**Routine AirCheck DataSheet™**

**Trace Analytics, LLC**  
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

<table>
<thead>
<tr>
<th>Customer ID</th>
<th>Customer Name</th>
<th>Country</th>
</tr>
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<tbody>
<tr>
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<table>
<thead>
<tr>
<th>Contact</th>
<th>E-mail</th>
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<table>
<thead>
<tr>
<th>Alternate</th>
<th>E-mail</th>
<th>Phone</th>
<th>Fax</th>
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<tbody>
<tr>
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</table>

Please check box to the left if you’d like the AirCheck® Report sent to the person below (fill in information).

<table>
<thead>
<tr>
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<tbody>
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</tbody>
</table>

### 2 Rush Analysis Request

**RUSH**重要：请拨打1-800-247-1024（ext. 2）或1-512-263-0000（ext. 2）安排RUSH。

### 3 Purchase Order Information (if applicable)

<table>
<thead>
<tr>
<th>PO Number</th>
<th>PO Valid Thru</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tbody>
</table>

### 4 System Information

**Sampled For:**  
- [ ] 45 Days  
- [ ] Monthly  
- [ ] Semi-Annual  
- [ ] 120 Days  
- [ ] Other  
- [ ] Startup  
- [ ] Annual  
- [ ] Quarterly  
- [ ] Verification  
- [ ] Bimonthly  
- [ ] Random Sample  
- [ ] Weekly

**Air Spec:**  
Indicate air spec below (two maximum):  
- [ ] OSHA 1910.134-Cylinders  
- [ ] OSHA 1910.134-Compressor  
- [ ] OSHA 1910.430-Com. Diving  
- [ ] OSHA 1910.134-Compressor  
- [ ] OSHA 1910.430-Com. Diving  
- [ ] OSHA 1910.430-Com. Diving  
- [ ] OSHA 1910.430-Com. Diving  
- [ ] OSHA 1910.430-Com. Diving

**Make:**

**Model:**

**Serial No:**

**Cylinder:**

**Other ID:**

**Pressure:**  
- [ ] High Pressure (1,000-6,000 psi)  
- [ ] Low Pressure (less than 1,000 psi)  
- [ ] SCBA  
- [ ] SCUBA  
- [ ] Airline Respirator  
- [ ] Other

**Air used for:**  
- [ ] Molecular Sieve/Desiccant  
- [ ] Refrigerated Dryer  
- [ ] No Purification  
- [ ] Unknown  
- [ ] No Dryer

**Sampled From:**  
- [ ] Compressor  
- [ ] Source  
- [ ] Other  
- [ ] Stored Air  
- [ ] Outlet  
- [ ] Comp. & Storage  
- [ ] Breather Box

**Comp. Hours:**

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

**Lowest Temp:**

- [ ] °F  
- [ ] °C

**NFPA 1989 Only:**  
- [ ] Before Filter Change  
- [ ] After Filter Change  
- [ ] Routine

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**For TRACE Use Only - CBDS**

<table>
<thead>
<tr>
<th>DT Reading: Red / Gray</th>
<th>Receiving I.D.</th>
<th>Receiver's Initials</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
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</tbody>
</table>

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**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.

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</table>

**Submittal 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.**

**SIGNATURE**

**PRINT Name (person taking the test sample)**

**Date Sample Taken**

<table>
<thead>
<tr>
<th>MONTH</th>
<th>DAY</th>
<th>YEAR</th>
</tr>
</thead>
</table>

**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)

<table>
<thead>
<tr>
<th>Tube Reading (0 - 200)</th>
<th>Total Minutes Sampled</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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.
### 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.

<table>
<thead>
<tr>
<th>Det. Tube Reading, mg/m³</th>
<th>2.5</th>
<th>5</th>
<th>10</th>
<th>20</th>
<th>30</th>
<th>40</th>
<th>50</th>
<th>60</th>
<th>70</th>
<th>80</th>
<th>90</th>
<th>100</th>
<th>125</th>
<th>175</th>
<th>200</th>
</tr>
</thead>
</table>

**Legend**

√ Requires special equipment; call to request.

ƒ = A special filter is required (different from the red label filter); call to request.

† = Additional charges apply; call Trace Analytics, Inc. for details.

†ƒ = Requires 1000 liters of air to pass through the filter; see your AirCheck videos at www.AirCheckLab.com

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

<table>
<thead>
<tr>
<th>Specification</th>
<th>Description of Problem</th>
</tr>
</thead>
<tbody>
<tr>
<td>Purification filters/ Depressurized filters</td>
<td>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?</td>
</tr>
<tr>
<td>Manual/auto drain or priority valve</td>
<td>If not working properly can be source for excess water and reduce filter life.</td>
</tr>
<tr>
<td>Remote fill or hose reel</td>
<td>Long lengths (&gt;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 <a href="http://www.AirCheckLab.com">www.AirCheckLab.com</a></td>
</tr>
<tr>
<td>Recent hydrostat</td>
<td>Bottles must be properly dried after hydrostat and should be immediately pressurized with dry air.</td>
</tr>
<tr>
<td>Valves left open</td>
<td>Ambient air can easily have 10,000 - 50,000 ppm of water. Purge sufficiently to remove water accumulated from ambient air.</td>
</tr>
<tr>
<td>Sample taken from storage</td>
<td>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.</td>
</tr>
<tr>
<td>Detector tube cracked</td>
<td>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.</td>
</tr>
<tr>
<td>Tube fitting wet</td>
<td>If multiple samples are taken consecutively, excess water may pool inside the fitting. Dry fitting between uses.</td>
</tr>
<tr>
<td>Other</td>
<td>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.</td>
</tr>
</tbody>
</table>