

Energy Laboratories Inc

ANALYTICAL RUN Summary

20-Sep-21

Run ID FID-HEADSPACE_210120A

Run Start Date: 1/20/2021
 Analyst: Jeff Whitmer
 Ical:
 Column ID: porapak Q
 Comments: thermometer used for temp:S94278.

Instrument ID	Description
1000_SGE_041819	1000 mL SGE Syringe _ Gas Tight

Std ID	Std Name	Std Amount	Std Units	Samp Amount	Samp Units	SampType	Expiration Date
10711	HC-Methane-W-CCV	0.3	ml			lcs	8/9/2022
12173	HC-Methane-W-CCV	0.3	ml			CCV	11/23/2023

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
14188877	MBLK	HC-METHANE-	MBLK		1/20/2021 11:50:	1	R355741		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Ethane	A	mg/L		0			0	0	0.00031	0.001	0	0%	0	0	0%	
Ethene	A	mg/L		0			0	0	0.00023	0.001	0	0%	0	0	0%	
Methane	A	mg/L		0			0	0	0.000704	0.001	0	0%	0	0	0%	
Ethylene	X	mg/L		0			0	0	0.001	0.001	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					
14188879	Cal1	HC-METHANE-	CAL1		1/20/2021 11:54:	1	R355741		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Ethane	A	ppm		2.66692829		2.5	0	0	2	2	0	107%	50	150	0%	
Ethene	A	ppm		2.68217219		2.5	0	0	2	2	0	107%	50	150	0%	
Methane	A	ppm		2.9330938		2.5	0	0	2	2	0	117%	50	150	0%	
Ethylene	X	ppm		2.68217219		1000	0	0	2	2	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					
14188881	Cal2	HC-METHANE-	CAL2		1/20/2021 12:00:	1	R355741		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

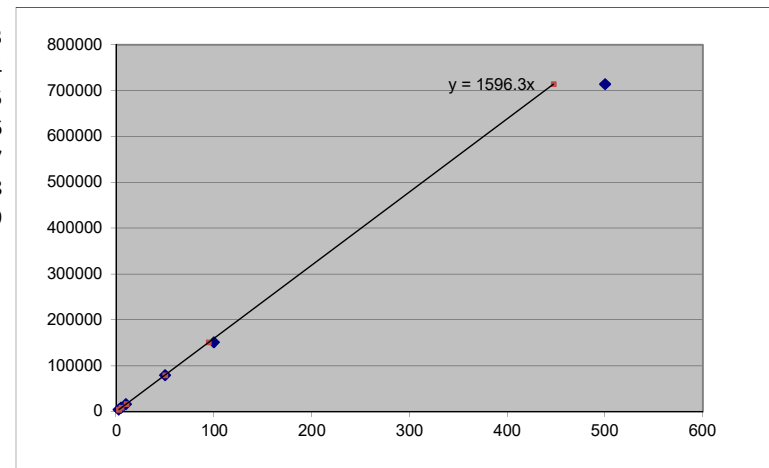
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
14188881	Cal2	HC-METHANE-	CAL2		1/20/2021 12:00:	1	R355741		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Ethane	A	ppm		5.15876183		5	0	0	2	2	0	103%	85	115	0%	
Ethene	A	ppm		5.18455183		5	0	0	2	2	0	104%	85	115	0%	
Methane	A	ppm		5.47590194		5	0	0	2	2	0	110%	85	115	0%	
Ethylene	X	ppm		5.18455183		1000	0	0	2	2	0	1%	0	0	0%	S
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
14188883	Cal3	HC-METHANE-	CAL3		1/20/2021 12:04:	1	R355741		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Ethane	A	ppm		10.3740375		10	0	0	2	2	0	104%	85	115	0%	
Ethene	A	ppm		10.2107455		10	0	0	2	2	0	102%	85	115	0%	
Methane	A	ppm		10.5521213		10	0	0	2	2	0	106%	85	115	0%	
Ethylene	X	ppm		10.2107455		1000	0	0	2	2	0	1%	0	0	0%	S
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
14188885	Cal4	HC-METHANE-	CAL4		1/20/2021 12:09:	1	R355741		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Ethane	A	ppm		50.4828227		50	0	0	2	2	0	101%	85	115	0%	
Ethene	A	ppm		50.7731613		50	0	0	2	2	0	102%	85	115	0%	
Methane	A	ppm		49.9741048		50	0	0	2	2	0	100%	85	115	0%	
Ethylene	X	ppm		50.7731613		1000	0	0	2	2	0	5%	0	0	0%	S
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
14188887	Cal5	HC-METHANE-	CAL5		1/20/2021 12:14:	1	R355741		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Ethane	A	ppm		96.640217		100	0	0	2	2	0	97%	85	115	0%	
Ethene	A	ppm		96.3665695		100	0	0	2	2	0	96%	85	115	0%	
Methane	A	ppm		94.8118498		100	0	0	2	2	0	95%	85	115	0%	
Ethylene	X	ppm		96.3665695		1000	0	0	2	2	0	10%	0	0	0%	S

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
14188889	Cal6	HC-METHANE-	CAL6		1/20/2021 12:22:	1	R355741		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Ethane	A	ppm		444.006974		500	0	0	2	2	0	89%	85	115	0%	
Ethene	A	ppm		445.008645		500	0	0	2	2	0	89%	85	115	0%	
Methane	A	ppm		447.326874		500	0	0	2	2	0	89%	85	115	0%	
Ethylene	X	ppm		445.008645		1000	0	0	2	2	0	45%	0	0	0%	S
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
14188891	Cal7	HC-METHANE-	CAL7		1/20/2021 12:31:	1	R355741		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Methane	A	ppm		834.11562		1000	0	0	2	2	0	83%	85	115	0%	S
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
14188893	LCS	HC-METHANE-	CCV		1/20/2021 12:36:	1	R355741		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Ethane	A	ppm		97.2572953		100	0	0	2	2	0	97%	85	115	0%	
Ethene	A	ppm		97.1407652		100	0	0	2	2	0	97%	85	115	0%	
Methane	A	ppm		96.8898234		100	0	0	2	2	0	97%	85	115	0%	
Ethylene	X	ppm		97.1407652		1000	0	0	2	2	0	10%	85	115	0%	S

