From:

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

800-247-1024 • 512-263-0000 Fax 512-263-0002 E-mail service@AirCheckLab.com

Mr. Gerald Bayus, Jr. RecTEC Divers LLC 101 Leckrone Way Cortland, OH 44410

TRACE Analytics LLC

Report 19-16967, Sampled on

5/20/2019



Analysis Certificate

Next Sample Due Quarterly, Approximately

8/20/2019

RECTEC DIVERS LLC

IS IN COMPLIANCE WITH THE AIR/GAS QUALITY PORTION OF THE SPECIFICATION: OXYGEN COMPAT. AIR-2003 (I) & CGA G-7.1-2011 GRADE E (2)

AS ANALYZED AND REPORTED ON THIS CERTIFICATE FOR THE SAMPLE DESCRIBED UNDER SECTION "SAMPLE & REPORT INFORMATION"



Results of Test: PASS

American Assn for Laboratory Accreditation 1991: Certificate No. 322.01 Chemical Field of Testing

Analytical Test Methods	Media Sampled	Estimate of Uncertainty
Gases & Vapors Oii & Particulate CAT-A-01 Gas Chromatography/Mass Spectrometry CAT-A-03 Analytical Gravimetry Pressure Dew Point CAT-A-07 Gas Detector Tube	Ambient Bottle: 434773	The average analytical uncertainty ($k=2$) is 98.8±2.4% (relative) at the specification limit for the ten compounds normally reported. For uncertainty information for a specific compound, contact Trace Analytics.

Results relate only to items tested. This report shall not be reproduced except in full without the written permission of Trace Analytics, LLC © Copyright 2019, Trace Analytics, LLC

Sample & Repo	ort Information	
Sampled For	RecTEC Divers LLC	
Sampled By	Gerald Bayus Jr.	
Sampled On	5/20/2019	
Received On	5/23/2019	
Analyzed On	5/23/2019	
Sampled From	Compressor	
Make	Poseidon	
Model	PFU150	
Serial No.	PFU-15097042405	
Hours	2305	
Sample Phase	After Filter Change	
Customer	Replaced Final Filter. Cleaned/Replaced All	
Comments	Sinterec Filters, Filter Tower And Moisture	
	Separator. Outside Temp 66 Degrees Humidity 67%.	
Report Number	1	
Customer ID	32507	
Date Reported	5/28/2019	
Frequency	Quarterly	
Next Sample Due Approx.	8/20/2019	

or	RecTEC Divers LLC	Analytes	Source Results	Ambient Results	Specification ¹ Allowable Limits	
у	Gerald Bayus Jr.	Oxygen, Volume %	20.7	20.9	20-22	
n	5/20/2019	Nitrogen, Volume %	78.4	78.2	N/A	
)n	5/23/2019	Argon, Volume %	0.9	0.9	N/A	
n	5/23/2019	Nitrogen Plus Argon, Volume %	79.3	N/A	N/A	
rom	Compressor	Carbon Monoxide (CO), ppmv	<0.5	<0.5	2	
	Poseidon	Carbon Dioxide (CO ₂), ppmv	8	459	1000	•
	PFU150	Water Content (H ₂ O), ppmv/Dewpoint, °F	20.3 / -68	N/A	N/A / N/A (W)	
	PFU-15097042405	Atmospheric Dew Point, °F (DT)	-49	N/A	N/A	
		TVHC (including CH ₄), ppmv	1.9	5.7	25	
		Methane (CH₄) ppmv	1.9	2.9	N/A	
		TVHC (excluding CH ₄), ppmv	<0.7	2.8	N/A	
		Oil (condensed) & Particulate, mg/m ³	0.04	N/A	0.1	
	2305	Odor (provided by customer)	None/Slight	N/A	None/Slight	
ase	After Filter Change	Other	N/A	N/A	N/A	
	Replaced Final Filter. Cleaned/Replaced All	Other	N/A	N/A	N/A	
	Sinterec Filters, Filter Tower And Moisture	Other	N/A	N/A	N/A	
Separator. Outside Temp 66 Degrees Humidity		(2) Water content is reported although not required by CGA G-7.1 for breathing air not used in conjunction with SCBA				

(2) Water content is reported although not required by CGA G-7.1 for breathing air not used in conjunction with SCBA.

- (I) This specification for oxygen compatible air is taken from ANSI/CGA G-7.1 Grade E as modified by International Association of Nitrox and Technical Divers (IANTD) in their document Blending Standards, 2003.
- (W) Dew point is expressed in °F at one atmosphere pressure absolute.
- (DT) Dew point is calculated at 1 atmosphere pressure (14.7 psia) from the detector tube reading.

From:

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

800-247-1024 • 512-263-0000 Fax 512-263-0002 E-mail service@AirCheckLab.com

Mr. Gerald Bayus, Jr. RecTEC Divers LLC 101 Leckrone Way Cortland, OH 44410

TRACE Analytics |

Report 18-13705, Sampled on

5/2/2018



Analysis Certificate

Next Sample Due Quarterly, Approximately

8/2/2018

RECTEC DIVERS LLC

IS IN COMPLIANCE WITH THE AIR/GAS QUALITY PORTION OF THE SPECIFICATION:

OXYGEN COMPAT. AIR-2003 (I) & CGA G-7.1-2011 GRADE E (2)

AS ANALYZED AND REPORTED ON THIS CERTIFICATE FOR THE SAMPLE DESCRIBED UNDER SECTION "SAMPLE & REPORT INFORMATION"



American Assn for Laboratory Accreditation 1991: Certificate No. 322.01 Chemical Field of Testing

Analytical Test Methods	Media Sampled	Estimate of Uncertainty
Gases & Vapors Oil & Particulate CAT-A-01 Gas Chromatography/Mass Spectrometry CAT-A-03 Analytical Gravimetry Pressure Dew Point CAT-A-07 Gas Detector Tube	Ambient Bottle: N/A	The average analytical uncertainty ($k=2$) is $98.8\pm2.4\%$ (relative) at the specification limit for the ten compounds normally reported. For uncertainty information for a specific compound, contact Trace Analytics.

