

Lab name: SRI Instruments
 Client: Princeton
 Client ID: N12733
 Analysis date: 10/12/2024 09:59:32
 Method: MG5
 Description: FIDmeth medgain 300C
 Column: MG5 set 6' MS5A
 Carrier: C1=8psiH2 C2=6psiH2
 Integration: Peak sens=90.0 Base sens=60.0 Min area= 1.00 Standa
 Data file: MOFID1003.chr ()
 Sample: 1% C2mix
 Comments: H2 makeup=25psi total H2 flow=90ml/min

Temperature program:

Init temp	Hold	Ramp	Final temp
50.00	2.000	20.000	90.00
90.00	6.000	30.000	270.00
270.00	9.000	0.000	270.00

Events:

Time	Event
0.000	ZERO
0.020	G ON (Valve1)
0.500	G OFF (Valve1)
7.000	F ON (TrapHeat)
12.000	F OFF (TrapHeat)

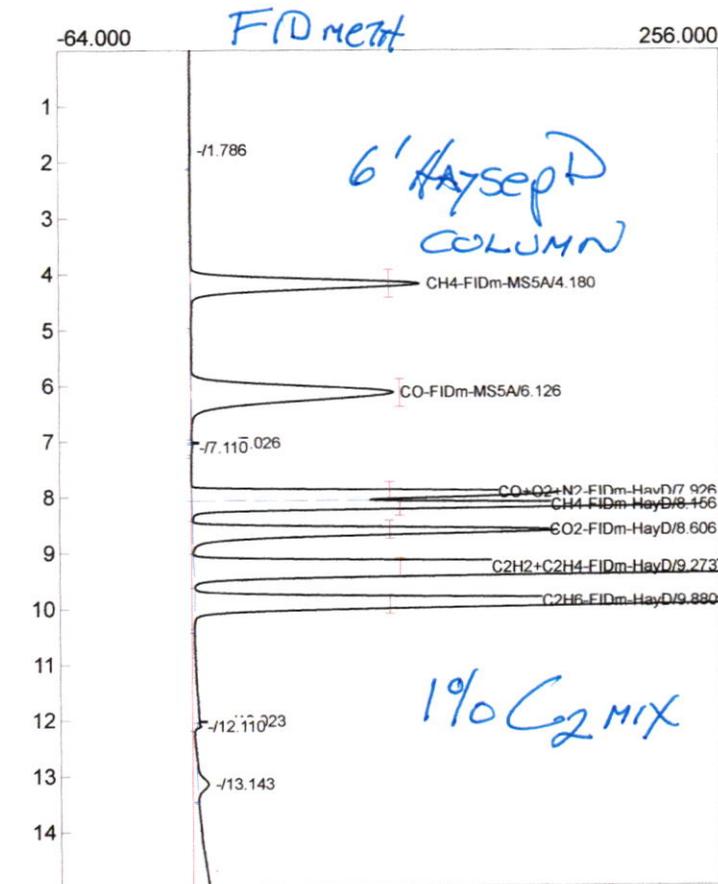
Lab name: SRI Instruments
 Client: Princeton
 Client ID: N12733
 Analysis date: 10/12/2024 09:59:32
 Method: MG5
 Description: TCD low current 100C
 Column: MG5 set 6' MS5A
 Carrier: C1=8psiH2 C2=6psiH2
 Integration: Peak sens=70.0 Base sens=60.0 Min area= 0.50 Standa
 Data file: MOPID948.chr ()
 Sample: 1% C2mix
 Comments: H2 makeup=25psi total H2 flow=90ml/min

Temperature program:

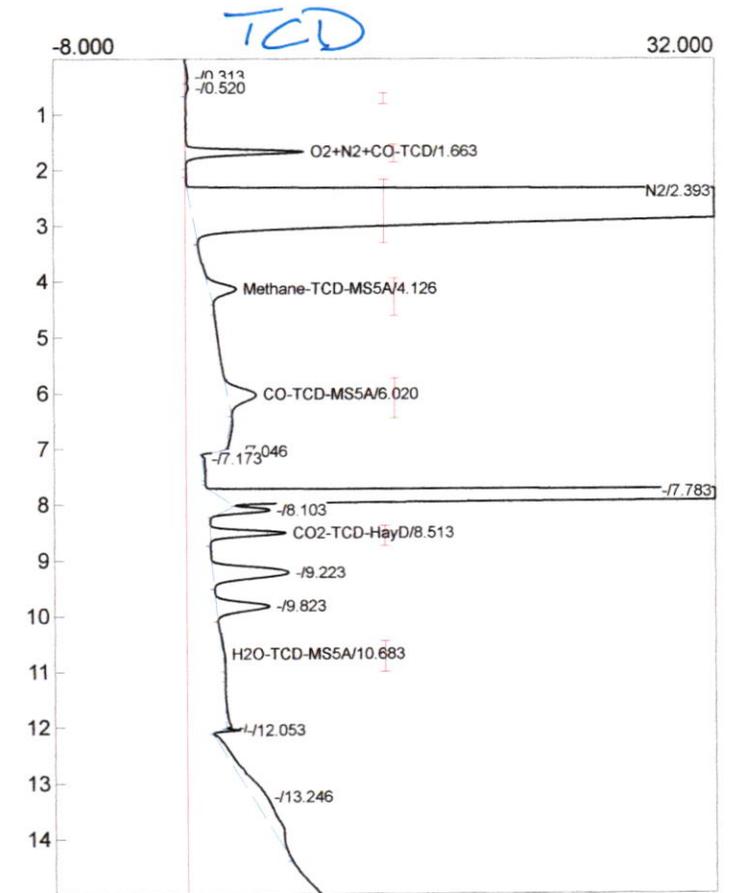
Init temp	Hold	Ramp	Final temp
-----------	------	------	------------