Inst ID FID-HeadSpace

Curve Data for samples analyzed after 1/29/2021

Blank,cts	STD ID					
0	#12173	1000000				
Decimal	Sample	Response	Date/Time	Run Id		
Amnt, Injtd	Conc ppm	Area				
Equivalent		Counts				
300ul						
0.0000025	2.5	4682	1872.8	1/21/2021 11:54	16483	
0.000005	5	8741	1748.2	1/21/2021 12:00	16484	
0.00001	10	16844	1684.4	1/21/2021 12:04	16485	
0.00005	50	79772	1595.44	1/21/2021 12:09	16486	
0.0001	100	151345	1513.45	1/21/2021 12:14	16487	
0.0005	500	714053	1428.106	1/21/2021 12:22	16488	
0.001	1000	1331471	1331.471	1/21/2021 12:31	16489	



Methane	MW= 16.04	StdDev	188.2268
		Avg RF	1596.267
		%RSD	11.79169

[PPM]	Area Cnts	Calculated Recoveries	
		PPM	% recovery
2.5	4682	2.933094	1.1732375
5	8741	5.475902	1.0951804
10	16844	10.55212	1.0552121
50	79772	49.9741	0.9994821
100	151345	94.81185	0.9481185
500	714053	447.3269	0.8946537
1000	1331471	834.1156	0.8341156

Sample	Area Count	Dilution	Temperature (°C)	Concentration ppm and mg/L	Date and Time	Analyst	Sample	Test Code	Analyte
MBLK	0	1	20	0	1/20/2021 11:50	jdww	MBLK	HC-METHANE-W	Methane
MBLK	0	1	20	0	1/20/2021 11:50	jdww	MBLK	HC-METHANE-W	Ethane
MBLK	0	1	20	0	1/20/2021 11:50	jdww	MBLK	HC-METHANE-W	Ethene
Cal1	4682	1	20	2.9330938	1/20/2021 11:54	jdww	CCV	HC-METHANE-CCV	Methane
Cal1	8164	1	20	2.66692829	1/20/2021 11:54	jdww	CCV	HC-METHANE-CCV	Ethane
Cal1	8384	1	20	2.68217219	1/20/2021 11:54	jdww	CCV	HC-METHANE-CCV	Ethene
Cal2	8741	1	20	5.47590194	1/20/2021 12:00	jdww	CCV	HC-METHANE-CCV	Methane
Cal2	15792	1	20	5.15876183	1/20/2021 12:00	jdww	CCV	HC-METHANE-CCV	Ethane
Cal2	16206	1	20	5.18455183	1/20/2021 12:00	jdww	CCV	HC-METHANE-CCV	Ethene
Cal3	16844	1	20	10.5521213	1/20/2021 12:04	jdww	CCV	HC-METHANE-CCV	Methane
Cal3	31757	1	20	10.37403746	1/20/2021 12:04	jdww	CCV	HC-METHANE-CCV	Ethane
Cal3	31917	1	20	10.21074545	1/20/2021 12:04	jdww	CCV	HC-METHANE-CCV	Ethene
Cal4	79772	1	20	49.97410476	1/20/2021 12:09	jdww	CCV	HC-METHANE-CCV	Methane
Cal4	154538	1	20	50.48282269	1/20/2021 12:09	jdww	CCV	HC-METHANE-CCV	Ethane
Cal4	158708	1	20	50.7731613	1/20/2021 12:09	jdww	CCV	HC-METHANE-CCV	Ethene
Cal5	151345	1	20	94.81184983	1/20/2021 12:14	jdww	CCV	HC-METHANE-CCV	Methane
Cal5	295835	1	20	96.64021698	1/20/2021 12:14	jdww	CCV	HC-METHANE-CCV	Ethane
Cal5	301225	1	20	96.3665695	1/20/2021 12:14	jdww	CCV	HC-METHANE-CCV	Ethene
Cal6	714053	1	20	447.3268744	1/20/2021 12:22	jdww	CCV	HC-METHANE-CCV	Methane
Cal6	1359194	1	20	444.0069737	1/20/2021 12:22	jdww	CCV	HC-METHANE-CCV	Ethane
Cal6	1391019	1	20	445.0086452	1/20/2021 12:22	jdww	CCV	HC-METHANE-CCV	Ethene
Cal7	1331471	1	20	834.11562	1/20/2021 12:22	jdww	CCV	HC-METHANE-CCV	Methane
LCS	154662	1	20	96.88982337	1/20/2021 12:36	jdww	CCV	HC-METHANE-CCV	Methane
LCS	297724	1	20	97.25729532	1/20/2021 12:36	jdww	CCV	HC-METHANE-CCV	Ethane
LCS	303645	1	20	97.1407652	1/20/2021 12:36	jdww	CCV	HC-METHANE-CCV	Ethene

Calibration
Methane, Ethane,
Ethene
JOW
1/20/2021

*ID MB

* RUN #16482 JAN 20, 2021 11:50:13
START

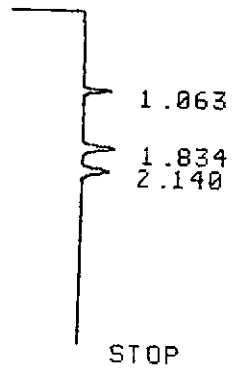


RUN# 16482 JAN 20, 2021 11:50:13

IDENTIFIER : MB
NO RUN PERKS STORED

*ID CAL1-2.5PPM

* RUN #16483 JAN 20, 2021 11:54:22
START



RUN# 16483 JAN 20, 2021 11:54:22

IDENTIFIER : CAL1-2.5PPM
AREA%

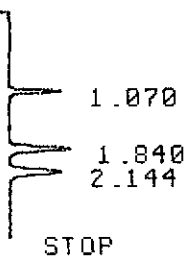
RT	AREA	TYPE	WIDTH	AREA%
1.063	4682	PP	.048	22.05370
1.834	8384	PU	.078	39.49128
2.140	8164	UP	.087	38.45502

