

Lab name: SRI Instruments  
 Client: USDAARS  
 Client ID: N12104  
 Method: GHG+TCDvalve  
 Description: FIDmeth medgain 300C  
 Column: GHGset  
 Carrier: N2@30psi Argon@16psi  
 Integration: Peak sens=90.0 Base sens=10.0 Min  
 Data file: BlayneFPD328.chr ()  
 Sample: 1% mix

Lab name: SRI Instruments  
 Client: USDAARS  
 Client ID: N12104  
 Method: GHG+TCDvalve  
 Description: ECD 350C SC=300  
 Column: GHGset  
 Carrier: N2@30psi Argon@16psi  
 Integration: Peak sens=70.0 Base sens=60.0 Min  
 Data file: BlayneFID279.chr ()  
 Sample: 1% mix

Lab name: SRI Instruments  
 Client: USDAARS  
 Client ID: N12104  
 Method: GHG+TCDvalve  
 Description: TCD lowcurrent 100C  
 Column: GHGset  
 Carrier: N2@30psi Argon@16psi  
 Integration: Peak sens=95.0 Base sens=10.0 Min  
 Data file: Mayo704.chr ()  
 Sample: 1% mix

Temperature program:

Init temp	Hold	Ramp	Final temp
70.00	10.000	0.000	70.00

Time	Event
0.000	ZERO
0.020	G ON (Valve1Rotate)
0.050	F ON (Trap1Heat)
0.700	F OFF (Trap1Heat)
1.500	G OFF (Valve1Rotate)
1.500	H ON (BackflushSolenoid)
2.200	INTEG IMMEDIATE
6.000	H OFF (BackflushSolenoid)

Temperature program:

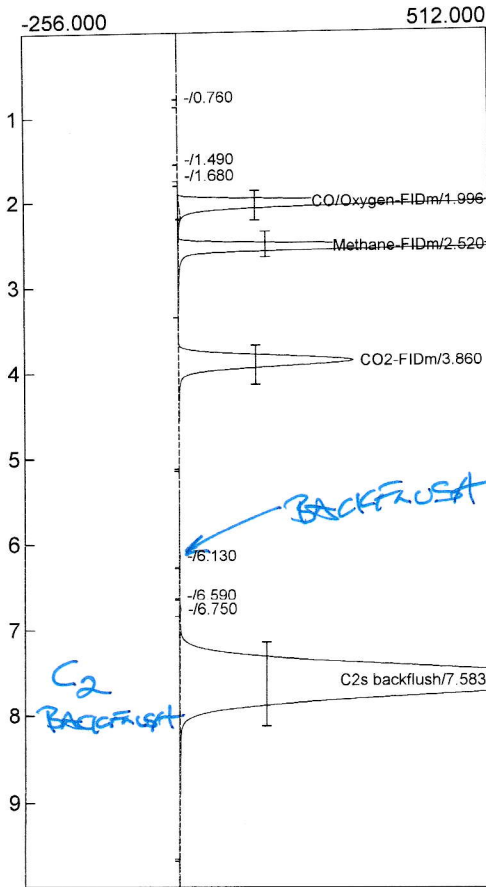
Init temp	Hold	Ramp	Final temp
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Time	Event
0.000	ZERO
1.000	INTEG IMMEDIATE
3.500	INTEG IMMEDIATE
5.000	INTEG IMMEDIATE

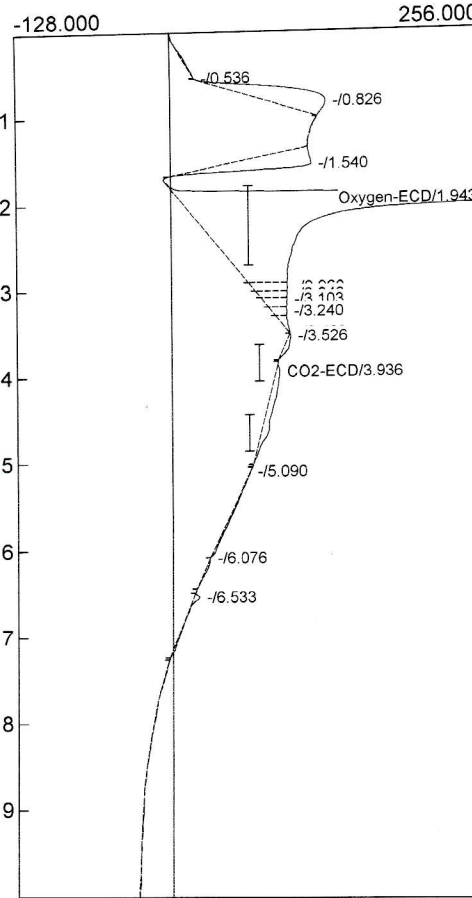
Temperature program:

Init temp	Hold	Ramp	Final temp
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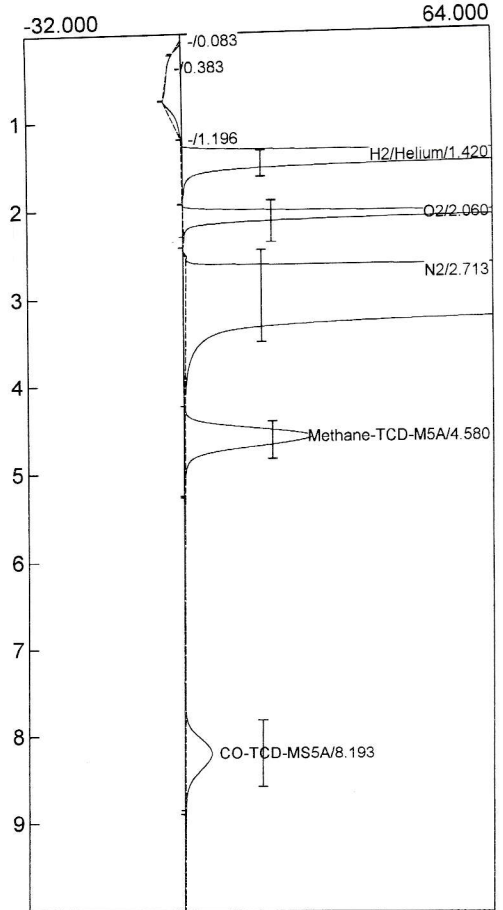
Time	Event
0.000	ZERO
1.200	INTEG IMMEDIATE



Component	Retention	Area	Internal	Units
CO/Oxygen-FIDm	1.996	2711.3666	9487.0725	ppm
Methane-FIDm	2.520	2685.0482	10250.7115	ppm
CO2-FIDm	3.860	2694.0469	11282.6599	ppm
C2s backflush	7.583	17121.2038	0.0000	ppm



Component	Retention	Area	Internal	Units
Oxygen-ECD	1.943	6979.9601	0.0000	ppm
CO2-ECD	3.936	256.3634	0.0000	ppm
N2O-ECD	0.000	0.0000	0.0000	ppm
		7236.3235	0.0000	



Component	Retention	Area	Internal	Units
H2/Helium	1.420	1739.0420	10157.2502	ppm
O2	2.060	444.3457	13871.2686	ppm
N2	2.713	13456.9854	42773102.6497	ppm
Methane-TCD-MSA	4.580	376.7844	10418.8911	ppm
CO-TCD-MS5A	8.193	139.4660	9301.4043	ppm
CO2-TCD-HayD	0.000	0.0000	0.0000	%
CO2-TCD-MS5A	0.000	0.0000	0.0000	%
Water	0.000	0.0000	0.0000	%

16156.6235 42816851.4638

1% mix  
 BACKFLUSH C2S

Lab name: SRI Instruments  
 Client: USDAARS  
 Client ID: N12104  
 Method: GHG+TCDvalve  
 Description: FIDmeth medgain 300C  
 Column: GHGset  
 Carrier: N2@30psi Argon@16psi  
 Integration: Peak sens=90.0 Base sens=10.0 Min  
 Data file: BlayneFPD327.chr ()  
 Sample: 1% mix

Lab name: SRI Instruments  
 Client: USDAARS  
 Client ID: N12104  
 Method: GHG+TCDvalve  
 Description: ECD 350C SC=300  
 Column: GHGset  
 Carrier: N2@30psi Argon@16psi  
 Integration: Peak sens=70.0 Base sens=60.0 Min  
 Data file: BlayneFID278.chr ()  
 Sample: 1% mix

Lab name: SRI Instruments  
 Client: USDAARS  
 Client ID: N12104  
 Method: GHG+TCDvalve  
 Description: TCD lowcurrent 100C  
 Column: GHGset  
 Carrier: N2@30psi Argon@16psi  
 Integration: Peak sens=95.0 Base sens=10.0 Min  
 Data file: Mayo703.chr ()  
 Sample: 1% mix

Temperature program:

Init temp	Hold	Ramp	Final temp
70.00	10.000	0.000	70.00

Events:

Time	Event
0.000	ZERO
0.020	G ON (Valve1Rotate)
0.050	F ON (Trap1Heat)
0.700	F OFF (Trap1Heat)
1.500	G OFF (Valve1Rotate)
1.500	H ON (BackflushSolenoid)
2.200	INTEG IMMEDIATE
6.000	H OFF (BackflushSolenoid)

Temperature program:

Init temp	Hold	Ramp	Final temp
70.00	10.000	0.000	70.00

Events:

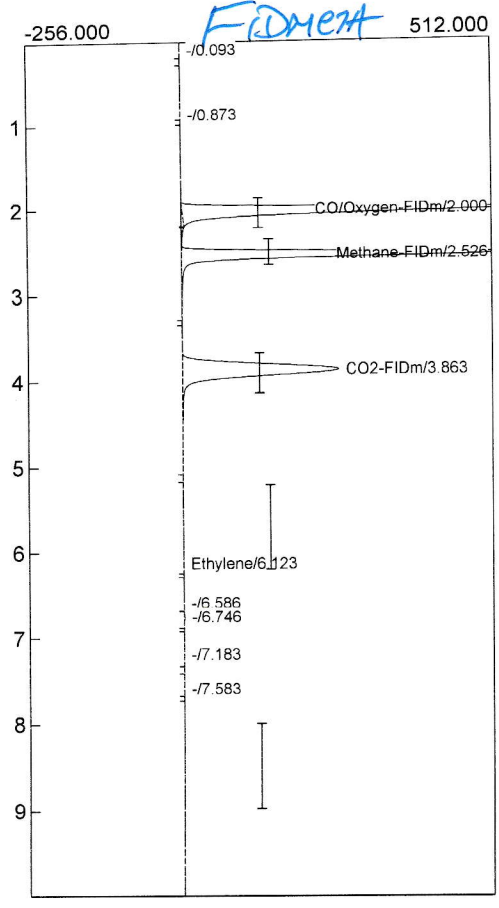
Time	Event
0.000	ZERO
1.000	INTEG IMMEDIATE
3.500	INTEG IMMEDIATE
5.000	INTEG IMMEDIATE

Temperature program:

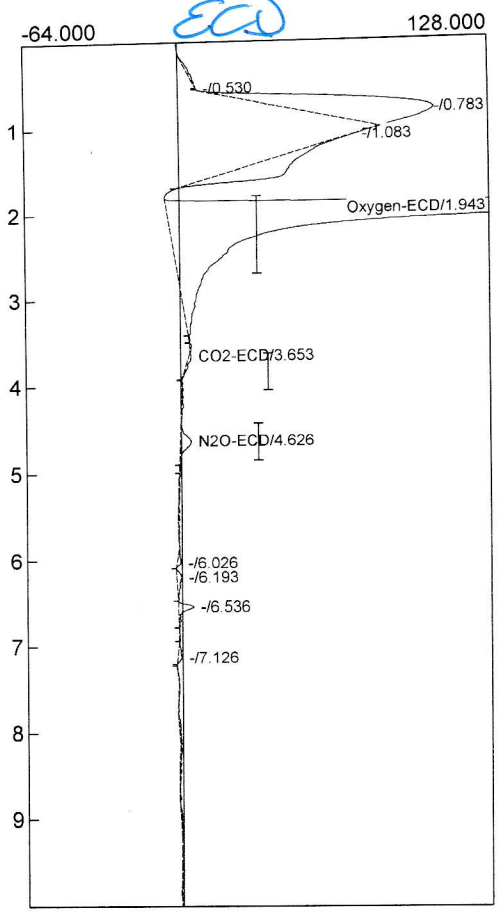
Init temp	Hold	Ramp	Final temp
70.00	10.000	0.000	70.00

Events:

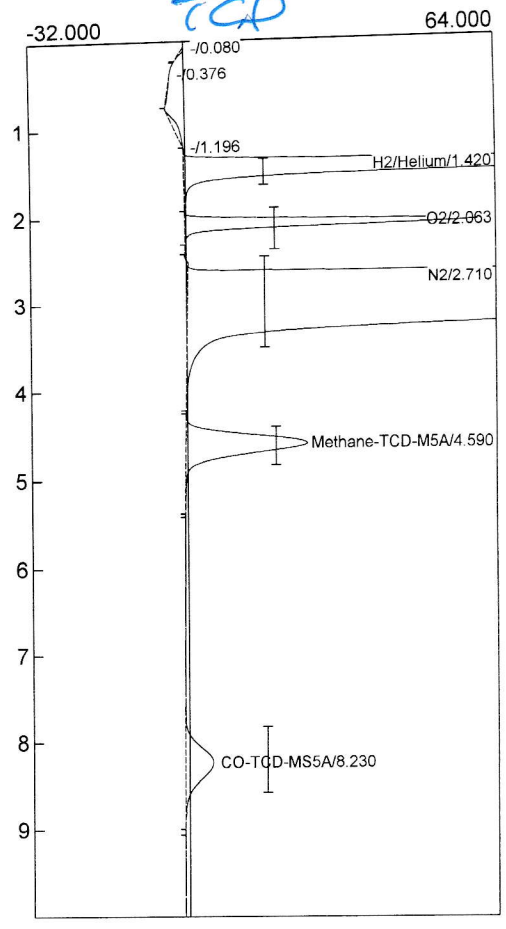
Time	Event
0.000	ZERO
1.200	INTEG IMMEDIATE



