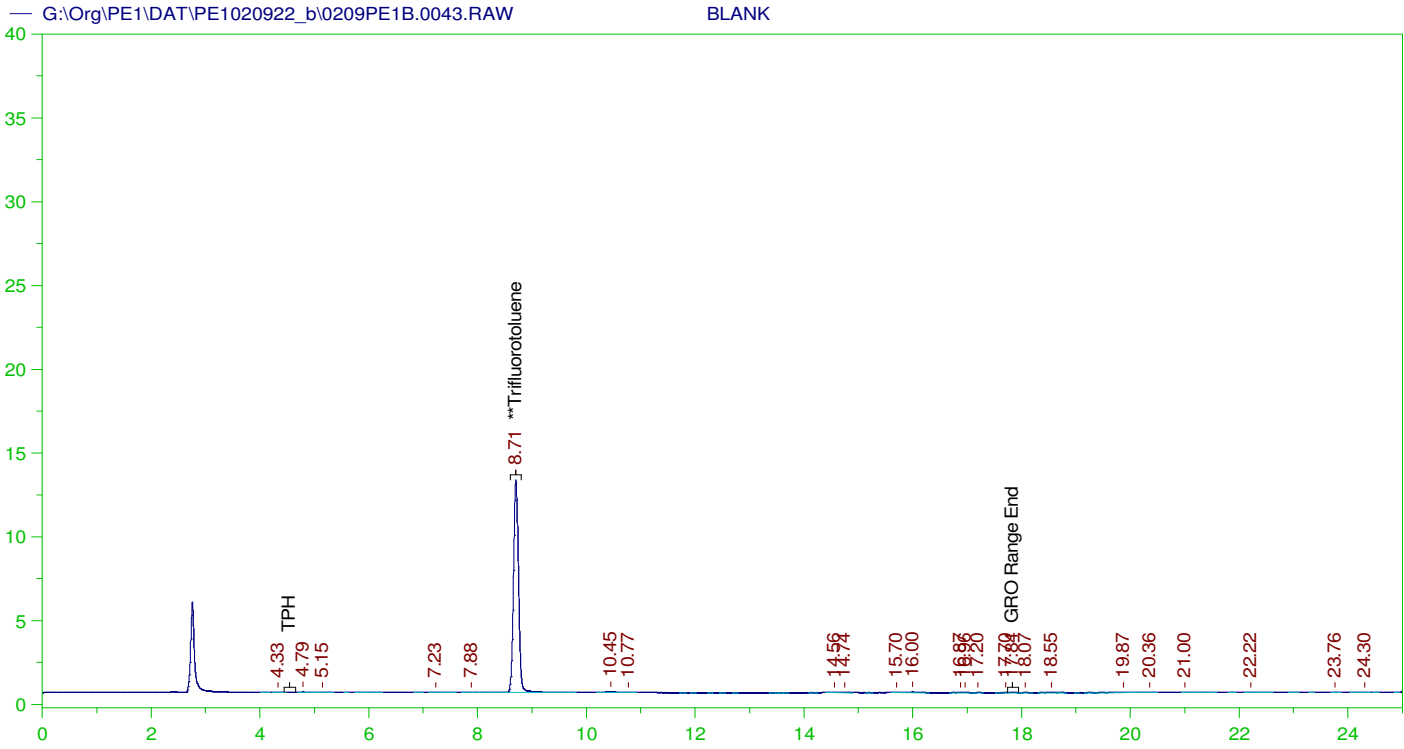
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.707	125.	115.564	92.45	-

C6 to C10 Area:621725.1 C6 to C10 Amount: 806.3279
 TPH Area:714192.9 TPH Amount: 988.5112

CONTINUING CALIBRATION REPORT: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0042.RAW

COMPOUND	ACTUAL (NG)	MEASURED (NG)	%RECOVERY	LIMITS
C6 to C10	840.	806.33	95.99	85-115
TPH	1000.	988.51	98.85	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	8.707	125.	115.564	92.45	85-115



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0043.RAW
 Date & Time Acquired: 2/10/2022 7:37:30 AM
 Method File: G:\Org\PE1\Methods\220203GRO_DoDB%.MET
 Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
 Mean RF for TPH: 722.4935
 Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.706	125.	97.773	78.22