TOTAL AREA= 21230
MUL FACTOR=1.0000E+00

*ID CAL2-5PPM

* RUN #16484 JAN 20, 2021 12:00:03

START



RUN# 16484 JAN 20, 2021 12:00:03

IDENTIFIER : CAL2-5PPM

AREA%

RT	AREA	TYPE	WIDTH	AREA%
1.070	8741	UP	.049	21.45610
1.840	16206	PU	.076	39.78006
2.144	15792	UU	.088	38.76384

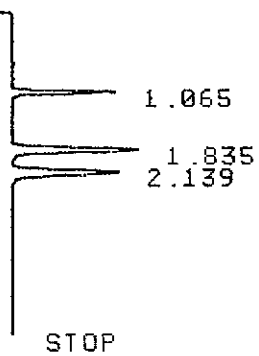
TOTAL AREA= 40739

MUL FACTOR=1.0000E+00

*ID CAL3-10PPM

* RUN #16485 JAN 20, 2021 12:04:08

START



RUN# 16485 JAN 20, 2021 12:04:08

IDENTIFIER : CAL3-10PPM

AREA%

RT	AREA	TYPE	WIDTH	AREA%
1.065	16844	PU	.047	20.91955
1.835	31917	UP	.074	39.63958
2.139	31757	PU	.087	39.44088

TOTAL AREA= 80518

MUL FACTOR=1.0000E+00

*ID CAL4-50PPM

* RUN #16486 JAN 20, 2021 12:09:55

START



RUN# 16486 JAN 20, 2021 12:09:55

IDENTIFIER : CAL4-50PPM
AREA%

RT	AREA	TYPE	WIDTH	AREA%
1.070	79772	PB	.046	20.29729
1.840	158708	PB	.075	40.38187
2.145	154538	BB	.087	39.32085

TOTAL AREA= 393018
MUL FACTOR=1.0000E+00

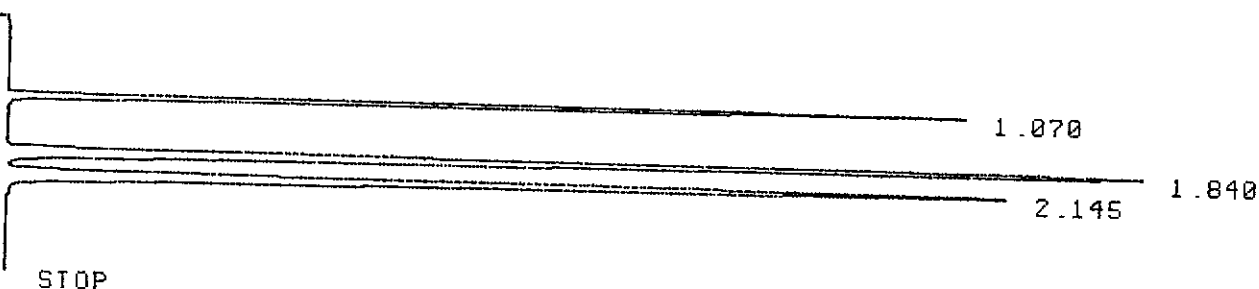
*CAL5-100PPM

INVALID SYSTEM COMMAND

*ID CAL5-100PPM

* RUN #16487 JAN 20, 2021 12:14:46

START



RUN# 16487 JAN 20, 2021 12:14:46

IDENTIFIER : CAL5-100PPM
AREA%

RT	AREA	TYPE	WIDTH	AREA%
1.070	151345	PB	.047	20.22234
1.840	301225	PB	.075	40.24893
2.145	295835	BB	.088	39.52874

TOTAL AREA= 748405
MUL FACTOR=1.0000E+00

*ID CAL6-500PPM

* RUN #16488 JAN 20, 2021 12:22:48
START



RUN# 16488 JAN 20, 2021 12:22:48

IDENTIFIER : CAL6-500PPM
AREA%

RT	AREA	TYPE	WIDTH	AREA%
1.070	714053	PB	.047	20.61195
1.838	1391019	PB	.077	40.15334
2.141	1359194	BB	.090	39.23469

TOTAL AREA=3464266
MUL FACTOR=1.0000E+00

*ID CAL7-1000PPM

* RUN #16489 JAN 20, 2021 12:31:25
START



RUN# 16489 JAN 20, 2021 12:31:25

IDENTIFIER : CAL7-1000PPM
AREA%

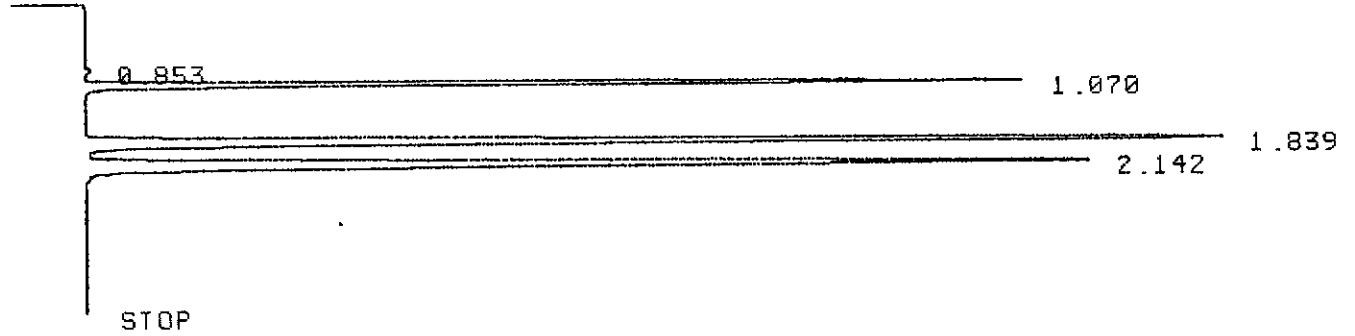
RT	AREA	TYPE	WIDTH	AREA%
1.070	1331471	PB	.049	21.86052

2.139 2333118 UB .095 37.95542
2.999 795 PP .068 .01293

TOTAL AREA=6146995
MUL FACTOR=1.0000E+00

*ID 10711-LCS

* RUN #16490 JAN 20, 2021 12:36:18
START



RUN# 16490 JAN 20, 2021 12:36:18

IDENTIFIER : 10711-LCS
AREA%

RT	AREA	TYPE	WIDTH	AREA%
.853	1141	PU	.054	.15069
1.070	154662	BB	.049	20.42627
1.839	303645	BU	.075	40.10251
2.142	297724	UU	.088	39.32053

TOTAL AREA= 757172
MUL FACTOR=1.0000E+00

*

Energy Laboratories Inc

ANALYTICAL RUN Summary

17-Jan-22

Run ID FID-HEADSPACE_220114A

Run Start Date: 1/14/2022
Analyst: Jeff Whitmer
Ical:
Column ID: porapak Q
Comments: See Preservation Comment column for sample pH; thermometer used for temp:S94278.