Component	Retention	Area	Internal	Units
CO/Oxygen-FIDm	2.000	2857.9592	10000.0000	ppm
Methane-FIDm	2.526	2619.3774	10000.0000	ppm
CO2-FIDm	3.863	2387.7764	10000.0000	ppm
Ethylene	6.123	1.4092	0.0000	ppm
C2H2+C2H4backflush	0.000	0.0000	0.0000	ppm
		7866.5222	30000.0000	



Component	Retention	Area	Internal	Units
Oxygen-ECD	1.943	4820.2146	0.0000	ppm
CO2-ECD	3.653	11.2710	0.0000	ppm
N2O-ECD	4.626	49.8526	0.0000	ppm
		4881.3382	0.0000	



Component	Retention	Area	Internal	Units
H2/Helium	1.420	1728.4756	10095.5348	ppm
O2	2.063	320.3353	10000.0000	ppm
N2	2.710	13914.2118	44226399.2952	ppm
Methane-TCD-M5A	4.590	361.6358	10000.0000	ppm
CO-TCD-MS5A	8.230	149.9408	10000.0000	ppm
CO2-TCD-HayD	0.000	0.0000	0.0000	
CO2-TCD-MS5A	0.000	0.0000	0.0000	%
Water	0.000	0.0000	0.0000	
		16474.5993	44266494.8301	

1% mix  
 NOC2S

Lab name: SRI Instruments  
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 Method: GHG+TCDvalve  
 Description: FIDmeth medgain 300C  
 Column: GHGset  
 Carrier: N2@30psi Argon@16psi  
 Integration: Peak sens=90.0 Base sens=10.0 Min  
 Data file: BlayneFPD329.chr ()  
 Sample: room air no vial

Lab name: SRI Instruments  
 Client: USDAARS  
 Client ID: N12104  
 Method: GHG+TCDvalve  
 Description: ECD 350C SC=300  
 Column: GHGset  
 Carrier: N2@30psi Argon@16psi  
 Integration: Peak sens=70.0 Base sens=60.0 Min  
 Data file: BlayneFID280.chr ()  
 Sample: room air no vial

Lab name: SRI Instruments  
 Client: USDAARS  
 Client ID: N12104  
 Method: GHG+TCDvalve  
 Description: TCD lowcurrent 100C  
 Column: GHGset  
 Carrier: N2@30psi Argon@16psi  
 Integration: Peak sens=95.0 Base sens=10.0 Min  
 Data file: Mayo705.chr ()  
 Sample: room air no vial

Temperature program:

Init temp	Hold	Ramp	Final temp
70.00	10.000	0.000	70.00

Events:

Time	Event
0.000	ZERO
0.020	G ON (Valve1Rotate)
0.050	F ON (Trap1Heat)
0.700	F OFF (Trap1Heat)
1.500	G OFF (Valve1Rotate)
1.500	H ON (BackflushSolenoid)
2.200	INTEG IMMEDIATE
6.000	H OFF (BackflushSolenoid)

Temperature program:

Init temp	Hold	Ramp	Final temp
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Events:

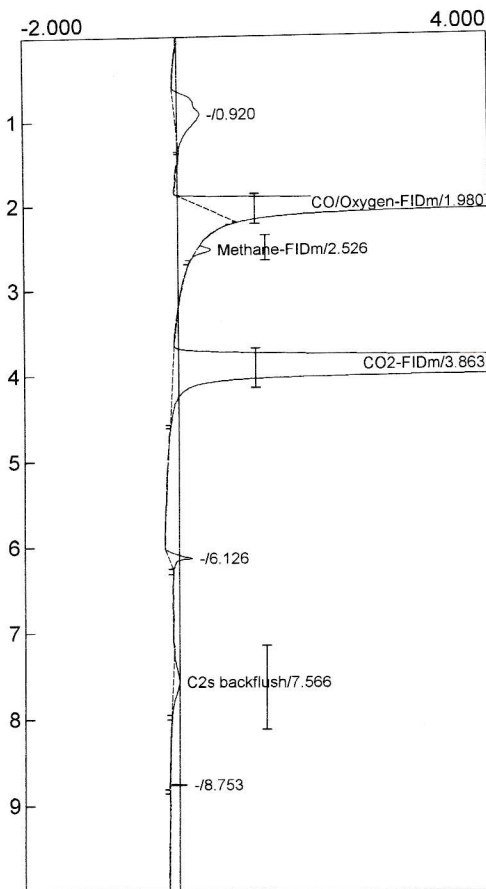
Time	Event
0.000	ZERO
1.000	INTEG IMMEDIATE
3.500	INTEG IMMEDIATE
5.000	INTEG IMMEDIATE

Temperature program:

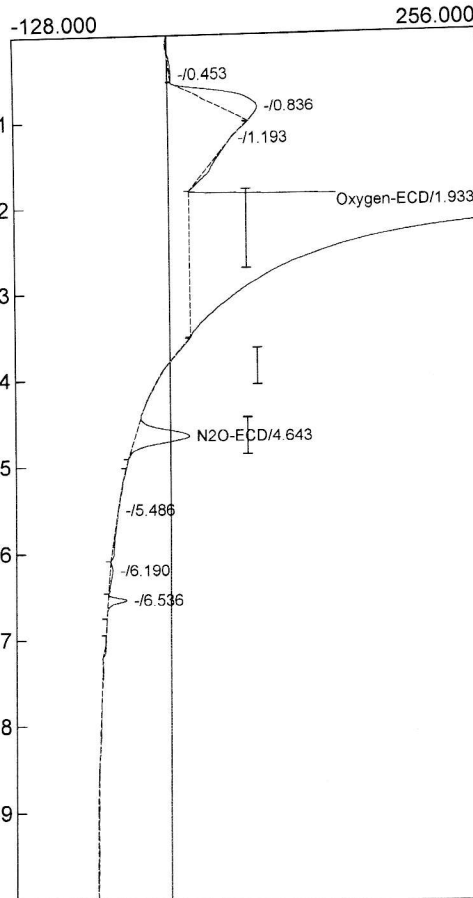
Init temp	Hold	Ramp	Final temp
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Events:

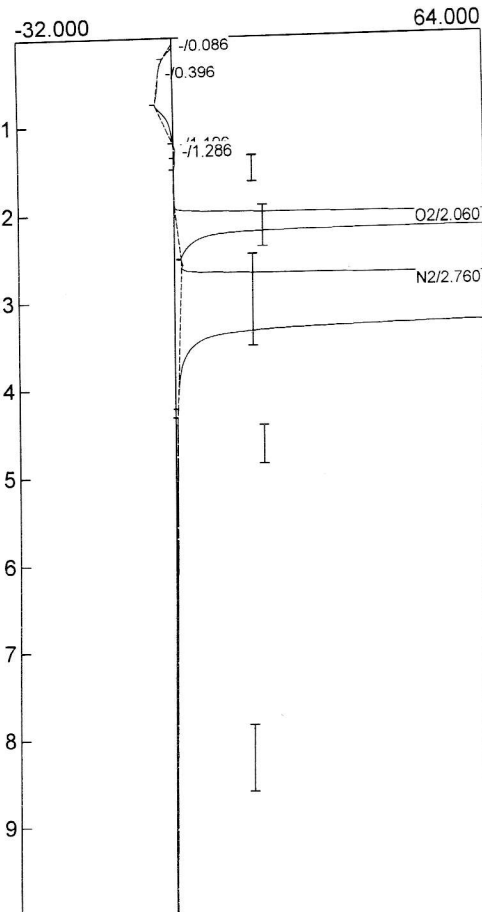
Time	Event
0.000	ZERO
1.200	INTEG IMMEDIATE



Component	Retention	Area	Internal	Units
CO/Oxygen-FIDm	1.980	83.2353	291.2403	ppm
Methane-FIDm	2.526	0.7715	2.9454	ppm
CO2-FIDm	3.863	221.8858	929.2570	ppm
C2s backflush	7.566	1.7026	0.0000	ppm
	307.5952	1223.4427		



Component	Retention	Area	Internal	Units
Oxygen-ECD	1.933	14080.8038	0.0000	ppm
CO2-ECD	0.000	0.0000	0.0000	ppm
N2O-ECD	4.643	478.4328	0.0000	ppm
		14559.2366	0.0000	



Component	Retention	Area	Internal	Units
H2/Helium	0.000	0.0000	0.0000	ppm
O2	2.060	3945.4844	123167.3312	ppm
N2	2.760	11529.2182	36645683.9241	ppm
Methane-TCD-MSA	0.000	0.0000	0.0000	ppm
CO-TCD-MS5A	0.000	0.0000	0.0000	ppm
CO2-TCD-HayD	0.000	0.0000	0.0000	ppm
CO2-TCD-MS5A	0.000	0.0000	0.0000	%
Water	0.000	0.0000	0.0000	ppm

15474.7026 36768851.2553

ROOM AIR  
 NO VIAL



Lab name: SRI Instruments  
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 Method: GHG+TCDvalve  
 Description: FIDmeth medgain 300C  
 Column: GHGset  
 Carrier: N2@30psi Argon@16psi  
 Integration: Peak sens=90.0 Base sens=10.0 Min  
 Data file: BlayneFPD330.chr ()  
 Sample: outside air in vial

Lab name: SRI Instruments  
 Client: USDAARS  
 Client ID: N12104  
 Method: GHG+TCDvalve  
 Description: ECD 350C SC=300  
 Column: GHGset  
 Carrier: N2@30psi Argon@16psi  
 Integration: Peak sens=70.0 Base sens=60.0 Min  
 Data file: BlayneFID281.chr ()  
 Sample: outside air in vial

