

Emily Lloyd Commissioner

John G. Petito, P.E. Acting Deputy Commissioner

Bureau of Wastewater Treatment 96-05 Horace Harding Expressway – 2nd Floor

Tel. (718) 595-5046 Fax (718) 595-6950

Corona, NY 11368

Tom Gentile Bureau of Air Quality Analysis and Research Division of Air Resources NYSDEC 625 Broadway Albany, NY 12233

Margaret Valis Bureau of Stationary Sources Division of Air Resources NYSDEC 625 Broadway Albany, NY 12233

> Re: North River Wastewater Treatment Plant Order on Consent DEC Case Nos.: R2-20010713-146 and R2-3669-91-05 Formaldehyde Monitoring Report for the First Quarter of 2016

Dear Mr. Gentile and Ms. Valis:

The New York City Department of Environmental Protection ("DEP") is submitting to the New York State Department of Environmental Conservation's ("DEC") the North River Wastewater Treatment Plant ("WWTP") Quarterly Formaldehyde Monitoring Report for the First Quarter of 2016 (the "Report"). The Report is submitted pursuant to Section III.C of the above referenced North River WWTP Order on Consent (the "Order"), dated July 31, 2012.

This Report includes the laboratory certification and results of the formaldehyde monitoring performed from January through March of 2016 in accordance with the DEP Formaldehyde Monitoring Plan, approved by DEC on May 26, 2015. The data contained in this Report was previously sent to DEC on April 20, 2016.

DEP acknowledges that this report was due by April 30, 2016. However, DEP needed additional time to collect and verify information.

If you have any questions or require any additional information, please feel free to contact Leslie Lipton, Chief of Division of Pollution Control and Monitoring at (718) 595-4730.

ohn G. Petito, P.E. Acting Deputy Commissioner

Attachment

Cc: Steven Zahn, Acting Regional Director, NYSDEC Region II Samuel Lieblich, Air Pollution Control Engineer, NYSDEC Region II Thomas John, Environmental Engineer, NYSDEC Region II Robert Bolt, Environmental Engineer, NYSDEC Region II Paresh Shah, Environmental Engineer, NYSDEC Region II Karen Mintzer, Regional Attorney, NYSDEC Region II

Elissa Stein Cushman, Robin Levine, Marcella Eckels, Christy Bitet (BLA) Vincent Sapienza (BEDC) Diane Hammerman, Arthur Spangel, Leslie Lipton, Wayne Kuang, Ming Shen, Jiye Zhang (BWT) Keith Cataldo, Courtney Anderson (BWT NR WWTP)

Gail Saunders, Senior Counsel, NYC Law Department

North River Wastewater Treatment Plant

Quarterly Formaldehyde Monitoring Report for First Quarter of 2016

Submitted by:

New York City Department of Environmental Protection

96-05 Horace Harding Expressway, 2nd floor Corona, New York 11368

Prepared by:

The Louis Berger Group, Inc. 48 Wall Street 16th Floor



On Behalf of:

New York, NY 10005

New York City Department of Environmental Protection

Apr 18, 2016

1st Quarter 2016 Project No. 3000524.00

Contents

SECTION 1	INTRODUCTION	3
SECTION 2	LOCATION	3
SECTION 3	TEST METHODS	3
SECTION 4	RESULTS	3
4.1 MET	Tower Data	3
4.2 Electr	onic Data	3
LIST OF APP	ENDICES	4

SECTION 1 INTRODUCTION

Pursuant to Section III.A.(ii) of the 2012 Administrative Order on Consent (Order), R2 20010713 146, between the New York City Department of Environmental Protection (DEP) and the New York State Department of Environmental Conservation (DEC), DEP conducted a dispersion modeling analysis for the North River Wastewater Treatment Plant (WWTP) to evaluate potential offsite impacts of emissions from the WWTP. Based upon the results of that analysis and pursuant to the Order, DEP submitted a Standard Operating Procedure (SOP) to the DEC for review and approval. The SOP was approved by DEC in May 2015.

This Standard Operation Procedure (SOP) document presents SOPs for conducting one year of formaldehyde monitoring every six (6) days at the existing North River H_2S Air Quality Monitoring Network's Station 5 within the Riverbank State Park on the roof of the WWTP.

This quarterly monitoring report presents laboratory results with respect to formaldehyde monitoring from January 1, 2016 through March 31, 2016.

SECTION 2 LOCATION

The formaldehyde monitoring location is at the existing DEC approved North River WWTP H_2S Air Quality Monitoring Network's Station 5. Ambient air samples are collected for formaldehyde monitoring once every 6 days, for two consecutive 12-hour periods at this location. The samples were analyzed by Eurofins Air Toxics, Inc. laboratory located in Folsom, CA and their accreditation is presented in Appendix D.

SECTION 3 TEST METHODS

EPA Method TO-11A is a method for the determination of formaldehyde in ambient air utilizing a coated-solid adsorbent followed by high performance liquid chromatographic detection. Method TO-11A has the sensitivity needed to reach health-based detection limits (10^{-6} risk level).

SECTION 4 RESULTS

The Formaldehyde concentrations averaged 10.0 μ g/m³ for the first 12 hours (0600-1800) and 7.8 μ g/m³ for the second 12 hours (1815-0615) for the quarter. The laboratory results and Chain-of-Custody are compiled in Appendix A.

4.1 MET Tower Data

Meteorological Tower Data is presented in Appendix B for each sampling event.

4.2 Electronic Data

Information about the flow rates and sample volumes are included in Appendix C.

LIST OF APPENDICES

Appendix A: Laboratory Results and Chain-of-Custody

Appendix B: Met Tower Data Appendix C: Flow Rate and Volume

Appendix D: Laboratory Accreditation

APPENDIX A

Laboratory Results and Chain-of-Custody



1/27/2016 Mr. Rhine Almonacy The Louis Berger Group, Inc. 412 Mount Kemble Avenue 5th Floor Morristown NJ 07960

Project Name: North River WWTP Project #: 2001285 Workorder #: 1601084A

Dear Mr. Rhine Almonacy

The following report includes the data for the above referenced project for sample(s) received on 1/9/2016 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-11A are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics Inc. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free the Project Manager: Ausha Scott at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Scott

Ausha Scott Project Manager

A Eurofins Lancaster Laboratories Company

180 Blue Ravine Road, Suite B Folsom, CA 95630



WORK ORDER #: 1601084A

Work Order Summary

CLIENT:	Mr. Rhine Almonacy	BILL TO:	Accounts Payable
	The Louis Berger Group, Inc.		The Louis Berger Group, Inc.
	412 Mount Kemble Avenue		412 Mount Kemble Avenue
	5th Floor		5th Floor
	Morristown, NJ 07960		Morristown, NJ 07960
PHONE:	973-407-1000	P.O. #	2001285.06.02
FAX:		PROJECT #	2001285 North River WWTP
DATE RECEIVED:	01/09/2016	CONTACT	Ausha Scott
DATE COMPLETED:	01/22/2016	connen	Ausia Scou

FRACTION #	NAME	<u>TEST</u>
01A	Formaldehyde 001-010716	Modified TO-11A
02A	Formaldehyde 002-010716	Modified TO-11A
03A	Formaldehyde 003-010716	Modified TO-11A
04A	Lab Blank	Modified TO-11A
05A	LCS	Modified TO-11A
05AA	LCSD	Modified TO-11A

CERTIFIED BY:

lau

DATE: <u>01/22/16</u>

Technical Director

Certification numbers: AZ Licensure AZ0775, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704343-14-7, UT NELAP CA009332014-5, VA NELAP - 460197, WA NELAP - C935 Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program) Accreditation number: CA300005, Effective date: 10/18/2014, Expiration date: 10/17/2015. Eurofins Air Toxics Inc.. certifies that the test results contained in this report meet all requirements of the NELAC standards

> This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, Inc. 180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 9563 (916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE Modified TO-11A The Louis Berger Group, Inc. Workorder# 1601084A

Three TO-11 Cartridge samples were received on January 09, 2016. The laboratory performed analysis via modified Method TO-11A using reverse phase High Pressure Liquid Chromatography (HPLC) with an Ultraviolet (UV) Detector. The method involves eluting the sorbent tubes with acetonitrile using a gravity feed technique. Method modifications taken to run these samples include:

Requirement	TO-11A	ATL Modifications
ACN Purity Check	Contribution of analytes from ACN determined as described Sections 9.1.1 and 9.1.2 of Compendium TO-11A.	Total contribution of analytes from ACN and cartridge combined is determined.
Initial Calibration Curve (ICAL)	Multi-point using linear regression performed every 6 months; $r^2 > 0.999$	Multi-point using average Response Factor; % RSD = 10 %. Re-calibration if daily cal. fails, major maintenance, or column change. Linear regression is performed when requested.</td
Blank Subtraction	Average blank concentrations calculated. Blank value subtracted from sample result.	One Lab Blank is analyzed per batch; no blank subtraction performed on samples.

Receiving Notes

🛟 eurofins

There were no receiving discrepancies.

Analytical Notes

Sampling volume was supplied by the client. A sample volume of 713 L was used to report sample Formaldehyde 003-010716 and the Laboratory Blank.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:

- B Compound present in laboratory blank greater than reporting limit.
- J Estimated value.
- E Exceeds instrument calibration range.
- S Saturated peak.
- Q Exceeds quality control limits.
- U Compound analyzed for but not detected above the detection limit.
- M Reported value may be biased due to apparent matrix interferences.

File extensions may have been used on the data analysis sheets and indicates as follows:

- a-File was requantified
- b-File was quantified by a second column and detector
- r1-File was requantified for the purpose of reissue

Page 3 of 10



Summary of Detected Compounds AMBIENT AIR: EPA METHOD TO-11A HPLC

Client Sample ID: Formaldehyde 001-010716

Lab ID#: 1601084A-01A

Compound	Rpt. Limit	Rpt. Limit	Amount	Amount
	(ug)	(ug/m3)	(ug)	(ug/m3)
Formaldehyde	0.050	0.070	4.8	6.8

Client Sample ID: Formaldehyde 002-010716

Lab ID#: 1601084A-02A

Commonwed	Rpt. Limit	Rpt. Limit	Amount	Amount
Compound	(ug)	(ug/m3)	(ug)	(ug/m3)
Formaldehyde	0.050	0.070	4.0	5.6

Client Sample ID: Formaldehyde 003-010716

Lab ID#: 1601084A-03A

No Detections Were Found.



Client Sample ID: Formaldehyde 001-010716 Lab ID#: 1601084A-01A AMBIENT AIR: EPA METHOD TO-11A HPLC

٦

File Name:	f0114008	Date	e of Collection: 1/7/	/16 6:00:00 AM
Dil. Factor:	1.00	Date Date	e of Analysis: 1/14/ e of Extraction: 1/1	16 01:25 PM 4/16
Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.070	4.8	6.8



Client Sample ID: Formaldehyde 002-010716 Lab ID#: 1601084A-02A AMBIENT AIR: EPA METHOD TO-11A HPLC

٦

File Name:	f0114009	Date	of Collection: 1/7	/16 6:15:00 PM
Dil. Factor:	1.00	Date	of Analysis: 1/14/	16 01:51 PM
		Date	of Extraction: 1/1	4/16
	Rpt. Limit	Rpt. Limit	Amount	Amount
Compound	(ug)	(ug/m3)	(ug)	(ug/m3)
Formaldehyde	0.050	0.070	4.0	5.6



Client Sample ID: Formaldehyde 003-010716 Lab ID#: 1601084A-03A AMBIENT AIR: EPA METHOD TO-11A HPLC

٦

File Name:	f0114006	Dat	te of Collection: 1/7/	/16
Dil. Factor:	1.00	Dat	e of Analysis: 1/14/	16 12:33 PM
		Dat	te of Extraction: 1/14	4/16
	Rpt. Limit	Rpt. Limit	Amount	Amount
Compound	(ug)	(ug/m3)	(ug)	(ug/m3)
Formaldehyde	0.050	0.070	Not Detected	Not Detected



Client Sample ID: Lab Blank Lab ID#: 1601084A-04A AMBIENT AIR: EPA METHOD TO-11A HPLC File Name: f0114005 **Date of Collection: NA** Dil. Factor: Date of Analysis: 1/14/16 12:07 PM 1.00 Date of Extraction: 1/14/16 **Rpt.** Limit Rpt. Limit Amount Amount Compound (ug/m3) (ug) (ug/m3) (ug) Not Detected Formaldehyde 0.050 0.070 Not Detected

Air Sample Volume(L): 713 Container Type: NA - Not Applicable



I

Air Toxics

Client Sample ID: LCS Lab ID#: 1601084A-05A AMBIENT AIR: EPA METHOD TO-11A HPLC

File Name: Dil. Factor:	f0114003 1.00	Date of Collec Date of Analys Date of Extrac	tion: NA sis: 1/14/16 11:15 AM tion: 1/14/16
Compound		%Recovery	Method Limits
Formaldehyde		96	85-115

Air Sample Volume(L): 1.00 Container Type: NA - Not Applicable



I

Air Toxics

Client Sample ID: LCSD Lab ID#: 1601084A-05AA AMBIENT AIR: EPA METHOD TO-11A HPLC

File Name: Dil. Factor:	f0114004 1.00	Date of Collec Date of Analys Date of Extrac	tion: NA sis: 1/14/16 11:41 AM tion: 1/14/16
Compound		%Recovery	Method Limits
Formaldehyde		102	85-115

Air Sample Volume(L): 1.00 Container Type: NA - Not Applicable

		N I ROST STATUS CARA LANCENSIA INC. STATUS CARA LANCES CAR	A SAN THE REPORT OF A SAN THE R	A Destruction of the end of the second in the second second	n and a subman and a	Transferrance and the second on the second	Manuel 6001 Accure Lance Caramer To Concurrence International	i Birkey - menne kati kan mananda manangan katangan menunangan katangan pengenangan katangan pengenangan katan	ana a sana ana ana ana ana ana ana ana a	
1601084	(None)	Yes No	9	Goe		A.Dec			29M	Onv -
Work Order #	s Intact?	Custody Seals	·] (Conditior		Temp (°C)		Air Bill #	Shipper Name	Lab
		otes:	Z							
	late:	verage Flow R	A		Date/Time	(signature)	Received by:	Date/Time	hed by: (signature)	Relinauis
	Rate:	ost-test Flow	Po		Date/Time	(signature)	Received by:	[^] Dafe/Time	hed by: (signature)	Relinquis
	late:	re-test Flow R	MAD PI	0	9761	416	121 1000	1/08/16 1400	04 01	
tion	tion Informa	ump Calibra		3	Date/Time	(signature)	Received by:	Date/Time	hed by: (signature)	Relinquis
									4	
			, ,							
		ŀ,		ľ		1 00			-	
		NA	NA	ANKA	- all	41/10/10		003-0107/6	Formaldolized	A60
		7/2.8	720	0615	1815	01/02/10		002-010716	Farmaldeligde	Agy
+ Formeldelivele	70-110	7/3.2	720	0#81	0600	01/07/16		001-010716	Farmallohyde	\$10
nalysis Requested		Final Volume	Duration	End	Start Time	Date of Collection	Tube # / Cartridge #	ple I.D. (Location)	Field Samp	Lab I.D.
	specify	MITP_	the love to	ame <i>AU ca</i>	Project Na			95/ Fax C	212-612-7	Phone
Ma/ma ma/ma	🛛 Rush		285	2001	Project #_	<u>, 10007</u>	State <u>M</u> Zi	M City Was Jonk	48 Wall St K	Address_
vudd Aqdd	WNormal				P.O. #	hours -	man of a comment	R GER Email	LOUIS BE	Company
Units:	Turn Arounc			NO:	Project II		e S	Khing Almonas	by: (Print and Sign)	Collected
	And	the second s	NI HOUMAND DEN KIERDEN AN HUMAN AV GEREN REV REV.	ALCONTRACTOR AND ALCONTRACTOR				Almona CY	man Rhun	Drainat MA
RAVINE ROAD, SUITE B NLSOM, CA 95630 1000 FAX (916) 985-1020 Page / of /	180 BLUE FC (916) 985-	d in compliance egulations and the collection, the collection, rement to hold rr action, of any 1) 467-4922.	s being shippec ational laws, rr with respect to o indicates agr aim, demand, o J.T. Hotline (800	at sample is and interna no liability v signature als alinst any cla asamples. D.0	nt indicates th ral, national, ted assumes helinquishing to los Limited ag	ation Notice on this documer al, State, Feder Air Toxics Limit Air Toxics Limit Air Toxics Charles. F hese samples. F hese samples. F demnify Air Toxi demnify Air Toxi	pie Transport uishing signature (all applicable loca nees of any kind. ng or shipping of the ss, defend, and in elated to the collec	Sam Reling with a ordina ordina harmle kind, r	Air Toxic	CHAIN
								OLLECTION	ENT SAMPLE C	SORB



1/27/2016 Mr. Rhine Almonacy The Louis Berger Group, Inc. 412 Mount Kemble Avenue 5th Floor Morristown NJ 07960

Project Name: North River WWTP Project #: 20012155 Workorder #: 1601137B

Dear Mr. Rhine Almonacy

The following report includes the data for the above referenced project for sample(s) received on 1/13/2016 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-11A are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics Inc. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free the Project Manager: Ausha Scott at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Scott

Ausha Scott Project Manager

A Eurofins Lancaster Laboratories Company

180 Blue Ravine Road, Suite B Folsom, CA 95630



WORK ORDER #: 1601137B

Work Order Summary

CLIENT:	Mr. Rhine Almonacy	BILL TO:	Accounts Payable
	The Louis Berger Group, Inc.		The Louis Berger Group, Inc.
	412 Mount Kemble Avenue		412 Mount Kemble Avenue
	5th Floor		5th Floor
	Morristown, NJ 07960		Morristown, NJ 07960
PHONE:	973-407-1000	P.O. #	2001285.06.02
FAX:		PROJECT #	20012155 North River WWTP
DATE RECEIVED:	01/13/2016	CONTACT	Ausha Scott
DATE COMPLETED:	01/26/2016	contact.	Ausila Scou

FRACTION #	NAME	TEST
01A	Formaldehyde001-011116	Modified TO-11A
02A	Formaldehyde002-011116	Modified TO-11A
03A	Formaldehyde003-011116	Modified TO-11A
04A	Lab Blank	Modified TO-11A
05A	LCS	Modified TO-11A
05AA	LCSD	Modified TO-11A

CERTIFIED BY:

lau

DATE: <u>01/26/16</u>

Technical Director

Certification numbers: AZ Licensure AZ0775, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704343-14-7, UT NELAP CA009332014-5, VA NELAP - 460197, WA NELAP - C935 Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program) Accreditation number: CA300005, Effective date: 10/18/2014, Expiration date: 10/17/2015. Eurofins Air Toxics Inc.. certifies that the test results contained in this report meet all requirements of the NELAC standards

> This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, Inc. 180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 9563 (916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE Modified TO-11A The Louis Berger Group, Inc. Workorder# 1601137B

Three TO-11 Cartridge samples were received on January 13, 2016. The laboratory performed analysis via modified Method TO-11A using reverse phase High Pressure Liquid Chromatography (HPLC) with an Ultraviolet (UV) Detector. The method involves eluting the sorbent tubes with acetonitrile using a gravity feed technique. Method modifications taken to run these samples include:

Requirement	TO-11A	ATL Modifications
ACN Purity Check	Contribution of analytes from ACN determined as described Sections 9.1.1 and 9.1.2 of Compendium TO-11A.	Total contribution of analytes from ACN and cartridge combined is determined.
Initial Calibration Curve (ICAL)	Multi-point using linear regression performed every 6 months; $r^2 > 0.999$	Multi-point using average Response Factor; % RSD = 10 %. Re-calibration if daily cal. fails, major maintenance, or column change. Linear regression is performed when requested.</td
Blank Subtraction	Average blank concentrations calculated. Blank value subtracted from sample result.	One Lab Blank is analyzed per batch; no blank subtraction performed on samples.

Receiving Notes

🛟 eurofins

There were no receiving discrepancies.

Analytical Notes

Sampling volume was supplied by the client. A sample volume of 713 L was used to report sample Formaldehyde003-011116 and the Laboratory Blank.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:

- B Compound present in laboratory blank greater than reporting limit.
- J Estimated value.
- E Exceeds instrument calibration range.
- S Saturated peak.
- Q Exceeds quality control limits.
- U Compound analyzed for but not detected above the detection limit.
- M Reported value may be biased due to apparent matrix interferences.

File extensions may have been used on the data analysis sheets and indicates as follows:

- a-File was requantified
- b-File was quantified by a second column and detector
- r1-File was requantified for the purpose of reissue

Page 3 of 10



Summary of Detected Compounds AMBIENT AIR: MODIFIED EPA METHOD TO-11A HPLC

Client Sample ID: Formaldehyde001-011116

Lab ID#: 1601137B-01A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.070	4.4	6.2
Acetaldehyde	0.10	0.14	0.98	1.4
Methyl Ethyl Ketone/Butyraldehydes	0.25	0.35	0.33	0.46

Client Sample ID: Formaldehyde002-011116

Lab ID#: 1601137B-02A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.070	3.8	5.3
Acetaldehyde	0.10	0.14	1.0	1.4
Methyl Ethyl Ketone/Butyraldehydes	0.25	0.35	0.32	0.45

Client Sample ID: Formaldehyde003-011116

Lab ID#: 1601137B-03A

No Detections Were Found.



Client Sample ID: Formaldehyde001-011116 Lab ID#: 1601137B-01A AMBIENT AIR: MODIFIED EPA METHOD TO-11A HPLC

٦

File Name: Dil. Factor:	f0114010a 1.00	Date of Collection: 1/11/16 6:00:00 PM Date of Analysis: 1/14/16 02:17 PM Date of Extraction: 1/14/16		
Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.070	4.4	6.2
Acetaldehyde	0.10	0.14	0.98	1.4
Crotonaldehyde	0.25	0.35	Not Detected	Not Detected
Methyl Ethyl Ketope/Butyraldebydes	0.25	0.35	0.33	0.46
Benzaldehyde	0.25	0.35	Not Detected	Not Detected
o-Tolualdehyde	0.25	0.35	Not Detected	Not Detected
m,p-Tolualdehyde	0.25	0.35	Not Detected	Not Detected



Client Sample ID: Formaldehyde002-011116 Lab ID#: 1601137B-02A AMBIENT AIR: MODIFIED EPA METHOD TO-11A HPLC

٦

File Name: Dil. Factor:	f0114011a 1.00	Date of Collection: 1/11/16 6:15:00 AM Date of Analysis: 1/14/16 02:43 PM Date of Extraction: 1/14/16		
Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.070	3.8	5.3
Acetaldehyde	0.10	0.14	1.0	1.4
Crotonaldehyde	0.25	0.35	Not Detected	Not Detected
Methyl Ethyl Ketone/Butyraldehydes	0.25	0.35	0.32	0.45
Benzaldehyde	0.25	0.35	Not Detected	Not Detected
o-Tolualdehyde	0.25	0.35	Not Detected	Not Detected
m,p-Tolualdehyde	0.25	0.35	Not Detected	Not Detected



Client Sample ID: Formaldehyde003-011116 Lab ID#: 1601137B-03A AMBIENT AIR: MODIFIED EPA METHOD TO-11A HPLC

٦

File Name: Dil. Factor:	f0114007a 1.00	Date of Collection: 1/11/16 Date of Analysis: 1/14/16 12:59 PM Date of Extraction: 1/14/16		
Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.070	Not Detected	Not Detected
Acetaldehyde	0.10	0.14	Not Detected	Not Detected
Crotonaldehyde	0.25	0.35	Not Detected	Not Detected
Methyl Ethyl Ketone/Butyraldehydes	0.25	0.35	Not Detected	Not Detected
Benzaldehyde	0.25	0.35	Not Detected	Not Detected
o-Tolualdehyde	0.25	0.35	Not Detected	Not Detected
m,p-Tolualdehyde	0.25	0.35	Not Detected	Not Detected



Client Sample ID: Lab Blank Lab ID#: 1601137B-04A AMBIENT AIR: MODIFIED EPA METHOD TO-11A HPLC

1

File Name: Dil. Factor:	f0114005 1.00	Date of Collection: NA Date of Analysis: 1/14/16 12:07 PM Date of Extraction: 1/14/16		16 12:07 PM 4/16
Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.070	Not Detected	Not Detected
Acetaldehyde	0.10	0.14	Not Detected	Not Detected
Crotonaldehyde	0.25	0.35	Not Detected	Not Detected
Methyl Ethyl Ketone/Butyraldehydes	0.25	0.35	Not Detected	Not Detected
Benzaldehyde	0.25	0.35	Not Detected	Not Detected
o-Tolualdehyde	0.25	0.35	Not Detected	Not Detected
m,p-Tolualdehyde	0.25	0.35	Not Detected	Not Detected

Air Sample Volume(L): 713 Container Type: NA - Not Applicable



Client Sample ID: LCS Lab ID#: 1601137B-05A AMBIENT AIR: MODIFIED EPA METHOD TO-11A HPLC

٦

File Name: Dil. Factor:	f0114003 1.00	Date of Collection: NA Date of Analysis: 1/14/16 Date of Extraction: 1/14/1	
Compound		%Recovery	Method Limits
Formaldehyde		96	85-115
Acetaldehyde		95	85-115
Crotonaldehyde		100	85-115
Methyl Ethyl Ketone/Butyraldehydes		98	85-115
Benzaldehyde		100	85-115
o-Tolualdehyde		102	85-115
m,p-Tolualdehyde		98	85-115

Air Sample Volume(L): 1.00 Container Type: NA - Not Applicable



Client Sample ID: LCSD Lab ID#: 1601137B-05AA AMBIENT AIR: MODIFIED EPA METHOD TO-11A HPLC

٦

File Name: Dil. Factor:	f0114004 Date of Collection: N 1.00 Date of Analysis: 1/ Date of Extraction:		ction: NA sis: 1/14/16 11:41 AM ction: 1/14/16
Compound		%Recovery	Method Limits
Formaldehyde		102	85-115
Acetaldehyde		99	85-115
Crotonaldehyde		103	85-115
Methyl Ethyl Ketone/Butyraldehydes		101	85-115
Benzaldehyde		102	85-115
o-Tolualdehyde		105	85-115
m,p-Tolualdehyde		102	85-115

Air Sample Volume(L): 1.00 Container Type: NA - Not Applicable

SORBENT SAMPLE COLLECTION



2/3/2016 Mr. Rhine Almonacy The Louis Berger Group, Inc. 412 Mount Kemble Avenue 5th Floor Morristown NJ 07960

Project Name: North River WWTP Project #: Workorder #: 1601260A

Dear Mr. Rhine Almonacy

The following report includes the data for the above referenced project for sample(s) received on 1/21/2016 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-11A are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics Inc. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free the Project Manager: Ausha Scott at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Scott

Ausha Scott Project Manager

A Eurofins Lancaster Laboratories Company

180 Blue Ravine Road, Suite B Folsom, CA 95630



WORK ORDER #: 1601260A

Work Order Summary

CLIENT:	Mr. Rhine Almonacy	BILL TO:	Accounts Payable
	The Louis Berger Group, Inc.		The Louis Berger Group, Inc.
	412 Mount Kemble Avenue		412 Mount Kemble Avenue
	5th Floor		5th Floor
	Morristown, NJ 07960		Morristown, NJ 07960
PHONE:	973-407-1000	P.O. #	2001285.06.02
FAX:		PROJECT #	North River WWTP
DATE RECEIVED:	01/21/2016	СОМТАСТ	Ausha Scott
DATE COMPLETED:	02/03/2016	contact.	Ausila Scou

FRACTION #	NAME	<u>TEST</u>
01A	Formaldehyde 001-011716	Modified TO-11A
02A	Formaldehyde 002-011716	Modified TO-11A
03A	Formaldehyde 003-011716	Modified TO-11A
04A	Lab Blank	Modified TO-11A
05A	LCS	Modified TO-11A
05AA	LCSD	Modified TO-11A

CERTIFIED BY:

lau

DATE: 02/03/16

Technical Director

Certification numbers: AZ Licensure AZ0775, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704343-14-7, UT NELAP CA009332014-5, VA NELAP - 460197, WA NELAP - C935 Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program) Accreditation number: CA300005, Effective date: 10/18/2014, Expiration date: 10/17/2015. Eurofins Air Toxics Inc.. certifies that the test results contained in this report meet all requirements of the NELAC standards

> This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, Inc. 180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 9563 (916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

> > Page 2 of 10

LABORATORY NARRATIVE Modified TO-11A The Louis Berger Group, Inc. Workorder# 1601260A

Three TO-11 Cartridge samples were received on January 21, 2016. The laboratory performed analysis via modified Method TO-11A using reverse phase High Pressure Liquid Chromatography (HPLC) with an Ultraviolet (UV) Detector. The method involves eluting the sorbent tubes with acetonitrile using a gravity feed technique. Method modifications taken to run these samples include:

Requirement	TO-11A	ATL Modifications
ACN Purity Check	Contribution of analytes from ACN determined as described Sections 9.1.1 and 9.1.2 of Compendium TO-11A.	Total contribution of analytes from ACN and cartridge combined is determined.
Initial Calibration Curve (ICAL)	Multi-point using linear regression performed every 6 months; $r^2 > 0.999$	Multi-point using average Response Factor; % RSD = 10 %. Re-calibration if daily cal. fails, major maintenance, or column change. Linear regression is performed when requested.</td
Blank Subtraction	Average blank concentrations calculated. Blank value subtracted from sample result.	One Lab Blank is analyzed per batch; no blank subtraction performed on samples.

Receiving Notes

🛟 eurofins

There were no receiving discrepancies.

Analytical Notes

Sampling volume was supplied by the client. A sample volume of 713 L was used to report sample Formaldehyde 003-011716 and the Laboratory Blank.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:

- B Compound present in laboratory blank greater than reporting limit.
- J Estimated value.
- E Exceeds instrument calibration range.
- S Saturated peak.
- Q Exceeds quality control limits.
- U Compound analyzed for but not detected above the detection limit.
- M Reported value may be biased due to apparent matrix interferences.

File extensions may have been used on the data analysis sheets and indicates as follows:

- a-File was requantified
- b-File was quantified by a second column and detector
- r1-File was requantified for the purpose of reissue

Page 3 of 10



Summary of Detected Compounds AMBIENT AIR: EPA METHOD TO-11A HPLC

Client Sample ID: Formaldehyde 001-011716

Lab ID#: 1601260A-01A

Compound	Rpt. Limit	Rpt. Limit	Amount	Amount
	(ug)	(ug/m3)	(ug)	(ug/m3)
Formaldehyde	0.050	0.070	4.4	6.2

Client Sample ID: Formaldehyde 002-011716

Lab ID#: 1601260A-02A

	Rpt. Limit	Rpt. Limit	Amount	Amount
Compound	(ug)	(ug/m3)	(ug)	(ug/m3)
Formaldehyde	0.050	0.070	3.9	5.5

Client Sample ID: Formaldehyde 003-011716

Lab ID#: 1601260A-03A

No Detections Were Found.



Client Sample ID: Formaldehyde 001-011716 Lab ID#: 1601260A-01A AMBIENT AIR: EPA METHOD TO-11A HPLC

٦

File Name:	f0125035	Date of Collection: 1/17/16 6:00:00 PM		
Dil. Factor:	1.00	Date of Analysis: 1/26/16 05:24 AM		
		Date of Extraction: 1/25/16		
Compound	Rpt. Limit	Rpt. Limit	Amount	Amount
	(ug)	(ug/m3)	(ug)	(ug/m3)
Formaldehyde	0.050	0.070	4.4	6.2



Г

Air Toxics

Client Sample ID: Formaldehyde 002-011716 Lab ID#: 1601260A-02A AMBIENT AIR: EPA METHOD TO-11A HPLC

٦

File Name:	f0125036	Date of Collection: 1/17/16 6:15:00 AM		
Dil. Factor:	1.00	Date of Analysis: 1/26/16 05:50 AM		
Compound	Rpt. Limit	Rpt. Limit	Amount	Amount
	(ug)	(ug/m3)	(ug)	(ug/m3)
Formaldehyde	0.050	0.070	3.9	5.5



Г

Air Toxics

Client Sample ID: Formaldehyde 003-011716 Lab ID#: 1601260A-03A AMBIENT AIR: EPA METHOD TO-11A HPLC

٦

File Name: Dil. Factor:	f0125034 1.00	Date of Collection: 1/17/16 Date of Analysis: 1/26/16 04:58 AM		
		Date of Extraction: 1/25/16		
	Rpt. Limit	Rpt. Limit Amount Amount		
Compound	(ug)	(ug/m3)	(ug)	(ug/m3)
Formaldehyde	0.050	0.070	Not Detected	Not Detected


Client Sample ID: Lab Blank Lab ID#: 1601260A-04A AMBIENT AIR: EPA METHOD TO-11A HPLC File Name: f0125033 **Date of Collection: NA** Dil. Factor: Date of Analysis: 1/26/16 04:32 AM 1.00 Date of Extraction: 1/25/16 **Rpt.** Limit Rpt. Limit Amount Amount Compound (ug/m3) (ug) (ug/m3) (ug) Not Detected Formaldehyde 0.050 0.070 Not Detected



I

Air Toxics

Client Sample ID: LCS Lab ID#: 1601260A-05A AMBIENT AIR: EPA METHOD TO-11A HPLC

File Name: Dil. Factor:	f0125029 1.00	Date of Collec Date of Analys Date of Extrac	etion: NA sis: 1/26/16 02:49 AM etion: 1/25/16
Compound		%Recovery	Method Limits
Formaldehyde		107	85-115



I

Air Toxics

Client Sample ID: LCSD Lab ID#: 1601260A-05AA AMBIENT AIR: EPA METHOD TO-11A HPLC

File Name: Dil. Factor:	f0125030 1.00	Date of Collec Date of Analys Date of Extrac	etion: NA sis: 1/26/16 03:15 AM etion: 1/25/16
Compound		%Recovery	Method Limits
Formaldehyde		101	85-115

1041200	None	Tes No		000		Ц Ц.Ч. С				Sec.
Work Order #	s Intact?	Custody Seal		Condition				Air Bill #	Shipper Name	
		otes:	Z							
	Pate:	verage Flow F	A		Date/Time	signature) [Received by: (te/Time	d by: (signature) Dat	Relinquishe
	Rate:	ost-test Flow	9	~	Date/Time	(signature) [Received by: (te/Time	d byะ/(signature) Dat	Relinquishe
ion	ition Informat Pate:	ump Calibra	P XCO		Date/Time	(signature) I	Received by: (te/Time // <i>110//と、1</i> 代でで	d by: (signature) Da	Relinquishe
						الله عام العامين الله عن الله عنه الله			лали	
					-	n e a hier na bree a ser a			9990	
444 Mile June	51		1944							
Anno a supervision of the second seco						1				
		2 - 4 - 4 - 4 - 4	746 69		14					
6	2 Jul - 1	N/W-	N	NA	NR	1		91010-10m	Torma Velia	SA (D
		712.8	्ह	2190	No.			2 001-011 (co	Formal Low	JUA
- CANEL LALE	Allar	1131	720	0031	05/201 6	6117146		001-01171/0	Tormalde hyde	O(A
alysis Requested	è	Final Volume	Duration	End Time	Start Time	Date of Collection	Tube # / Cartridge #	.D. (Location)	Field Sample I	Lab I:D.
	specify	WWTP	dh Carros	ame_ <u>N</u> z	Project Na		energing	Fax	2460755	Phone
ma/m3	Rush				Project #_	reart	_State <u>∧</u> √ Zir	City Way of	SWAULS AR	Address 📝
vudd nqdd	Normal				P.O. #	X	C. No.	11 d & 1 t de cui	10015130	Company
_ Circle Reporting	Turn Around Time:			ıfo:	Project Ir	S S	n Cy	a HIMONA	ager <u>KALA</u>	Project Man
RAVINE ROAD, SUITE B LSOM, CA 95630 Page of /	180 BLUE FO (916) 985-1	d in compliance regulations and the collection, reement to hold or action, of any of ary 0) 467-4922.	being shipper ational laws, r with respect to poindicates ag aim, demand, o D.T. Hotline (80	at sample is and interna no liability v signature ats ainst any cla amples. D.(r shipping of s	Ition Notice In this documen I, State, Feder Air Toxics Limit Air Toxics Limit rese samples. F demnify Air Toxi demnify Air Toxi tion, handling, o	le Transporta ishing signature o l applicable loca cess of any kind. g or shipping of the s, defend, and int s, defend, and int	RECORD kind, re	Air Toxics	CHAIN-

SORBENT SAMPLE COLLECTION



2/6/2016 Mr. Rhine Almonacy The Louis Berger Group, Inc. 412 Mount Kemble Avenue 5th Floor Morristown NJ 07960

Project Name: North River WWTP Project #: Workorder #: 1601350A

Dear Mr. Rhine Almonacy

The following report includes the data for the above referenced project for sample(s) received on 1/27/2016 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-11A are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics Inc. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free the Project Manager: Ausha Scott at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Scott

Ausha Scott Project Manager

A Eurofins Lancaster Laboratories Company

180 Blue Ravine Road, Suite B Folsom, CA 95630



WORK ORDER #: 1601350A

Work Order Summary

CLIENT:	Mr. Rhine Almonacy	BILL TO:	Accounts Payable
	The Louis Berger Group, Inc.		The Louis Berger Group, Inc.
	412 Mount Kemble Avenue		412 Mount Kemble Avenue
	5th Floor		5th Floor
	Morristown, NJ 07960		Morristown, NJ 07960
PHONE:	973-407-1000	P.O. #	2001285.06.02
FAX:		PROJECT #	North River WWTP
DATE RECEIVED:	01/27/2016	СОМТАСТ	Ausha Scott
DATE COMPLETED:	02/06/2016	contact.	Ausila Scott

FRACTION #	NAME	TEST
01A	Formaldehyde001-012316	Modified TO-11A
02A	Formaldehyde002-012316	Modified TO-11A
03A	Formaldehyde003-012316	Modified TO-11A
04A	Lab Blank	Modified TO-11A
05A	LCS	Modified TO-11A
05AA	LCSD	Modified TO-11A

CERTIFIED BY:

lau

DATE: <u>02/06/16</u>

Technical Director

Certification numbers: AZ Licensure AZ0775, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704343-14-7, UT NELAP CA009332014-5, VA NELAP - 460197, WA NELAP - C935 Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program) Accreditation number: CA300005, Effective date: 10/18/2014, Expiration date: 10/17/2015. Eurofins Air Toxics Inc.. certifies that the test results contained in this report meet all requirements of the NELAC standards

> This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, Inc. 180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 9563 (916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

> > Page 2 of 10

LABORATORY NARRATIVE Modified TO-11A The Louis Berger Group, Inc. Workorder# 1601350A

Three TO-11 Cartridge samples were received on January 27, 2016. The laboratory performed analysis via modified Method TO-11A using reverse phase High Pressure Liquid Chromatography (HPLC) with an Ultraviolet (UV) Detector. The method involves eluting the sorbent tubes with acetonitrile using a gravity feed technique. Method modifications taken to run these samples include:

Requirement	TO-11A	ATL Modifications
ACN Purity Check	Contribution of analytes from ACN determined as described Sections 9.1.1 and 9.1.2 of Compendium TO-11A.	Total contribution of analytes from ACN and cartridge combined is determined.
Initial Calibration Curve (ICAL)	Multi-point using linear regression performed every 6 months; $r^2 > 0.999$	Multi-point using average Response Factor; % RSD = 10 %. Re-calibration if daily cal. fails, major maintenance, or column change. Linear regression is performed when requested.</td
Blank Subtraction	Average blank concentrations calculated. Blank value subtracted from sample result.	One Lab Blank is analyzed per batch; no blank subtraction performed on samples.

Receiving Notes

🛟 eurofins

There were no receiving discrepancies.

Analytical Notes

Sampling volume was supplied by the client. A sample volume of 713 L was used to report sample Formaldehyde003-012316 and the Laboratory Blank.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:

- B Compound present in laboratory blank greater than reporting limit.
- J Estimated value.
- E Exceeds instrument calibration range.
- S Saturated peak.
- Q Exceeds quality control limits.
- U Compound analyzed for but not detected above the detection limit.
- M Reported value may be biased due to apparent matrix interferences.

File extensions may have been used on the data analysis sheets and indicates as follows:

- a-File was requantified
- b-File was quantified by a second column and detector
- r1-File was requantified for the purpose of reissue

Page 3 of 10



Summary of Detected Compounds AMBIENT AIR: EPA METHOD TO-11A HPLC

Client Sample ID: Formaldehyde001-012316

Lab ID#: 1601350A-01A

Compound	Rpt. Limit	Rpt. Limit	Amount	Amount
	(ug)	(ug/m3)	(ug)	(ug/m3)
Formaldehyde	0.050	0.070	5.2	7.2

Client Sample ID: Formaldehyde002-012316

Lab ID#: 1601350A-02A

	Rpt. Limit	Rpt. Limit	Amount	Amount
Compound	(ug)	(ug/m3)	(ug)	(ug/m3)
Formaldehyde	0.050	0.070	2.8	3.9

Client Sample ID: Formaldehyde003-012316

Lab ID#: 1601350A-03A

No Detections Were Found.



Client Sample ID: Formaldehyde001-012316 Lab ID#: 1601350A-01A AMBIENT AIR: EPA METHOD TO-11A HPLC

٦

File Name: Dil. Factor:	f0129010 1.00	Date Date Date	e of Collection: 1/2 e of Analysis: 1/29/ e of Extraction: 1/2	3/16 6:00:00 PM 16 06:49 PM 9/16
Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.070	5.2	7.2



Г

Air Toxics

Client Sample ID: Formaldehyde002-012316 Lab ID#: 1601350A-02A AMBIENT AIR: EPA METHOD TO-11A HPLC

٦

File Name: Dil. Factor:	f0129011 1.00	Date Date Date	e of Collection: 1/2 e of Analysis: 1/29/ e of Extraction: 1/2	3/16 6:15:00 AM 16 07:15 PM 9/16
Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.070	2.8	3.9



Г

Air Toxics

Client Sample ID: Formaldehyde003-012316 Lab ID#: 1601350A-03A AMBIENT AIR: EPA METHOD TO-11A HPLC

٦

File Name: Dil. Factor:	f0129009 1.00	Date of Collection: 1/23/16 Date of Analysis: 1/29/16 06:23 PM Date of Extraction: 1/29/16			
Compound	Rpt. Limit (ug)	Rpt. Limit Amount Amount (ug/m3) (ug) (ug/m3)			
Formaldehyde	0.050	0.070	Not Detected	Not Detected	



Client Sample ID: Lab Blank Lab ID#: 1601350A-04A AMBIENT AIR: EPA METHOD TO-11A HPLC File Name: f0129008 **Date of Collection: NA** Dil. Factor: Date of Analysis: 1/29/16 05:57 PM 1.00 Date of Extraction: 1/29/16 Rpt. Limit Amount **Rpt.** Limit Amount Compound (ug/m3) (ug) (ug/m3) (ug) