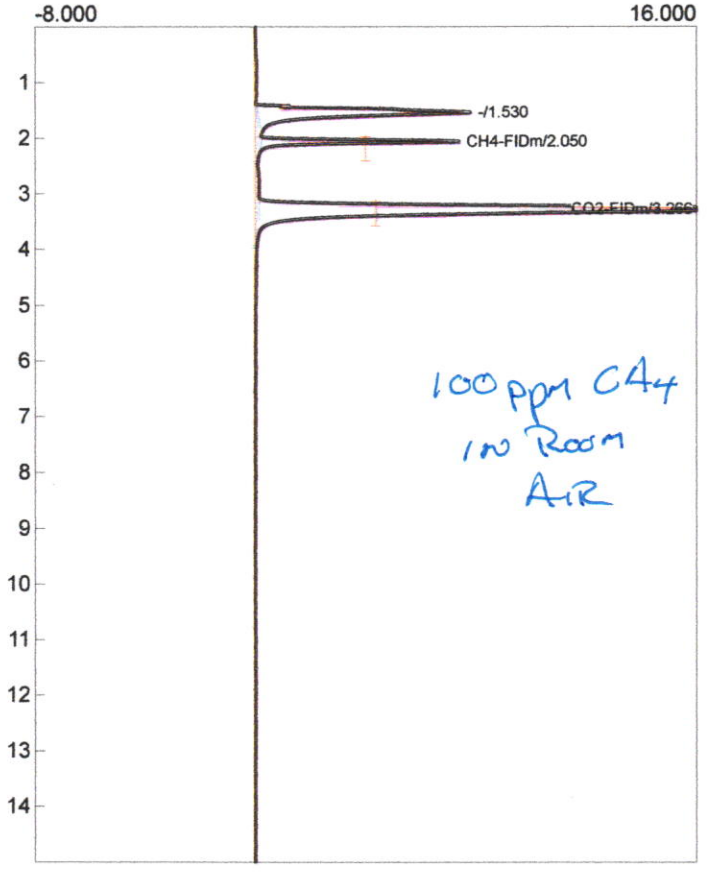
Lab name: SRI Instruments
Client: Buck Scientific
Client ID: N12882
Analysis date: 07/26/2025 10:46:54
Method: GreenhouseGas#1
Description: FIDmeth medgain 330C
Column: 3'HDPC+6'HayD+3'Shincarbon
Carrier: N2@40psi
Integration: Peak sens=90.0 Base sens=10.0 Min area= 1.00 Standa
Data file: ChannelOne-2398.CHR ()
Sample: 100ppm mix in room air

Temperature program:

Init temp	Hold	Ramp	Final temp
100.00	20.000	0.000	100.00

Events:

Time	Event
0.000	ZERO
0.020	G ON (Valve1)
1.100	G OFF (Valve1)



Component	Retention	Area	Internal	Units
CH4-FIDm	2.050	32.4696	100.0000	ppm
CO2-FIDm	3.266	186.5038	400.0000	ppm
		218.9734	500.0000	

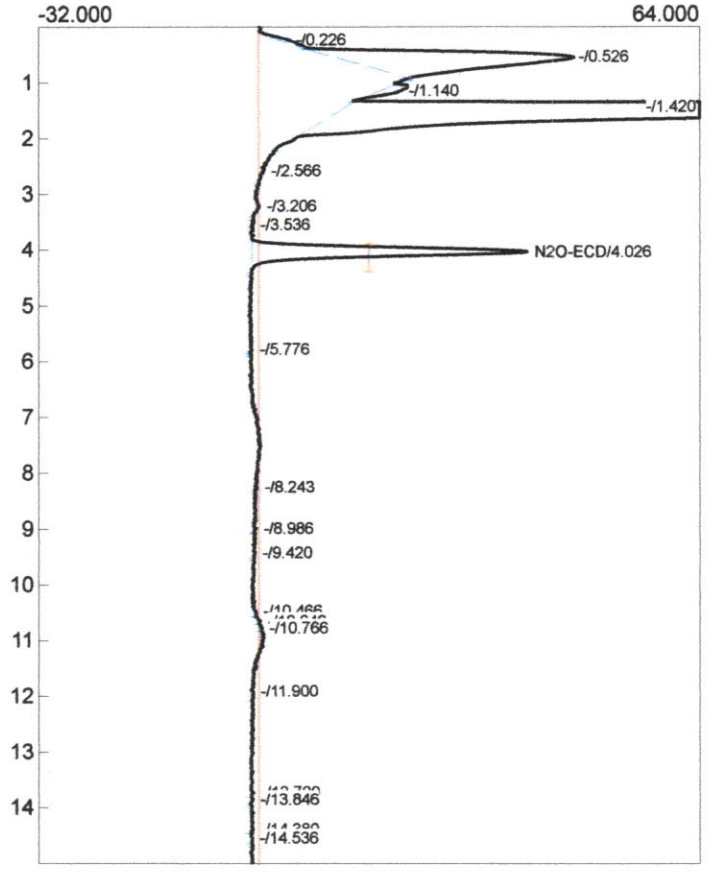
Lab name: SRI Instruments
Client: Imperial College ongon
Client ID: N11969
Analysis date: 07/26/2025 10:46:54
Method: MG5
Description: TCD low current 100C
Column: MG5 set 6' MS5A
Carrier: Argon@C1=15psi
Integration: Peak sens=90.0 Base sens=60.0 Min area= 1.00 Standa
Data file: ChannelTwo-1501.CHR ()
Sample: no injection noise