C6 to C10 Area: 2971.72 C6 to C10 Amount: 3.854085
 TPH Area: 4266.553 TPH Amount: 5.905316

Write Sequence	Insert Entries(Have the first cell for entries selecte	Method	Weight	Dil Factor	Amt Inj.	IS	Cal ID	Manual Integrations
Data File	Sample Name							
G:\Org\PE1\DAT\PE1020922_b\0209PE1.01r	BLANK	G:\Org\PE1\Methods\22020	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1020922_b\0209PE1.02r	BLANK	G:\Org\PE1\Methods\22020	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1020922_b\0209PE1.03r	CCV_0209PE103r, GQC ;0209PE1 ,	G:\Org\PE1\Methods\22020	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1020922_b\0209PE1.04r	CCV_0209PE104r, GQC ;0209PE1 ,	G:\Org\PE1\Methods\22020	1	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons.
G:\Org\PE1\DAT\PE1020922_b\0209PE1.05r	LCS_0209PE105r, GQC ;0209PE1 ,	G:\Org\PE1\Methods\22020	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons.
G:\Org\PE1\DAT\PE1020922_b\0209PE1.06r	MBLK_0209PE106r, QC ;0209PE1 ,	G:\Org\PE1\Methods\22020	5	1	1	1	0	None
G:\Org\PE1\DAT\PE1020922_b\0209PE1.07r	B22020415-034A ;0209PE1 , \$HC-8015-GRO-W,	G:\Org\PE1\Methods\22020	5	1	1	1	0	None
G:\Org\PE1\DAT\PE1020922_b\0209PE1.08r	B22020415-032G ;0209PE1 , \$HC-8015-GRO-W,	G:\Org\PE1\Methods\22020	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons.
G:\Org\PE1\DAT\PE1020922_b\0209PE1.09r	BLANK	G:\Org\PE1\Methods\22020	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1020922_b\0209PE1.10r	B22020415-003A ;0209PE1 , \$HC-8015-GRO-W,	G:\Org\PE1\Methods\22020	5	1	1	1	0	None
G:\Org\PE1\DAT\PE1020922_b\0209PE1.11r	B22020415-008A ;0209PE1 , \$HC-8015-GRO-W,	G:\Org\PE1\Methods\22020	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons.
G:\Org\PE1\DAT\PE1020922_b\0209PE1.12r	B22020415-013A ;0209PE1 , \$HC-8015-GRO-W,	G:\Org\PE1\Methods\22020	5	1	1	1	0	None
G:\Org\PE1\DAT\PE1020922_b\0209PE1.13r	B22020415-019A ;0209PE1 , \$HC-8015-GRO-W,	G:\Org\PE1\Methods\22020	5	1	1	1	0	None
G:\Org\PE1\DAT\PE1020922_b\0209PE1.14r	BLANK	G:\Org\PE1\Methods\22020	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1020922_b\0209PE1.15r	B22020415-024A ;0209PE1 , \$HC-8015-GRO-W,	G:\Org\PE1\Methods\22020	5	1	1	1	0	None
G:\Org\PE1\DAT\PE1020922_b\0209PE1.16r	BLANK	G:\Org\PE1\Methods\22020	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1020922_b\0209PE1.17r	B22020415-029A ;0209PE1 , \$HC-8015-GRO-W,	G:\Org\PE1\Methods\22020	5	1	1	1	0	None
G:\Org\PE1\DAT\PE1020922_b\0209PE1.18r	BLANK	G:\Org\PE1\Methods\22020	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1020922_b\0209PE1.19r	BLANK	G:\Org\PE1\Methods\22020	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1020922_b\0209PE1.20r	BLANK	G:\Org\PE1\Methods\22020	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1020922_b\0209PE1.21r	B22020415-032GMS, GQC ;0209PE1 , \$HC-8015-GRO-W,	G:\Org\PE1\Methods\22020	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons.
G:\Org\PE1\DAT\PE1020922_b\0209PE1.22r	B22020415-032GMSD, GQC ;0209PE1 , \$HC-8015-GRO-W,	G:\Org\PE1\Methods\22020	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons.
G:\Org\PE1\DAT\PE1020922_b\0209PE1.23r	CCV_0209PE123r, GQC ;0209PE1 ,	G:\Org\PE1\Methods\22020	1	1	1	1	0	None