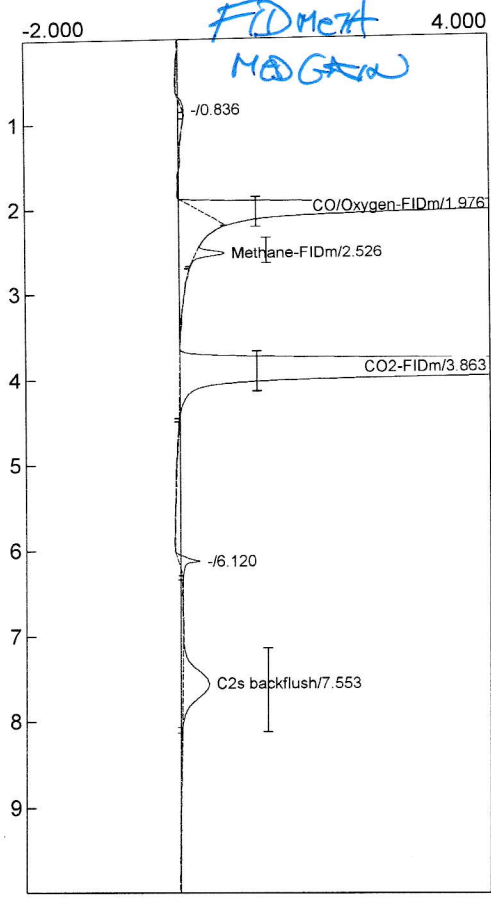
Lab name: SRI Instruments  
 Client: USDAARS  
 Client ID: N12104  
 Method: GHG+TCDvalve  
 Description: TCD lowcurrent 100C  
 Column: GHGset  
 Carrier: N2@30psi Argon@16psi  
 Integration: Peak sens=95.0 Base sens=10.0 Min  
 Data file: Mayo706.chr ()  
 Sample: outside air in vial

Temperature program:  
 Init temp 70.00  
 Hold 10.00  
 Ramp 0.000  
 Final temp 70.00

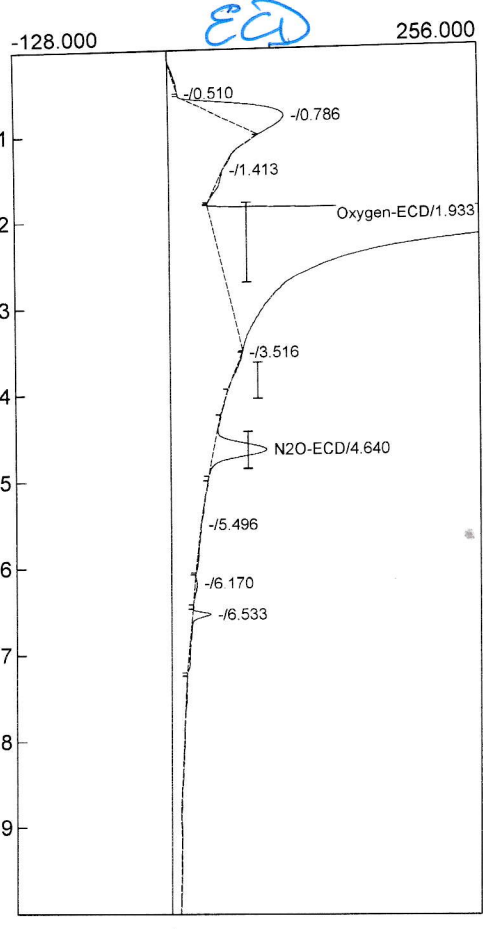
Events:  
 Time Event  
 0.000 ZERO  
 0.020 G ON (Valve1Rotate)  
 0.050 F ON (Trap1Heat)  
 0.700 F OFF (Trap1Heat)  
 1.500 G OFF (Valve1Rotate)  
 1.500 H ON (BackflushSolenoid)  
 2.200 INTEG IMMEDIATE  
 6.000 H OFF (BackflushSolenoid)

Temperature program:  
 Init temp Hold Ramp Final temp  
 Events:  
 Time Event  
 0.000 ZERO  
 1.000 INTEG IMMEDIATE  
 3.500 INTEG IMMEDIATE  
 5.000 INTEG IMMEDIATE