Temperature program:

Init temp	Hold	Ramp	Final temp

Events:

Time	Event
0.000	ZERO
0.900	INTEG BASED IMMEDIATE
7.000	INTEG BASED IMMEDIATE



Component	Retention	Area	Internal	Units
N2O-ECD	4.026	428.9375	300.0000	ppb
		428.9375	300.0000	

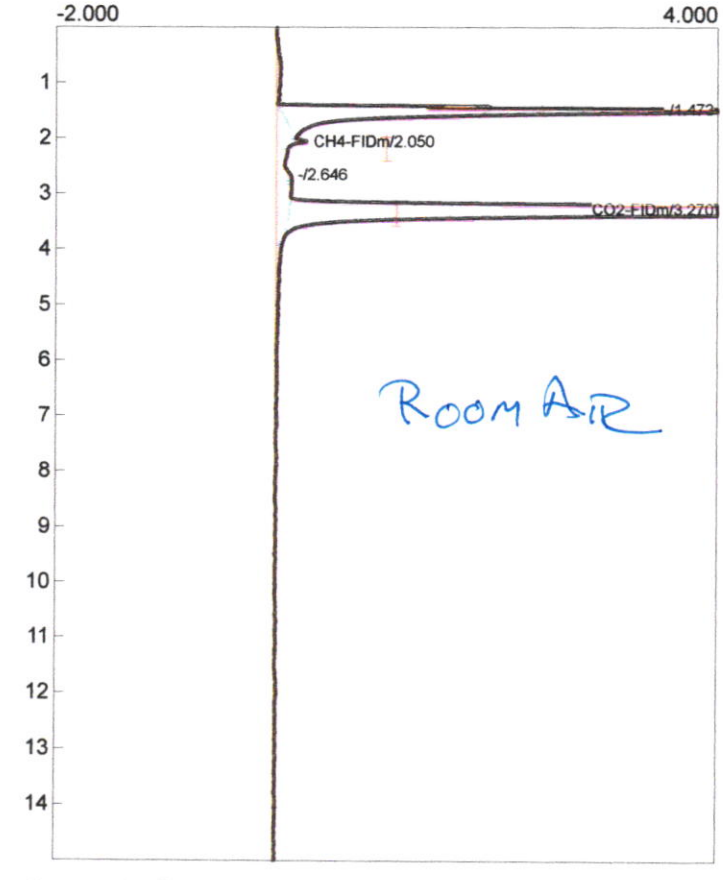
Lab name: SRI Instruments
Client: Buck Scientific
Client ID: N12882
Analysis date: 07/26/2025 13:29:01
Method: GreenhouseGas#1
Description: FIDmeth medgain 330C
Column: 3'HDPC+6'HayD+3'Shincarbon
Carrier: N2@40psi
Integration: Peak sens=90.0 Base sens=10.0 Min area= 0.10 Standa
Data file: ChannelOne-2399.CHR ()
Sample: Outside Air

Temperature program:

Init temp	Hold	Ramp	Final temp
100.00	20.000	0.000	100.00

Events:

Time	Event
0.000	ZERO
0.020	G ON (Valve1)
1.100	G OFF (Valve1)



Component	Retention	Area	Internal	Units
CH4-FIDm	2.050	0.5179	1.5950	ppm
CO2-FIDm	3.270	127.2420	272.8995	ppm
		127.7599	274.4946	