G:\Org\PE1\DAT\PE1020922_b\0209PE1.24r	CCV_0209PE124r, GQC ;0209PE1 ,	G:\Org\PE1\Methods\22020	1	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons.
G:\Org\PE1\DAT\PE1020922_b\0209PE1.25r	LCS_0209PE125r, GQC ;0209PE1 ,	G:\Org\PE1\Methods\22020	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons.
G:\Org\PE1\DAT\PE1020922_b\0209PE1.26r	MBLK_0209PE126r, QC ;0209PE1 ,	G:\Org\PE1\Methods\22020	5	1	1	1	0	None
G:\Org\PE1\DAT\PE1020922_b\0209PE1.27r	B22020415-001G ;0209PE1 , \$HC-8015-GRO-W,	G:\Org\PE1\Methods\22020	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons.
G:\Org\PE1\DAT\PE1020922_b\0209PE1.28r	BLANK	G:\Org\PE1\Methods\22020	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1020922_b\0209PE1.29r	B22020415-006G ;0209PE1 , \$HC-8015-GRO-W,	G:\Org\PE1\Methods\22020	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons.
G:\Org\PE1\DAT\PE1020922_b\0209PE1.30r	BLANK	G:\Org\PE1\Methods\22020	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1020922_b\0209PE1.31r	B22020415-011G ;0209PE1 , \$HC-8015-GRO-W,	G:\Org\PE1\Methods\22020	5	1	1	1	0	None
G:\Org\PE1\DAT\PE1020922_b\0209PE1.32r	BLANK	G:\Org\PE1\Methods\22020	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1020922_b\0209PE1.33r	B22020415-016D ;0209PE1 , \$HC-8015-GRO-W,	G:\Org\PE1\Methods\22020	5	1	1	1	0	None
G:\Org\PE1\DAT\PE1020922_b\0209PE1.34r	BLANK	G:\Org\PE1\Methods\22020	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1020922_b\0209PE1.35r	B22020415-017G ;0209PE1 , \$HC-8015-GRO-W,	G:\Org\PE1\Methods\22020	5	1	1	1	0	None
G:\Org\PE1\DAT\PE1020922_b\0209PE1.36r	BLANK	G:\Org\PE1\Methods\22020	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1020922_b\0209PE1.37r	B22020415-022G ;0209PE1 , \$HC-8015-GRO-W,	G:\Org\PE1\Methods\22020	5	1	1	1	0	None
G:\Org\PE1\DAT\PE1020922_b\0209PE1.38r	BLANK	G:\Org\PE1\Methods\22020	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1020922_b\0209PE1.39r	B22020415-027G ;0209PE1 , \$HC-8015-GRO-W,	G:\Org\PE1\Methods\22020	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons.
G:\Org\PE1\DAT\PE1020922_b\0209PE1.40r	BLANK	G:\Org\PE1\Methods\22020	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1020922_b\0209PE1.41r	CCV_0209PE141r, GQC ;0209PE1 ,	G:\Org\PE1\Methods\22020	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1020922_b\0209PE1.42r	CCV_0209PE142r, GQC ;0209PE1 ,	G:\Org\PE1\Methods\22020	1	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons.
G:\Org\PE1\DAT\PE1020922_b\0209PE1.43r	BLANK	G:\Org\PE1\Methods\22020	1	1	1	1	0	None

Josie M Pickard
Chemist

Digitally signed by
Josie Pickard
Date: 2022.02.19 08:46:13 -07:00



Analytical RunID PE 1_220131A Standards Traceability Report

Standard ID: 3GAS160127

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

Prep Date: 1/27/2016

Exp Date: 6/7/2023

Department: GCVOA

Vendor: Accustandard

Lot Number: 213051468

Balance ID:

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

Type: Neat

Prep By: Josie Pickard

Status: New

Final Volume: 5 mL

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



Analytical RunID PE 1_220131A Standards Traceability Report

Standard ID: GAS220104

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

Prep Date: 1/4/2022

Exp Date: 6/7/2023

Department: GCVOA

Vendor:

Lot Number:

Balance ID:

Comments: Concentration : 4.2ug/ul

Type: Secondary

Prep By: Josie Pickard

Status: New

Final Volume: 10 mL

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

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



Analytical RunID PE 1_220131A Standards Traceability Report

Standard ID: GASH210122

Standard Name: Unleaded Gasoline Composite

Prep Date: 1/22/2021

Exp Date: 6/7/2023

Department: GCVOA

Vendor:

Lot Number:

Balance ID:

Comments: Concentration : 50,000 ug/ml

Type: Primary

Prep By: Josie Pickard

Status: New

Final Volume: 10 mL

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

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



Analytical RunID PE 1_220131A Standards Traceability Report

Standard ID: GASL220131

Standard Name: Low Gasoline Std.