Results relate only to items tested. This report shall not be reproduced except in full without the written permission of Trace Analytics, LLC

© Copyright 2018, Trace Analytics, LLC

Sample & Repo	ort Information	Results of Test: PASS
Sampled For	RecTEC Divers LLC	Α
Sampled By	Gerald Bayus Jr.	Oxygen, Volume %
Sampled On	5/2/2018	Nitrogen, Volume %
Received On	5/4/2018	Argon, Volume %
Analyzed On	5/4/2018	Nitrogen Plus Argon, Volu
Sampled From	Compressor	Carbon Monoxide (CO), p
Make	Poseidon	Carbon Dioxide (CO ₂), pp
Model	PFU150	Water Content (H ₂ O), ppr
Serial No.	PFU-15097042405	Atmospheric Dew Point, ^c
		TVHC (including CH ₄), pp
		Methane (CH₄) ppmv
		TVHC (excluding CH ₄), p
		Oil (condensed) & Particu
Hours	2270	Odor (provided by custon
Sample Phase	Routine	Other
Customer		Other
Comments		Other
		(2) Water content is reported
Deve est Neves have	40 40705	 (I) This specification for oxyg document Blending Standard
Report Number		(W) Dew point is expressed i
Customer ID	32507	(11) 2011 point to expressed .
Date Reported	5/8/2018	(DT) Dew point is calculated
Frequency	Quarterly	
Next Sample Due Approx.	8/2/2018	

Sample & Repo	or control in action	Results of Test: PASS				
Sampled For	RecTEC Divers LLC	Analytes	Source Results	Ambient Results	Specification ¹ Allowable Limits	
Sampled By	Gerald Bayus Jr.	Oxygen, Volume %	21.0	N/A	20-22	
Sampled On	5/2/2018	Nitrogen, Volume %	78.1	N/A	N/A	
Received On	5/4/2018	Argon, Volume %	0.9	N/A	N/A	
Analyzed On	5/4/2018	Nitrogen Plus Argon, Volume %	79.0	N/A	N/A	
Sampled From	Compressor	Carbon Monoxide (CO), ppmv	1.0	N/A	2	
Make	Poseidon	Carbon Dioxide (CO ₂), ppmv	516	N/A	1000	
Model	PFU150	Water Content (H ₂ O), ppmv/Dewpoint, °F	207 / -32	N/A	N/A / N/A (W)	1
Serial No.	PFU-15097042405	Atmospheric Dew Point, °F (DT)	-49	N/A	N/A	
		TVHC (including CH ₄), ppmv	4.5	N/A	25	'
		Methane (CH ₄) ppmv	2.5	N/A	N/A	
		TVHC (excluding CH ₄), ppmv	2.0	N/A	N/A	
		Oil (condensed) & Particulate, mg/m ³	0.04	N/A	0.1	
Hours	2270	Odor (provided by customer)	None/Slight	N/A	None/Slight	
Sample Phase	Routine	Other	N/A	N/A	N/A	
Customer		Other	N/A	N/A	N/A	
Comments		Other	N/A	N/A	N/A	
		(2) Water content is reported although not required by CGA G-7.1	for breathing air not used in con-	unction with SCBA.		

(I) This specification for oxygen compatible air is taken from ANSI/CGA G-7.1 Grade E as modified by International Association of Nitrox and Technical Divers (IANTD) in their document Blending Standards, 2003.

(W) Dew point is expressed in °F at one atmosphere pressure absolute.

(DT) Dew point is calculated at 1 atmosphere pressure (14.7 psia) from the detector tube reading.

From:

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

800-247-1024 • 512-263-0000 Fax 512-263-0002 E-mail service@AirCheckLab.com

To: Mr. Gerald Bayus, Jr. RecTEC Divers LLC 101 Leckrone Way Cortland, OH 44410

TRACE Analytics ...

Report 17-14372, Sampled on

5/7/2017



Analysis Certificate

Next Sample Due Quarterly, Approximately

8/7/2017

RECTEC DIVERS LLC

IS IN COMPLIANCE WITH THE AIR/GAS QUALITY PORTION OF THE SPECIFICATION:

OXYGEN COMPAT. AIR-2003 (I) & CGA G-7.1-2011 GRADE E (2)

AS ANALYZED AND RÉPORTED ON THIS CERTIFICATE
FOR THE SAMPLE DESCRIBED UNDER SECTION "SAMPLE & REPORT INFORMATION"



American Assn for Laboratory Accreditation 1991: Certificate No. 322.01 Chemical Field of Testing Richard A Smith Laboratory Director

Analytical Test Methods	Media Sampled	Estimate of Uncertainty
Gases & Vapors Oil & Particulate CAT-A-01 Gas Chromatography/Mass Spectrometry CAT-A-03 Analytical Gravimetry Particle Size AT-A-04 Optical Microscopy Pressure Dew Point CAT-A-07 Gas Detector Tube	Source Bottle: 758212 Ambient Bottle: 433686 Source Filter: 3357 Detector Tube: Draeger 5-a/P	The average analytical uncertainty (k=2) is 98.8±2.4% (relative) at the specification limit for the ten compounds normally reported. For uncertainty information for a specific compound, contact Trace Analytics.