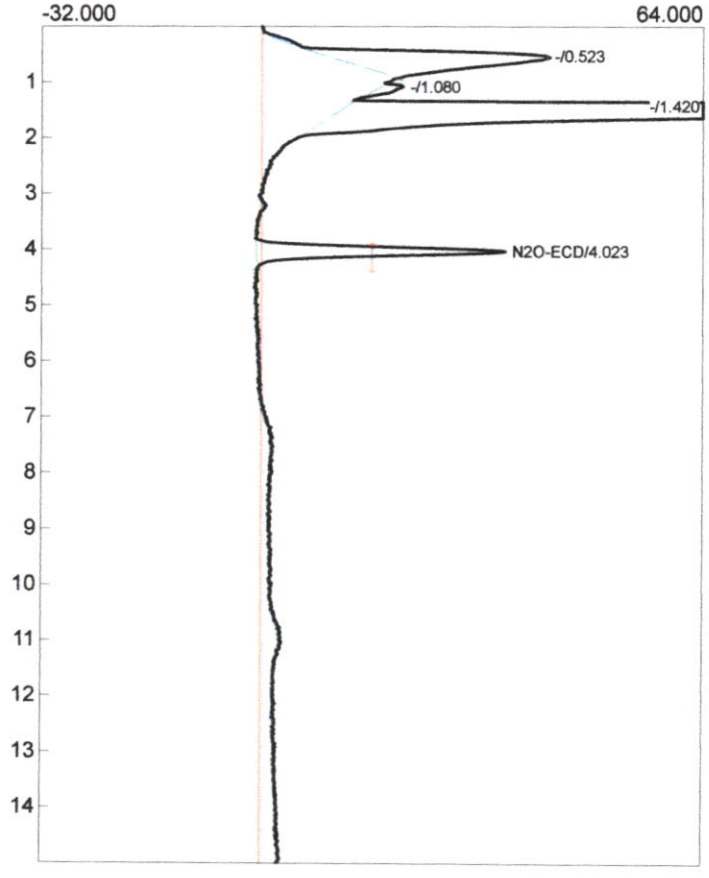
Lab name: SRI Instruments
Client: Buck Scientific
Client ID: N12882
Analysis date: 07/26/2025 13:29:01
Method: GreenhouseGas#1
Description: TCD low current 100C
Column: 3'HDPC+6'HayD+3'Shincarbon
Carrier: N2@40psi
Integration: Peak sens=90.0 Base sens=60.0 Min area= 10.00 Standa
Data file: ChannelTwo-1502.CHR ()
Sample: Outside Air

Temperature program:

Init temp	Hold	Ramp	Final temp

Events:

Time	Event
0.000	ZERO
0.900	INTEG BASED IMMEDIATE
7.000	INTEG BASED IMMEDIATE



Component	Retention	Area	Internal	Units
N2O-ECD	4.023	386.0846	270.0286	ppb
		386.0846	270.0286	