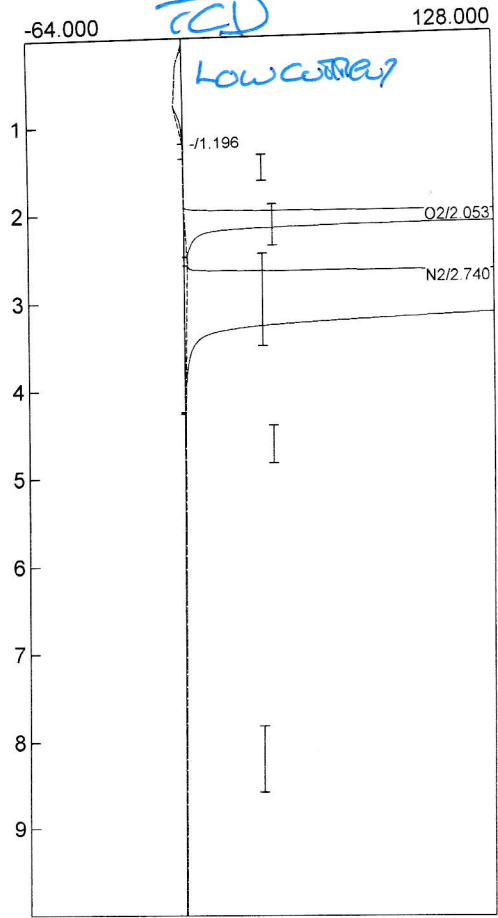
Temperature program:  
 Init temp Hold Ramp Final temp  
 Events:  
 Time Event  
 0.000 ZERO  
 1.200 INTEG IMMEDIATE



Component	Retention	Area	Internal	Units
CO/Oxygen-FIDm	1.976	54.4692	190.5877	ppm
Methane-FIDm	2.526	1.7010	6.4939	ppm
CO2-FIDm	3.863	170.9352	715.8761	ppm
C2s backflush	7.553	8.0952	0.0000	ppm
		235.2006	912.9577	



Component	Retention	Area	Internal	Units
Oxygen-ECD	1.933	13064.8702	0.0000	ppm
CO2-ECD	0.000	0.0000	0.0000	ppm
N2O-ECD	4.640	481.3132	0.0000	ppm
		13546.1834	0.0000	



Component	Retention	Area	Internal	Units
H2/Helium	0.000	0.0000	0.0000	ppm
O2	2.053	3854.9881	120342.2820	ppm
N2	2.740	12025.1690	38222066.2896	ppm
Methane-TCD-MSA	0.000	0.0000	0.0000	ppm
CO-TCD-MS5A	0.000	0.0000	0.0000	ppm
CO2-TCD-HayD	0.000	0.0000	0.0000	ppm
CO2-TCD-MS5A	0.000	0.0000	0.0000	%
Water	0.000	0.0000	0.0000	ppm
		15880.1571	38342408.5716	

OUTSIDE AIR  
 VIA VIAL

Lab name: SRI Instruments  
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 Method: GHG+TCDvalve  
 Description: FIDmeth medgain 300C  
 Column: GHGset  
 Carrier: N2@30psi Argon@16psi  
 Integration: Peak sens=90.0 Base sens=10.0 Min  
 Data file: BlayneFPD331.chr ()  
 Sample: helium only

Lab name: SRI Instruments  
 Client: USDAARS  
 Client ID: N12104  
 Method: GHG+TCDvalve  
 Description: ECD 350C SC=300  
 Column: GHGset  
 Carrier: N2@30psi Argon@16psi  
 Integration: Peak sens=70.0 Base sens=60.0 Min  
 Data file: BlayneFID282.chr ()  
 Sample: helium only

Lab name: SRI Instruments  
 Client: USDAARS  
 Client ID: N12104  
 Method: GHG+TCDvalve  
 Description: TCD lowcurrent 100C  
 Column: GHGset  
 Carrier: N2@30psi Argon@16psi  
 Integration: Peak sens=95.0 Base sens=10.0 Min  
 Data file: Mayo707.chr ()  
 Sample: helium only

Temperature program:

Init temp	Hold	Ramp	Final temp
70.00	10.000	0.000	70.00

Events:

Time	Event
0.000	ZERO
0.020	G ON (Valve1Rotate)
0.050	F ON (Trap1Heat)
0.700	F OFF (Trap1Heat)
1.500	G OFF (Valve1Rotate)
1.500	H ON (BackflushSolenoid)
2.200	INTEG IMMEDIATE
6.000	H OFF (BackflushSolenoid)

Temperature program:

Init temp	Hold	Ramp	Final temp
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Events:

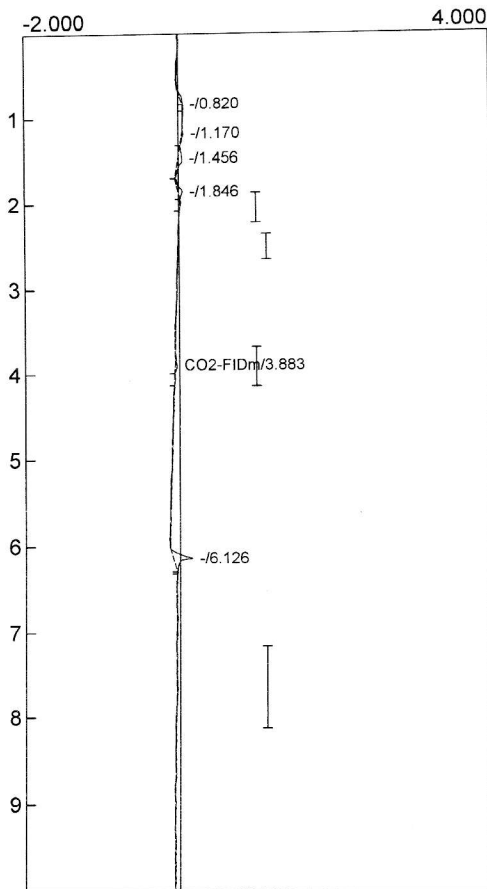
Time	Event
0.000	ZERO
1.000	INTEG IMMEDIATE
3.500	INTEG IMMEDIATE
5.000	INTEG IMMEDIATE

Temperature program:

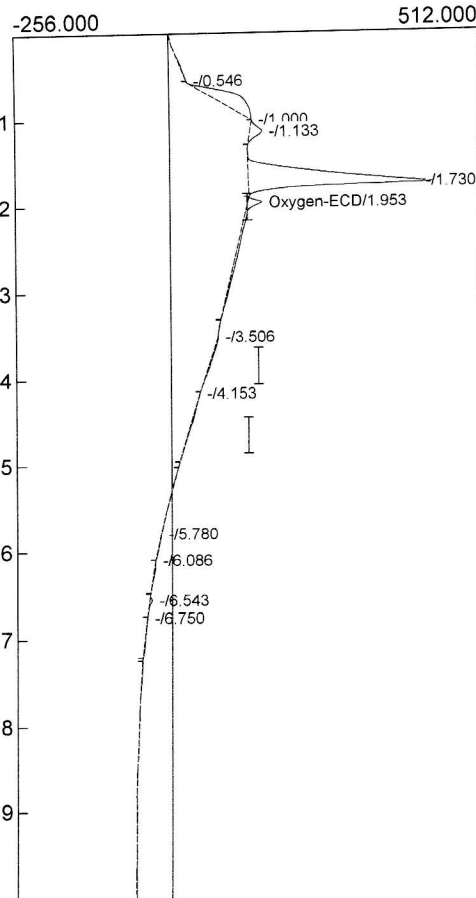
Init temp	Hold	Ramp	Final temp
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Events:

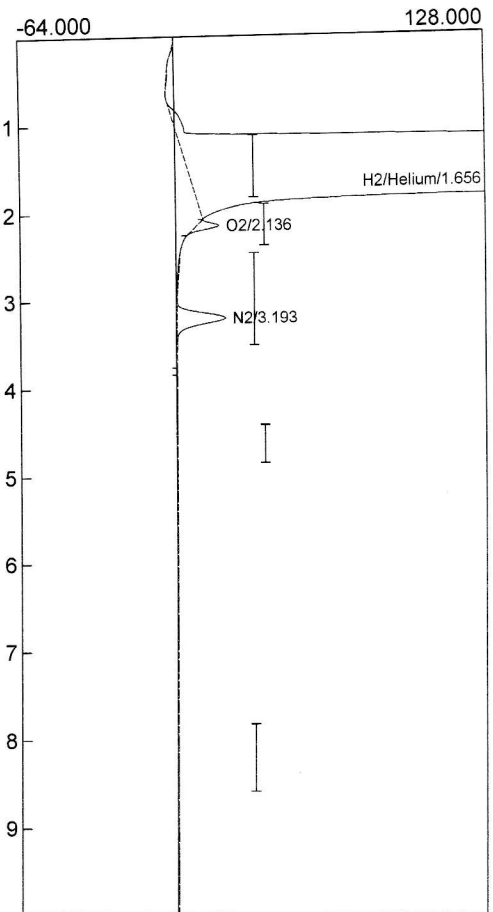
Time	Event
0.000	ZERO



Component	Retention	Area	Internal	Units
CO/Oxygen-FIDm	0.000	0.0000	0.0000	ppm
Methane-FIDm	0.000	0.0000	0.0000	ppm
CO2-FIDm	3.883	0.1162	0.4866	ppm
C2s backflush	0.000	0.0000	0.0000	ppm
		0.1162	0.4866	



Component	Retention	Area	Internal	Units
Oxygen-ECD	1.953	283.4174	0.0000	ppm
CO2-ECD	0.000	0.0000	0.0000	ppm
N2O-ECD	0.000	0.0000	0.0000	ppm
		283.4174	0.0000	



Component	Retention	Area	Internal	Units
H2/Helium	1.656	90105.0796	526278.1668	ppm
O2	2.136	43.3838	1354.3247	ppm
N2	3.193	178.1784	566341.0316	ppm
Methane-TCD-MSA	0.000	0.0000	0.0000	ppm
CO-TCD-MS5A	0.000	0.0000	0.0000	ppm
CO2-TCD-HayD	0.000	0.0000	0.0000	ppm
CO2-TCD-MS5A	0.000	0.0000	0.0000	%
Water	0.000	0.0000	0.0000	

90326.6418 1093973.5230

Helium Blank