Events:

Time	Event
0.000	ZERO



Component	Retention	Area
CH4-FIDm-MS5A	4.180	1422.0686
CO-FIDm-MS5A	6.126	1831.1584
CO+O2+N2-FIDm-HayD	7.926	1684.2918
CH4-FIDm-HayD	8.156	1951.7366
CO2-FIDm-HayD	8.606	1706.9716
C2H2+C2H4-FIDm-HayD	9.273	6189.7518
C2H6-FIDm-HayD	9.880	3306.7986
		18092.7774



Component	Retention	Area
H2	0.000	0.0000
O2+N2+CO-TCD	1.663	45.7446
N2	2.393	2461.1362
Methane-TCD-MS5A	4.126	21.5574
CO-TCD-MS5A	6.020	28.9212
CO2-TCD-HayD	8.513	32.2785
H2O-TCD-MS5A	10.683	3.0979
		2592.7358

Lab name: SRI Instruments
 Client: Princeton
 Client ID: N12733
 Analysis date: 10/12/2024 10:25:24
 Method: MG5
 Description: FIDmeth medgain 300C
 Column: MG5 set 6' MS5A
 Carrier: C1=8psiH2 C2=6psiH2
 Integration: Peak sens=90.0 Base sens=60.0 Min area= 1.00 Standa
 Data file: MOFID1004.chr ()
 Sample: 50%CO2+5000ppm C2 mix
 Comments: H2 makeup=25psi total H2 flow=90ml/min

Temperature program:

Init temp	Hold	Ramp	Final temp
50.00	2.000	20.000	90.00
90.00	6.000	30.000	270.00
270.00	9.000	0.000	270.00

Events:

Time	Event
0.000	ZERO
0.020	G ON (Valve1)
0.500	G OFF (Valve1)
7.000	F ON (TrapHeat)
12.000	F OFF (TrapHeat)

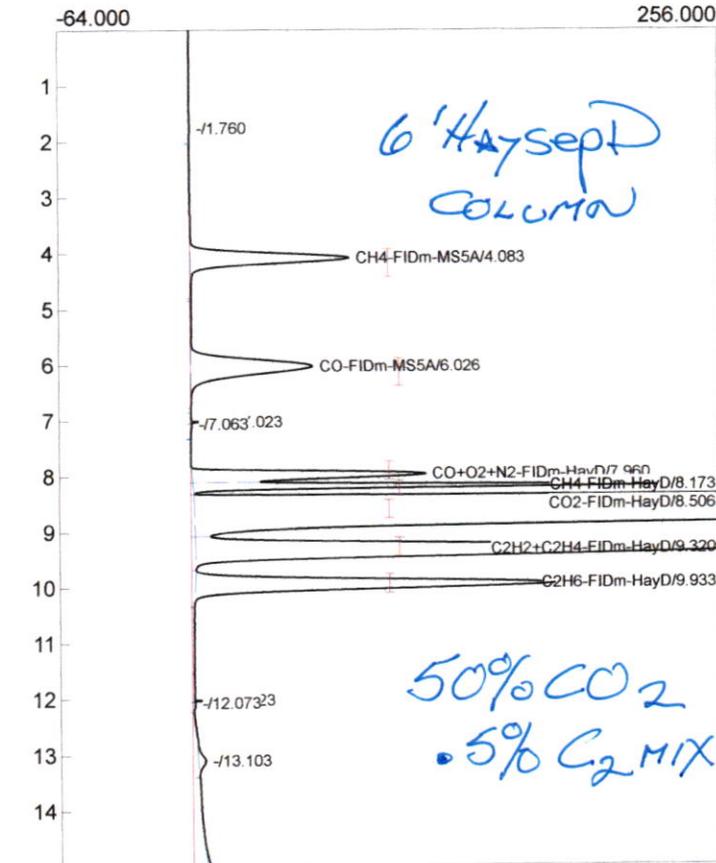
Lab name: SRI Instruments
 Client: Princeton
 Client ID: N12733
 Analysis date: 10/12/2024 10:25:24
 Method: MG5
 Description: TCD low current 100C
 Column: MG5 set 6' MS5A
 Carrier: C1=8psiH2 C2=6psiH2
 Integration: Peak sens=70.0 Base sens=60.0 Min area= 0.50 Standa
 Data file: MOPID949.chr ()
 Sample: 50%CO2+5000ppm C2 mix
 Comments: H2 makeup=25psi total H2 flow=90ml/min

Temperature program:

Init temp	Hold	Ramp	Final temp
-----------	------	------	------------

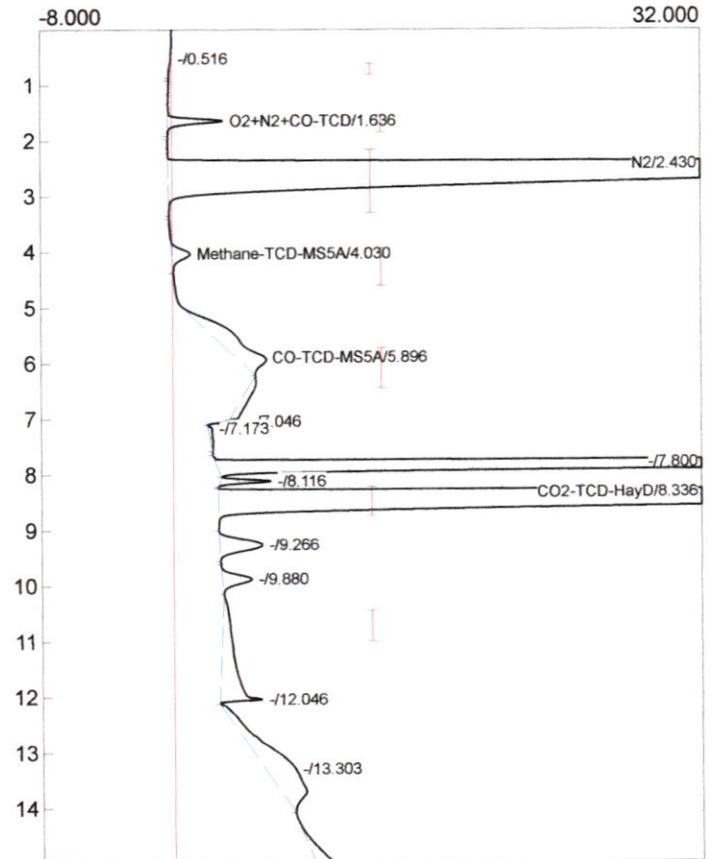
Events:

Time	Event
0.000	ZERO



Component	Retention	Area
CH4-FIDm-MS5A	4.083	971.0170
CO-FIDm-MS5A	6.026	1070.3076
CO+O2+N2-FIDm-HayD	7.960	1014.4260
CH4-FIDm-HayD	8.173	1108.3284
CO2-FIDm-HayD	8.506	53809.9658
C2H2+C2H4-FIDm-HayD	9.320	3799.7666
C2H6-FIDm-HayD	9.933	2001.3190

63775.1304



Component	Retention	Area
H2	0.000	0.0000
O2+N2+CO-TCD	1.636	20.8810
N2	2.430	1365.0756
Methane-TCD-MS5A	4.030	13.9428
CO-TCD-MS5A	5.896	73.6488
CO2-TCD-HayD	8.336	1603.8102
H2O-TCD-MS5A	0.000	0.0000

3077.3584

Lab name: SRI Instruments
 Client: Princeton
 Client ID: N12733
 Analysis date: 10/12/2024 12:19:26
 Method: MG5
 Description: FIDmeth medgain 300C
 Column: MG5 set 6' MS5A
 Carrier: C1=8psiH2 C2=6psiH2
 Integration: Peak sens=90.0 Base sens=60.0 Min area= 1.00 Standa
 Data file: MOFID1005.chr ()
 Sample: 95%CO@+1000ppm C2 mix
 Comments: H2 makeup=25psi total H2 flow=90ml/min

Temperature program:

Init temp	Hold	Ramp	Final temp
50.00	2.000	20.000	90.00
90.00	6.000	30.000	270.00
270.00	9.000	0.000	270.00

Events:

Time	Event
0.000	ZERO
0.020	G ON (Valve1)
0.500	G OFF (Valve1)
7.000	F ON (TrapHeat)
12.000	F OFF (TrapHeat)

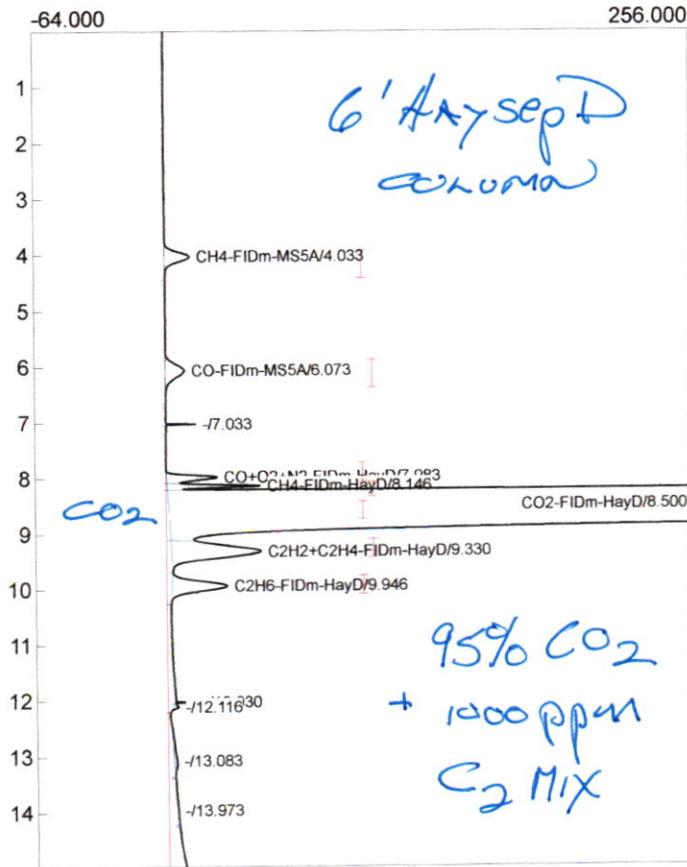
Lab name: SRI Instruments
 Client: Princeton
 Client ID: N12733
 Analysis date: 10/12/2024 12:19:26
 Method: MG5
 Description: TCD low current 100C
 Column: MG5 set 6' MS5A
 Carrier: C1=8psiH2 C2=6psiH2
 Integration: Peak sens=70.0 Base sens=60.0 Min area= 0.50 Standa
 Data file: MOPID950.chr ()
 Sample: 95%CO@+1000ppm C2 mix
 Comments: H2 makeup=25psi total H2 flow=90ml/min