Prep Date: 1/31/2022

Exp Date: 6/7/2023

Department: GCVOA

Vendor:

Lot Number:

Balance ID:

Comments: concentration 0.42ug/ul

Type: Secondary

Prep By: Josie Pickard

Status: Open

Final Volume: 1 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Methanol, Purge and Trap EB373	<u>14519</u>	0.9	mL	6/7/2023

Stock Source	Base Units	Amount Added
GAS220104	ug/mL	0.1 mL



Analytical RunID PE 1_220131A Standards Traceability Report

Standard ID: GQC211012

Standard Name: Gasoline Composite Mix (1.68uL)

Prep Date: 10/12/2021

Exp Date: 4/2/2030

Department: GCVOA

Vendor: Accustandard

Lot Number: 220031562

Balance ID:

Comments: 5000 ug/mL in MeOH Date prepared is date received; Assay run 4/1/21 on Pe1 GRO range equals 85% jmp

Type: Primary

Prep By: Josie Pickard

Status: New

Final Volume: 5 mL

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

Stock Source	Base Units	Amount Added
GQC211012	ug/mL	



Analytical RunID PE 1_220131A Standards Traceability Report

Standard ID: GROS200921

Standard Name: Gro Stock Standard Mt.Gro

Prep Date: 9/21/2020

Exp Date: 3/28/2029

Department: GCVOA

Vendor: Accustandard

Lot Number: 219031408

Balance ID:

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

Type: Primary

Prep By: Josie Pickard

Status: Open

Final Volume: 2 mL

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

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



Analytical RunID PE 1_220131A Standards Traceability Report

Standard ID: TFT220131

Standard Name: TFT (1.05uL)

Prep Date: 1/31/2022

Exp Date: 9/10/2029

Department: GCVOA

Vendor:

Lot Number:

Balance ID:

Comments: Final concentration : 1.0mg/mL

Type: Secondary

Prep By: Josie Pickard

Status: New

Final Volume: 2 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Methanol, Purge and Trap EB373	<u>14519</u>	1.9	mL	9/10/2029

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



Analytical RunID PE 1_220131A Standards Traceability Report

Standard ID: TFTL220131

Standard Name: TFTL

Prep Date: 1/31/2022

Exp Date: 9/10/2029

Department: GCVOA

Vendor:

Lot Number:

Balance ID:

Comments: Final concentration :0.01mg/mL

Type: Secondary

Prep By: Josie Pickard

Status: New

Final Volume: 1 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Methanol, Purge and Trap EB373	<u>14519</u>	0.9	mL	9/10/2029

Stock Source	Base Units	Amount Added
TFTM220131	ug/mL	0.1 mL



Analytical RunID PE 1_220131A Standards Traceability Report

Standard ID: TFTM220131

Standard Name: TFTM

Prep Date: 1/31/2022

Exp Date: 9/10/2029

Department: GCVOA

Vendor:

Lot Number:

Balance ID:

Comments: Final concentration :0.1mg/mL

Type: Secondary

Prep By: Josie Pickard

Status: New

Final Volume: 1 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Methanol, Purge and Trap EB373	<u>14519</u>	0.9	mL	9/10/2029

Stock Source	Base Units	Amount Added
TFT220131	ug/mL	0.1 mL



Analytical RunID PE 1_220131A Standards Traceability Report

Standard ID: TFTS210607

Standard Name: TFT Stock

Prep Date: 6/7/2021

Exp Date: 9/10/2029

Department: GCVOA

Vendor: Accustandard

Lot Number: 219091095

Balance ID:

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

Type: Primary

Prep By: Josie Pickard

Status: New

Final Volume: 10 mL

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

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

Date Certified: Jun 7, 2013

Expiration: Jun 7, 2023

Sample Size: 1 mL

Components: 3

Storage Condition: Ambient (>5 °C)

Included on ISO/IEC 17025 Scope of Accreditation: Yes

Included on ISO Guide 34 Scope of Accreditation: Yes



Danger 2

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

ID #: 8120

Opened:

Alaska Gasoline Calibration Mix Version 4/8/02

Expires: 6/7/2023

Rec'd: 1/27/2016

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

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

* All weights are traceable through NIST, Test No. 822-275872-11

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

Labels and certificates follow U.S. Conventions in reporting numerical values:

A comma (,) is used to separate units of one-thousand or greater.

