Lab name: SRI Instruments
Client: SRI R&D
Client ID: N12903
Analysis date: 10/17/2025 12:03:56
Method: H2 detection limit test
Description: RGD cell=350 HgO tube=250
Column: 18'HayDPC+12'MS5A
Carrier: Argon@40psi
Integration: Peak sens=80.0 Base sens=60.0 Min area= 1.00 Standar
Data file: 333calibration994.CHR ()
Sample: 1000ppm H2 in room air

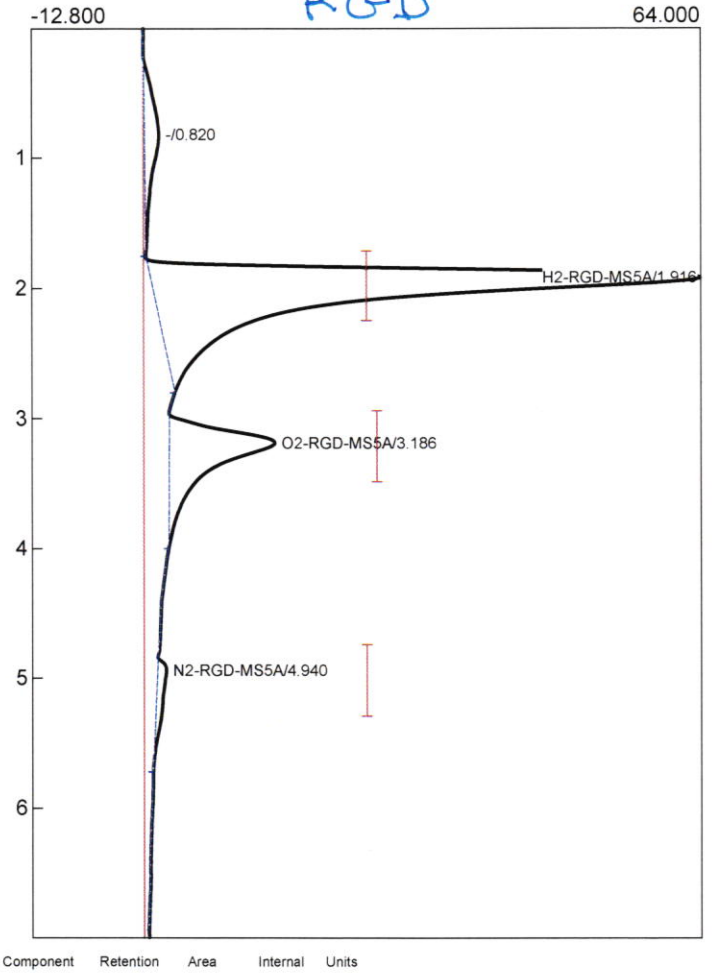
Temperature program:

Init temp	Hold	Ramp	Final temp
70.00	10.000	0.000	70.00

Events:

Time	Event
0.000	SOUND
0.000	ZERO 100
0.020	G ON (Valve1)
0.600	G OFF (Valve1)
2.800	INTEG BASED IMMEDIATE
4.000	INTEG BASED IMMEDIATE

RGD



Component	Retention	Area	Internal	Units
H2-RGD-MS5A	1.916	1015.3122	965.6042	ppm
O2-RGD-MS5A	3.186	240.2761	18.0735	&
N2-RGD-MS5A	4.940	29.4896	80.0000	&
		1285.0779	1063.6777	

Lab name: SRI Instruments
Client: SRI R&D
Client ID: N12903
Analysis date: 10/17/2025 12:03:56
Method: H2 detection limit test
Description: TCD lowcurrent 100C
Column: 18'HayDPC+12'MS5A
Carrier: Argon@40psi
Integration: Peak sens=80.0 Base sens=60.0 Min area= 1.00 Standar
Data file: Cornell-TCD993.CHR ()
Sample: 1000ppm H2 in room air

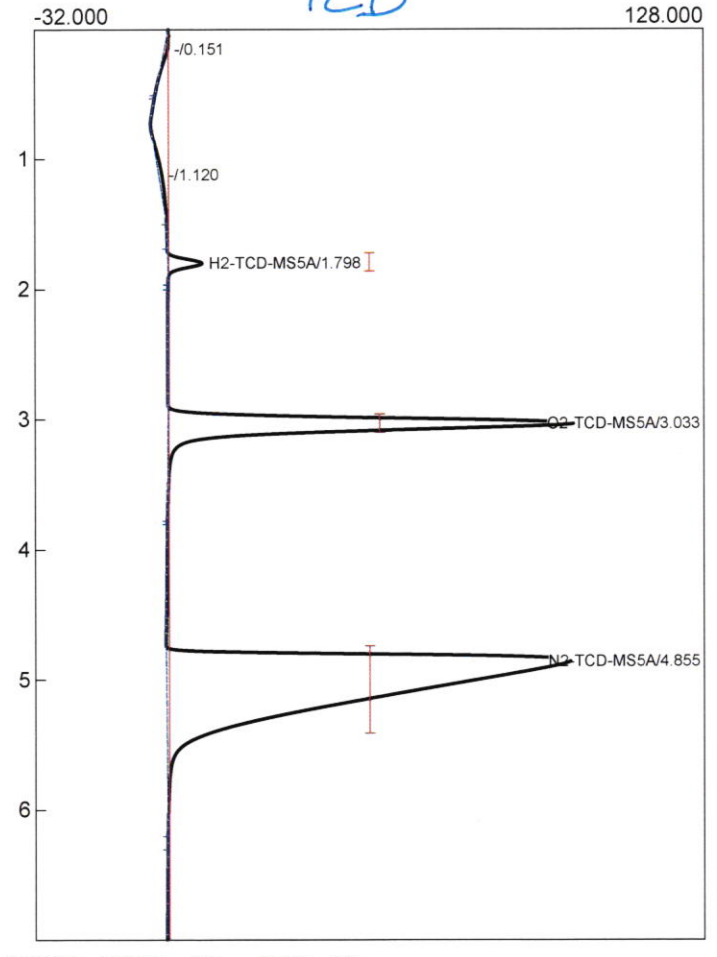
Temperature program:

Init temp	Hold	Ramp	Final temp

Events:

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

TCD



Component	Retention	Area	Internal	Units
H2-TCD-MS5A	1.798	39.1084	1000.0000	ppm
O2-TCD-MS5A	3.033	649.7807	20.0000	%
N2-TCD-MS5A	4.855	2105.2322	80.0000	%
		2794.1213	1100.0000	