Temperature program:

Init temp	Hold	Ramp	Final temp
-----------	------	------	------------

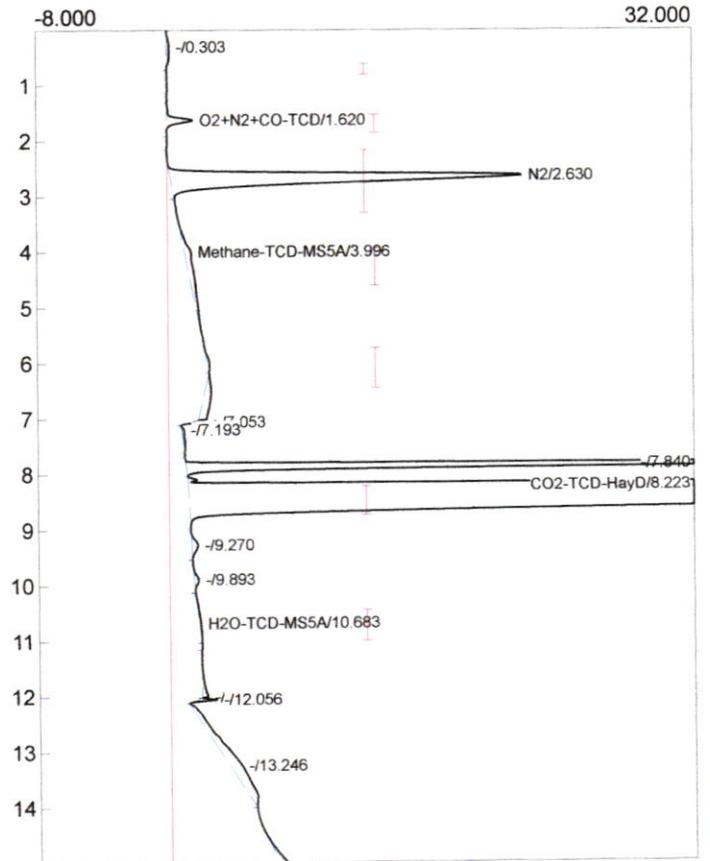
Events:

Time	Event
0.000	ZERO



Component	Retention	Area
CH4-FIDm-MS5A	4.033	148.9628
CO-FIDm-MS5A	6.073	157.8732
CO+O2+N2-FIDm-HayD	7.983	153.1093
CH4-FIDm-HayD	8.146	166.8478
CO2-FIDm-HayD	8.500	79621.8546
C2H2+C2H4-FIDm-HayD	9.330	684.1932
C2H6-FIDm-HayD	9.946	316.0656

81248.9065



Component	Retention	Area
H2	0.000	0.0000
O2+N2+CO-TCD	1.620	10.4927
N2	2.630	237.9940
Methane-TCD-MS5A	3.996	24.0182
CO-TCD-MS5A	0.000	0.0000
CO2-TCD-HayD	8.223	3343.7496
H2O-TCD-MS5A	10.683	2.9422

3619.1967

Lab name: SRI Instruments
 Client: Princeton
 Client ID: N12733
 Analysis date: 10/12/2024 14:15:49
 Method: MG5
 Description: FIDmeth medgain 300C
 Column: MG5 set 6' MS5A
 Carrier: C1=8psiH2 C2=6psiH2
 Integration: Peak sens=90.0 Base sens=60.0 Min area= 1.00 Standa
 Data file: MOFID1008.chr ()
 Sample: 95%CO@+100ppm C2 mix
 Comments: H2 makeup=25psi total H2 flow=90ml/min

Temperature program:

Init temp	Hold	Ramp	Final temp
50.00	2.000	20.000	90.00
90.00	6.000	30.000	270.00
270.00	9.000	0.000	270.00

Events:

Time	Event
0.000	ZERO
0.020	G ON (Valve1)
0.500	G OFF (Valve1)
7.000	F ON (TrapHeat)
12.000	F OFF (TrapHeat)

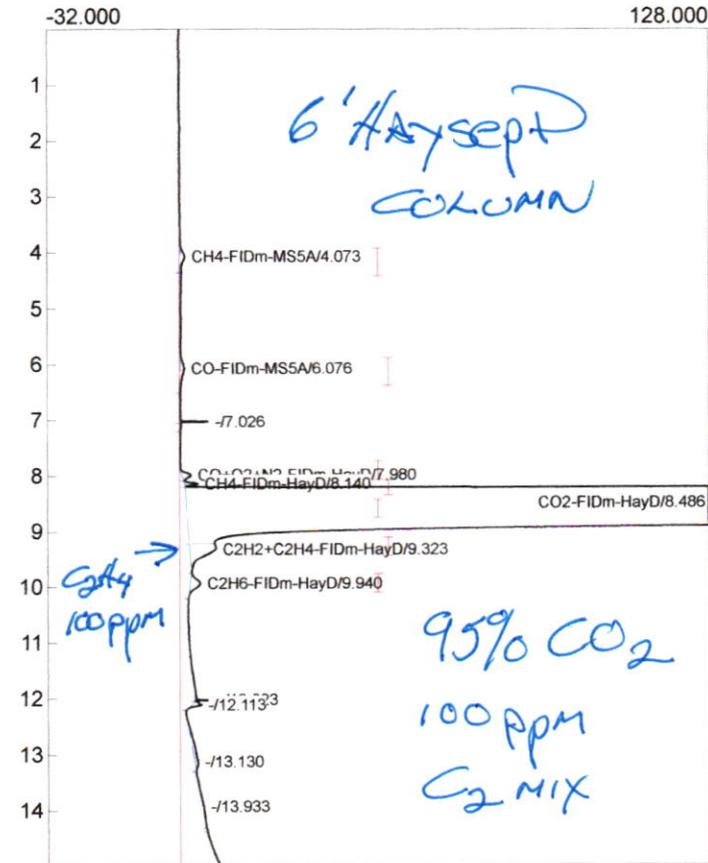
Lab name: SRI Instruments
 Client: Princeton
 Client ID: N12733
 Analysis date: 10/12/2024 14:15:49
 Method: MG5
 Description: TCD low current 100C
 Column: MG5 set 6' MS5A
 Carrier: C1=8psiH2 C2=6psiH2
 Integration: Peak sens=70.0 Base sens=60.0 Min area= 0.50 Standa
 Data file: MOPID953.chr ()
 Sample: 95%CO@+100ppm C2 mix
 Comments: H2 makeup=25psi total H2 flow=90ml/min

Temperature program:

Init temp	Hold	Ramp	Final temp
-----------	------	------	------------

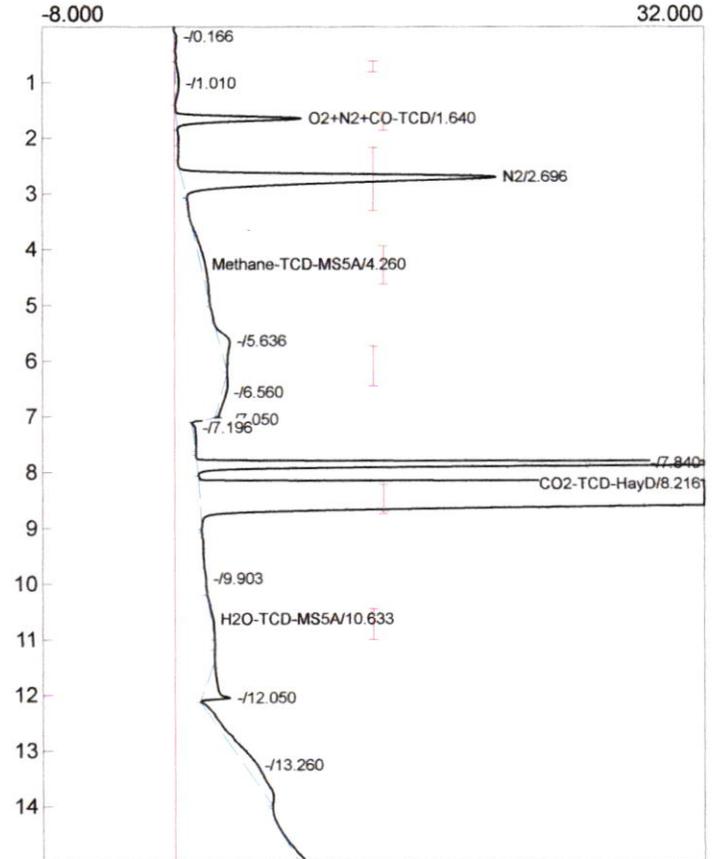
Events:

Time	Event
0.000	ZERO



Component	Retention	Area
CH4-FIDm-MS5A	4.073	13.3127
CO-FIDm-MS5A	6.076	13.9827
CO+O2+N2-FIDm-HayD	7.980	11.7014
CH4-FIDm-HayD	8.140	9.2596
CO2-FIDm-HayD	8.486	80736.5500
C2H2+C2H4-FIDm-HayD	9.323	95.3624
C2H6-FIDm-HayD	9.940	25.9996

80906.1684



Component	Retention	Area
H2	0.000	0.0000
O2+N2+CO-TCD	1.640	45.5414
N2	2.696	201.7940
Methane-TCD-MS5A	4.260	15.4046
CO-TCD-MS5A	0.000	0.0000
CO2-TCD-HayD	8.216	3373.4494
H2O-TCD-MS5A	10.633	3.3566

3639.5460

Lab name: SRI Instruments
 Client: Princeton
 Client ID: N12733
 Analysis date: 10/12/2024 16:45:36
 Method: MG5
 Description: FIDmeth medgain 300C
 Column: MG5 set 6' MS5A 12'HayD
 Carrier: C1=8psiH2 C2=12psiH2
 Integration: Peak sens=90.0 Base sens=60.0 Min area= 1.00 Standa
 Data file: MOFID1013.chr ()
 Sample: 95%CO@+1000ppm C2 mix
 Comments: H2 makeup=25psi total H2 flow=90ml/min

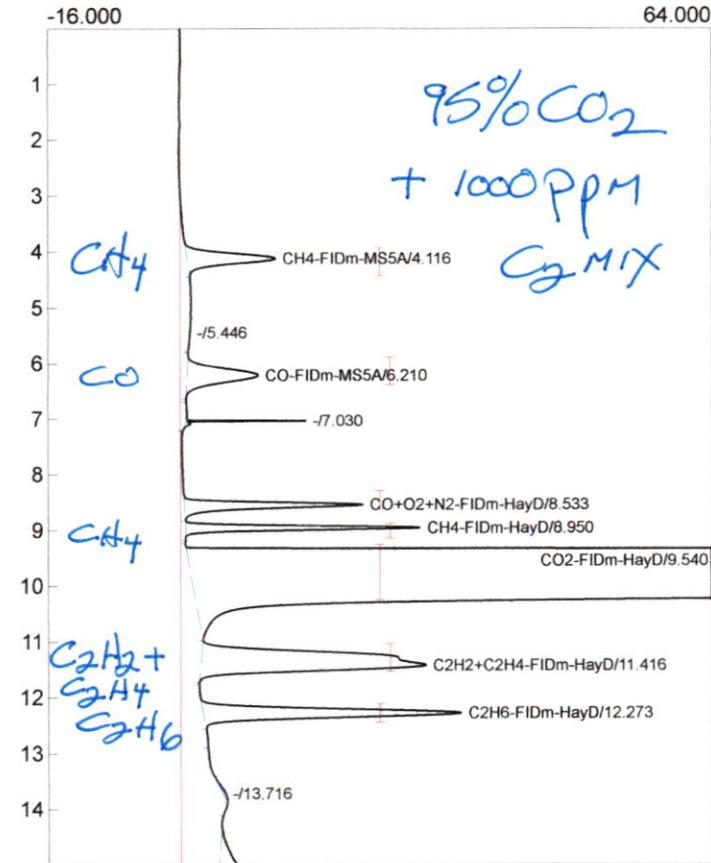
Temperature program:

Init temp	Hold	Ramp	Final temp
50.00	2.000	20.000	90.00
90.00	6.000	30.000	270.00
270.00	9.000	0.000	270.00

Events:

Time	Event
0.000	ZERO
0.020	G ON (Valve1)
0.500	G OFF (Valve1)
7.000	F ON (TrapHeat)
15.000	F OFF (TrapHeat)

*12' Haysept
COLUMN*



Component	Retention	Area
CH4-FIDm-MS5A	4.116	133.3226
CO-FIDm-MS5A	6.210	142.7074
CO+O2+N2-FIDm-HayD	8.533	155.3560
CH4-FIDm-HayD	8.950	153.3387
CO2-FIDm-HayD	9.540	101961.6596
C2H2+C2H4-FIDm-HayD	11.416	556.0825
C2H6-FIDm-HayD	12.273	321.0645

103423.5313

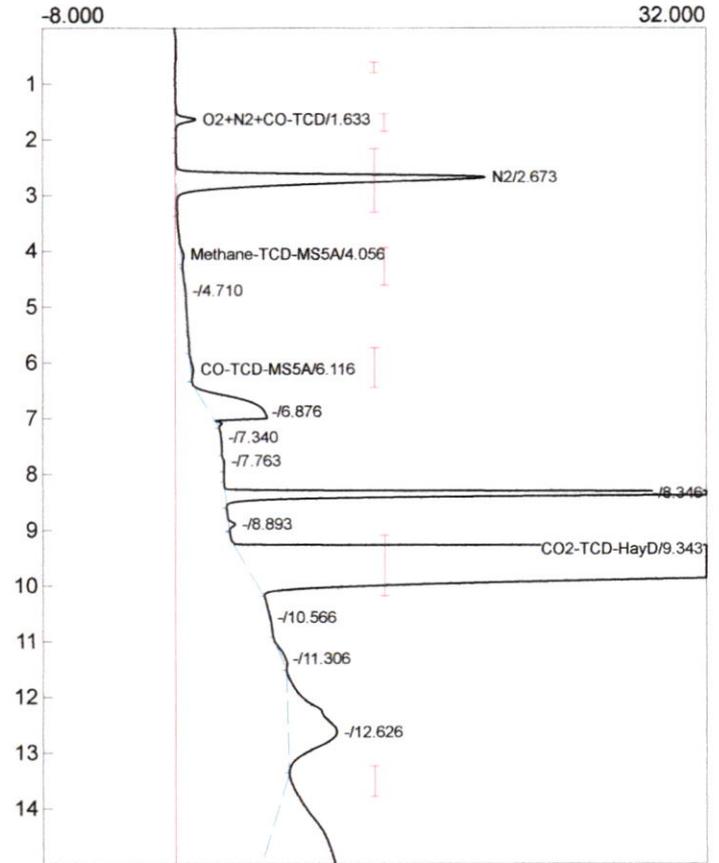
Lab name: SRI Instruments
 Client: Princeton
 Client ID: N12733
 Analysis date: 10/12/2024 16:45:36
 Method: MG5
 Description: TCD low current 100C
 Column: MG5 set 6' MS5A 12'HayD
 Carrier: C1=8psiH2 C2=12psiH2
 Integration: Peak sens=70.0 Base sens=60.0 Min area= 0.50 Standa
 Data file: MOPID958.chr ()
 Sample: 95%CO@+1000ppm C2 mix
 Comments: H2 makeup=25psi total H2 flow=90ml/min

Temperature program:

Init temp	Hold	Ramp	Final temp
-----------	------	------	------------

Events:

Time	Event
0.000	ZERO



Component	Retention	Area
H2	0.000	0.0000
O2+N2+CO-TCD	1.633	8.2832
N2	2.673	207.0788
Methane-TCD-MS5A	4.056	1.4896
CO-TCD-MS5A	6.116	1.9966
CO2-TCD-HayD	9.343	3098.1376
H2O-TCD-MS5A	0.000	0.0000

3316.9858

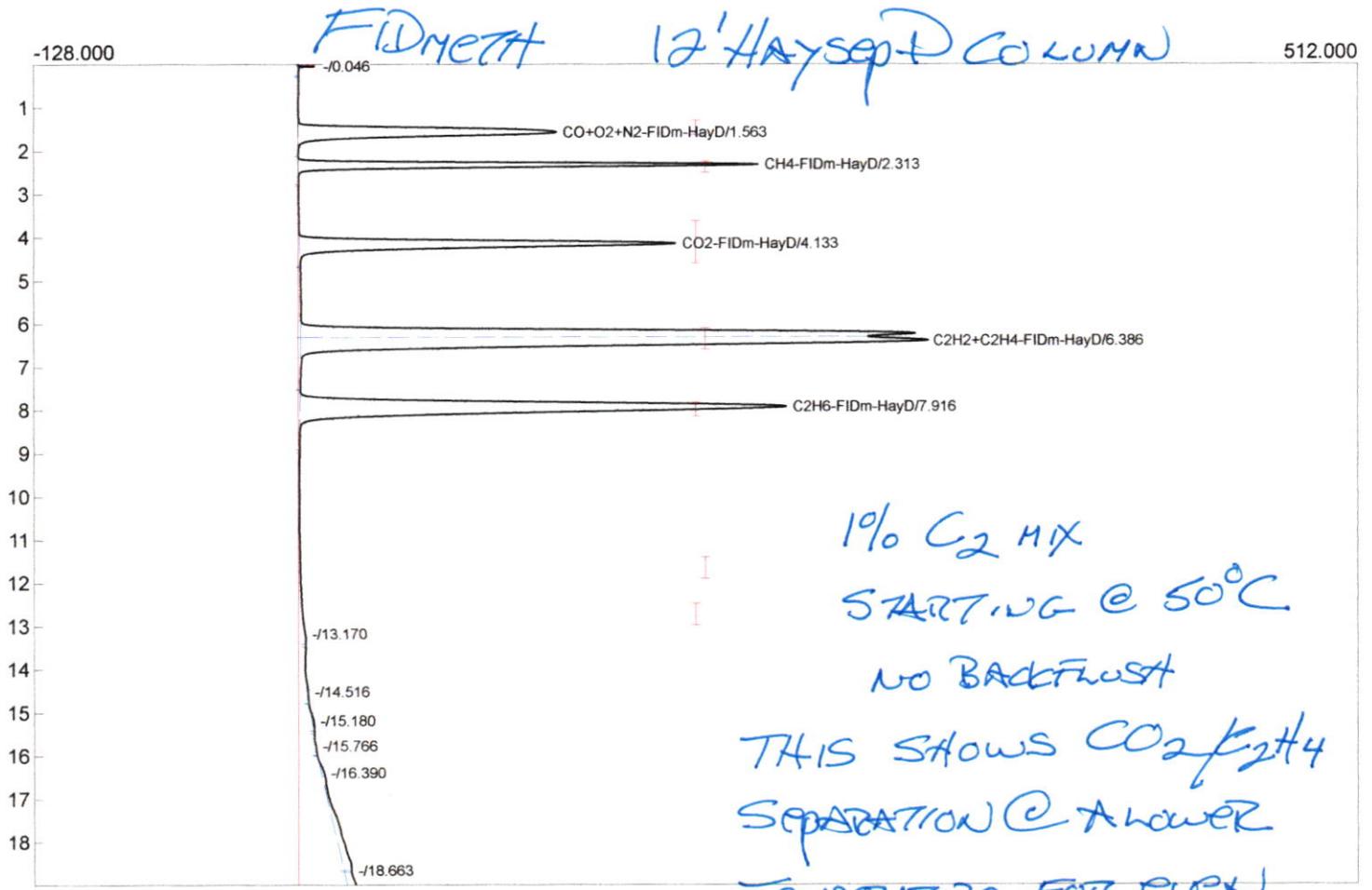
Lab name: SRI Instruments
 Client: Princeton
 Client ID: N12733
 Analysis date: 10/13/2024 09:32:32
 Method: MG5
 Description: FIDmeth medgain 300C
 Column: MG5 set 6' MS5A 12'HayD
 Carrier: C1=8psiH2 C2=12psiH2
 Integration: Peak sens=90.0 Base sens=60.0 Min area= 1.00 Standard= 1.000 Sample= 1.000 Tangents=off
 Data file: MOFID1018.chr ()
 Sample: 1% C2 mix
 Comments: H2 makeup=25psi total H2 flow=90ml/min

Temperature program:

Init temp	Hold	Ramp	Final temp
50.00	2.000	20.000	90.00
90.00	6.000	30.000	270.00
270.00	9.000	0.000	270.00

Events:

Time	Event
0.000	ZERO
0.020	F ON (TrapHeat)



Component	Retention	Area
CO+O2+N2-FIDm-HayD	1.563	1576.1262
CH4-FIDm-HayD	2.313	1522.6972
CO2-FIDm-HayD	4.133	1930.9694
C2H2+C2H4-FIDm-HayD	6.386	3854.5994
C2H6-FIDm-HayD	7.916	3584.4062
CO-FIDm-MS5A	0.000	0.0000
CH4-FIDm-MS5A	0.000	0.0000
		12468.7984

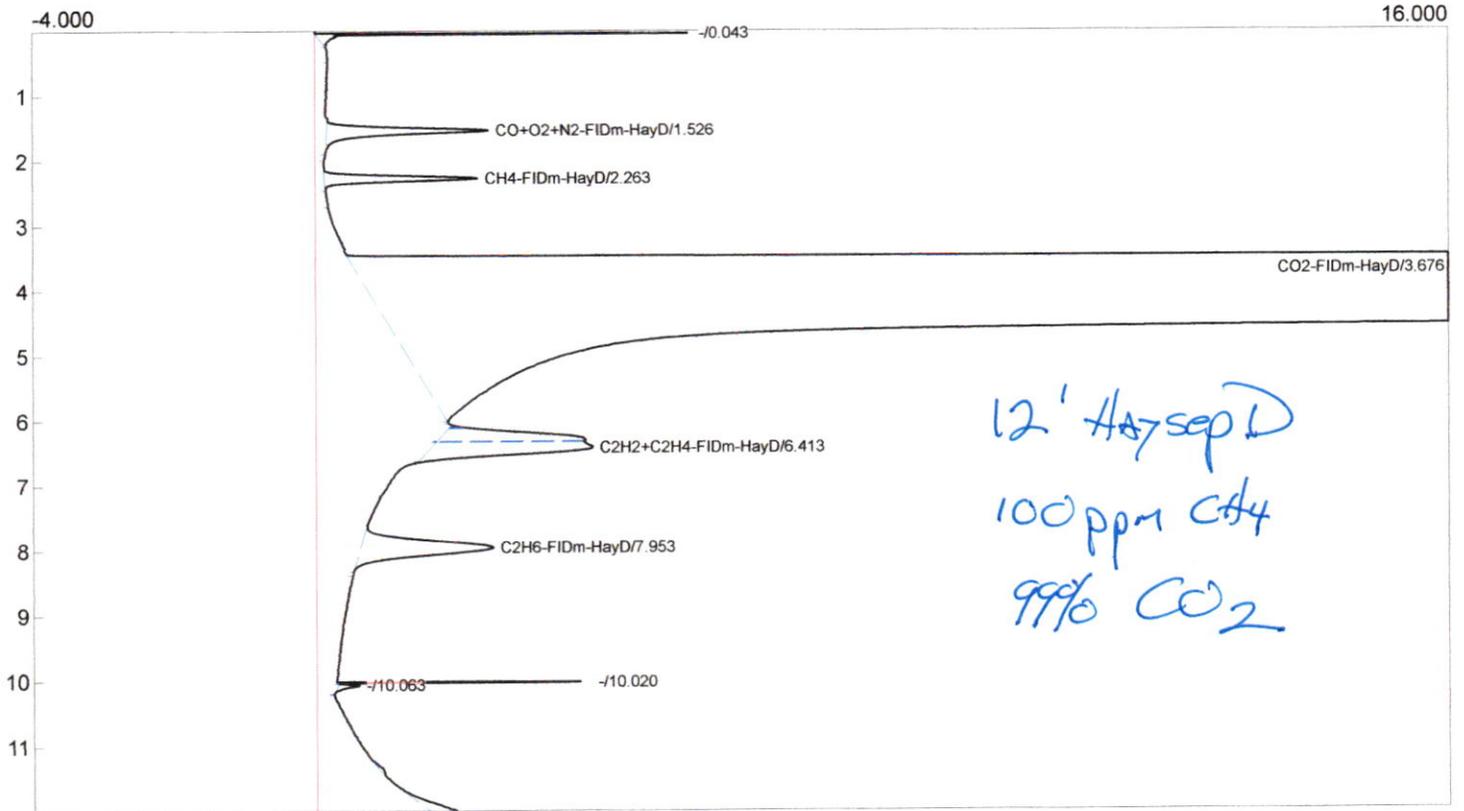
Lab name: SRI Instruments
 Client: Princeton
 Client ID: N12733
 Analysis date: 10/13/2024 15:32:30
 Method: MG5
 Description: FIDmeth medgain 300C
 Column: MG5 set 6' MS5A 12'HayD
 Carrier: C1=8psiH2 C2=12psiH2
 Integration: Peak sens=90.0 Base sens=60.0 Min area= 1.00 Standard= 1.000 Sample= 1.000 Tangents=off
 Data file: MOFID1024.chr ()
 Sample: 95%CO2+100ppm C2H4
 Comments: H2 makeup=25psi total H2 flow=90ml/min

Temperature program:

Init temp	Hold	Ramp	Final temp
50.00	2.000	20.000	90.00
90.00	6.000	30.000	270.00
270.00	9.000	0.000	270.00

Events:

Time	Event
0.000	ZERO
0.020	F ON (TrapHeat)
10.000	F OFF (TrapHeat)



Component	Retention	Area
CO+O2+N2-FIDm-HayD	1.526	16.4560
CH4-FIDm-HayD	2.263	12.4550
CO2-FIDm-HayD	3.676	116209.2017
C2H2+C2H4-FIDm-HayD	6.413	28.2210
C2H6-FIDm-HayD	7.953	28.3488
CO-FIDm-MS5A	0.000	0.0000
CH4-FIDm-MS5A	0.000	0.0000

116294.6825