Instrument ID	Description
1000_SGE_041819	1000 mL SGE Syringe _ Gas Tight

Std ID	Std Name	Std Amount	Std Units	Samp Amount	Samp Units	SampType	Expiration Date
10711	HC-Methane-W-CCV	0.3	ml			lcs	8/9/2022
12173	HC-Methane-W-CCV	0.3	ml			CCV	11/23/2023

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
14978866	CCV	HC-METHANE-	CCV		1/14/2022 8:32:0	1	R373199		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Methane	A	ppm		96.8465975		100	0	0	2	2	0	97%	85	115	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
14978867	LCS	HC-METHANE-	LCS		1/14/2022 8:37:0	1	R373199		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Methane	A	ppm		97.1855133		100	0	0	2	2	0	97%	85	115	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
14978868	LCSD	HC-METHANE-	LCSD		1/14/2022 8:41:0	1	R373199		0	1E+07						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Methane	A	ppm		97.5764254		100	0	97.185513	2	2	0	98%	85	115	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
14978869	MBLK	HC-METHANE-	MBLK		1/14/2022 9:40:0	1	R373199		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Methane	A	mg/L		0			0	0	0.000704	0.001	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					
14978870	B22010750-001I	HC-METHANE-	SAMP		1/14/2022 9:50:0	1	R373199		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Methane	A	mg/L		0			0	0	0.000704	0.002	0	0%	0	0	0%	U
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
14978871	B22010750-005	HC-METHANE-	SAMP		1/14/2022 9:56:0	1	R373199		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Methane	A	mg/L		0			0	0	0.000704	0.002	0	0%	0	0	0%	U
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
14978872	B22010751-001I	HC-METHANE-	SAMP		1/14/2022 10:02:	1	R373199		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Methane	A	mg/L		0.00948092			0	0	0.000704	0.002	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					
14978873	B22010751-001I	HC-METHANE-	DUP		1/14/2022 10:12:	1	R373199		0	1E+07						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Methane	A	mg/L		0.00951381			0	0.0094809	0.000704	0.002	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					
14978874	B22010751-005	HC-METHANE-	SAMP		1/14/2022 10:23:	1	R373199		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Methane	A	mg/L		0			0	0	0.000704	0.002	0	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
14978875	B22010753-001I	HC-METHANE-	SAMP		1/14/2022 10:29:	1	R373199		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Methane	A	mg/L		0			0	0	0.000704	0.002	0	0%	0	0	0%	U
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
14978876	B22010753-005	HC-METHANE-	SAMP		1/14/2022 10:35:	1	R373199		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Methane	A	mg/L		0			0	0	0.000704	0.002	0	0%	0	0	0%	U
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
14978877	B22010755-001I	HC-METHANE-	SAMP		1/14/2022 11:26:	1	R373199		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Methane	A	mg/L		0			0	0	0.000704	0.002	0	0%	0	0	0%	U
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
14978878	B22010755-005	HC-METHANE-	SAMP		1/14/2022 11:32:	1	R373199		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Methane	A	mg/L		0			0	0	0.000704	0.002	0	0%	0	0	0%	U
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
14978879	B22010756-001I	HC-METHANE-	SAMP		1/14/2022 11:38:	1	R373199		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Methane	A	mg/L		0			0	0	0.000704	0.002	0	0%	0	0	0%	U
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
14978880	B22010756-005	HC-METHANE-	SAMP		1/14/2022 11:51:	1	R373199		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Methane	A	mg/L		0			0	0	0.000704	0.002	0	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
14978882	B22010757-001I	HC-METHANE-	SAMP		1/14/2022 12:15:	78	R373199		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Methane	A	mg/L		3.19147766			0	0	0.054912	0.156	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					
14978883	B22010757-005	HC-METHANE-	SAMP		1/14/2022 12:31:	1	R373199		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Methane	A	mg/L		0			0	0	0.000704	0.002	0	0%	0	0	0%	U
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
14978884	B22010758-001I	HC-METHANE-	SAMP		1/14/2022 12:54:	78	R373199		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Methane	A	mg/L		0.48574452			0	0	0.054912	0.156	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					
14978885	B22010758-006	HC-METHANE-	SAMP		1/14/2022 1:05:0	1	R373199		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Methane	A	mg/L		0			0	0	0.000704	0.002	0	0%	0	0	0%	U
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
14978886	B22010759-001I	HC-METHANE-	SAMP		1/14/2022 1:11:0	1	R373199		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Methane	A	mg/L		0			0	0	0.000704	0.002	0	0%	0	0	0%	U
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
14978888	B22010759-005	HC-METHANE-	SAMP		1/14/2022 1:18:0	1	R373199		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Methane	A	mg/L		0			0	0	0.000704	0.002	0	0%	0	0	0%	U

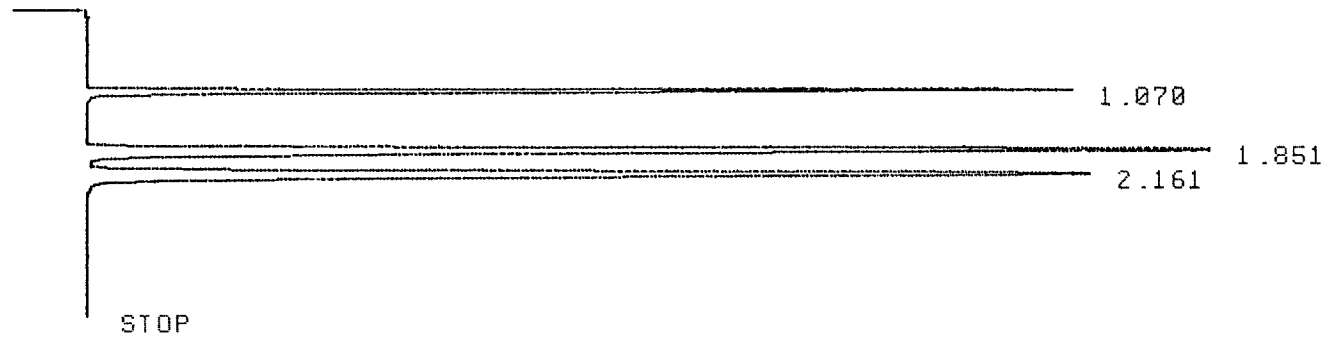
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
14978889	B22010754-001I	HC-METHANE-	SAMP		1/14/2022 1:24:0	1	R373199		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Methane	A	mg/L		0			0	0	0.000704	0.002	0	0%	0	0	0%	U
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
14978890	B22010754-005	HC-METHANE-	SAMP		1/14/2022 1:29:0	1	R373199		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Methane	A	mg/L		0			0	0	0.000704	0.002	0	0%	0	0	0%	U
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
14978891	CCV	HC-METHANE-	CCV		1/14/2022 1:33:0	1	R373199		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Methane	A	ppm		98.8700689		100	0	0	2	2	0	99%	85	115	0%	