ARGON CARRIER
1000 ppm H_2 in ROOM AIR

Lab name: SRI Instruments
Client: SRI R&D
Client ID: N12903
Analysis date: 10/17/2025 12:21:47
Method: H2 detection limit test
Description: RGD cell=350 HgO tube=250
Column: 18'HayDPC+12'MS5A
Carrier: Argon@40psi
Integration: Peak sens=80.0 Base sens=60.0 Min area= 1.00 Standar
Data file: 333calibration995.CHR ()
Sample: 100ppm H2 in room air

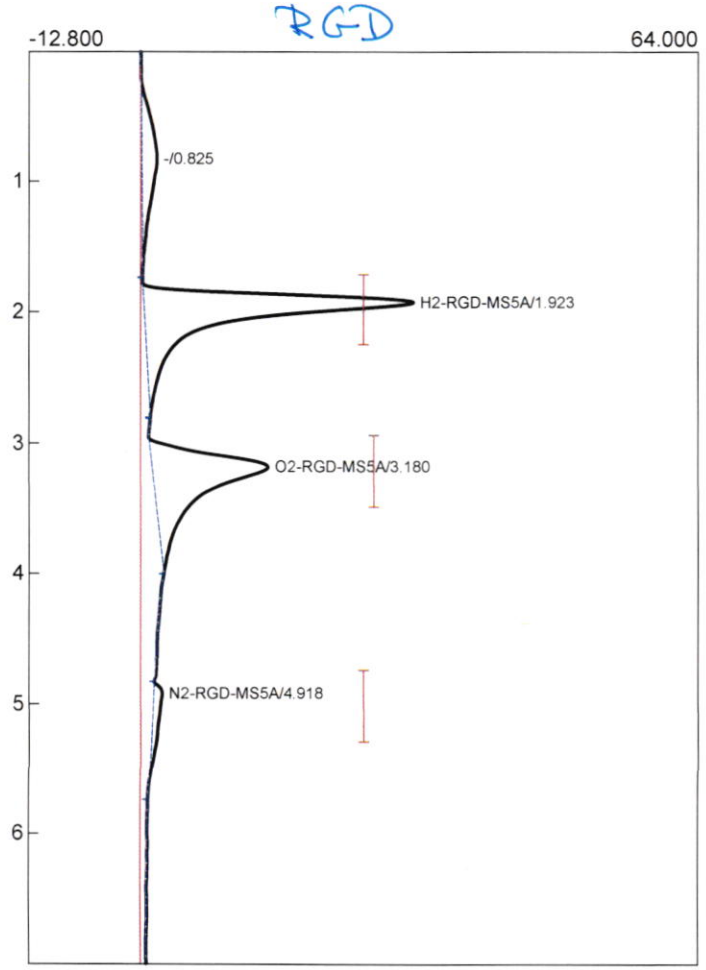
Temperature program:

Init temp	Hold	Ramp	Final temp
70.00	10.000	0.000	70.00

Events:

Time	Event
0.000	SOUND
0.000	ZERO 100
0.020	G ON (Valve1)
0.600	G OFF (Valve1)
2.800	INTEG BASED IMMEDIATE
4.000	INTEG BASED IMMEDIATE

RGD



Component	Retention	Area	Internal	Units
H2-RGD-MS5A	1.923	395.5235	157.9973	ppm
O2-RGD-MS5A	3.180	272.9861	20.0000	&
N2-RGD-MS5A	4.918	27.6855	80.0000	&
		696.1952	257.9973	

Lab name: SRI Instruments
Client: SRI R&D
Client ID: N12903
Analysis date: 10/17/2025 12:21:47
Method: H2 detection limit test
Description: TCD lowcurrent 100C
Column: 18'HayDPC+12'MS5A
Carrier: Argon@40psi
Integration: Peak sens=80.0 Base sens=60.0 Min area= 1.00 Standar
Data file: Cornell-TCD994.CHR ()
Sample: 100ppm H2 in room air

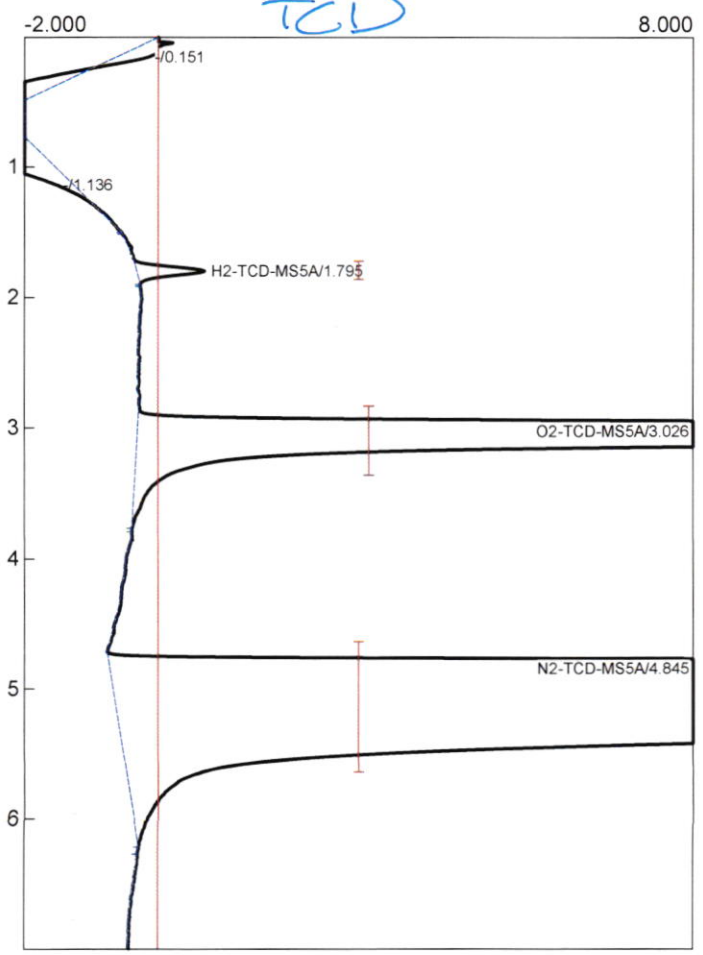
Temperature program:

Init temp	Hold	Ramp	Final temp

Events:

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

TCD



Component	Retention	Area	Internal	Units
H2-TCD-MS5A	1.795	4.6809	108.9628	ppm
O2-TCD-MS5A	3.026	655.6898	20.0000	%
N2-TCD-MS5A	4.845	2104.2686	80.0000	%
		2764.6394	208.9628	

ARGON CARRIER
100 ppm H_2 IN ROOM AIR

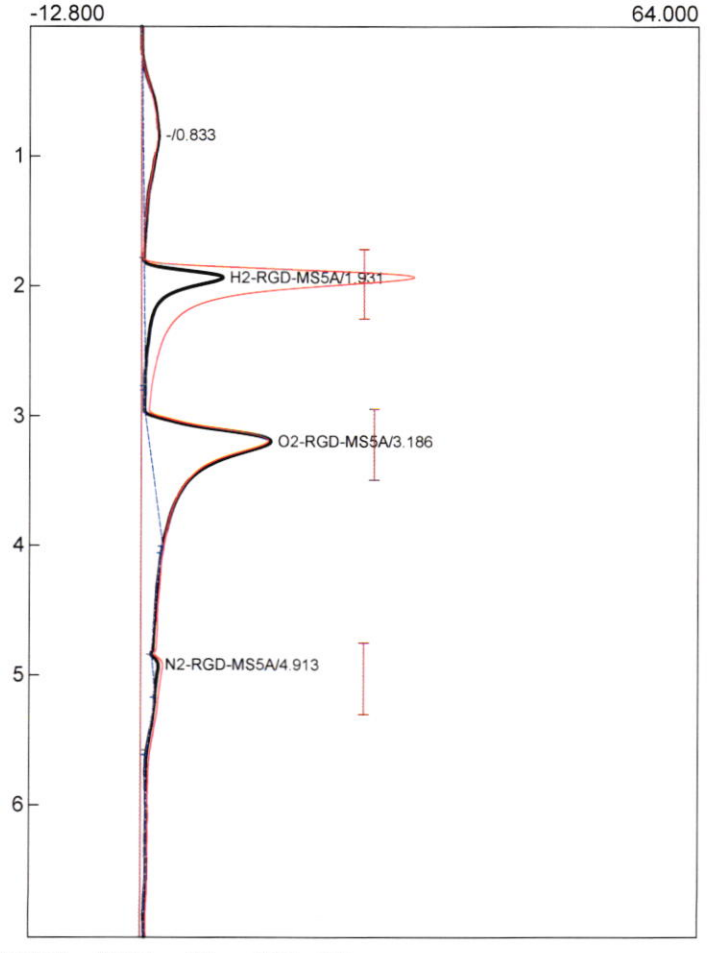
Lab name: SRI Instruments
Client: SRI R&D
Client ID: N12903
Analysis date: 10/17/2025 12:44:13
Method: H2 detection limit test
Description: RGD cell=350 HgO tube=250
Column: 18'HayDPC+12'MS5A
Carrier: Argon@40psi
Integration: Peak sens=80.0 Base sens=60.0 Min area= 1.00 Standar
Data file: 333calibration996.CHR ()
Sample: 10ppm H2 in room air

Temperature program:

Init temp	Hold	Ramp	Final temp
70.00	10.000	0.000	70.00

Events:

Time	Event
0.000	SOUND
0.000	ZERO 100
0.020	G ON (Valve1)
0.600	G OFF (Valve1)
2.800	INTEG BASED IMMEDIATE
4.000	INTEG BASED IMMEDIATE



Component	Retention	Area	Internal	Units
H2-RGD-MS5A	1.931	105.9836	20.3748	ppm
O2-RGD-MS5A	3.186	293.6788	21.5160	&
N2-RGD-MS5A	4.913	7.4330	21.4785	&
		407.0955	63.3694	

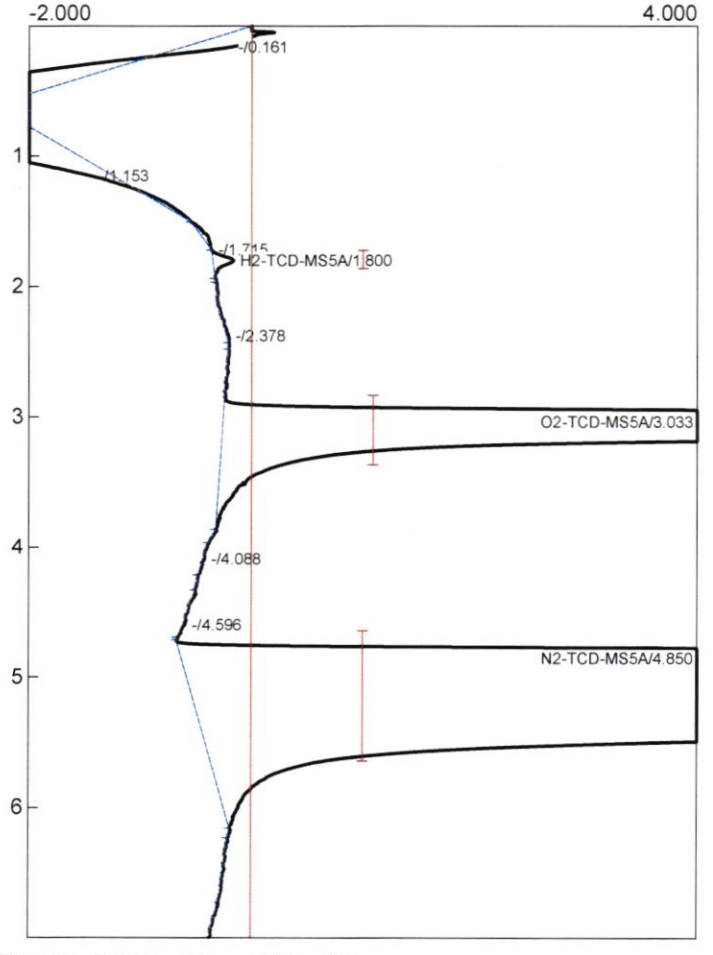
Lab name: SRI Instruments
Client: SRI R&D
Client ID: N12903
Analysis date: 10/17/2025 12:44:13
Method: H2 detection limit test
Description: TCD lowcurrent 100C
Column: 18'HayDPC+12'MS5A
Carrier: Argon@40psi
Integration: Peak sens=80.0 Base sens=60.0 Min area= 0.10 Standar
Data file: Cornell-TCD995.CHR ()
Sample: 10ppm H2 in room air

Temperature program:

Init temp	Hold	Ramp	Final temp

Events:

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



Component	Retention	Area	Internal	Units
H2-TCD-MS5A	1.800	0.9579	15.8150	ppm
O2-TCD-MS5A	3.033	659.3165	20.1106	%
N2-TCD-MS5A	4.850	2089.5250	79.4395	%
		2749.7994	115.3651	

ARGON CARRIER
10 ppm H_2 IN ROOM AIR

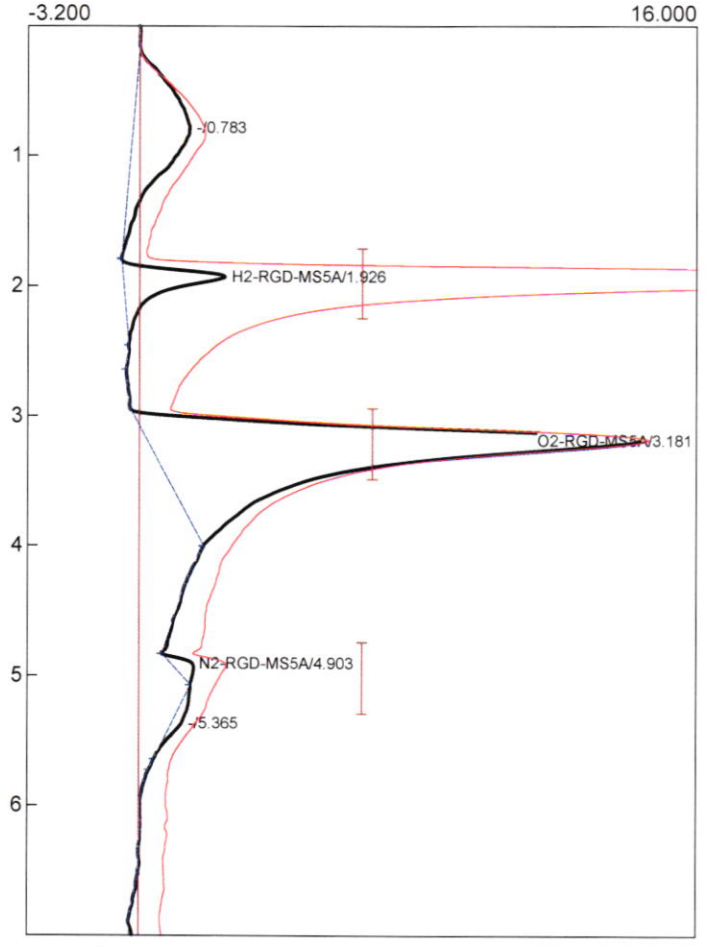
Lab name: SRI Instruments
Client: SRI R&D
Client ID: N12903
Analysis date: 10/17/2025 12:55:41
Method: H2 detection limit test
Description: RGD cell=350 HgO tube=250
Column: 18'HayDPC+12'MS5A
Carrier: Argon@40psi
Integration: Peak sens=80.0 Base sens=60.0 Min area= 1.00 Standar
Data file: 333calibration997.CHR ()
Sample: Room air

Temperature program:

Init temp	Hold	Ramp	Final temp
70.00	10.000	0.000	70.00

Events:

Time	Event
0.000	SOUND
0.000	ZERO 100
0.020	G ON (Valve1)
0.600	G OFF (Valve1)
2.800	INTEG BASED IMMEDIATE
4.000	INTEG BASED IMMEDIATE



Component	Retention	Area	Internal	Units
H2-RGD-MS5A	1.926	31.9594	6.1440	ppm
O2-RGD-MS5A	3.181	298.5482	21.8728	&
N2-RGD-MS5A	4.903	5.0772	14.6710	&
		335.5848	42.6879	

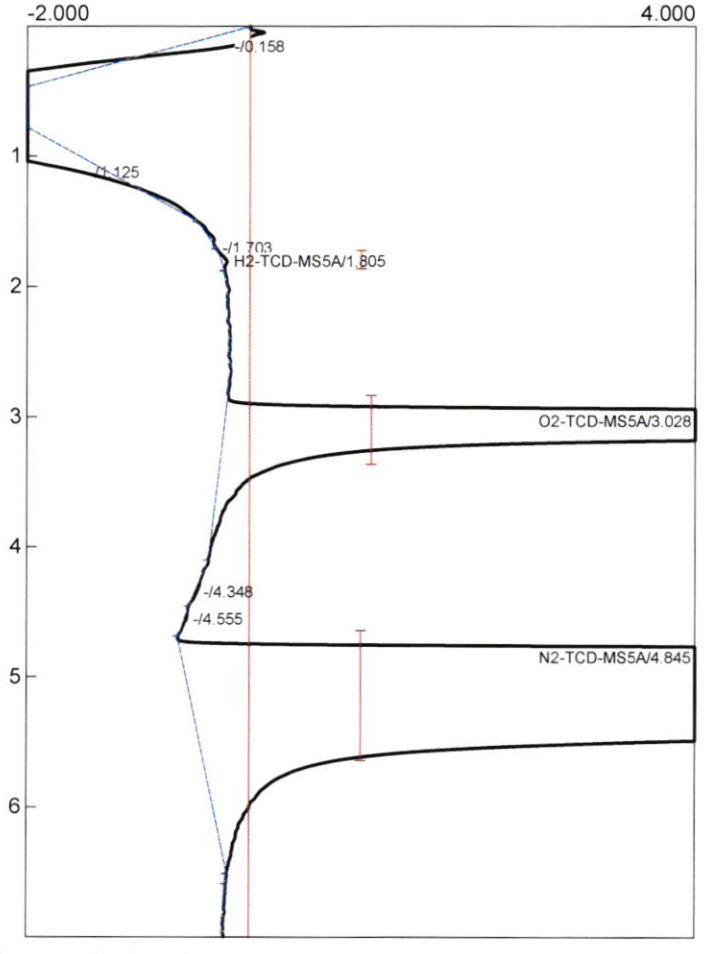
Lab name: SRI Instruments
Client: SRI R&D
Client ID: N12903
Analysis date: 10/17/2025 12:55:41
Method: H2 detection limit test
Description: TCD lowcurrent 100C
Column: 18'HayDPC+12'MS5A
Carrier: Argon@40psi
Integration: Peak sens=80.0 Base sens=60.0 Min area= 0.10 Standar
Data file: Cornell-TCD996.CHR ()
Sample: Room air

