

Lab name: SRI Final test/UnivWah
 Client: WUSTL-Zhaoxi
 Client ID: N12618
 Analysis date: 07/17/2026 11:45:18
 Method: MG5 12' HayD
 Description: FIDmeth 310C medgain
 Column: MG5 set 12' HayD
 Carrier: Argon@C1=20C2=20psi
 Integration: Peak sens=95.0 Base sens=60.0 Min area= 0.10 Standard
 Data file: BreakSyringe-147.CHR ()
 Sample: 1% mix

Temperature program:

Init temp Hold Ramp Final temp
 90.00 12.000 0.000 90.00

Events:

Time Event
 0.000 ZERO
 0.020 G ON (Valve1-MS5A)
 0.800 G OFF (Valve1-MS5A)
 4.500 F ON (Valve2-HayD)

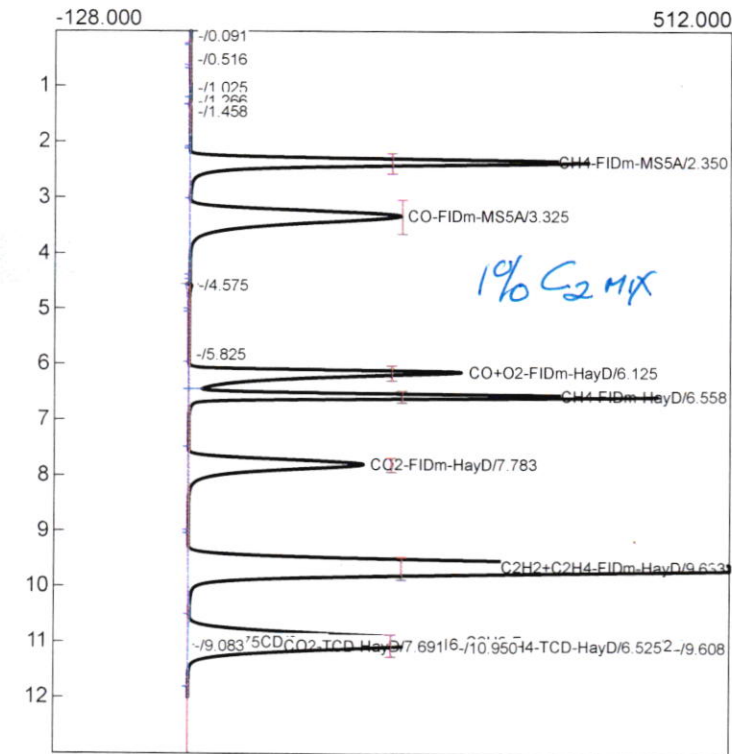
Lab name: SRI Final test/UnivWah
 Client: WUSTL-Zhaoxi
 Client ID: N12618
 Analysis date: 07/17/2026 11:45:18
 Method: MG5 12' HayD
 Description: RGD Chaennl 2
 Column: MG5 set 12' HayD
 Carrier: Argon@C1=20C2=20psi
 Integration: Peak sens=80.0 Base sens=60.0 Min area= 0.50 Standard
 Data file: tcouple377.CHR ()
 Sample: 1% mix

Temperature program:

Init temp Hold Ramp Final temp

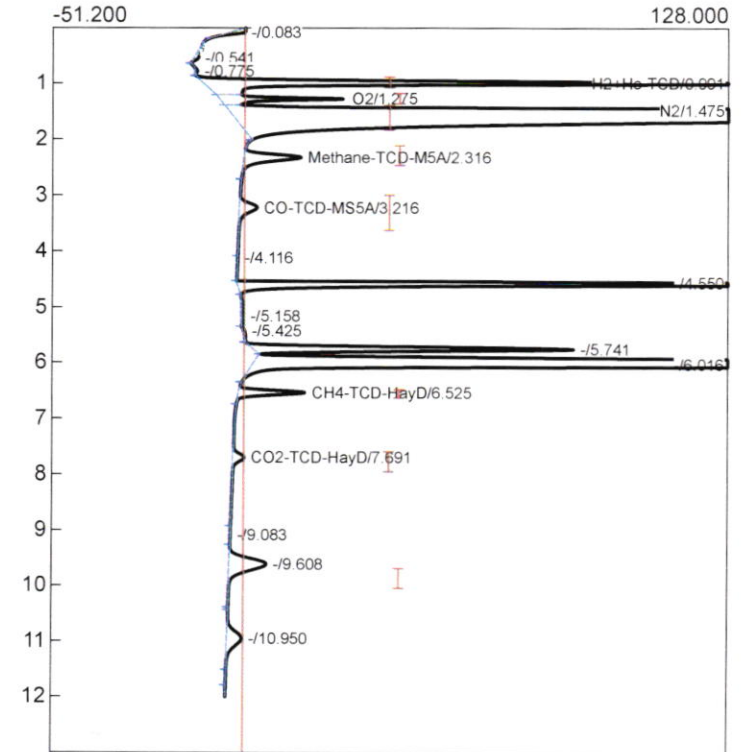
Events:

Time Event
 0.000 ZERO
 0.700 INTEG BASED IMMEDIATE
 2.000 INTEG BASED IMMEDIATE



Component	Retention	Area	Internal	Units
CH4-FIDm-MS5A	2.350	3307.8110	975.0289	ppm
CO-FIDm-MS5A	3.325	3298.1340	917.3644	ppm
CO+O2-FIDm-HayD	6.125	2453.5703	9338.6647	%
CH4-FIDm-HayD	6.558	2592.3915	9598.1795	%
CO2-FIDm-HayD	7.783	2252.6127	9814.7876	ppm
C2H2+C2H4-FIDm-HayD	9.633	9295.2257	34726.2476	ppm
C2H6-FIDm-HayD	10.975	4873.4897	24412.9178	ppm
H2+He-TCD	0.991	746.6245	11552.7780	ppm
O2	1.275	146.2640	20545.0051	ppm
N2	1.475	4996.5370	93.1028	%
Methane-TCD-M5A	2.316	127.1015	10042.5480	%
CO-TCD-MS5A	3.216	54.4685	99152.9805	%
CH4-TCD-HayD	6.525	98.3222	9760.5823	%
CO2-TCD-HayD	7.691	31.9398	10430.3279	%

34274.4925 251360.5149



Component	Retention	Area	Internal	Units
H2+He-TCD	0.991	746.6245	11552.7780	ppm
O2	1.275	146.2640	20545.0051	ppm
N2	1.475	4996.5370	93.1028	%
Methane-TCD-M5A	2.316	127.1015	10042.5480	%
CO-TCD-MS5A	3.216	54.4685	99152.9805	%
CH4-TCD-HayD	6.525	98.3222	9760.5823	%
CO2-TCD-HayD	7.691	31.9398	10430.3279	%

6201.2575 161577.3244

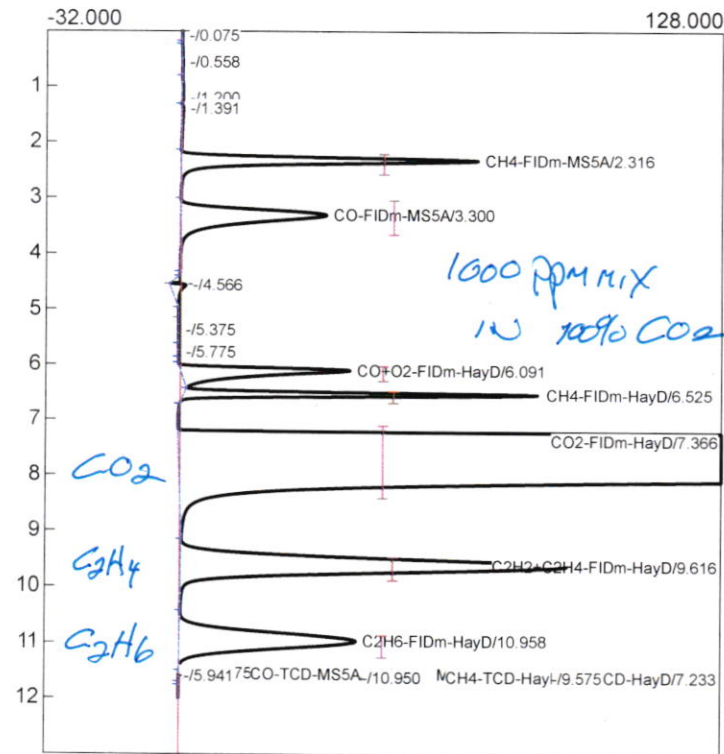
Lab name: SRI Final test/UnivWah
 Client: WUSTL-Zhaoxi
 Client ID: N12618
 Analysis date: 07/17/2026 12:00:21
 Method: MG5 12' HayD
 Description: FIDmeth 310C medgain
 Column: MG5 set 12' HayD
 Carrier: Argon@C1=20C2=20psi
 Integration: Peak sens=95.0 Base sens=60.0 Min area= 0.10 Standard
 Data file: BreakSyringe-148.CHR ()
 Sample: 1000ppm C2 mix in 99% CO2

Temperature program:

Init temp Hold Ramp Final temp
 90.00 12.000 0.000 90.00

Events:

Time Event
 0.000 ZERO
 0.020 G ON (Valve1-MS5A)
 0.800 G OFF (Valve1-MS5A)
 4.500 F ON (Valve2-HayD)



Component	Retention	Area	Internal	Units
CH4-FIDm-MS5A	2.316	552.3288	162.8075	ppm
CO-FIDm-MS5A	3.300	547.3210	152.2354	ppm
CO+O2-FIDm-HayD	6.091	381.3515	1451.4823	%
CH4-FIDm-HayD	6.525	410.7875	1520.9169	%
CO2-FIDm-HayD	7.366	70346.8455	306506.0092	ppm
C2H2+C2H4-FIDm-HayD	9.616	1570.3410	5866.6731	ppm
C2H6-FIDm-HayD	10.958	824.5253	4130.3190	ppm
H2+He-TCD	0.958	58.1232	899.3611	ppm
O2	1.266	55.4545	7789.4286	ppm
N2	1.575	910.8107	16.9716	%
Methane-TCD-M5A	2.291	20.4930	1619.1936	%
CO-TCD-MS5A	3.191	9.0700	16510.7821	%
CH4-TCD-HayD	6.500	23.2355	2306.6194	%
CO2-TCD-HayD	7.233	2323.1962	758669.0125	%

78033.8838 1107601.8122

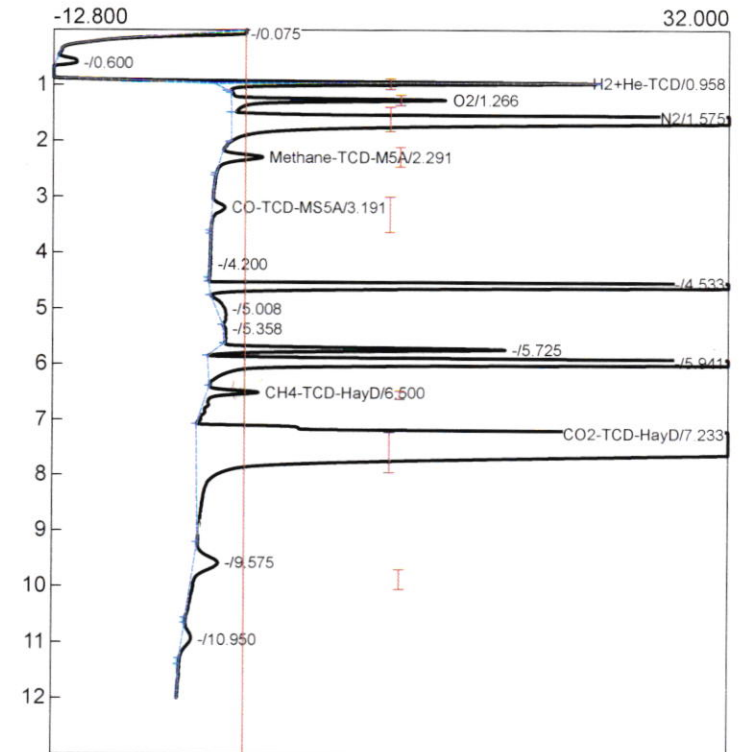
Lab name: SRI Final test/UnivWah
 Client: WUSTL-Zhaoxi
 Client ID: N12618
 Analysis date: 07/17/2026 12:00:21
 Method: MG5 12' HayD
 Description: RGD Chaennl 2
 Column: MG5 set 12' HayD
 Carrier: Argon@C1=20C2=20psi
 Integration: Peak sens=80.0 Base sens=60.0 Min area= 0.50 Standard
 Data file: tcouple378.CHR ()
 Sample: 1000ppm C2 mix in 99% CO2

Temperature program:

Init temp Hold Ramp Final temp

Events:

Time Event
 0.000 ZERO
 0.700 INTEG BASED IMMEDIATE
 2.000 INTEG BASED IMMEDIATE



Component	Retention	Area	Internal	Units
H2+He-TCD	0.958	58.1232	899.3611	ppm
O2	1.266	55.4545	7789.4286	ppm
N2	1.575	910.8107	16.9716	%
Methane-TCD-M5A	2.291	20.4930	1619.1936	%
CO-TCD-MS5A	3.191	9.0700	16510.7821	%
CH4-TCD-HayD	6.500	23.2355	2306.6194	%
CO2-TCD-HayD	7.233	2323.1962	758669.0125	%
		3400.3832	787811.3688	

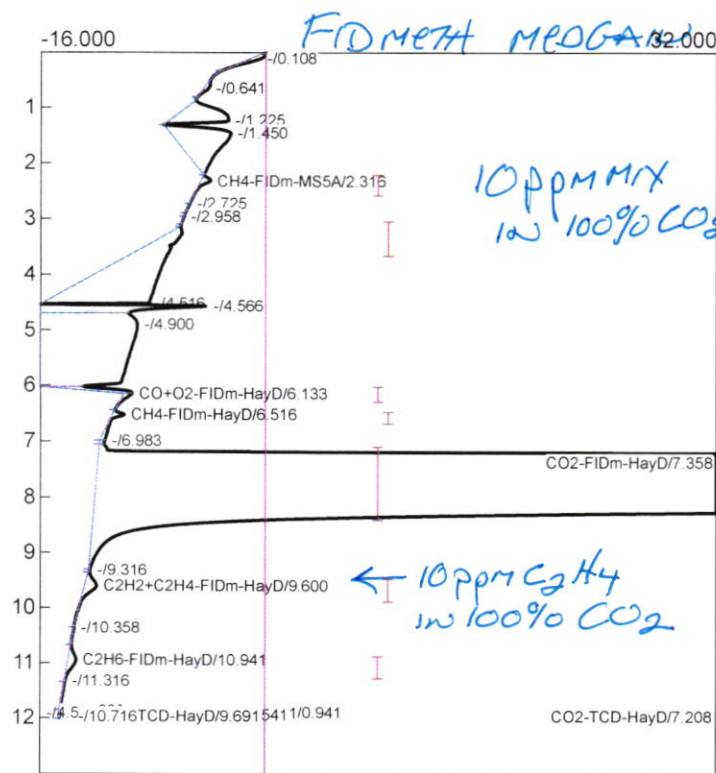
Lab name: SRI Final test/UnivWah
 Client: WUSTL-Zhaoxi
 Client ID: N12618
 Analysis date: 07/17/2026 12:53:06
 Method: MG5 12' HayD
 Description: FIDmeth 310C medgain
 Column: MG5 set 12' HayD
 Carrier: Argon@C1=20C2=20psi
 Integration: Peak sens=95.0 Base sens=60.0 Min area= 0.10 Standard
 Data file: BreakSyringe-149.CHR ()
 Sample: 10ppm C2 mix in 99% CO2

Temperature program:

Init temp 90.00 Hold 12.000 Ramp 0.000 Final temp 90.00

Events:

Time Event
 0.000 ZERO
 0.020 G ON (Valve1-MS5A)
 0.800 G OFF (Valve1-MS5A)
 4.500 F ON (Valve2-HayD)



Component	Retention	Area	Internal	Units
CH4-FIDm-MS5A	2.316	5.8117	1.7131	ppm
CO+O2-FIDm-HayD	6.133	26.1010	99.3444	%
CH4-FIDm-HayD	6.516	8.7660	32.4556	ppm
CO2-FIDm-HayD	7.358	78296.2710	341142.1989	ppm
C2H2+C2H4-FIDm-HayD	9.600	13.9320	52.0489	ppm
C2H6-FIDm-HayD	10.941	11.7315	58.7670	ppm
H2+He-TCD	0.941	6.5290	101.0255	ppm
O2	1.258	164.2082	23065.5481	ppm
N2	1.591	488.2025	9.0969	%
CH4-TCD-HayD	6.541	0.6022	59.7862	%
CO2-TCD-HayD	7.208	2646.2955	864181.1443	%
H2O-TCD-HayD	9.691	1.0268	0.0000	%

81669.4775 1228803.1288

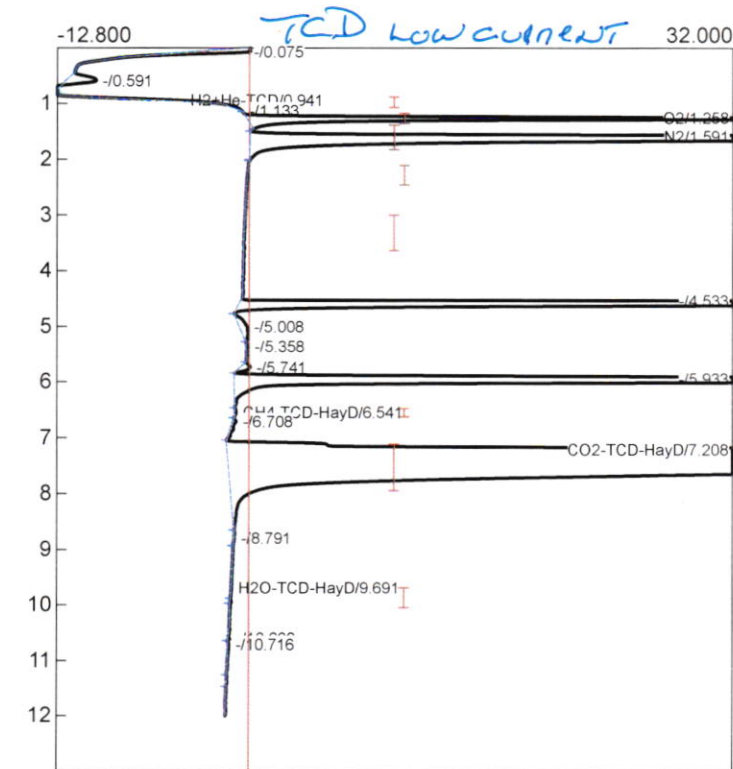
Lab name: SRI Final test/UnivWah
 Client: WUSTL-Zhaoxi
 Client ID: N12618
 Analysis date: 07/17/2026 12:53:06
 Method: MG5 12' HayD
 Description: RGD Chaennl 2
 Column: MG5 set 12' HayD
 Carrier: Argon@C1=20C2=20psi
 Integration: Peak sens=80.0 Base sens=60.0 Min area= 0.50 Standard
 Data file: tcouple379.CHR ()
 Sample: 10ppm C2 mix in 99% CO2

Temperature program:

Init temp 90.00 Hold 12.000 Ramp 0.000 Final temp 90.00

Events:

Time Event
 0.000 ZERO
 1.000 INTEG BASED IMMEDIATE
 2.000 INTEG BASED IMMEDIATE



Component	Retention	Area	Internal	Units
H2+He-TCD	0.941	6.5290	101.0255	ppm
O2	1.258	164.2082	23065.5481	ppm
N2	1.591	488.2025	9.0969	%
CH4-TCD-HayD	6.541	0.6022	59.7862	%
CO2-TCD-HayD	7.208	2646.2955	864181.1443	%
H2O-TCD-HayD	9.691	1.0268	0.0000	%

3306.8643 887416.6009