Sample ID	Area Count	Dilution Factor	Temperature (C)	Concentration	Date/Time Analyzed	Analyst	Sample Type	Test Code	Analyte	Headspace Volume	Liquid Volume
CCV	154593	1	20	96.84659751	1/14/2022 8:32	jdw	CCV	HC-METHANE-CCV	Methane		
LCS	155134	1	20	97.18551331	1/14/2022 8:37	jdw	LCS	HC-METHANE-CCV	Methane		
LCS	155758	1	20	97.57642542	1/14/2022 8:41	jdw	LCS	HC-METHANE-CCV	Methane		
MBLK	0	1	20	0	1/14/2022 9:40	jdw	MBLK	HC-METHANE-W	Methane	10	32
B22010750-001I	1012	1	20	0.000147248	1/14/2022 9:50	jdw	SAMP	HC-METHANE-W	Methane	10	32
B22010750-005A	870	1	20	0.000126587	1/14/2022 9:56	jdw	SAMP	HC-METHANE-W	Methane	10	32
B22010751-001I	65160	1	20	0.009480923	1/14/2022 10:02	jdw	SAMP	HC-METHANE-W	Methane	10	32
B22010751-001IDUP	65386	1	20	0.009513806	1/14/2022 10:12	jdw	DUP	HC-METHANE-W	Methane	10	32
B22010751-005A	868	1	20	0.000126296	1/14/2022 10:23	jdw	SAMP	HC-METHANE-W	Methane	10	32
B22010753-001I	3538	1	20	0.000514787	1/14/2022 10:29	jdw	SAMP	HC-METHANE-W	Methane	10	32
B22010753-005A	715	1	20	0.000104034	1/14/2022 10:35	jdw	SAMP	HC-METHANE-W	Methane	10	32
B22010754-001I	1274	1	20	0.00018537	1/14/2022 13:24	jdw	SAMP	HC-METHANE-W	Methane	10	32
B22010754-005A	855	1	20	0.000124404	1/14/2022 13:29	jdw	SAMP	HC-METHANE-W	Methane	10	32
B22010755-001I	452	1	20	6.5767E-05	1/14/2022 11:26	jdw	SAMP	HC-METHANE-W	Methane	10	32
B22010755-005A	523	1	20	7.60976E-05	1/14/2022 11:32	jdw	SAMP	HC-METHANE-W	Methane	10	32
B22010756-001I	1277	1	20	0.000185806	1/14/2022 11:38	jdw	SAMP	HC-METHANE-W	Methane	10	32
B22010756-005A	1155	1	20	0.000168055	1/14/2022 11:51	jdw	SAMP	HC-METHANE-W	Methane	10	32
B22010757-001I	281208	78	20	3.19147766	1/14/2022 12:15	jdw	SAMP	HC-METHANE-W	Methane	10	32
B22010757-005A	1028	1	20	0.000149576	1/14/2022 12:31	jdw	SAMP	HC-METHANE-W	Methane	10	32
B22010758-001I	42800	78	20	0.485744516	1/14/2022 12:54	jdw	SAMP	HC-METHANE-W	Methane	10	32
B22010758-006A	859	1	20	0.000124986	1/14/2022 13:05	jdw	SAMP	HC-METHANE-W	Methane	10	32
B22010759-001I	1616	1	20	0.000235132	1/14/2022 13:11	jdw	SAMP	HC-METHANE-W	Methane	10	32
B22010759-005A	808	1	20	0.000117566	1/14/2022 13:18	jdw	SAMP	HC-METHANE-W	Methane	10	32
CCV	157823	1	20	98.87006888	1/14/2022 13:33	jdw	CCV	HC-METHANE-CCV	Methane		

JBW
1/14/2022

*ID 12173-500X-CCU

* RUN #19018 JAN 14, 2022 08:32:04
START



RUN# 19018 JAN 14, 2022 08:32:04

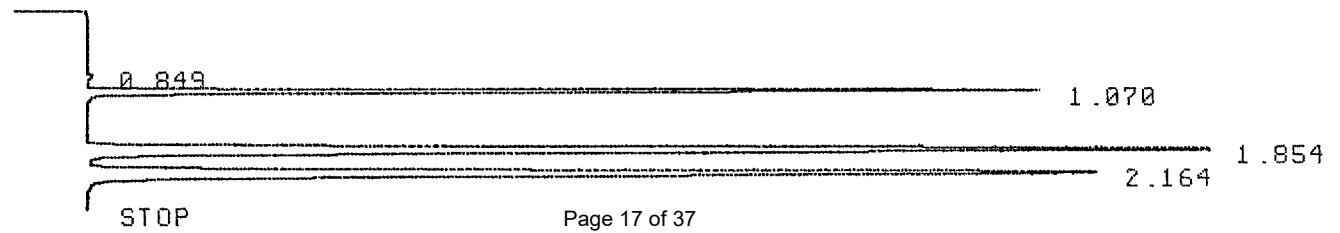
IDENTIFIER : 12173-500X-C
AREA%

RT	AREA	TYPE	WIDTH	AREA%
1.070	154593	PB	.046	20.30714
1.851	306375	PB	.075	40.24504
2.161	300306	BB	.088	39.44781

TOTAL AREA= 761274
MUL FACTOR=1.0000E+00

*ID 10711-LCS

* RUN #19019 JAN 14, 2022 08:37:53
START



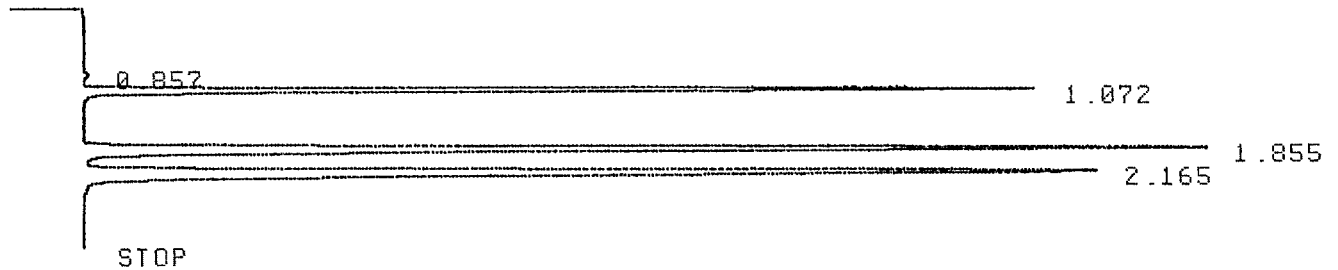
IDENTIFIER : 10711-LCS
AREA%

RT	AREA	TYPE	WIDTH	AREA%
.849	952	UP	.051	.12425
1.070	155134	UB	.047	20.24719
1.854	308510	PB	.075	40.26496
2.164	301604	BB	.087	39.36362

TOTAL AREA= 766200
MUL FACTOR=1.0000E+00

*ID 10711-LCS0

* RUN #19020 JAN 14, 2022 08:41:55
START



IDENTIFIER : 10711-LCS0
AREA%

RT	AREA	TYPE	WIDTH	AREA%
.857	892	PP	.054	.11564
1.072	155758	PB	.048	20.19202
1.855	310151	PB	.075	40.20707
2.165	304583	PB	.088	39.48526

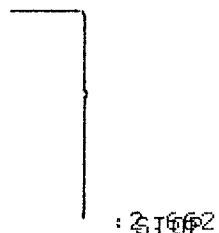
TOTAL AREA= 771384
MUL FACTOR=1.0000E+00

*

*ID MB

* RUN #19021 JAN 14, 2022 09:40:59

START



RUN# 19021 JAN 14, 2022 09:40:59

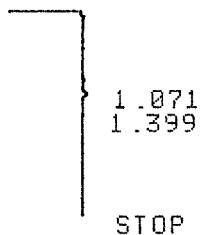
IDENTIFIER : MB
NO RUN PEAKS STORED

*ID MB

*ID 750-1I

* RUN #19022 JAN 14, 2022 09:50:18

START



RUN# 19022 JAN 14, 2022 09:50:18

IDENTIFIER : 750-1I

AREA%

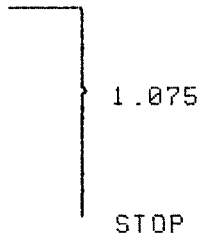
RT	AREA	TYPE	WIDTH	AREA%
1.071	1012	UU	.057	61.74496
1.399	627	PU	.082	38.25504

TOTAL AREA= 1639
MUL FACTOR=1.0000E+00

*

*ID 750-5A

* RUN #19023 JAN 14, 2022 09:56:20
START



RUN# 19023 JAN 14, 2022 09:56:20

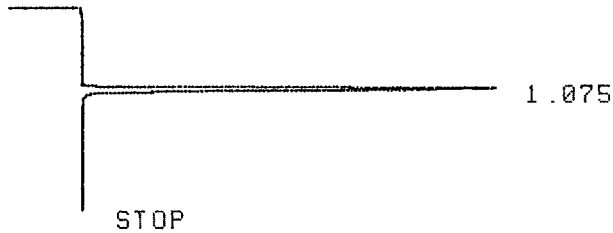
IDENTIFIER : 750-5A
AREA%

RT	AREA	TYPE	WIDTH	AREA%
1.075	870	BP	.059	100.00000

TOTAL AREA= 870
MUL FACTOR=1.0000E+00

*ID 751-1I

* RUN #19024 JAN 14, 2022 10:02:34
START



RUN# 19024 JAN 14, 2022 10:02:34

IDENTIFIER : 751-1I
AREA%

RT	AREA	TYPE	WIDTH	AREA%
1.075	65160	PB	.046	100.00000

TOTAL AREA= 65160
MUL FACTOR=1.0000E+00

* PLOT

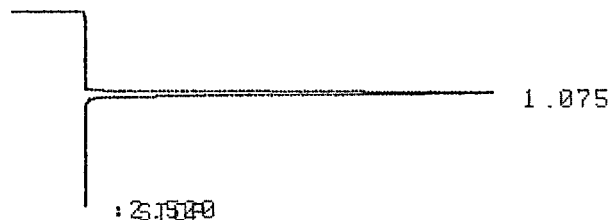
STOP

* PLOT

STOP

*ID 751-1I-DUP

* RUN #19025 JAN 14, 2022 10:12:14
START



RUN# 19025 JAN 14, 2022 10:12:14

IDENTIFIER : 751-1I-DUP
AREA%

RT	AREA	TYPE	WIDTH	AREA%
1.075	65386	PB	.047	100.00000

TOTAL AREA= 65386
MUL FACTOR=1.0000E+00

* PLOT

STOP

* PLOT

STOP

*ID 751-5A

* RUN #19026 JAN 14, 2022 10:23:02
START

```

┌───┐
│   │
│   │ 1.079
│   │
└───┘
STOP

```

RUN# 19026 JAN 14, 2022 10:23:02

IDENTIFIER : 751-5A
AREA%

RT	AREA	TYPE	WIDTH	AREA%
1.079	868	UU	.062	100.00000

TOTAL AREA= 868
MUL FACTOR=1.0000E+00

*ID 753-1I

* RUN #19027 JAN 14, 2022 10:29:41
START

```

┌───┐
│   │
│   │ 1.073
│   │ 1.351
│   │ 1.855
│   │ 1.985
│   │ :2.340
└───┘
STOP

```

RUN# 19027 JAN 14, 2022 10:29:41

IDENTIFIER : 753-1I
AREA%

RT	AREA	TYPE	WIDTH	AREA%
1.073	3538	UU	.051	62.51990
1.351	693	PP	.090	12.24598
1.850	1104	PP	.084	19.50874
1.985	324	PV	.041	5.72539

TOTAL AREA= 5659
MUL FACTOR=1.0000E+00

*ID 753-5A

* RUN #19028 JAN 14, 2022 10:35:40
START

```

┌───┐
│   │
│   │ 1.080
│   │ 1.701
│   │ :2.368
│   │ STOP
└───┘

```

RUN# 19028 JAN 14, 2022 10:35:40

IDENTIFIER : 753-5A
AREA%

RT	AREA	TYPE	WIDTH	AREA%
1.080	715	UP	.059	70.23574
1.701	303	PU	.044	29.76424

TOTAL AREA= 1018
MUL FACTOR=1.0000E+00

~~*ID 754-ID 755-11~~

*30w
11/4/2022*

*ID 755-11

* RUN #19029 JAN 14, 2022 11:21:34
START

```

┌───┐
│   │ 0.038
│   │ 0.188
│   │ 0.355
│   │ 0.620
│   │ 0.687
│   │ 0.804
│   │ 1.085
│   │ STOP
└───┘

```

*Repeat run - electrical
disturbance
30w
11/4/2022*

RUN# 19029 JAN 14, 2022 11:21:34

IDENTIFIER : 755-11
AREA%

RT	AREA	TYPE	WIDTH	AREA%
.038	1132	I PB	.048	20.62682
.188	1037	I PB	.049	18.89578
.355	789	I BB	.043	14.37682
.620	615	PP	.037	11.20627
.687	564	PP	.029	10.27697
.804	1037	PP	.055	18.89578
1.085	314	PP	.025	5.72157

TOTAL AREA= 5488
MUL FACTOR=1.0000E+00

*ID 756-1I

* RUN #19032 JAN 14, 2022 11:38:46

START

┌───┐
│ │
│ │
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│ │
│ │
└───┘

1.072
1.238
1.655
1.855
2.221
STOP

RUN# 19032 JAN 14, 2022 11:38:46

IDENTIFIER : 756-1I

AREA%

RT	AREA	TYPE	WIDTH	AREA%
1.072	1277	BP	.036	65.02038
1.855	382	BB	.039	19.45010
2.221	305	I PP	.023	15.52953

TOTAL AREA= 1964
MUL FACTOR=1.0000E+00

* PLOT

┌───┐
│ │
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│ │
└───┘

STOP

* PLOT

┌───┐
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│ │
└───┘

STOP

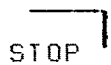
*

* PLOT



STOP

* PLOT



STOP

*
^BREAK

* PLOT

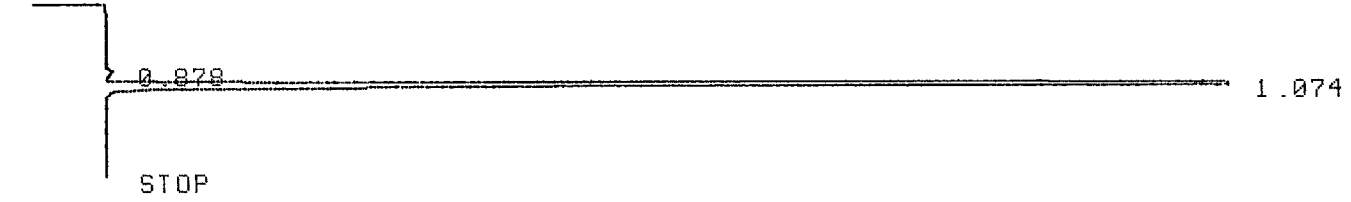


STOP

*ID 757-1I

*ID 757-1I-78X

* RUN #19035 JAN 14, 2022 12:15:33
START



RUN# 19035 JAN 14, 2022 12:15:33

IDENTIFIER : 757-1I-78X
AREA%

RT	AREA	TYPE	WIDTH	AREA%
.878	1621	UU	.073	.57314
1.074	281208	PB	.048	99.42688

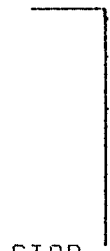
TOTAL AREA= 282829
MUL FACTOR=1.0000E+00

* PLOT



STOP

* PLOT



STOP

* PLOT



STOP

* PLOT

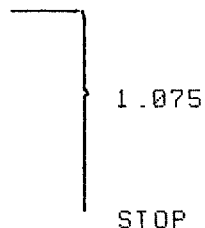


STOP

*

*ID 757-5A

* RUN #19036 JAN 14, 2022 12:31:54
START



RUN# 19036 JAN 14, 2022 12:31:54

IDENTIFIER : 757-5A

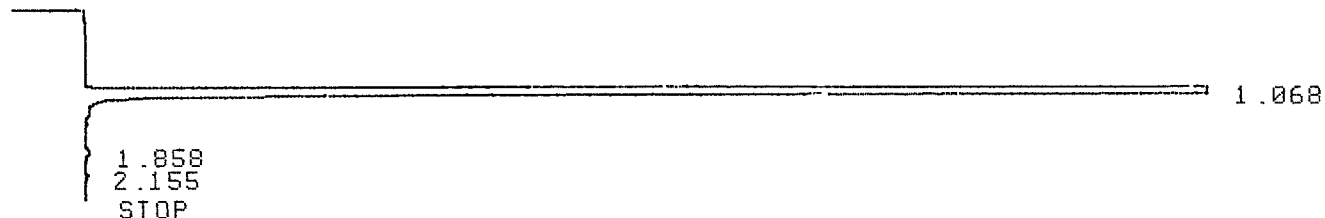
AREA%

RT	AREA TYPE	WIDTH	AREA%
1.075	1028 PU	.058	100.00000

TOTAL AREA= 1028
MUL FACTOR=1.0000E+00

*ID 758-1I

* RUN #19037 JAN 14, 2022 12:39:11
START



RUN# 19037 JAN 14, 2022 12:39:11

IDENTIFIER : 758-1I

AREA%

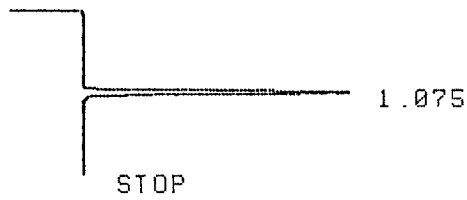
RT	AREA TYPE	WIDTH	AREA%
1.068	2640237 PB	.053	99.90947
1.858	1764 PU	.085	.06675
2.155	628 UP	.076	.02376

TOTAL AREA=2642629
MUL FACTOR=1.0000E+00

STOP

*ID 758-1I-78X

* RUN #19038 JAN 14, 2022 12:54:58
START



RUN# 19038 JAN 14, 2022 12:54:58

IDENTIFIER : 758-1I-78X
AREA%

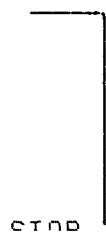
RT	AREA	TYPE	WIDTH	AREA%
1.075	42800	PB	.047	100.00000

TOTAL AREA= 42800
MUL FACTOR=1.0000E+00

* PLOT



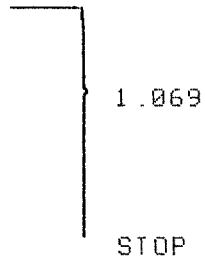
* PLOT



*ID 758-6A

* RUN #19039 JAN 14, 2022 13:05:02

START



RUN# 19039 JAN 14, 2022 13:05:02

IDENTIFIER : 758-6A

AREA%

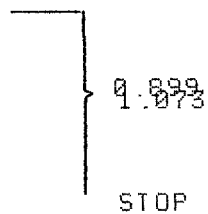
RT	AREA	TYPE	WIDTH	AREA%
1.069	859	UP	.058	100.00000

TOTAL AREA= 859
MUL FACTOR=1.0000E+00

*ID 759-1I

* RUN #19040 JAN 14, 2022 13:11:40

START



RUN# 19040 JAN 14, 2022 13:11:40

IDENTIFIER : 759-1I

AREA%

RT	AREA	TYPE	WIDTH	AREA%
.899	777	PU	.106	32.46971
1.073	1616	UP	.058	67.53030

TOTAL AREA= 2393
MUL FACTOR=1.0000E+00

*

*ID 759-5A

* RUN #19041 JAN 14, 2022 13:18:19
START

```
┌───┐  
│   │  
│   │ } 1.072  
│   │  
└───┘  
STOP
```

RUN# 19041 JAN 14, 2022 13:18:19

IDENTIFIER : 759-5A

AREA%

RT	AREA	TYPE	WIDTH	AREA%
1.072	808	PU	.059	100.00000

TOTAL AREA= 808
MUL FACTOR=1.0000E+00

*ID 754-1I

* RUN #19042 JAN 14, 2022 13:24:23
START

```
┌───┐  
│   │  
│   │ } 1.075  
│   │  
└───┘  
STOP
```

RUN# 19042 JAN 14, 2022 13:24:23

IDENTIFIER : 754-1I

AREA%

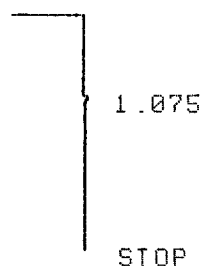
RT	AREA	TYPE	WIDTH	AREA%
1.075	1274	PP	.056	100.00000