A period (.) is used as a decimal place marker.

See reverse side for additional information.

Certified by:

Larry Decker, Organic QC Manager

Page 1 of 1

For use in routine laboratory analysis.

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

OR-OR-010-001
Rev. 011

CERTIFICATE OF ANALYSIS

Catalog No: GRO-AK-101-GCS
Description: Gasoline Composite Mix
Lot: 220031562

Solvent: Methanol
Hazards: Refer to SDS for complete safety information

Date Certified: Apr 2, 2020

Expiration: Apr 2, 2030

Sample Size: 1 mL

Components: 3

Storage Condition: Ambient (>5 °C)



Signal Word: Danger

Certified Reference Material



Component	CAS #	Purity % (GC/MS)	Prepared Concentration ² (µg/mL)	Certified Analyte Concentration ¹ (µg/mL)
Gasoline - Premium, unleaded	N/A	Tech Mix	1660	1660
Gasoline - Regular, leaded	N/A	Tech Mix	1674	1674
Gasoline - Regular, unleaded	N/A	Tech Mix	1673	1673

ID #: 14373

Opened: _____

Gasoline Composite Mix

Expires: 4/2/2030

Rec'd: 10/12/2021

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.

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

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

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

Certified By: _____

Larry Decker, Organic QC Manager

CERTIFICATE OF ANALYSIS

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

Solvent: Methanol

Hazards: Refer to SDS for complete safety information

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



Signal Word: Danger

Certified Reference Material



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

ID #: 13921

Opened: _____

a,a,a-Trifluorotoluene

Expires: 9/10/2029

Rec'd: 6/7/2021

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

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

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

¹ Certified Analyte Concentration = Purity x Prepared Concentration.

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

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

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

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

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

Certified By: _____

Larry Decker, Organic QC Manager



Analytical RunID PE 1_220209A Standards Traceability Report

Standard ID: 3GAS160127

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

Prep Date: 1/27/2016

Exp Date: 6/7/2023

Department: GCVOA

Vendor: Accustandard

Lot Number: 213051468

Balance ID:

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

Type: Neat

Prep By: Josie Pickard

Status: New

Final Volume: 5 mL

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

Stock Source	Base Units	Amount Added
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Analytical RunID PE 1_220209A Standards Traceability Report

Standard ID: GAS220104

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

Prep Date: 1/4/2022

Exp Date: 6/7/2023

Department: GCVOA

Vendor:

Lot Number:

Balance ID:

Comments: Concentration : 4.2ug/ul

Type: Secondary

Prep By: Josie Pickard

Status: New

Final Volume: 10 mL

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

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



Analytical RunID PE 1_220209A Standards Traceability Report

Standard ID: GASH210122

Standard Name: Unleaded Gasoline Composite

Prep Date: 1/22/2021

Exp Date: 6/7/2023

Department: GCVOA

Vendor:

Lot Number:

Balance ID:

Comments: Concentration : 50,000 ug/ml

Type: Primary

Prep By: Josie Pickard

Status: New

Final Volume: 10 mL

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

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



Analytical RunID PE 1_220209A Standards Traceability Report

Standard ID: GQC211012

Standard Name: Gasoline Composite Mix (1.68uL)

Prep Date: 10/12/2021

Exp Date: 4/2/2030

Department: GCVOA

Vendor: Accustandard

Lot Number: 220031562

Balance ID:

Comments: 5000 ug/mL in MeOH Date prepared is date received; Assay run 4/1/21 on Pe1 GRO range equals 85% jmp

