



SA Scuba Shack

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

CGA G-7.1-2018 Grade E (2)

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

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Analytical Test Methods:			Media Sampled:		Estimate of Uncertainty:				
Gases & Vapors:	CAT-A-01	Gas Chromatography/Mass Spectrometry	Source Bottle:	7022335	The average estimate of uncertainty at standard specification limits for 10				
Oil & Particulate:	CAT-A-03	Analytical Gravimetry	Ambient Bottle:		compounds normally reported is ±3.24%, at a 95% confidence interval				
Particle Size:	CAT-A-04	Optical Microscopy	Source Filter:	1200101	(k=2). For more detailed uncertainty information, contact Trace Analytics,				
Pressure Dew Point:	CAT-A-07	Gas Detector Tube	Detector Tube:	Draeger 5-a/P	LLC.				

Maria Sandoval Laboratory Director

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Trace Analytics, LLC 15768 Hamilton Pool Road Austin, Texas 78738

To:
MR. DAVID GUERNSEY
SA SCUBA SHACK
10102 HUEBNER RD
SAN ANTONIO, TX 78240
UNITED STATES

Results of Test:	PASS				Sample & Re	port Information (2)
s, LLC in Pool Road 78738	Analytes	Source Results (1)	Ambient Results	Specification Allowable Limits	Sampled For	SA Scuba Shack
	Oxygen, Volume %	21.0	21.1	20-22	Sampled By	Not Provided
	Nitrogen, Volume %	78.1	78.0	N/A	Sampled On	8/16/2024
	Argon, Volume %	0.9	0.9	N/A	Received On	8/22/2024
	Nitrogen Plus Argon, Volume %	79.0	N/A	N/A	Analyzed On	8/26/2024
	Carbon Monoxide (CO), ppmv	1.3	< 0.5	10	Sampled From	Compressor & Stored Air
	Carbon Dioxide (CO2), ppmv	487	453	1000	Comp Make	Alkin
ERNSEY	Water Content (H2O), ppmv/Dewpoint, °F (DT)	N/A	N/A	N/A / N/A (W)	Model	W4-15-345 FP6M
	TVHC (including CH4), ppmv	9.1	6.7	25	Serial No.	948564
	Methane (CH4) ppmv	2.3	2.1	N/A	Filtration	Alkin
	TVHC (excluding CH4), ppmv	6.8	4.6	N/A		
	Oil (condensed) & Particulate, mg/m3	< 0.05	N/A	5		
ER RD	Odor (provided by customer)	None/Slight	N/A	None/Slight		
S	Other	N/A	N/A	N/A		
	Other	N/A	N/A	N/A	Hours	1295.04
	Other	N/A	N/A	N/A	Sample Phase	Routine
	(1) Results apply to the sample as received from the customer. Info		Customer			
	supplied by the customer (except dates received, analyzed and repo (2) This specification is intended for or applications that do not requ		Comments			
	the typical use is listed as SCUBA air. As allowed by CGA G-7.1-20					
	compressed air required for any particular QVL [grade] can vary with		Report Number	24-27435		
	(W) Dew point is expressed in °F at one atmosphere pressure abso	lute.	Customer ID	33744		
					Date Reported	8/26/2024
					Frequency	Quarterly