Results relate only to items tested. This report shall not be reproduced except in full without the written permission of Trace Analytics, LLC

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Sample & Repo	ort Information	Results of Test: PASS
Sampled For	RecTEC Divers LLC	Α
Sampled By	Gerald Bayus Jr.	Oxygen, Volume %
Sampled On	5/7/2017	Nitrogen, Volume %
Received On	5/12/2017	Argon, Volume %
Analyzed On	5/12/2017	Nitrogen Plus Argon, Volu
Sampled From	Compressor	Carbon Monoxide (CO), p
Make	Poseidon	Carbon Dioxide (CO ₂), pp
Model	PFU150	Water Content (H ₂ O), ppn
Serial No.	PFU-15097042405	Atmospheric Dew Point, c
		TVHC (including CH ₄), pp
		Methane (CH ₄) ppmv
		TVHC (excluding CH ₄), pp
		Oil (condensed) & Particu
Hours	2234	Odor (provided by custom
Sample Phase	Routine	Other
Customer		Other
Comments		Other
		(2) Water content is reported(I) This specification for oxygo
Report Number	17-14372	document Blending Standard
Customer ID	32507	(W) Dew point is expressed in
Date Reported	5/15/2017	(DT) Dew point is calculated
Frequency	Quarterly	
Next Sample Due Approx.	8/7/2017	

Nesalts of Test. TAGE				
Analytes	Source Results	Ambient Results	Specification ¹ Allowable Limits	
Oxygen, Volume %	21.1	20.7	20-22	
Nitrogen, Volume %	78.0	78.4	N/A	
Argon, Volume %	0.9	0.9	N/A	
Nitrogen Plus Argon, Volume %	78.9	N/A	N/A	
Carbon Monoxide (CO), ppmv	<0.3	<0.3	2	
Carbon Dioxide (CO ₂), ppmv	466	544	1000	
Water Content (H ₂ O), ppmv/Dewpoint, °F	<3.4 / <-91	N/A	N/A / N/A (W)	
Atmospheric Dew Point, °F (DT)	-58	N/A	N/A	
TVHC (including CH₄), ppmv	2.5	10.5	25	
Methane (CH ₄) ppmv	2.5	3.4	N/A	
TVHC (excluding CH ₄), ppmv	<0.7	7.1	N/A	
Oil (condensed) & Particulate, mg/m ³	<0.02	N/A	0.1	
Odor (provided by customer)	None/Slight	N/A	None/Slight	
Other	N/A	N/A	N/A	
Other	N/A	N/A	N/A	
Other	N/A	N/A	N/A	
(2) Water content is reported although not required by CGA G-7.1	for breathing air not used in con	iunction with SCRA		

(2) Water content is reported although not required by CGA G-7.1 for breathing air not used in conjunction with SCBA.

- (I) This specification for oxygen compatible air is taken from ANSI/CGA G-7.1 Grade E as modified by International Association of Nitrox and Technical Divers (IANTD) in their document Blending Standards, 2003.
- (W) Dew point is expressed in °F at one atmosphere pressure absolute.
- (DT) Dew point is calculated at 1 atmosphere pressure (14.7 psia) from the detector tube reading.

PAS

From:

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

800-247-1024 • 512-263-0000 Fax 512-263-0002 E-mail service@AirCheckLab.com

To: Mr. Gerald Bayus, Jr. RecTEC Divers LLC 101 Leckrone Way Cortland, OH 44410

TRACE Analytics [

Report 16-13611, Sampled on

5/9/2016



Analysis Certificate

Next Sample Due Quarterly, Approximately

8/9/2016

RECTEC DIVERS LLC

IS IN COMPLIANCE WITH THE AIR/GAS QUALITY PORTION OF THE SPECIFICATION:

OXYGEN COMPAT. AIR-2003 (I) & CGA G-7.1-2011 GRADE E (2)

AS ANALYZED AND RÉPORTED ON THIS CERTIFICATE
FOR THE SAMPLE DESCRIBED UNDER SECTION "SAMPLE & REPORT INFORMATION"



American Assn for Laboratory Accreditation 1991: Certificate No. 322.01 Chemical Field of Testing RINA. 5-H

	Analytical Test Methods	Media Sam	pled	Estimate of Uncertainty
Oil & Particulate	CAT-A-01 Gas Chromatography/Mass Spectrometry CAT-A-03 Analytical Gravimetry CAT-A-04 Optical Microscopy	Source Bottle: Ambient Bottle: Source Filter:	433663	The average analytical uncertainty ($k=2$) is 98.8 \pm 2.4% (relative) at the specification limit for the ten compounds normally reported. For uncertainty information for a specific compound, contact Trace.

Results relate only to items tested. This report shall not be reproduced except in full without the written permission of Trace Analytics, LLC

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Sample & Repo	ort Information	Results of Test: PASS
Sampled For	RecTEC Divers LLC	Α
Sampled By	Gerald Bayus	Oxygen, Volume %
Sampled On	5/9/2016	Nitrogen, Volume %
Received On	5/13/2016	Argon, Volume %
Analyzed On	5/13/2016	Nitrogen Plus Argon, Volu
Sampled From	Compressor	Carbon Monoxide (CO), p
Make	Poseidon	Carbon Dioxide (CO ₂), pp
Model	PFU150	Water Content (H ₂ O), ppr
Serial No.	PFU-15097042405	Atmospheric Dew Point, of
		TVHC (including CH ₄), pp
		Methane (CH ₄) ppmv
		TVHC (excluding CH ₄), pp
		Oil (condensed) & Particu
Hours	2218	Odor (provided by custom
Sample Phase	Routine	Other
Customer		Other
Comments		Other
		(2) Water content is reported (I) This specification for oxyg
Report Number	16-13611	document Blending Standard
Customer ID	32507	(W) Dew point is expressed in
Date Reported	5/16/2016	(DT) Dew point is calculated
Frequency	Quarterly	
Next Sample Due Approx.	8/9/2016	

Nesalts of rest. 1 AGG				_
Analytes	Source Results	Ambient Results	Specification ¹ Allowable Limits	
Oxygen, Volume %	21.0	21.0	20-22	
Nitrogen, Volume %	78.1	78.2	N/A	
Argon, Volume %	0.9	0.8	N/A	
Nitrogen Plus Argon, Volume %	79.0	N/A	N/A	
Carbon Monoxide (CO), ppmv	<0.3	<0.3	2	
Carbon Dioxide (CO ₂), ppmv	381	371	1000	
Water Content (H ₂ O), ppmv/Dewpoint, °F	<3.4 / <-91	N/A	N/A / N/A (W)	(
Atmospheric Dew Point, °F (DT)	-56	N/A	N/A	
TVHC (including CH ₄), ppmv	2.2	2.0	25	
Methane (CH₄) ppmv	2.2	2.0	N/A	
TVHC (excluding CH ₄), ppmv	<0.7	<0.7	N/A	
Oil (condensed) & Particulate, mg/m ³	0.03	N/A	0.1	
Odor (provided by customer)	None/Slight	N/A	None/Slight	
Other	N/A	N/A	N/A	
Other	N/A	N/A	N/A	
Other	N/A	N/A	N/A	
(2) Water content is reported although not required by CGA G-7.1	for breathing air not used in con	iunction with SCRA		

- (2) Water content is reported although not required by CGA G-7.1 for breathing air not used in conjunction with SCBA.
- (I) This specification for oxygen compatible air is taken from ANSI/CGA G-7.1 Grade E as modified by International Association of Nitrox and Technical Divers (IANTD) in their document Blending Standards, 2003.
- (W) Dew point is expressed in °F at one atmosphere pressure absolute.
- (DT) Dew point is calculated at 1 atmosphere pressure (14.7 psia) from the detector tube reading.

PASS

From:

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

800-247-1024 • 512-263-0000 Fax 512-263-0002 E-mail service@AirCheckLab.com

Mr. Gerald Bayus, Jr. RecTEC Divers LLC 101 Leckrone Way Cortland, OH 44410

TRACE Analytics [

Report 15-28275, Sampled on

10/9/2015



Analysis Certificate

Next Sample Due Quarterly, Approximately

1/9/2016

RECTEC DIVERS LLC

IS IN COMPLIANCE WITH THE AIR/GAS QUALITY PORTION OF THE SPECIFICATION:

OXYGEN COMPAT. AIR-2003 (I) & CGA G-7.1-2011 GRADE E (2)

AS ANALYZED AND REPORTED ON THIS CERTIFICATE

FOR THE SAMPLE DESCRIBED UNDER SECTION "SAMPLE & REPORT INFORMATION"



American Assn for Laboratory Accreditation 1991: Certificate No. 322.01 Chemical Field of Testing

Analytical Test Methods		Media Sampled		Estimate of Uncertainty	
Oil & Particulate	CAT-A-01 Gas Chromatography/Mass Spectrometry CAT-A-03 Analytical Gravimetry CAT-A-04 Optical Microscopy	Source Bottle: Ambient Bottle: Source Filter:	N/A	The average analytical uncertainty (k=2) is 98.8±2.4% (relative) at the specification limit for the ten compounds normally reported. For uncertainty information for a specific compound, contact Trace.	

Results relate only to items tested. This report shall not be reproduced except in full without the written permission of Trace Analytics, LLC © Copyright 2015, Trace Analytics, LLC

Sample & Repo	ort Information	Results of Test: PASS
Sampled For	RecTEC Divers LLC	A
Sampled By	Illegible	Oxygen, Volume %
Sampled On	10/9/2015	Nitrogen, Volume %
Received On	10/16/2015	Argon, Volume %
Analyzed On	10/16/2015	Nitrogen Plus Argon, Volu
Sampled From	Compressor	Carbon Monoxide (CO), p
Make	Poseidon	Carbon Dioxide (CO ₂), pp
Model	PFU150	Water Content (H ₂ O), ppn
Serial No.	PFU-15097042405	Atmospheric Dew Point, °
		TVHC (including CH ₄), pp
		Methane (CH ₄) ppmv
		TVHC (excluding CH ₄), pp
		Oil (condensed) & Particu
Hours	2202	Odor (provided by custom
Sample Phase	Routine	Other
Customer		Other
Comments		Other
		(2) Water content is reported
Danad Musahan	15 00075	(I) This specification for oxyge
Report Number		document Blending Standard
Customer ID	32507	(W) Dew point is expressed in
Date Reported	10/19/2015	(DT) Dew point is calculated
Frequency	Quarterly	
Next Sample Due Approx.	1/9/2016	

Sampled For	RecTEC Divers LLC	Analytes	Source Results	Ambient Results	Specification ¹ Allowable Limits
Sampled By	Illegible	Oxygen, Volume %	20.8	N/A	20-22
Sampled On	10/9/2015	Nitrogen, Volume %	78.3	N/A	N/A
	10/16/2015	Argon, Volume %	0.9	N/A	N/A
Analyzed On	10/16/2015	Nitrogen Plus Argon, Volume %	79.2	N/A	N/A
Sampled From	Compressor	Carbon Monoxide (CO), ppmv	<0.3	N/A	2
	Poseidon	Carbon Dioxide (CO ₂), ppmv	284	N/A	1000
Model	PFU150	Water Content (H ₂ O), ppmv/Dewpoint, °F	<3.4 / <-91	N/A	N/A / N/A (W)
Serial No.	PFU-15097042405	Atmospheric Dew Point, °F (DT)	-67	N/A	N/A
		TVHC (including CH ₄), ppmv	2.1	N/A	25
		Methane (CH₄) ppmv	2.1	N/A	N/A
		TVHC (excluding CH ₄), ppmv	<0.7	N/A	N/A
		Oil (condensed) & Particulate, mg/m ³	<0.02	N/A	0.1
Hours	2202	Odor (provided by customer)	None/Slight	N/A	None/Slight
Sample Phase	Routine	Other	N/A	N/A	N/A
Customer	er Other		N/A	N/A	N/A
Comments		Other	N/A	N/A	N/A
		(8) 14 () () () () () () () () () (f 1 01 1 1 1 1 1	(' 'II OODA	

- (2) Water content is reported although not required by CGA G-7.1 for breathing air not used in conjunction with SCBA.
- (I) This specification for oxygen compatible air is taken from ANSI/CGA G-7.1 Grade E as modified by International Association of Nitrox and Technical Divers (IANTD) in their document Blending Standards, 2003.
- (W) Dew point is expressed in °F at one atmosphere pressure absolute.
- (DT) Dew point is calculated at 1 atmosphere pressure (14.7 psia) from the detector tube reading.

From:

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

800-247-1024 • 512-263-0000 Fax 512-263-0002 E-mail service@AirCheckLab.com

Mr. Gerald Bayus, Jr. RecTEC Divers LLC 101 Leckrone Way Cortland, OH 44410

TRACE Analytics

Report 15-13454, Sampled on

5/13/2015



Analysis Certificate

Next Sample Due Quarterly, Approximately

8/13/2015

RECTEC DIVERS LLC

IS IN COMPLIANCE WITH THE AIR/GAS QUALITY PORTION OF THE SPECIFICATION: OXYGEN COMPAT. AIR-2003 (I) & CGA G-7.1-2011 GRADE E (2)

AS ANALYZED AND REPORTED ON THIS CERTIFICATE

FOR THE SAMPLE DESCRIBED UNDER SECTION "SAMPLE & REPORT INFORMATION"



American Assn for Laboratory Accreditation 1991: Certificate No. 322.01 Chemical Field of Testing

Analytical Test Methods		Media Sampled		Estimate of Uncertainty	
Oil & Particulate	CAT-A-01 Gas Chromatography/Mass Spectrometry CAT-A-03 Analytical Gravimetry CAT-A-04 Optical Microscopy	Source Bottle: Ambient Bottle: Source Filter:	424522	The average analytical uncertainty (k=2) is 98.8±2.4% (relative) at the specification limit for the ten compounds normally reported. For uncertainty information for a specific compound, contact Trace.	

Results relate only to items tested. This report shall not be reproduced except in full without the written permission of Trace Analytics, LLC © Copyright 2015, Trace Analytics, LLC

Sample & Repo	ort Information	Results of Test: PASS
Sampled For	RecTEC Divers LLC	A
Sampled By	Gerald Bayus	Oxygen, Volume %
Sampled On	5/13/2015	Nitrogen, Volume %
Received On	5/18/2015	Argon, Volume %
Analyzed On	5/19/2015	Nitrogen Plus Argon, Volu
Sampled From	Compressor	Carbon Monoxide (CO), p
Make	Poseidon	Carbon Dioxide (CO ₂), pp
Model	PFU150	Water Content (H ₂ O), ppr
Serial No.	PFU-15097042405	Atmospheric Dew Point,
		TVHC (including CH ₄), pp
		Methane (CH ₄) ppmv
		TVHC (excluding CH ₄), pp
		Oil (condensed) & Particu
Hours	2195	Odor (provided by custon
Sample Phase	Routine	Other
Customer		Other
Comments		Other
		(2) Water content is reported
		(I) This specification for oxyg
Report Number	15-13454	document Blending Standard
Customer ID	32507	(W) Dew point is expressed i
Date Reported	5/20/2015	(DT) Dew point is calculated
Frequency	Quarterly	
Next Sample Due Approx.	8/13/2015	

ie a Nepc	nt iniornation	Nesults of Test. FASS					
led For	RecTEC Divers LLC	<i>Analytes</i>	Source Results	Ambient Results	Specification ¹ Allowable Limits	П	
led By	Gerald Bayus	Oxygen, Volume %	20.9	21.0	20-22		
led On	5/13/2015	Nitrogen, Volume %	78.2	78.1	N/A		
ved On	5/18/2015	Argon, Volume %	0.9	0.9	N/A		
zed On	5/19/2015	Nitrogen Plus Argon, Volume %	79.1	N/A	N/A		
led From	Compressor	Carbon Monoxide (CO), ppmv	<0.3	<0.3	2		
	Poseidon	Carbon Dioxide (CO ₂), ppmv	416	432	1000		
1	PFU150	Water Content (H ₂ O), ppmv/Dewpoint, °F	<3.4 / <-91	N/A	N/A / N/A (W)		
No.	PFU-15097042405	Atmospheric Dew Point, °F (DT)	-56	N/A	N/A		
		TVHC (including CH ₄), ppmv	3.4	7.9	25	ľ	
		Methane (CH₄) ppmv	2.6	2.1	N/A		
		TVHC (excluding CH ₄), ppmv	0.8	5.8	N/A		
		Oil (condensed) & Particulate, mg/m ³	<0.02	N/A	0.1		
	2195	Odor (provided by customer)	None/Slight	N/A	None/Slight		
le Phase	Routine	Other	N/A	N/A	N/A		
mer		Other	N/A	N/A	N/A		
nents		Other	N/A	N/A	N/A		
		(2) Water content is reported although not required by CCA C.7.1 for breathing air not used in conjunction with SCRA					

- (2) Water content is reported although not required by CGA G-7.1 for breathing air not used in conjunction with SCBA.
- (I) This specification for oxygen compatible air is taken from ANSI/CGA G-7.1 Grade E as modified by International Association of Nitrox and Technical Divers (IANTD) in their document Blending Standards, 2003.
- (W) Dew point is expressed in °F at one atmosphere pressure absolute.
- (DT) Dew point is calculated at 1 atmosphere pressure (14.7 psia) from the detector tube reading.

From:

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

800-247-1024 • 512-263-0000 Fax 512-263-0002 E-mail service@AirCheckLab.com

To: Mr. Gerald Bayus, Jr. RecTEC Divers LLC 101 Leckrone Way Cortland, OH 44410

TRACE Analytics ...

Report 14-26241, Sampled on

9/30/2014



Analysis Certificate

Next Sample Due Quarterly, Approximately

12/30/2014

RECTEC DIVERS LLC

IS IN COMPLIANCE WITH THE AIR/GAS QUALITY PORTION OF THE SPECIFICATION:

OXYGEN COMPAT. AIR-2003 (I) & CGA G-7.1-2011 GRADE E (2)

AS ANALYZED AND REPORTED ON THIS CERTIFICATE

FOR THE SAMPLE DESCRIBED UNDER SECTION "SAMPLE & REPORT INFORMATION"



Results of Test. PASS

American Assn for Laboratory Accreditation 1991: Certificate No. 322.01 Chemical Field of Testing RMA. 5-14

Analytical Test Methods	Media Sampled		Estimate of Uncertainty	
Gases & Vapors CAT-A-01 Gas Chromatography/Mass Spectrometry Oil & Particulate CAT-A-03 Analytical Gravimetry Particle Size CAT-A-04 Optical Microscopy		29338	The average analytical uncertainty (k=2) is 98.8±2.4% (relative) at the specification limit for the ten compounds normally reported. For uncertainty information for a specific compound, contact Trace.	

Results relate only to items tested. This report shall not be reproduced except in full without the written permission of Trace Analytics, LLC

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Sample & Repo	ort Information
Sampled For	RecTEC Divers LLC
Sampled By	Gerald Bayus Jr.
Sampled On	9/30/2014
Received On	10/3/2014
Analyzed On	10/3/2014
Sampled From	Compressor
Make	Poseidon
Model	PFU150
Serial No.	PFU-15097042405
Hours	2195
Sample Phase	Routine
Customer	
Comments	
Report Number	14.26241
Customer ID	32507
Date Reported	10/6/2014
Frequency	Quarterly
Next Sample Due Approx.	12/30/2014

Results Of Test. FASS				
<i>Analytes</i>	Source Results	Ambient Results	Specification ¹ Allowable Limits	
Oxygen, Volume %	20.9	21.0	20-22	
Nitrogen, Volume %	78.2	78.2	N/A	
Argon, Volume %	0.9	0.8	N/A	
Nitrogen Plus Argon, Volume %	79.1	N/A	N/A	
Carbon Monoxide (CO), ppmv	<0.3	<0.3	2	
Carbon Dioxide (CO ₂), ppmv	360	383	1000	
Water Content (H ₂ O), ppmv/Dewpoint, °F	23.5 / -66	N/A	N/A / N/A (W)	(
Atmospheric Dew Point, °F (DT)	-87	N/A	N/A	
TVHC (including CH₄), ppmv	2.5	2.5	25	h
Methane (CH₄) ppmv	2.5	2.5	N/A	
TVHC (excluding CH₄), ppmv	<0.7	<0.7	N/A	
Oil (condensed) & Particulate, mg/m ³	0.04	N/A	0.1	
Odor (provided by customer)	None/Slight	N/A	None/Slight	
Other	N/A	N/A	N/A	
Other	N/A	N/A	N/A	
Other	N/A	N/A	N/A	

- (2) Water content is reported although not required by CGA G-7.1 for breathing air not used in conjunction with SCBA.
- (I) This specification for oxygen compatible air is taken from ANSI/CGA G-7.1 Grade E as modified by International Association of Nitrox and Technical Divers (IANTD) in their document Blending Standards, 2003.
- (W) Dew point is expressed in °F at one atmosphere pressure absolute.

PASS

From:

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

800-247-1024 • 512-263-0000 Fax 512-263-0002 E-mail service@AirCheckLab.com

To: Mr. Gerald Bayus, Jr. RecTEC Divers LLC 101 Leckrone Way Cortland, OH 44410

TRACEAnalytics

Report 14-13082, Sampled on

5/16/2014



Analysis Certificate

Next Sample Due Quarterly, Approximately

8/16/2014

RECTEC DIVERS LLC

IS IN COMPLIANCE WITH THE AIR/GAS QUALITY PORTION OF THE SPECIFICATION:

OXYGEN COMPAT. AIR-2003 (I) & CGA G-7.1-2011 GRADE E (2) AS ANALYZED AND REPORTED ON THIS CERTIFICATE

FOR THE SAMPLE DESCRIBED UNDER SECTION "SAMPLE & REPORT INFORMATION"



American Assn for Laboratory Accreditation 1991: Certificate No. 322.01 Chemical Field of Testing RINA. S-H

Analytical Test Methods		Media Sampled		Estimate of Uncertainty	
Oil & Particulate	CAT-A-01 Gas Chromatography/Mass Spectrometry CAT-A-03 Analytical Gravimetry CAT-A-04 Optical Microscopy	Source Bottle: Ambient Bottle: Source Filter:	430098	The average analytical uncertainty (k=2) is 98.8±2.4% (relative) at the specification limit for the ten compounds normally reported. For uncertainty information for a specific compound, contact Trace.	

Results relate only to items tested. This report shall not be reproduced except in full without the written permission of Trace Analytics, LLC

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Sample & Repo	ort Information	
Sampled For	RecTEC Divers LLC	
Sampled By	Gerald Bayus Jr.	
Sampled On	5/16/2014	
Received On	5/19/2014	
Analyzed On	5/19/2014	
Sampled From	Compressor	
Make	Poseidon	
Model	PFU150	
Serial No.	PFU-15097042405	
Hours	2173	
Sample Phase	Routine	
Customer		
Comments		
Report Number	14-13082	
Customer ID	32507	
Date Reported	5/20/2014	
Frequency	Quarterly	
Next Sample Due Approx	8/16/2014	

Results of Test: PASS				
<i>Analytes</i>	Source Results	Ambient Results	Specification ¹ Allowable Limits	
Oxygen, Volume %	21.0	20.9	20-22	
Nitrogen, Volume %	78.1	78.2	N/A	
Argon, Volume %	0.9	0.9	N/A	
Nitrogen Plus Argon, Volume %	79.0	N/A	N/A	
Carbon Monoxide (CO), ppmv	<0.3	<0.3	2	
Carbon Dioxide (CO ₂), ppmv	475	524	1000	
Water Content (H ₂ O), ppmv/Dewpoint, °F	15.3 / -72	N/A	N/A / N/A (W)	- (
Atmospheric Dew Point, °F (DT)	-58	N/A	N/A	
TVHC (including CH₄), ppmv	2.3	2.0	25	'
Methane (CH₄) ppmv	2.3	2.0	N/A	
TVHC (excluding CH ₄), ppmv	<0.7	<0.7	N/A	
Oil (condensed) & Particulate, mg/m ³	0.02	N/A	0.1	
Odor (provided by customer)	None/Slight	N/A	None/Slight	
Other	N/A	N/A	N/A	
Other	N/A	N/A	N/A	
Other	N/A	N/A	N/A	

- (2) Water content is reported although not required by CGA G-7.1 for breathing air not used in conjunction with SCBA.
- (I) This specification for oxygen compatible air is taken from ANSI/CGA G-7.1 Grade E as modified by International Association of Nitrox and Technical Divers (IANTD) in their document Blending Standards, 2003.
- (W) Dew point is expressed in °F at one atmosphere pressure absolute.

PASS

From:

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

800-247-1024 • 512-263-0000 Fax 512-263-0002 E-mail service@AirCheckLab.com

Mr. Gerald Bayus, Jr. RecTEC Divers LLC 101 Leckrone Way Cortland, OH 44410

TRACE Analytics

Report 13-32384, Sampled on

12/17/2013



Analysis Certificate

Next Sample Due Quarterly, Approximately

3/17/2014

RECTEC DIVERS LLC

IS IN COMPLIANCE WITH THE AIR/GAS QUALITY PORTION OF THE SPECIFICATION:

OXYGEN COMPAT. AIR-2003 (I) & CGA G-7.1-2011 GRADE E (2) AS ANALYZED AND REPORTED ON THIS CERTIFICATE

FOR THE SAMPLE DESCRIBED UNDER SECTION "SAMPLE & REPORT INFORMATION"



American Assn for Laboratory Accreditation 1991: Certificate No. 322.01 Chemical Field of Testing

Analytical Test Methods		Media Sampled		Estimate of Uncertainty	
Oil & Particulate	CAT-A-01 Gas Chromatography/Mass Spectrometry CAT-A-03 Analytical Gravimetry CAT-A-04 Optical Microscopy	Source Bottle: Ambient Bottle: Source Filter:	N/A	The average analytical uncertainty (k=2) is 98.8±2.4% (relative) at the specification limit for the ten compounds normally reported. For uncertainty information for a specific compound, contact Trace.	

Results relate only to items tested. This report shall not be reproduced except in full without the written permission of Trace Analytics, LLC © Copyright 2013, Trace Analytics, LLC

Sample & Repo	ort Information	Results of Test: PASS	
Sampled For	RecTEC Divers LLC	A	
Sampled By	Gerald Bayus Jr.	Oxygen, Volume %	
Sampled On	12/17/2013	Nitrogen, Volume %	
Received On	12/23/2013	Argon, Volume %	
Analyzed On	12/23/2013	Nitrogen Plus Argon, Volu	
Sampled From	Compressor	Carbon Monoxide (CO), p	
Make	Poseidon	Carbon Dioxide (CO ₂), pp	
Model	PFU150	Water Content (H ₂ O), ppn	
Serial No.	PFU-15097042405	Atmospheric Dew Point, o	
		TVHC (including CH ₄), pp	
		Methane (CH ₄) ppmv	
		TVHC (excluding CH ₄), pp	
		Oil (condensed) & Particu	
Hours	2167	Odor (provided by custom	
Sample Phase	After Filter Change	Other	
Customer	All Filters, Air Filters, Seperation Filters were	Other	
Comments	changed at 2166 HRS.	Other	
		(2) Water content is reported	
Dana ant Niverala an	10.00004	(I) This specification for oxyge	
Report Number		document Blending Standard	
Customer ID	32507	(W) Dew point is expresse	
Date Reported	12/26/2013		
Frequency	Quarterly	(DT) Dew point is calculated (IAV) To ensure accuracy, th instructions or contact Custo	
Next Sample Due Approx.	3/17/2014		

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Sampled For	RecTEC Divers LLC	<i>Analytes</i>	Source Results	Ambient Results	Specification ¹ Allowable Limits	
Sampled By	Gerald Bayus Jr.	Oxygen, Volume %	20.9	N/A	20-22	
Sampled On	12/17/2013	Nitrogen, Volume %	78.3	N/A	N/A	
Received On	12/23/2013	Argon, Volume %	0.8	N/A	N/A	
Analyzed On	12/23/2013	Nitrogen Plus Argon, Volume %	n Plus Argon, Volume % 79.1		N/A	
Sampled From	Compressor	Carbon Monoxide (CO), ppmv	<0.3	N/A	2	
Make	Poseidon	Carbon Dioxide (CO ₂), ppmv	14	N/A	1000	
Model	PFU150	Water Content (H ₂ O), ppmv/Dewpoint, °F	<3.4 / <-91	N/A	N/A / N/A (W)	
Serial No.	PFU-15097042405	Atmospheric Dew Point, °F (DT)	-81	N/A	N/A	
		TVHC (including CH ₄), ppmv	5.1	N/A	25	
		Methane (CH₄) ppmv	2.7	N/A	N/A	
		TVHC (excluding CH ₄), ppmv	2.4	N/A	N/A	
		Oil (condensed) & Particulate, mg/m ³	<0.04 (IAV)	N/A	0.1	
Hours	2167	Odor (provided by customer)	None/Slight	N/A	None/Slight	
Sample Phase	After Filter Change	Other	N/A	N/A	N/A	
Customer	All Filters, Air Filters, Seperation Filters were	Other	N/A	N/A	N/A	
Comments	changed at 2166 HRS.	Other	N/A	N/A	N/A	
		(2) Motor content is reported although not required by CCA C 7.1 few breathing air not used in conjugation with CCDA				

- (2) Water content is reported although not required by CGA G-7.1 for breathing air not used in conjunction with SCBA.
- (I) This specification for oxygen compatible air is taken from ANSI/CGA G-7.1 Grade E as modified by International Association of Nitrox and Technical Divers (IANTD) in their document Blending Standards, 2003.
- (W) Dew point is expressed in °F at one atmosphere pressure absolute.
- (DT) Dew point is calculated from the detector tube reading.
- (IAV) To ensure accuracy, the air volume should be sufficient to provide a limit of quantitation of <1/4 of the specification limit; in this case 1000 L. Please refer to sampling instructions or contact Customer Service.

From:

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

800-247-1024 • 512-263-0000 Fax 512-263-0002 E-mail service@AirCheckLab.com

Mr. Gerald Bayus, Jr. RecTEC Divers LLC 101 Leckrone Way Cortland, OH 44410

TRACE Analytics [

Report 13-32385, Sampled on

12/8/2013



Analysis Certificate

Next Sample Due Quarterly, Approximately

3/8/2014

RECTEC DIVERS LLC

IS IN COMPLIANCE WITH THE AIR/GAS QUALITY PORTION OF THE SPECIFICATION:

OXYGEN COMPAT. AIR-2003 (I) & CGA G-7.1-2011 GRADE E (2)

AS ANALYZED AND REPORTED ON THIS CERTIFICATE

FOR THE SAMPLE DESCRIBED UNDER SECTION "SAMPLE & REPORT INFORMATION"



Results of Test: PASS

American Assn for Laboratory Accreditation 1991: Certificate No. 322.01 Chemical Field of Testing

Analytical Test Methods		Media Sampled		Estimate of Uncertainty	
Oil & Particulate CAT		Source Bottle: Ambient Bottle: Source Filter:	428239	The average analytical uncertainty (k=2) is 98.8±2.4% (relative) at the specification limit for the ten compounds normally reported. For uncertainty information for a specific compound, contact Trace.	

Results relate only to items tested. This report shall not be reproduced except in full without the written permission of Trace Analytics, LLC © Copyright 2013, Trace Analytics, LLC

Sample & Repo	ort Information	
Sampled For	RecTEC Divers LLC	
Sampled By	Gerald Bayus Jr.	
Sampled On	12/8/2013	
Received On	12/23/2013	
Analyzed On	12/23/2013	
Sampled From	Compressor	
Make	Poseidon	
Model	PFU150	
Serial No.	PFU-15097042405	
Hours	2166	
Sample Phase	After Filter Change	
Customer		
Comments		
Danart Number	10 00005	
Report Number		
Customer ID	32507	
Date Reported	12/26/2013	
Frequency	Quarterly	
Next Sample Due Approx.	3/8/2014	

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Sampled For	RecTEC Divers LLC	Analytes Source Results Ambient Results S		Specification ¹ Allowable Limits	
Sampled By	Gerald Bayus Jr.	Oxygen, Volume %	20.7	20.9	20-22
Sampled On	12/8/2013	Nitrogen, Volume %	78.4	78.2	N/A
Received On	12/23/2013	Argon, Volume %	0.9	0.9	N/A
Analyzed On	12/23/2013	Nitrogen Plus Argon, Volume %	79.3	N/A	N/A
Sampled From	Compressor	Carbon Monoxide (CO), ppmv	<0.3	<0.3	2
Make	Poseidon	Carbon Dioxide (CO ₂), ppmv	<4	1117	1000
Model	PFU150	Water Content (H ₂ O), ppmv/Dewpoint, °F	<3.4 / <-91	N/A	N/A / N/A (W)
Serial No.	PFU-15097042405	Atmospheric Dew Point, °F (DT)	-67	N/A	N/A
		TVHC (including CH ₄), ppmv	4.7	11.8	25
		Methane (CH₄) ppmv	2.7	3.6	N/A
		TVHC (excluding CH ₄), ppmv	2.0	8.2	N/A
		Oil (condensed) & Particulate, mg/m ³	<0.05 (IAV)	N/A	0.1
Hours	2166	Odor (provided by customer)	None/Slight	N/A	None/Slight
Sample Phase	After Filter Change	Other	N/A	N/A	N/A
Customer		Other	N/A	N/A	N/A
Comments		Other	N/A	N/A	N/A
	(2) Water content is reported although not required by CCA C 7.1 for breathing air not used in conjunction with CCDA				

- (2) Water content is reported although not required by CGA G-7.1 for breathing air not used in conjunction with SCBA.
- (I) This specification for oxygen compatible air is taken from ANSI/CGA G-7.1 Grade E as modified by International Association of Nitrox and Technical Divers (IANTD) in their document Blending Standards, 2003.
- (W) Dew point is expressed in °F at one atmosphere pressure absolute.
- (DT) Dew point is calculated from the detector tube reading.
- (IAV) To ensure accuracy, the air volume should be sufficient to provide a limit of quantitation of <1/4 of the specification limit; in this case 1000 L. Please refer to sampling instructions or contact Customer Service.