Type: Primary

Prep By: Josie Pickard

Status: New

Final Volume: 5 mL

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

Stock Source	Base Units	Amount Added
GQC211012	ug/mL	



Analytical RunID PE 1_220209A Standards Traceability Report

Standard ID: GROS200921

Standard Name: Gro Stock Standard Mt.Gro

Prep Date: 9/21/2020

Exp Date: 3/28/2029

Department: GCVOA

Vendor: Accustandard

Lot Number: 219031408

Balance ID:

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

Type: Primary

Prep By: Josie Pickard

Status: Open

Final Volume: 2 mL

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

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



Analytical RunID PE 1_220209A Standards Traceability Report

Standard ID: TFT220209
Standard Name: TFT (1.05uL) **Type:** Secondary
Prep Date: 2/9/2022 **Prep By:** Josie Pickard
Exp Date: 9/10/2029 **Status:** New
Department: GCVOA
Vendor: **Final Volume:** 2 mL
Lot Number:
Balance ID:
Comments: Final concentration : 1.0mg/mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Methanol, Purge and Trap EB373	<u>14519</u>	1.9	mL	9/10/2029

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



Analytical RunID PE 1_220209A Standards Traceability Report

Standard ID: TFTS210607

Standard Name: TFT Stock

Prep Date: 6/7/2021

Exp Date: 9/10/2029

Department: GCVOA

Vendor: Accustandard

Lot Number: 219091095

Balance ID:

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

Type: Primary

Prep By: Josie Pickard

Status: New

Final Volume: 10 mL

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

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



AccuStandard® Inc.

Tel: (203)786-5296
Fax: (203)786-5287
www.AccuStandard.com

CERTIFICATE OF ANALYSIS

Catalog No: GRO-AK-101-GCS-R1

Description: Alaska Gasoline Calibration Mix Version 4/8/02

Lot: 213051468

Solvent: N/A

Hazards: HIGHLY FLAMMABLE - Refer to SDS for safety info

Date Certified: Jun 7, 2013

Expiration: Jun 7, 2023

Sample Size: 1 mL

Components: 3

Storage Condition: Ambient (>5 °C)

Included on ISO/IEC 17025 Scope of Accreditation: Yes

Included on ISO Guide 34 Scope of Accreditation: Yes



Danger 2

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

ID #: 8120

Opened:

Alaska Gasoline Calibration Mix Version 4/8/02

Expires: 6/7/2023

Rec'd: 1/27/2016

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

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

* All weights are traceable through NIST, Test No. 822-275872-11

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

Labels and certificates follow U.S. Conventions in reporting numerical values:

A comma (,) is used to separate units of one-thousand or greater.

A period (.) is used as a decimal place marker.

See reverse side for additional information.

Certified by:

Larry Decker, Organic QC Manager

Page 1 of 1

For use in routine laboratory analysis.

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

OR-OR-010-001
Rev. 011

CERTIFICATE OF ANALYSIS

Catalog No: GRO-AK-101-GCS
Description: Gasoline Composite Mix
Lot: 220031562

Solvent: Methanol
Hazards: Refer to SDS for complete safety information

Date Certified: Apr 2, 2020

Expiration: Apr 2, 2030

Sample Size: 1 mL

Components: 3

Storage Condition: Ambient (>5 °C)



Signal Word: Danger

Certified Reference Material



Component	CAS #	Purity % (GC/MS)	Prepared Concentration ² (µg/mL)	Certified Analyte Concentration ¹ (µg/mL)
Gasoline - Premium, unleaded	N/A	Tech Mix	1660	1660
Gasoline - Regular, leaded	N/A	Tech Mix	1674	1674
Gasoline - Regular, unleaded	N/A	Tech Mix	1673	1673

ID #: 14373

Opened: _____

Gasoline Composite Mix

Expires: 4/2/2030

Rec'd: 10/12/2021

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.

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

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

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

Certified By: _____

Larry Decker, Organic QC Manager

CERTIFICATE OF ANALYSIS

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

Solvent: Methanol

Hazards: Refer to SDS for complete safety information

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



Signal Word: Danger

Certified Reference Material



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

ID #: 13921

Opened: _____

a,a,a-Trifluorotoluene

Expires: 9/10/2029

Rec'd: 6/7/2021

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

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

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

¹ Certified Analyte Concentration = Purity x Prepared Concentration.

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

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

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

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

Certified By: _____

Larry Decker, Organic QC Manager