TRACE Analytics...



Certificate of Analysis

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"

					, ,			
	Analytical Test Methods:			Media Sample	d:	Estimate of Uncertainty:		
<u> </u>	Gases & Vapors:	CAT-A-01	Gas Chromatography/Mass Spectrometry	Source Bottle:	7025279	The average estimate of uncertainty at standard specification limits for 10		
EDITED	Oil & Particulate:	CAT-A-03	Analytical Gravimetry	Ambient Bottle:		compounds normally reported is $\pm 3.24\%$, at a 95% confidence interval		
FICATION	Particle Size:	CAT-A-04	Optical Microscopy	Source Filter:	1236173	(k=2). For more detailed uncertainty information, contact Trace Analytics,		
322.01	Pressure Dew Point:	CAT-A-07	Gas Detector Tube	Detector Tube:	Draeger 5-a/P	LLC.		

Sandoval Laboratory Direc

Results of Tes	t: PASS				Sample & Re	eport Information
From:	Analytes	Source Results (1)	Ambient Results	Specification Allowable Limits	Sampled For	SA Scuba Shack
	Oxygen, Volume %	21.0	20.9	20-22	Sampled By	David Guernsey
Trace Analytics, LLC	Nitrogen, Volume %	78.1	78.2	N/A	Sampled On	4/11/2024
15768 Hamilton Pool Road	Argon, Volume %	0.9	0.9	N/A	Received On	4/15/2024
Austin, Texas 78738	Nitrogen Plus Argon, Volume %	79.0	N/A	N/A	Analyzed On	4/16/2024
,	Carbon Monoxide (CO), ppmv	1.1	1.1	10	Sampled From	Compressor
	— Carbon Dioxide (CO2), ppmv	564	556	1000	Comp Make	Alkin
	Water Content (H2O), ppmv/Dewpoint, °F (DT)	N/A	N/A	N/A / N/A (W)	Model	W4-15-345 FP6M
To:	TVHC (including CH4), ppmv	5.4	6.2	25	Serial No.	948564
MR. DAVID GUERNSEY	Methane (CH4) ppmv	2.1	1.9	N/A	Filtration	Alkin
	TVHC (excluding CH4), ppmv	3.3	4.3	N/A	Cylinder(s)	Cascade
SA SCUBA SHACK	Oil (condensed) & Particulate, mg/m3	0.06	N/A	5		
10102 HUEBNER RD	Odor (provided by customer)	None/Slight	N/A	None/Slight		
SAN ANTONIO, TX 78240	Other	N/A	N/A	N/A		
UNITED STATES	Other	N/A	N/A	N/A	Hours	1237
UNITED STATES	Other	N/A	N/A	N/A	Sample Phase	After Filter Change
	(1) Results apply to the sample as received from the custome		Customer			
	(DT) Water content Pass/Fail was determined by water vapor (2) This specification is intended for or applications that do n	contant limit for Crado F. for which	Comments			
	the typical use is listed as SCUBA air. As allowed by CGA G-7					
	compressed air required for any particular QVL [grade] can va		Report Number	24-12549		
	(W) Dew point is expressed in °F at one atmosphere pressur		Customer ID	33744		
	(P) Evidence of the presence of particulate was observed with	the naked eye on the filter at the time o	Date Reported	4/16/2024		
			Frequency	Quarterly		