Temperature program:

Init temp	Hold	Ramp	Final temp

Events:

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



Component	Retention	Area	Internal	Units
H2-TCD-MS5A	1.805	0.2384	3.9368	ppm
O2-TCD-MS5A	3.028	664.1097	20.2568	%
N2-TCD-MS5A	4.845	2108.6645	80.1671	%
		2773.0126	104.3608	

ARGON CARRIER

INDOOR AIR

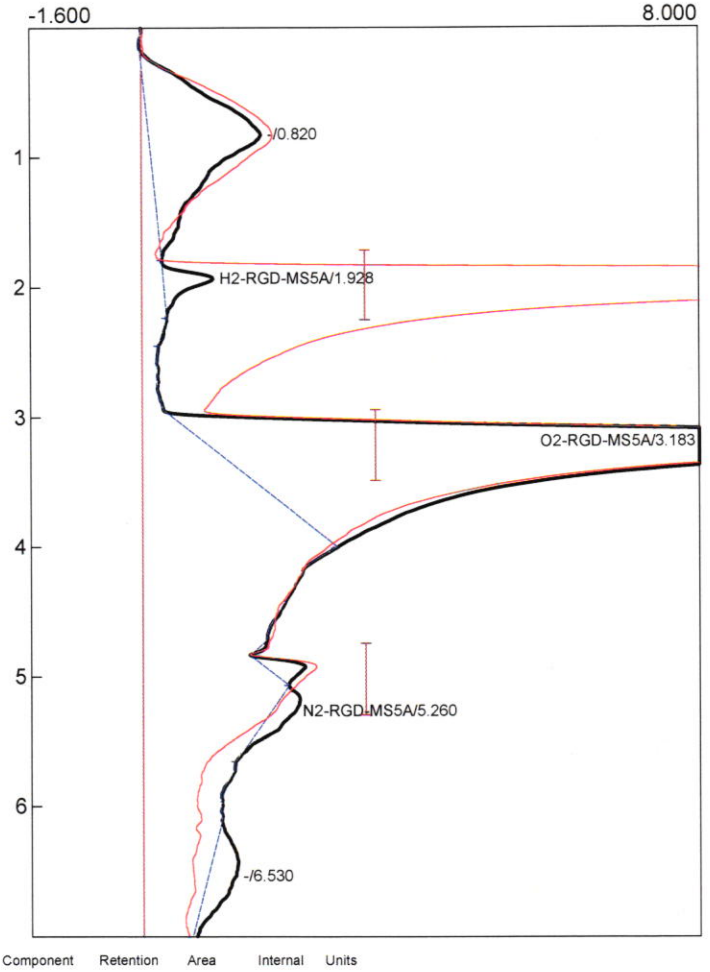
Lab name: SRI Instruments
Client: SRI R&D
Client ID: N12903
Analysis date: 10/17/2025 13:06:00
Method: H2 detection limit test
Description: RGD cell=350 HgO tube=250
Column: 18'HayDPC+12'MS5A
Carrier: Argon@40psi
Integration: Peak sens=80.0 Base sens=60.0 Min area= 1.00 Standar
Data file: 333calibration998.CHR ()
Sample: Outside Air

Temperature program:

Init temp	Hold	Ramp	Final temp
70.00	10.000	0.000	70.00

Events:

Time	Event
0.000	SOUND
0.000	ZERO 100
0.020	G ON (Valve1)
0.600	G OFF (Valve1)
2.800	INTEG BASED IMMEDIATE
4.000	INTEG BASED IMMEDIATE



Component	Retention	Area	Internal	Units
H2-RGD-MS5A	1.928	6.5926	1.2674	ppm
O2-RGD-MS5A	3.183	297.4055	21.7891	&
N2-RGD-MS5A	5.260	7.1225	20.5811	&
		311.1206	43.6376	

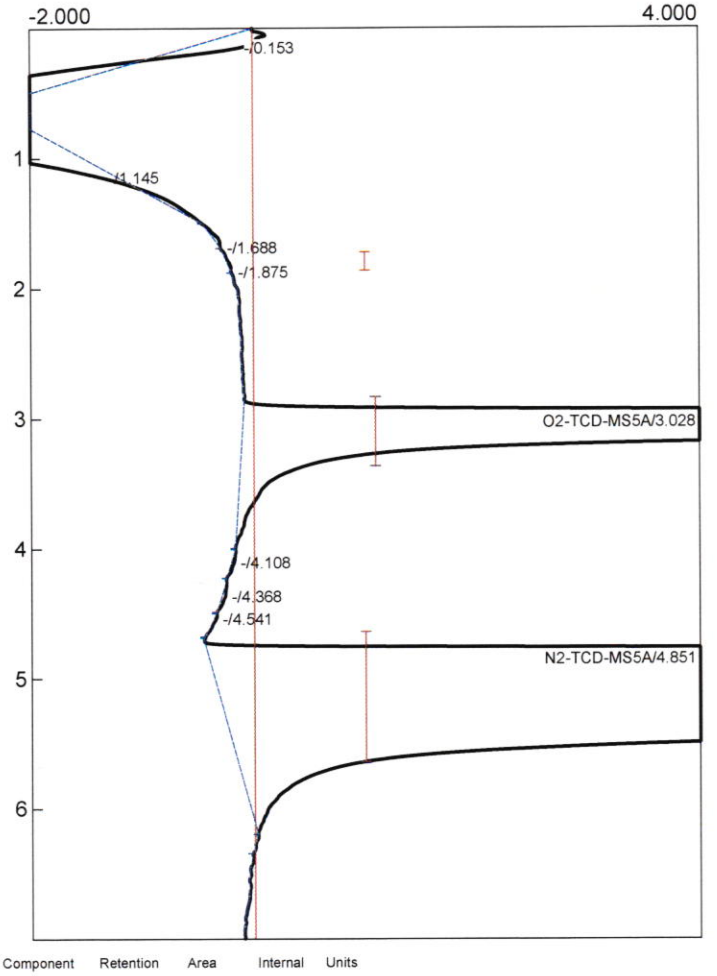
Lab name: SRI Instruments
Client: SRI R&D
Client ID: N12903
Analysis date: 10/17/2025 13:06:00
Method: H2 detection limit test
Description: TCD lowcurrent 100C
Column: 18'HayDPC+12'MS5A
Carrier: Argon@40psi
Integration: Peak sens=80.0 Base sens=60.0 Min area= 0.10 Standar
Data file: Cornell-TCD997.CHR ()
Sample: Outside Air

Temperature program:

Init temp	Hold	Ramp	Final temp

Events:

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



Component	Retention	Area	Internal	Units
H2-TCD-MS5A	0.000	0.0000	0.0000	ppm
O2-TCD-MS5A	3.028	668.6225	20.3945	%
N2-TCD-MS5A	4.851	2101.9166	79.9106	%
		2770.5391	100.3051	

ARGON CARRIER

OUTDOOR AIR

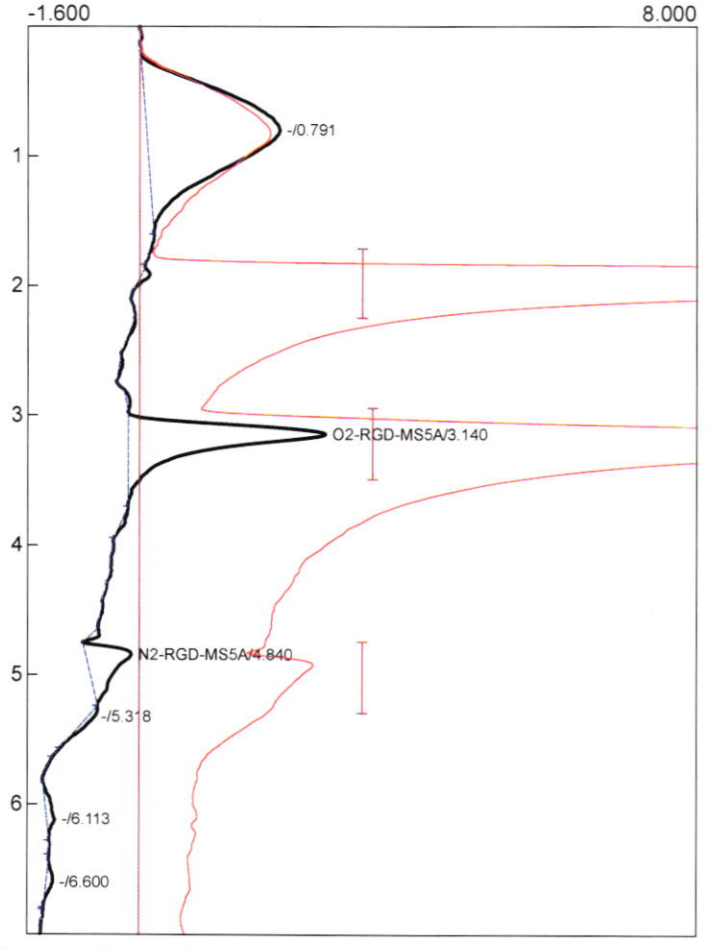
Lab name: SRI Instruments
Client: SRI R&D
Client ID: N12903
Analysis date: 10/17/2025 14:17:48
Method: H2 detection limit test
Description: RGD cell=350 HgO tube=250
Column: 18'HayDPC+12'MS5A
Carrier: Argon@40psi
Integration: Peak sens=80.0 Base sens=60.0 Min area= 1.00 Standar
Data file: 333calibration1000.CHR ()
Sample: Pure N2

Temperature program:

Init temp	Hold	Ramp	Final temp
70.00	10.000	0.000	70.00

Events:

Time	Event
0.000	SOUND
0.000	ZERO 100
0.020	G ON (Valve1)
0.600	G OFF (Valve1)
2.800	INTEG BASED IMMEDIATE
4.000	INTEG BASED IMMEDIATE



Component	Retention	Area	Internal	Units
H2-RGD-MS5A	0.000	0.0000	0.0000	ppm
O2-RGD-MS5A	3.140	35.1147	2.5726	&
N2-RGD-MS5A	4.840	9.2356	26.6871	&
		44.3503	29.2598	

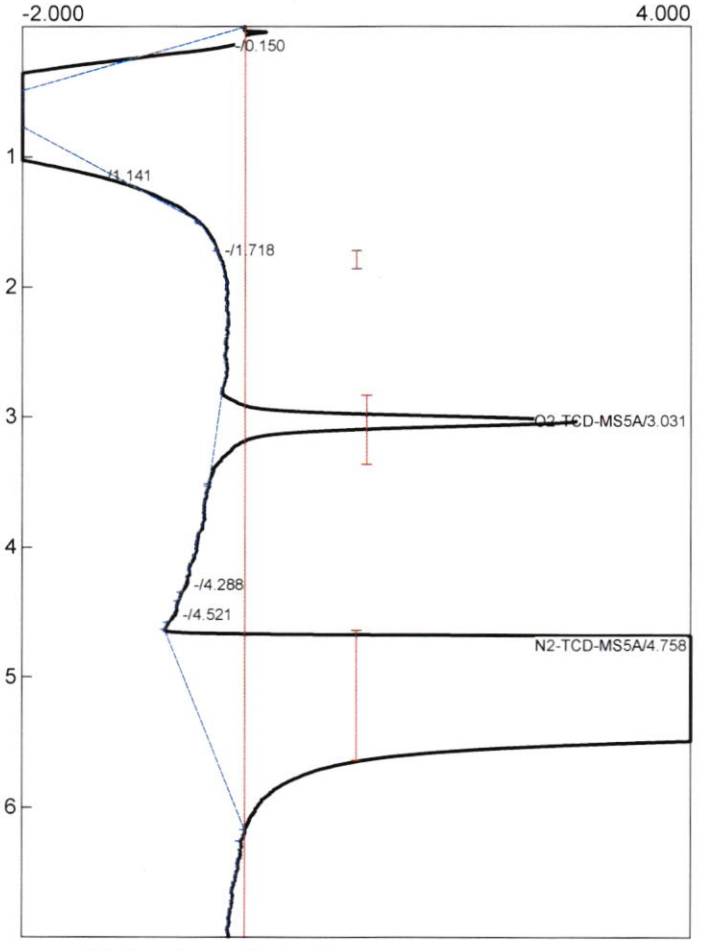
Lab name: SRI Instruments
Client: SRI R&D
Client ID: N12903
Analysis date: 10/17/2025 14:17:48
Method: H2 detection limit test
Description: TCD lowcurrent 100C
Column: 18'HayDPC+12'MS5A
Carrier: Argon@40psi
Integration: Peak sens=80.0 Base sens=60.0 Min area= 0.10 Standar
Data file: Cornell-TCD999.CHR ()
Sample: Pure N2

Temperature program:

Init temp	Hold	Ramp	Final temp

Events:

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



Component	Retention	Area	Internal	Units
H2-TCD-MS5A	0.000	0.0000	0.0000	ppm
O2-TCD-MS5A	3.031	24.7750	0.7557	%
N2-TCD-MS5A	4.758	2694.5562	102.4415	%
		2719.3312	103.1972	

ARGON CARRIER

PURE N_2

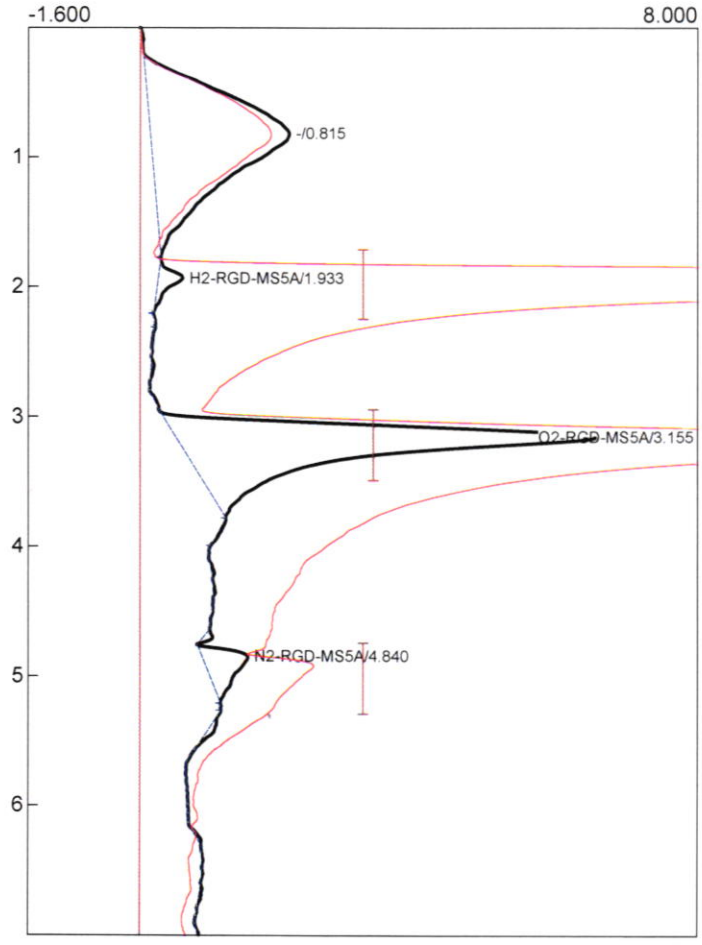
Lab name: SRI Instruments
Client: SRI R&D
Client ID: N12903
Analysis date: 10/17/2025 14:31:13
Method: H2 detection limit test
Description: RGD cell=350 HgO tube=250
Column: 18'HayDPC+12'MS5A
Carrier: Argon@40psi
Integration: Peak sens=80.0 Base sens=60.0 Min area= 1.00 Standar
Data file: 333calibration1001.CHR ()
Sample: outdoor air dilute 10:1 in N2

Temperature program:

Init temp	Hold	Ramp	Final temp
70.00	10.000	0.000	70.00

Events:

Time	Event
0.000	SOUND
0.000	ZERO 100
0.020	G ON (Valve1)
0.600	G OFF (Valve1)
2.800	INTEG BASED IMMEDIATE
4.000	INTEG BASED IMMEDIATE



Component	Retention	Area	Internal	Units
H2-RGD-MS5A	1.933	3.4367	0.6607	ppm
O2-RGD-MS5A	3.155	97.0502	7.1103	&
N2-RGD-MS5A	4.840	9.1674	26.4901	&
		109.6542	34.2610	

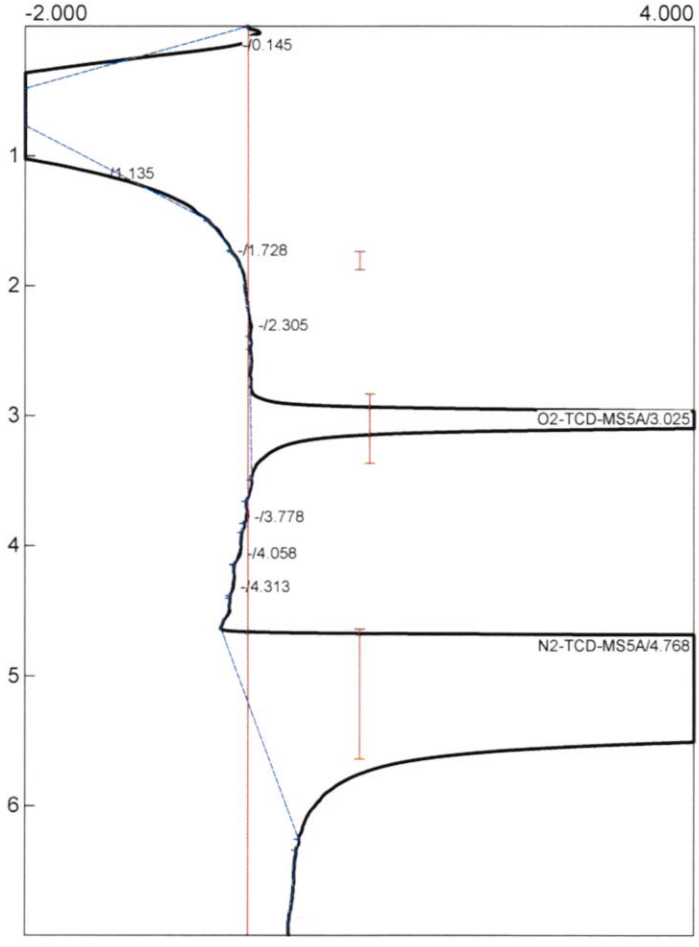
Lab name: SRI Instruments
Client: SRI R&D
Client ID: N12903
Analysis date: 10/17/2025 14:31:13
Method: H2 detection limit test
Description: TCD lowcurrent 100C
Column: 18'HayDPC+12'MS5A
Carrier: Argon@40psi
Integration: Peak sens=80.0 Base sens=60.0 Min area= 0.10 Standar
Data file: Cornell-TCD1000.CHR ()
Sample: outdoor air dilute 10:1 in N2

Temperature program:

Init temp	Hold	Ramp	Final temp

Events:

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



Component	Retention	Area	Internal	Units
H2-TCD-MS5A	0.000	0.0000	0.0000	ppm
O2-TCD-MS5A	3.025	88.1316	2.6882	%
N2-TCD-MS5A	4.768	2633.1412	100.1067	%
		2721.2728	102.7949	

ARGON CARRIER

OUTDOOR AIR DILUTED 10:1 IN N_2

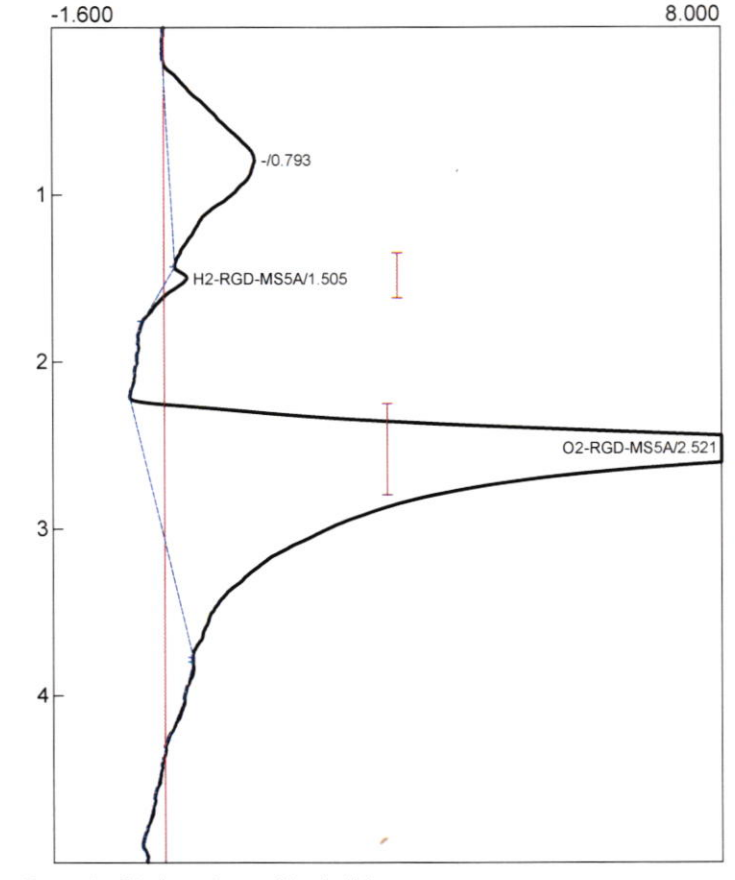
Lab name: SRI Instruments
Client: SRI R&D
Client ID: N12903
Analysis date: 10/16/2025 15:24:54
Method: H2 detection limit test
Description: RGD cell=350 HgO tube=250
Column: 18'HayDPC+12'MS5A
Carrier: Nitrogen@40psi
Integration: Peak sens=80.0 Base sens=60.0 Min area= 1.00 Standar
Data file: 333calibration992.CHR ()
Sample: outside air

Temperature program:

Init temp	Hold	Ramp	Final temp
70.00	10.000	0.000	70.00

Events:

Time	Event
0.000	SOUND
0.000	ZERO 100
0.020	G ON (Valve1)
0.600	G OFF (Valve1)



Component	Retention	Area	Internal	Units
H2-RGD-MS5A	1.505	2.2833	2.1052	ppm
O2-RGD-MS5A	2.521	286.7791	29.7653	&
		289.0625	31.8705	

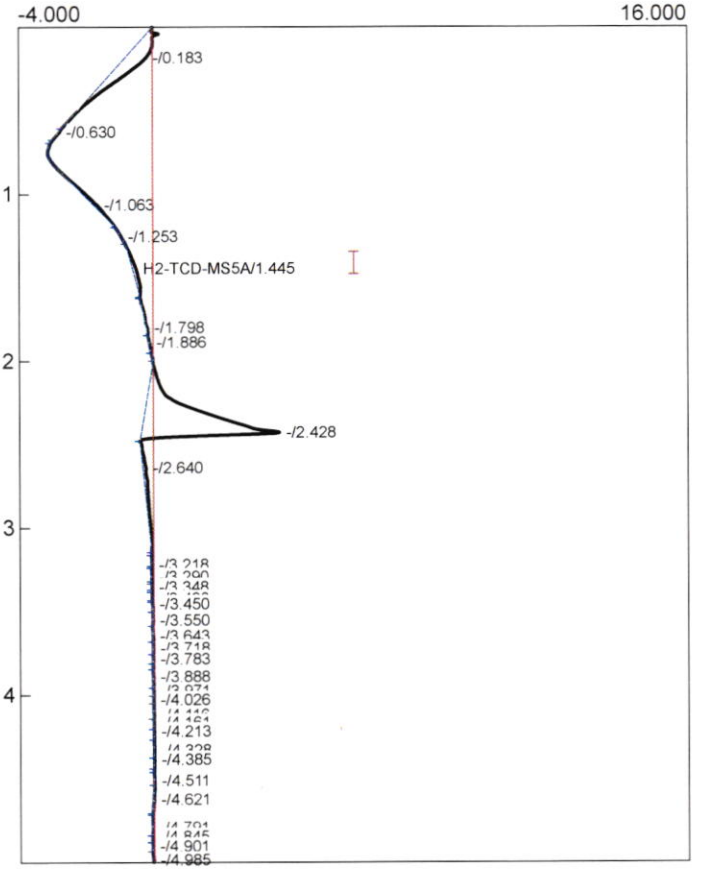
Lab name: SRI Instruments
Client: SRI R&D
Client ID: N12903
Analysis date: 10/16/2025 15:24:54
Method: H2 detection limit test
Description: TCD lowcurrent 100C
Column: 18'HayDPC+12'MS5A
Carrier: Nitrogen@40psi
Integration: Peak sens=80.0 Base sens=60.0 Min area= 0.01 Standar
Data file: Cornell-TCD991.CHR ()
Sample: outside air

Temperature program:

Init temp	Hold	Ramp	Final temp

Events:

Time	Event
0.000	ZERO
1.200	INTEG BASED IMMEDIATE
1.300	INTEG BASED IMMEDIATE
2.000	INTEG BASED IMMEDIATE



Component	Retention	Area	Internal	Units
H2-TCD-MS5A	1.445	1.6090	133.4287	ppm
		1.6090	133.4287	

OUTSIDE AIR
N_2 CARRIER