



15768 Hamilton Pool Road
 Austin, Texas 78738
 800-AIR-1024 or 512-263-0000 • Fax: 512-263-0002
 E-mail: ServiceTeam@AirCheckLab.com

SOME INFORMATION BELOW IS PREPRINTED FROM YOUR PREVIOUS AIR TEST. IF ANY OF THE INFORMATION HAS CHANGED OR IS INCORRECT, PLEASE MARK ONE LINE THROUGH IT AND CAREFULLY PRINT THE CORRECT INFORMATION.

1 Contact Information

Customer ID Customer Name Country
 Contact E-mail Phone Fax
 Alternate E-mail Phone Fax
 Please check box to the left if you'd like the AirCheck Report sent to the person below (fill in information).
 Contact E-mail

IMPORTANT: Don't forget to include contact information above. Carefully print all information and return a data sheet with each sample set.

2 Rush Analysis Request

RUSH REQUESTED, \$125 extra, Initial Here By initialing, I understand that I am authorizing Same Day Analysis & Reporting for an add'l \$125 per sample. CALL CUST. SERVICE @ EXT 3 TO SCHEDULE RUSH SVC. Samples must arrive at Trace by 10:30 a.m.

3 Purchase Order Information (if applicable)

5 Customer Comments (use back if needed)

PO Number: PO Valid Thru:

4 System Information

6 Sampled By and Sample Date

System ID:
 Sampled For:
 Testing Schedule:
 45 Days Monthly Startup
 90 Days Other Verification
 120 Days Quarterly Weekly
 Annual Random Sample
 Bimonthly Semi-Annual
 Air Spec:

SIGNATURE _____ PRINT Name (Person taking the test sample) _____
 Date Sample Taken --
 MONTH DAY YEAR

Submission of this air sample authorizes Trace Analytics, LLC to provide services. If a purchase order number is required by your company, please attach it to this data sheet or write it in the spaces provided in section "3". I attest that all information provided on this datasheet is truthful and accurate to the best of my knowledge.

If above is incorrect, indicate air spec below:

- OSHA 1910.134-Cylinders
- OSHA 1910.134-Compressor
- OSHA 1910.430-Com. Diving
- O Fire - NFPA 1989
- CGA Grade D-SCBA
- CGA Grade D2-not SCBA
- O Sport Diving - CGA Grade E
- O Other _____
- O CSA(>2216 psig)
- O CSA(15-2216 psig)
- O CSA<15 psig)

7 Sample Information

Make:
 Model:
 Serial No:
 Cylinder:
 Other ID:
 Pressure: High Pressure (>1,000 psig)
 Low Pressure (≤1,000 psig)
 Air used for: SCBA Airline Respirator
 SCUBA Other
 Purification: Molecular Sieve/Desiccant No Purification
 Refrigerated Dryer Unknown
 No Dryer
 Sampled From: Compressor Source Other
 Stored Air Outlet Not Provided
 Comp. & Storage Breather Box
 Comp. Hours:

Is this sample a Retest taken within 30 days of a failed test? Yes No

A Source Bottle, Filter, and Data Sheet MUST BE RETURNED for a complete analysis.

Filter Number (red or green label)
 Flowrate (liters per minute)
 Sample Time (minimum of 10 min.)
 Detector Tube (OMIT data if sampling media does not include Detector Tube)
 Tube Reading (0 - 200) Total Minutes Sampled
 Source Bottle Number (blue label)
 Ambient Bottle Number (white label)

Odor is REQUIRED. It's determined by sniffing the air from the side port of the Bottle Holder. MARK ONLY ONE. None/Slight Pronounced

PLEASE NOTE:

Sample Shelf Life
 Once a sample is taken, it must be received by our laboratory within 60 days.
NO EXCEPTIONS.

Shelf Life
 Sampling media must be used or returned for free replacement within 2 years of shipment date. See expiration date on return box.

(Lowest temp, low pressure breathing air may be exposed to during the year)

Lowest Temp: °F °C
 Sample Phase: Before Filter Change After Filter Change Routine

— For TRACE Use Only - CPPDS

DT Reading: Red / Gray

Receiving I.D.

Receiver's Initials


Sampling Notes for Water Vapor Detector Tube

- 1: Break BOTH tips of detector tube before inserting. Arrow on tube points away from Fitting. 50 LPM for 10 minutes.
- 2: The DT is filled with yellow filler material that reacts to the presence of water by changing color from yellow to a grayish/reddish brown. At any time during the 10 minute test if color change reaches 200 mark, remove tube and note elapsed time on data sheet.

Reading the Detector Tube for High Pressure Air Used for SCBA

The purpose of providing a detector tube for onsite testing is to allow you the opportunity to correct a problem without having to wait for the complete report. To determine if your sample passes; identify the farthest color change on the tube between 0 and 200; locate that number on chart below; identify the flowrate you took your sample on the left hand side of chart between 40 and 60; where the two readings intersect is the approximate result in °F. For example: If tube showed color change to 50, and flowrate was 50 LPM, the result would be -49°F. The number between 0 and 200 should be written on the data sheet not the dew point from the chart below.



		Det. Tube Reading, mg/m ³	2.5	5	10	20	30	40	50	60	70	80	90	100	125	175	200
 Flowrate Reading	60	-93	-84	-75	-66	-60	-56	-52	-49	-47	-45	-43	-42	-38	-33	-31	
	55	-92	-83	-74	-65	-58	-54	-51	-48	-45	-44	-42	-40	-36	-31	-29	
	50	-90	-81	-72	-62	-56	-52	-49	-46	-44	-42	-40	-38	-34	-29	-27	
	45	-88	-79	-70	-60	-54	-50	-47	-44	-41	-39	-38	-36	-32	-26	-24	
	40	-86	-77	-68	-58	-52	-47	-44	-41	-39	-36	-35	-33	-29	-23	-21	
		PASS					FAIL										

Above area marked "Pass" is for high pressure air used for SCBA; with a -65°F limit per CGA Grade D/NFPA 1989. See AirCheck Notebook Instructions for complete range of flowrates and further details.

If your detector tube reading indicates that you have a problem (anything outside of the PASS area in chart above); go through the following checklist; take corrective action; then retake your sample to see if the problem has been corrected. The 2nd test is free. Submit both samples for analysis to Trace's laboratory.

Troubleshooting Checklist

Purification filters/ Depressurized filters	High ambient air temperatures (above 70°F) affect the operating life of the cartridge. Chemicals used in purification filters begin to degrade as soon as they are installed. Is it time to change the filters?
Manual/auto drain or priority valve	If not working properly can be source for excess water and reduce filter life.
Remote fill or hose reel	Long lengths (>25 ft) of hose are notorious for accumulating and retaining water. A short 1-2 minute purge WILL NOT be sufficient. It is best to take sample from a short fill hose (5-10 ft) or directly from containment fill station. - View our resource videos at www.AirCheckLab.com
Recent hydrostat	Bottles must be properly dried after hydrostat and should be immediately pressurized with dry air.
Valves left open	Ambient air can easily have 10,000 - 50,000 ppm of water. Purge sufficiently to remove water accumulated from ambient air.
Sample taken from storage	Take sample from compressor to identify if compressor is producing dry air. If yes, storage banks may contain excess water. Drain and refill with dry air. This may require 2-3 fills to drive off water from inside cylinders. You can request extra detector tubes (\$10 ea) to do several checks for water without doing a complete air sample.
Detector tube cracked	Only the tips of the tube should be broken. If a crack runs down the main body of the tube, results will not be dependable.
Tube fitting wet	If multiple samples are taken consecutively, excess water may pool inside the fitting. Dry fitting between uses.
Other	Keep in mind that 1 milliliter (which is about 20 drops from an eyedropper) in a 1.7 cubic ft cylinder at 4500 psig would be 90 ppm of water vapor. It doesn't take much to fail.