

Certificate of Analysis

High Coast Diving

is in compliance with the air/gas quality portion of the specification:

CGA G-7.1-2018 Grade E (O) & L(O)

as analyzed and reported on this certificate for the sample described under section "sample & report information"



Analytical Test Methods:	Media Sampled:	Estimate of Uncertainty:
Gases & Vapors: CAT-A-01 Gas Chromatography/Mass Spectrometry	Source Bottle: 7009810	The average estimate of uncertainty at standard specification limits for 10 compounds normally reported is $\pm 3.24\%$, at a 95% confidence interval (k=2). For more detailed uncertainty information, contact Trace Analytics, LLC.
Oil & Particulate: CAT-A-03 Analytical Gravimetry	Ambient Bottle: N/A	
Particle Size: CAT-A-04 Optical Microscopy	Source Filter: 8829	
Pressure Dew Point: CAT-A-07 Gas Detector Tube	Detector Tube: Draeger 5-a/P	

Maria Sandoval
Maria Sandoval, Laboratory Director

Results of Test: PASS

Sample & Report Information

From:	Analytes	Source Results (1)	Ambient Results	Specification Allowable Limits	Sampled For	High Coast Diving
Trace Analytics, LLC 15768 Hamilton Pool Road Austin, Texas 78738	Oxygen, Volume %	21.2	N/A	20-22	Sampled By	Daniel Holmberg
	Nitrogen, Volume %	77.9	N/A	N/A	Sampled On	5/6/2022
	Argon, Volume %	0.9	N/A	N/A	Received On	5/16/2022
	Nitrogen Plus Argon, Volume %	78.8	N/A	N/A	Analyzed On	5/17/2022
	Carbon Monoxide (CO), ppmv	<0.5	N/A	10	Sampled From	Compressor
	Carbon Dioxide (CO2), ppmv	107	N/A	1000	Make	Hamworthy
	Water Content (H2O), ppmv/Dewpoint, °F (DT)	2 / -99	N/A	24 / -65 (W)	Model	BP17V
	TVHC (including CH4), ppmv	6.5	N/A	25	Serial No.	82219
	Methane (CH4) ppmv	2.6	N/A	N/A		
	TVHC (excluding CH4), ppmv	3.9	N/A	N/A		
	Oil (condensed) & Particulate, mg/m3	<0.02	N/A	5		
	Odor (provided by customer)	None/Slight	N/A	None/Slight	Hours	2673
	Other	N/A	N/A	N/A	Sample Phase	After Filter Change
Other	N/A	N/A	N/A	Customer Comments		
Other	N/A	N/A	N/A	Report Number	22-14133	
				Customer ID	4806	
				Date Reported	5/17/2022	
				Frequency	Semi-Annual	

(1) Results apply to the sample as received from the customer. Information supplied by the customer can affect the validity of results.
 (DT) Water content Pass/Fail was determined by water vapor detector tube analysis.
 (O) This specification is for applications where the CGA G-7.1 SCBA requirement for water content is employed. It combines the stricter limits of the Grades L and E.
 (W) Dew point is expressed in °F at one atmosphere pressure absolute.
 (DT) Detector tube readings performed by the customer. Dew point is calculated at 1 atmosphere pressure (14.7 psia) from the detector tube reading.