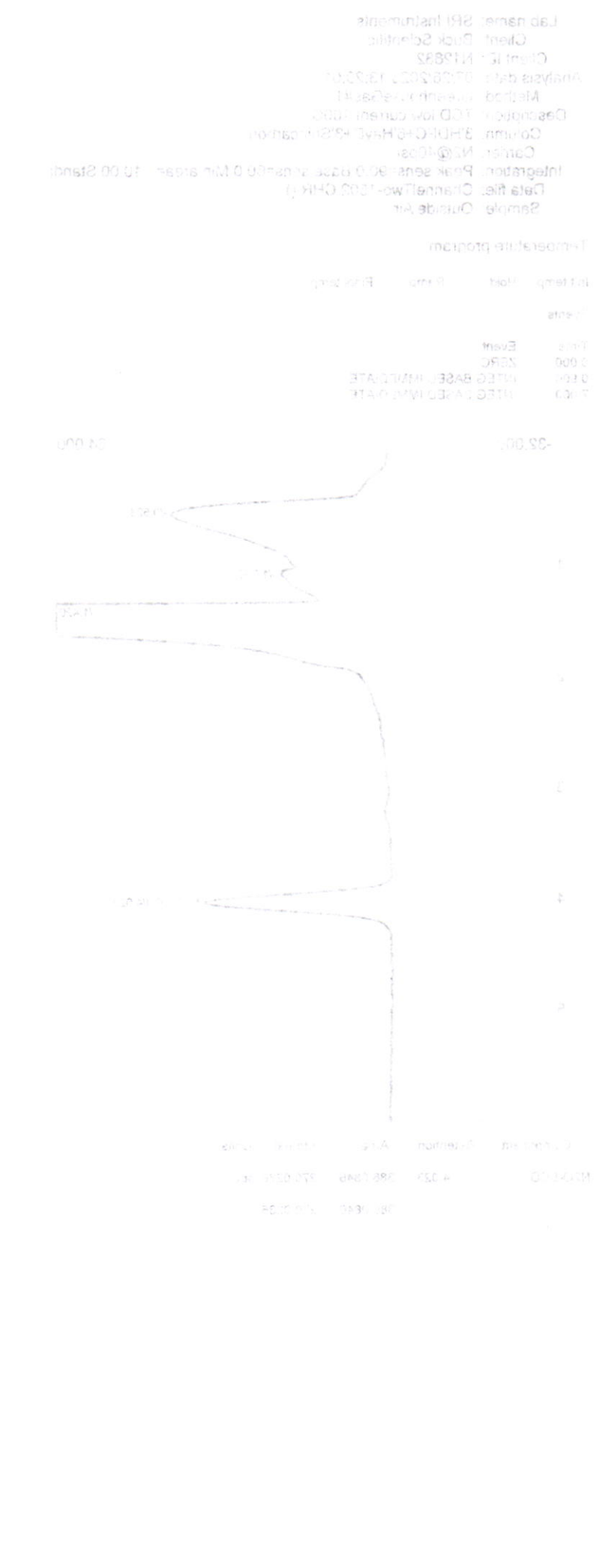
Lab name: SRI Instruments
Client: Ruth Scientific
Client ID: NT2582
Analysis date: 07/29/2025 13:29:01
Method: GreenhouseGas41
Description: FIDmeth modified TCD
Column: 3'HDPC+6'HayD-3 Stainless
Carrier: N2@40psi
Integration: Peak sens=900 Base sens=10 0 Min area= 0 10 Slonda
Data file: ChannelOne 2329.CHR
Sample: Outside Air

Temperature program

Initial temp	Hold	Rate	Final temp
100.00	00.000	0.000	100.00

Events

Time	Event
0.000	ZERO
0.020	OPEN VALVE 3
1.100	CLOSE VALVE 3



Component	Retention	Area	Height	Conc
CH4	0.560	1.2E+5	1.5E6	1.5 ppm
CO2	1.072	4.7E+5	2.1E6	272.3 ppm

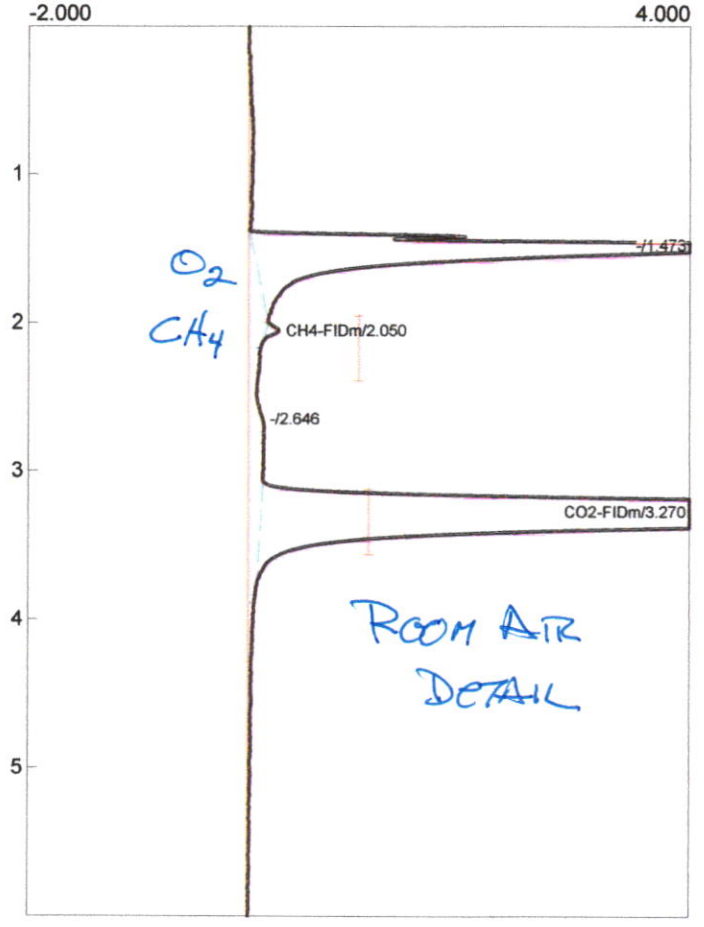
Lab name: SRI Instruments
Client: Buck Scientific
Client ID: N12882
Analysis date: 07/26/2025 13:29:01
Method: GreenhouseGas#1
Description: FIDmeth medgain 330C
Column: 3'HDPC+6'HayD+3'Shincarbon
Carrier: N2@40psi
Integration: Peak sens=90.0 Base sens=10.0 Min area= 0.10 Standa
Data file: ChannelOne-2399.CHR ()
Sample: Outside Air

Temperature program:

Init temp	Hold	Ramp	Final temp
100.00	20.000	0.000	100.00

Events:

Time	Event
0.000	ZERO
0.020	G ON (Valve1)
1.100	G OFF (Valve1)



Component	Retention	Area	Internal	Units
CH4-FIDm	2.050	0.5179	1.5950	ppm
CO2-FIDm	3.270	127.2420	272.8995	ppm
		127.7599	274.4946	

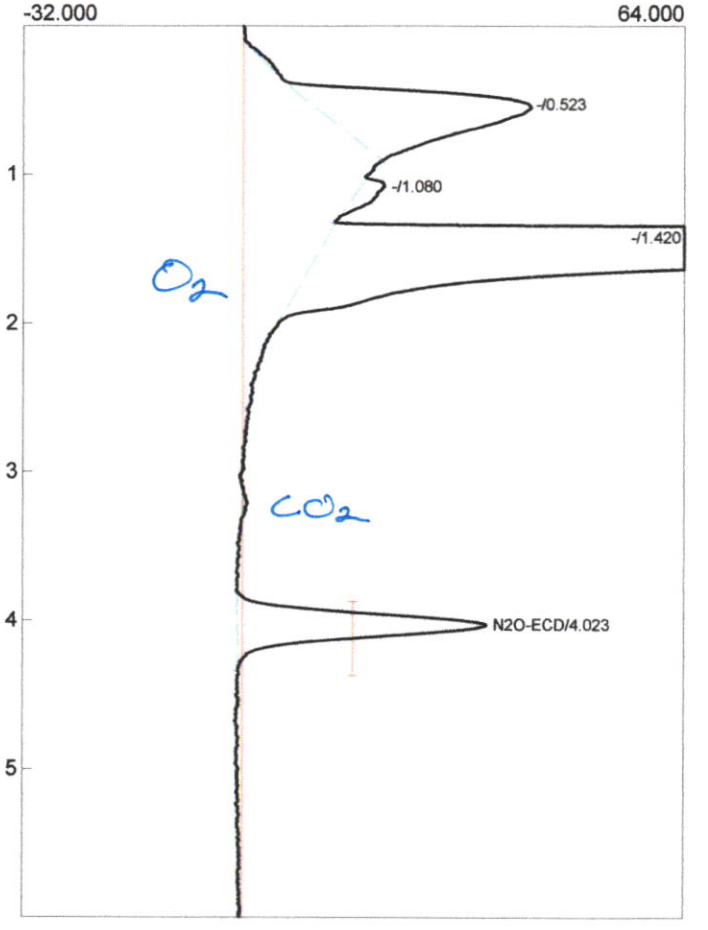
Lab name: SRI Instruments
Client: Buck Scientific
Client ID: N12882
Analysis date: 07/26/2025 13:29:01
Method: GreenhouseGas#1
Description: TCD low current 100C
Column: 3'HDPC+6'HayD+3'Shincarbon
Carrier: N2@40psi
Integration: Peak sens=90.0 Base sens=60.0 Min area= 10.00 Standa
Data file: ChannelTwo-1502.CHR ()
Sample: Outside Air

Temperature program:

Init temp	Hold	Ramp	Final temp

Events:

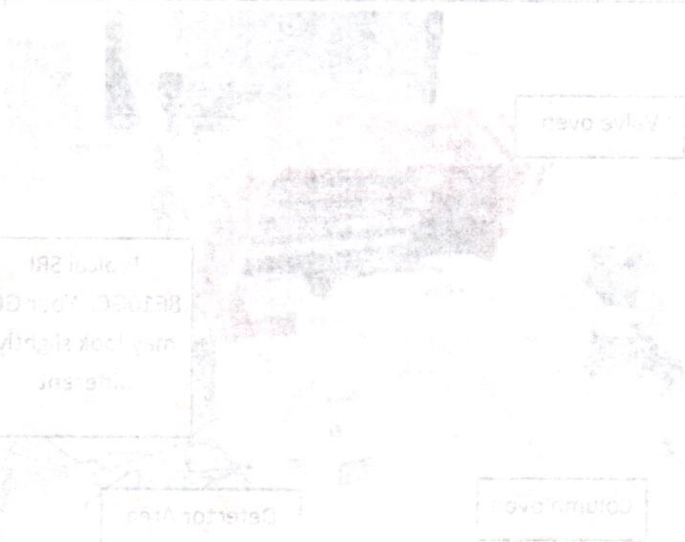
Time	Event
0.000	ZERO
0.900	INTEG BASED IMMEDIATE
7.000	INTEG BASED IMMEDIATE



Component	Retention	Area	Internal	Units
N2O-ECD	4.023	386.0846	270.0286	ppb
		386.0846	270.0286	

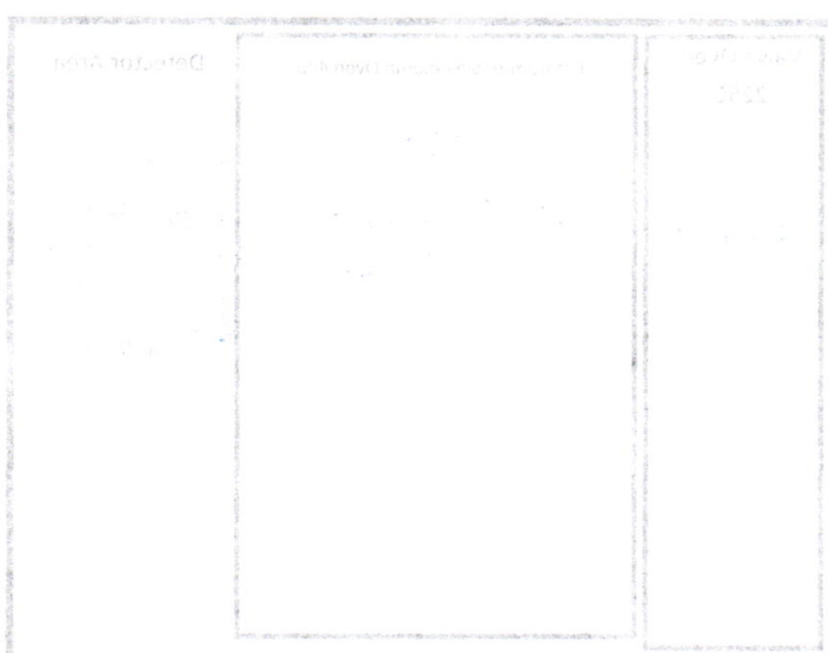
Custom GC configuration for ____________

2025 ____________



A custom GC was configured for your application

Schematic drawing of proposed GC



SRI Tech Support: 310-214-5092

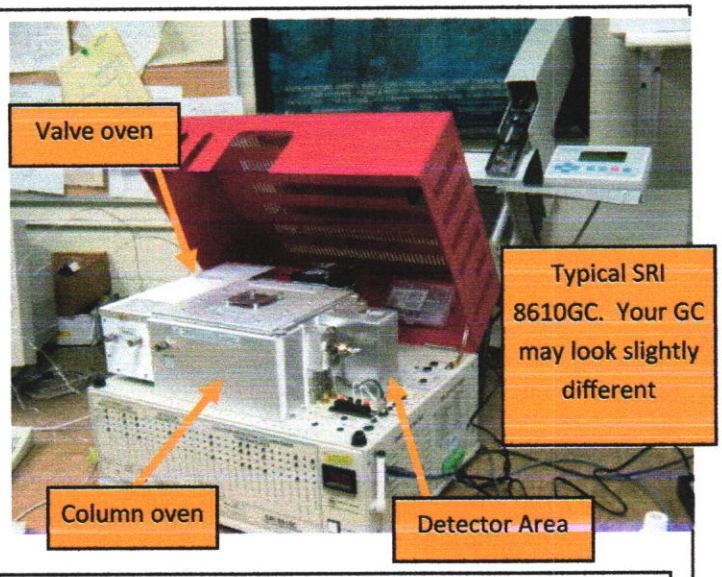
Custom GC configuration for SRI

7-28 2025

A custom GC was configured for your application:

Describe application:

GREENHOUSE GAS GC CONFIGURATION



Schematic drawing of proposed GC