TOTAL AREA= 1274
MUL FACTOR=1.0000E+00

*

*ID 754-5A

* RUN #19043 JAN 14, 2022 13:29:21
START



RUN# 19043 JAN 14, 2022 13:29:21

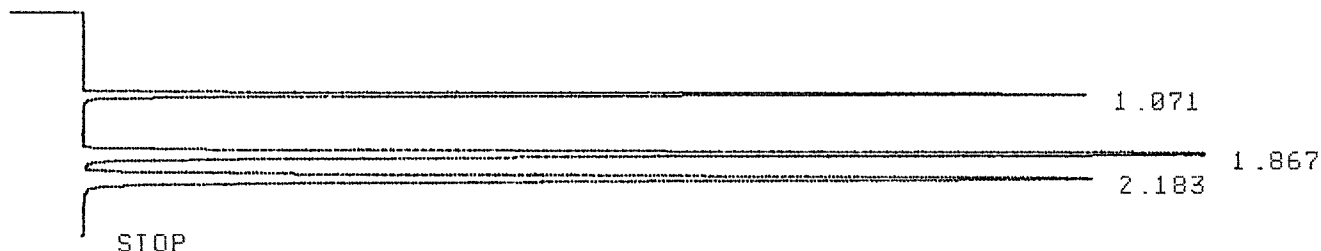
IDENTIFIER : 754-5A
AREA%

RT	AREA	TYPE	WIDTH	AREA%
1.075	855	UP	.062	100.00000

TOTAL AREA= 855
MUL FACTOR=1.0000E+00

*ID 12173-500X-CCU

* RUN #19044 JAN 14, 2022 13:33:50
START



RUN# 19044 JAN 14, 2022 13:33:50

IDENTIFIER : 12173-500X-C
AREA%

RT	AREA	TYPE	WIDTH	AREA%
1.071	157823	BB	.046	20.31827
1.867	312039	BB	.076	40.17218
2.183	306892	BB	.089	39.50955

TOTAL AREA= 776754
MUL FACTOR=1.0000E+00

Energy Laboratories Inc

Spike LOG

Standard ID: 12173
 Standard Name: HC-Methane-W-CCV
 Date Prepared: 11/22/2019
 Date Expires: 11/23/2023
 Department: GAS
 Vendor: Matheson
 Lot Number: 109-96-04454
 Balance ID:

Type: Primary
 BY:
 Status: New

Comments: CCV Gas Standard for Methane, Ethene, Ethane: 50000ppm stock diluted from 100 - 500ppm with Helium for CCV. Diluted from 2.5ppm - 1000ppm with Helium for Calibration.

Chemical / Solvent Used	BottleNo	Amt	Units	Exp
3 Multi-Component Gas Standard in Ni	12173		mL	11/23

Final Volume: mL

Stock Source

Base Units

Amount Added

Analyses

CAS

Conc: ug/mL

MATHESON TRI-GAS INC
1650 Enterprise Pkwy
Twinsburg, OH 44087
1-215-648-4000

CERTIFICATE OF ANALYSIS

Energy Laboratories Inc
1120 South 27th Street
Billings, MT 59101

Ref Po# 3008099

14 LITER DISPOSABLE

LOT NUMBER: 109-96-04454

COMPONENT

CONCENTRATION

methane	50010	ppm
ethane	50030	ppm
ethylene	50030	ppm
nitrogen	Bal	

ITEM NUMBER: GMT2685284TC

CGA: 160

PSIG: 240

FILL DATE: 11/22/19

EXPIRATION DATE: 11/23/23

ID #: 12173

Opened: _____

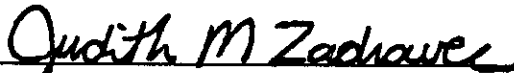
3 Multi-Component Gas Standard in Nitrogen

Expires: 11/23/2023

Rec'd: 12/3/2019

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

Above are the results of the analysis you requested, as reported by our laboratory. Results are in mole percent, unless otherwise indicated. Mixture accuracy is $\pm 2\%$. NIST traceable by weights or gaseous standards.



Judy Zadravec, Chemist

10/19/2018

DATE

Energy Laboratories Inc

Spike LOG

Standard ID: 10711
 Standard Name: HC-Methane-W-CCV
 Date Prepared: 8/8/2018
 Date Expires: 8/9/2022
 Department: GAS
 Vendor: Matheson
 Lot Number: 109-86-03507
 Balance ID:

Type: Primary
 BY:
 Status: New

Comments: LCS Gas Standard for Methane, Ethene, Ethane: 100ppm per standard used undiluted for LCS

Chemical / Solvent Used	BottleNo	Amt	Units	Exp
3 Multi-Component Gas Standard in Ni	10711		mL	8/9/22

Final Volume: mL

Stock Source

Base Units

Amount Added

Analtes

CAS

Conc: ug/mL

MATHESON TRI-GAS INC
1650 Enterprise Pkwy
Twinsburg, OH 44087
1-215-648-4000

CERTIFICATE OF ANALYSIS

Energy Laboratories Inc
1120 South 27th Street
Billings, MT 59101

Ref Po# 3005062

14 LITER DISPOSABLE

LOT NUMBER: 109-86-03507

COMPONENT

CONCENTRATION

methane	100.0	ppm
ethane	100.0	ppm
ethylene	100.0	ppm
nitrogen	Bal	

ITEM NUMBER: GMT2677328TC

CGA: 160

PSIG: 240

FILL DATE: 08/08/18

EXPIRATION DATE: 08/09/22

Above are the results of the analysis you requested, as reported by our laboratory. Results are in mole percent, unless otherwise indicated. Mixture accuracy is $\pm 2\%$. NIST traceable by weights or gaseous standards.

Judith M Zadravec

Judy Zadravec, Chemist

8/14/2018

DATE

ID #: 10711
Opened: _____
3 Multi-Component Gas Standard in Nitrogen
Expires: 8/9/2022
Rec'd: 8/27/2018
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107