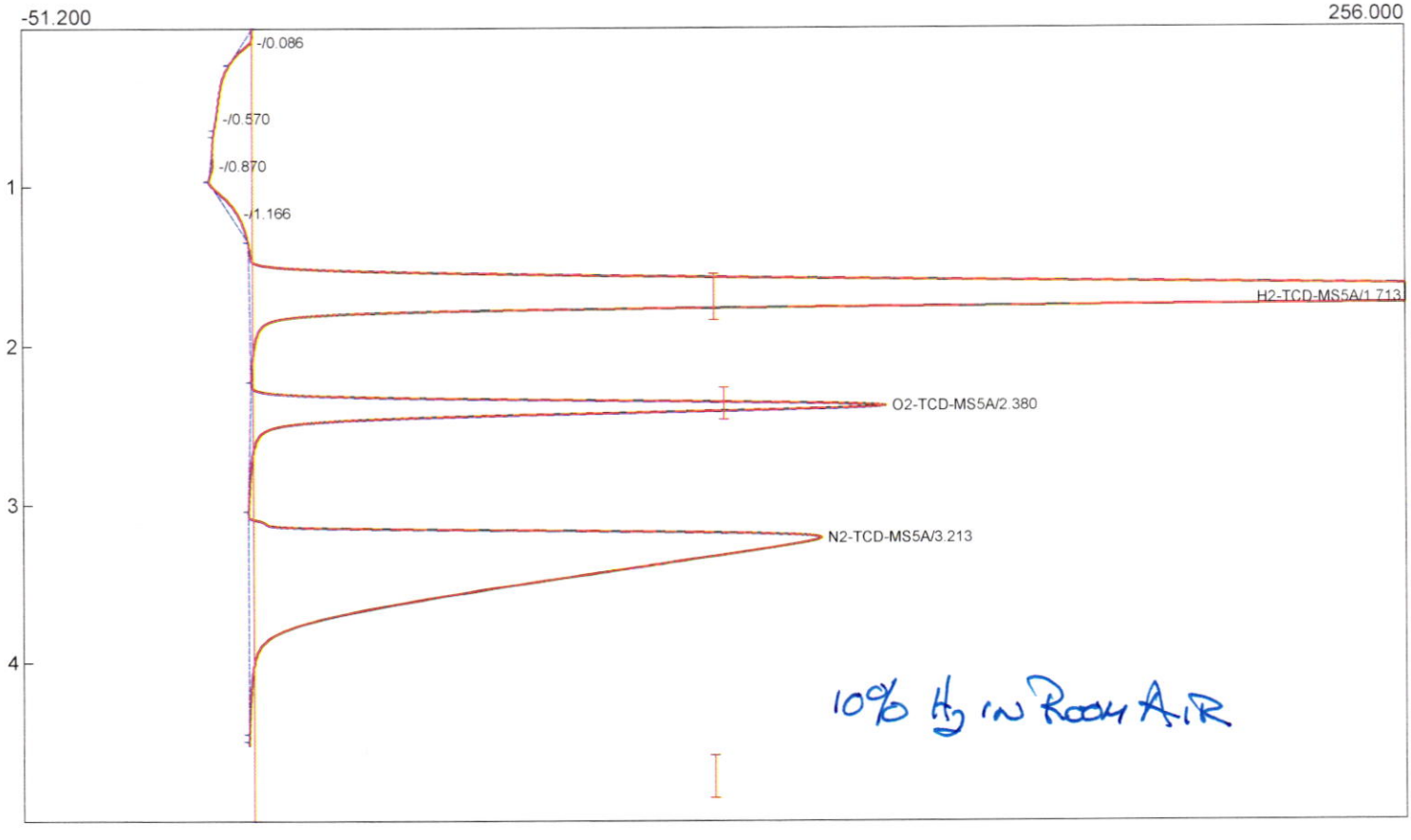
Lab name: SRI Instruments
Client: Advanced ionics
Client ID: N12736
Analysis date: 03/16/2026 13:14:13
Method: MG5 TCD only
Description: TCD low current 100C
Column: 18"HayD+6'MS5A
Carrier: Argon@20psi
Integration: Peak sens=80.0 Base sens=60.0 Min area= 1.00 Standard=100.000 Sample=100.000 Tangents=off
Data file: 333calibration05.CHR ()
Sample: 10% H2 in Room air

Temperature program:

Init temp	Hold	Ramp	Final temp
70.00	20.000	0.000	70.00

Events:

Time	Event
0.000	ZERO
0.020	G ON (Valve1)
0.900	G OFF (Valve1)
1.350	INTEG BASED IMMEDIATE



Component	Retention	Area	External	Units
H2-TCD-MS5A	1.713	3875.0600	10.0000	%
O2-TCD-MS5A	2.380	826.3083	20.0000	%
N2-TCD-MS5A	3.213	2665.2800	80.0000	%
		7366.6483	110.0000	

} CALIBRATE

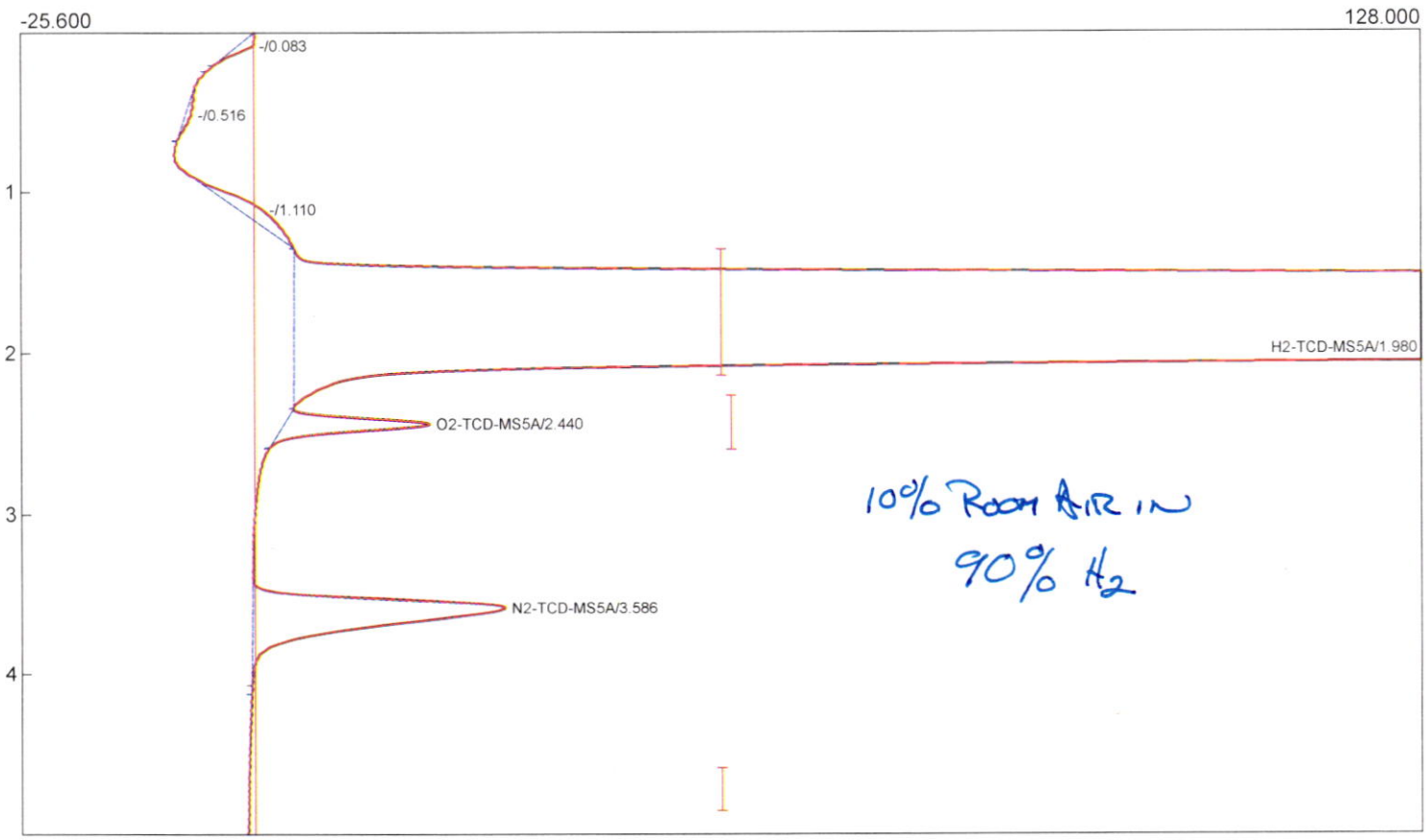
Lab name: SRI Instruments
Client: Advanced ionics
Client ID: N12736
Analysis date: 03/16/2026 13:23:12
Method: MG5 TCD only
Description: TCD low current 100C
Column: 18"HayD+6'MS5A
Carrier: Argon@20psi
Integration: Peak sens=80.0 Base sens=60.0 Min area= 1.00 Standard=100.000 Sample=100.000 Tangents=off
Data file: 333calibration06.CHR ()
Sample: 10% Room Air in H2

Temperature program:

Init temp	Hold	Ramp	Final temp
70.00	20.000	0.000	70.00

Events:

Time	Event
0.000	ZERO
0.020	G ON (Valve1)
0.900	G OFF (Valve1)
1.350	INTEG BASED IMMEDIATE



Component	Retention	Area	External	Units
H2-TCD-MS5A	1.980	27735.8810	71.5754	%
O2-TCD-MS5A	2.440	86.1578	2.0854	%
N2-TCD-MS5A	3.586	309.5041	9.2900	%
		28131.5429	82.9507	

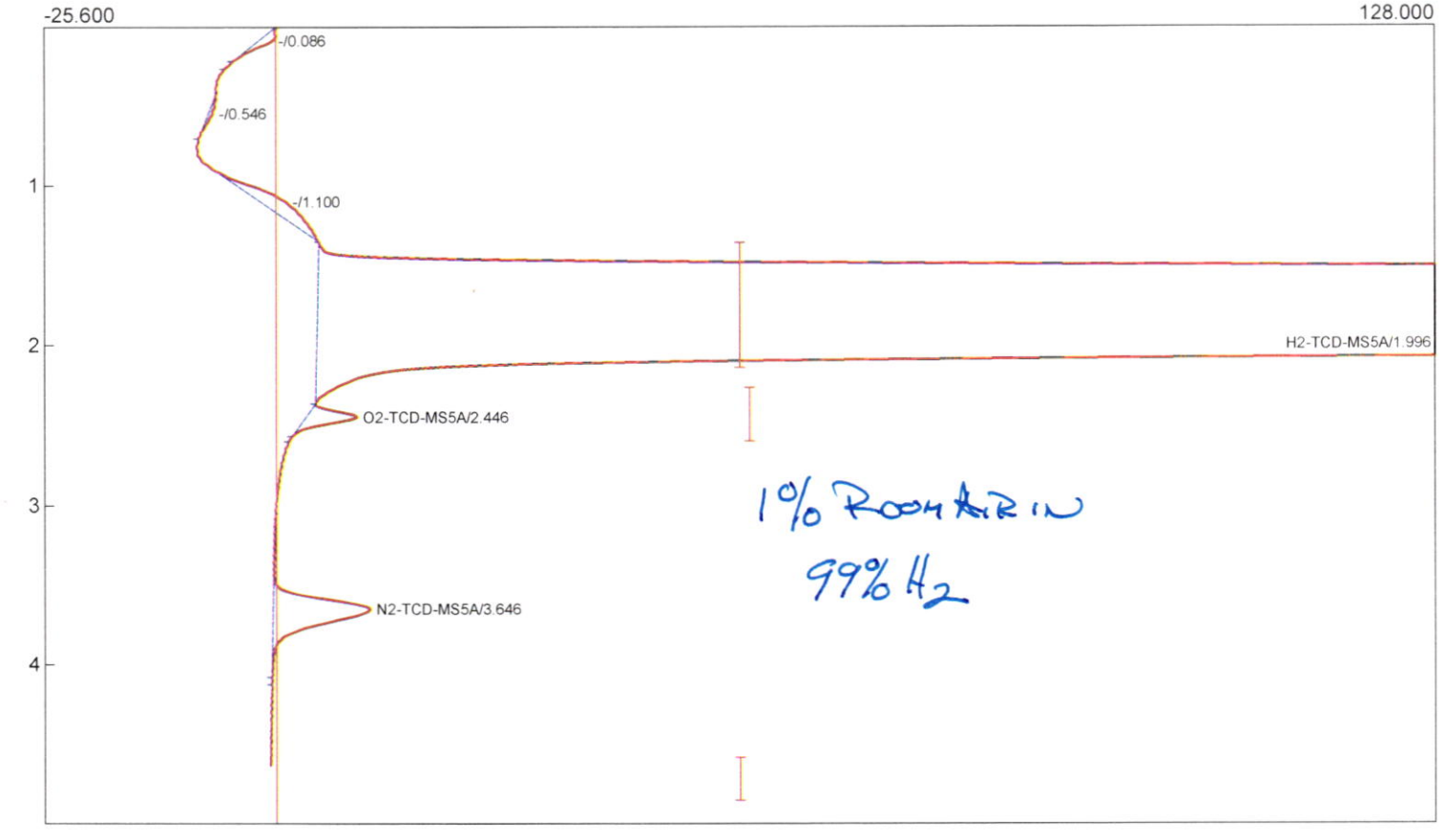
Lab name: SRI Instruments
Client: Advanced ionics
Client ID: N12736
Analysis date: 03/16/2026 13:29:15
Method: MG5 TCD only
Description: TCD low current 100C
Column: 18"HayD+6'MS5A
Carrier: Argon@20psi
Integration: Peak sens=80.0 Base sens=60.0 Min area= 1.00 Standard=100.000 Sample=100.000 Tangents=off
Data file: 333calibration07.CHR ()
Sample: 1% Room Air in 99% H2

Temperature program:

Init temp	Hold	Ramp	Final temp
70.00	20.000	0.000	70.00

Events:

Time	Event
0.000	ZERO
0.020	G ON (Valve1)
0.900	G OFF (Valve1)
1.350	INTEG BASED IMMEDIATE



Component	Retention	Area	External	Units
H2-TCD-MS5A	1.996	29449.0998	75.9965	%
O2-TCD-MS5A	2.446	28.8535	0.6984	%
N2-TCD-MS5A	3.646	113.4626	3.4056	%
		29591.4159	80.1005	

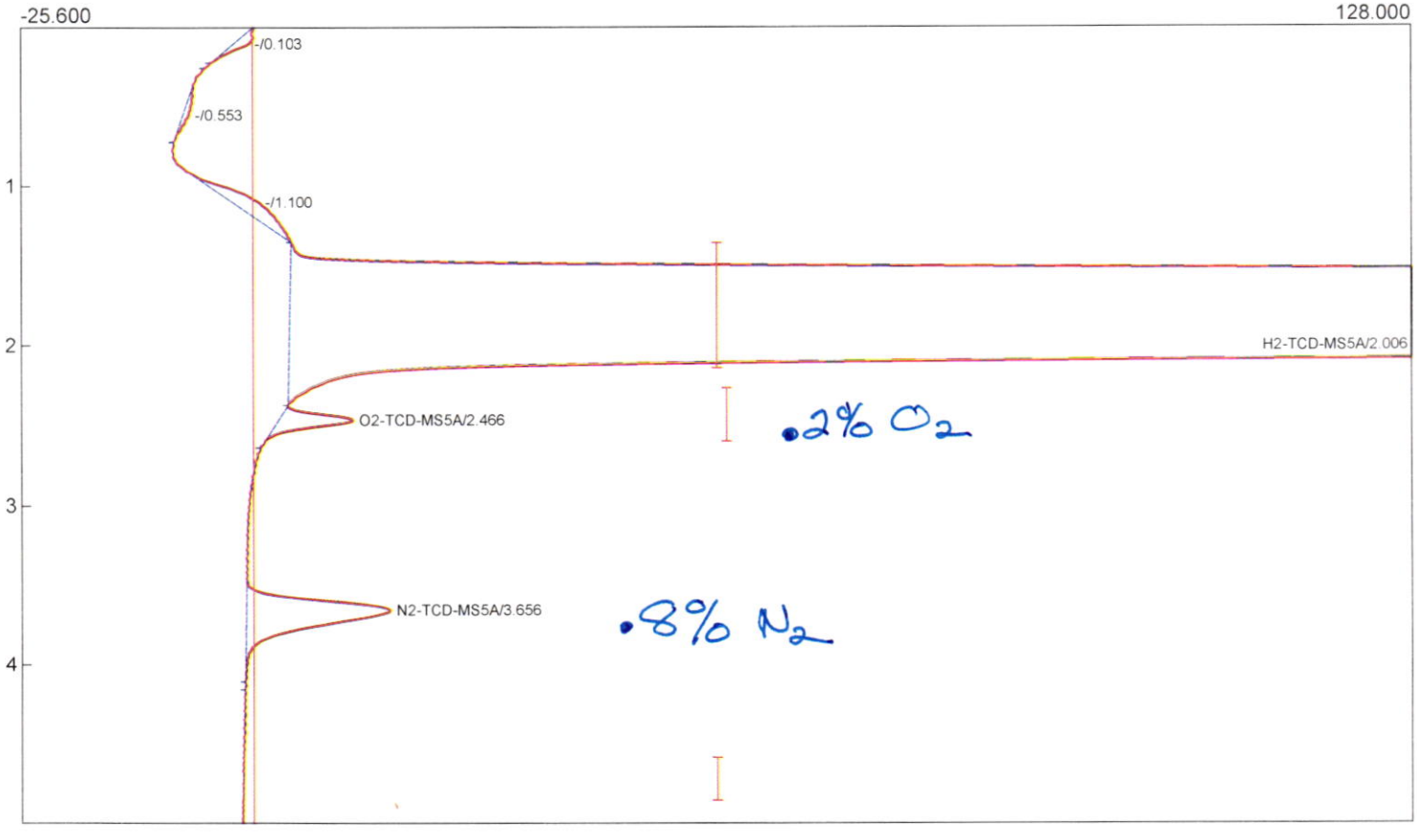
Lab name: SRI Instruments
Client: Advanced ionics
Client ID: N12736
Analysis date: 03/16/2026 13:50:28
Method: MG5 TCD only
Description: TCD low current 100C
Column: 18"HayD+6'MS5A
Carrier: Argon@20psi
Integration: Peak sens=80.0 Base sens=60.0 Min area= 1.00 Standard=100.000 Sample=100.000 Tangents=off
Data file: 333calibration10.CHR ()
Sample: 1% Room Air in 99% H2

Temperature program:

Init temp	Hold	Ramp	Final temp
70.00	20.000	0.000	70.00

Events:

Time	Event
0.000	ZERO
0.020	G ON (Valve1)
0.900	G OFF (Valve1)
1.350	INTEG BASED IMMEDIATE



Component	Retention	Area	External	Units
H2-TCD-MS5A	2.006	29045.9142	99.0000	%
O2-TCD-MS5A	2.466	45.1363	0.3381	%
N2-TCD-MS5A	3.656	169.3602	1.3824	%
		29260.4107	100.7205	

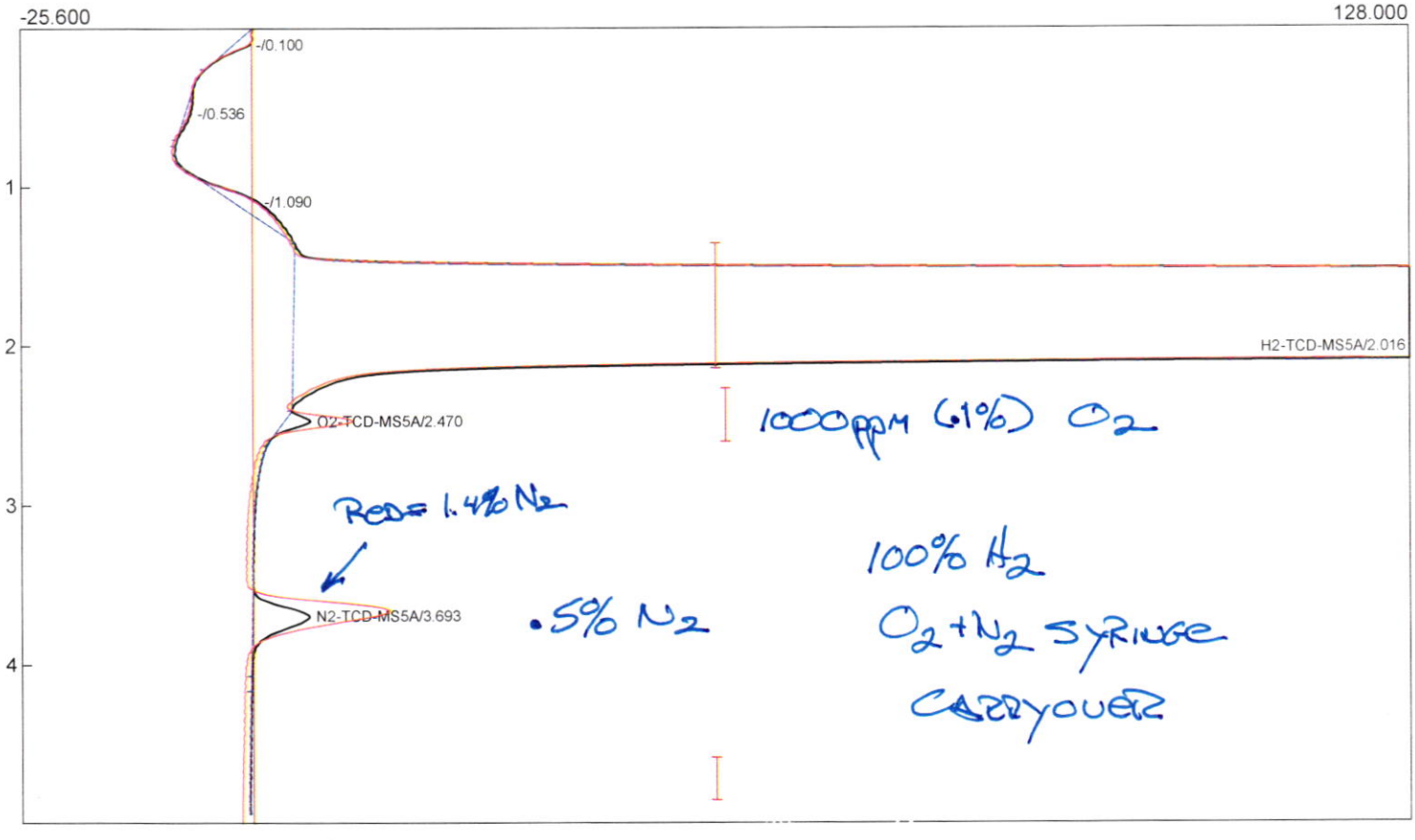
Lab name: SRI Instruments
Client: Advanced ionics
Client ID: N12736
Analysis date: 03/16/2026 14:02:34
Method: MG5 TCD only
Description: TCD low current 100C
Column: 18"HayD+6'MS5A
Carrier: Argon@20psi
Integration: Peak sens=80.0 Base sens=60.0 Min area= 1.00 Standard=100.000 Sample=100.000 Tangents=off
Data file: 333calibration11.CHR ()
Sample: 100% H2

Temperature program:

Init temp	Hold	Ramp	Final temp
70.00	20.000	0.000	70.00

Events:

Time	Event
0.000	ZERO
0.020	G ON (Valve1)
0.900	G OFF (Valve1)
1.350	INTEG BASED IMMEDIATE



Component	Retention	Area	External	Units
H2-TCD-MS5A	2.016	29941.5839	103.6433	%
O2-TCD-MS5A	2.470	15.2270	0.1141	%
N2-TCD-MS5A	3.693	65.5898	0.5354	%
		30022.4007	104.2928	

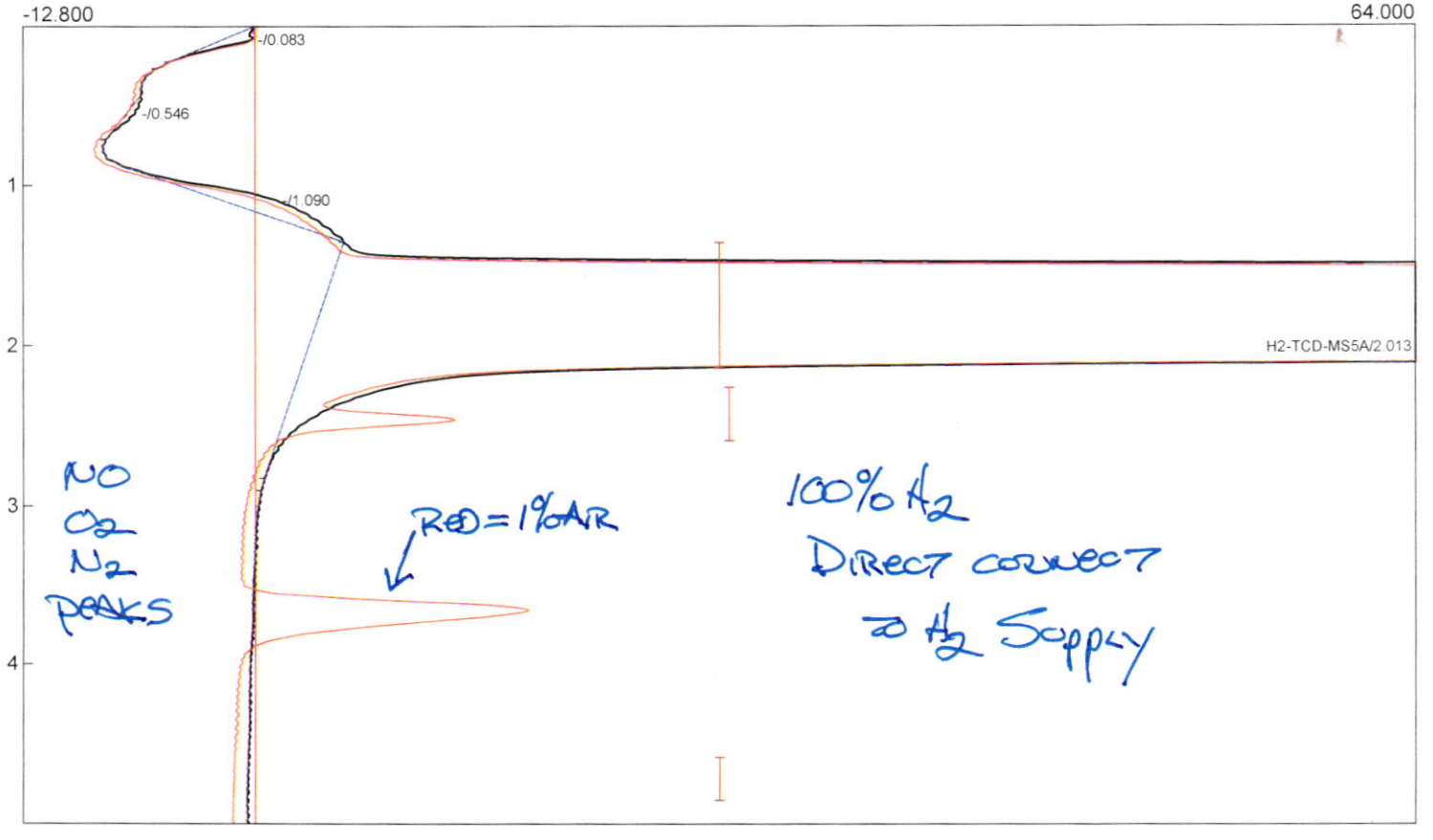
Lab name: SRI Instruments
Client: Advanced ionics
Client ID: N12736
Analysis date: 03/16/2026 14:11:23
Method: MG5 TCD only
Description: TCD low current 100C
Column: 18"HayD+6'MS5A
Carrier: Argon@20psi
Integration: Peak sens=80.0 Base sens=60.0 Min area= 1.00 Standard=100.000 Sample=100.000 Tangents=off
Data file: 333calibration12.CHR ()
Sample: 100% H2

Temperature program:

Init temp	Hold	Ramp	Final temp
70.00	20.000	0.000	70.00

Events:

Time	Event
0.000	ZERO
0.020	G ON (Valve1)
0.900	G OFF (Valve1)
1.350	INTEG BASED IMMEDIATE



Component	Retention	Area	External	Units
H2-TCD-MS5A	2.013	30655.7454	107.3457	%
		30655.7454	107.3457	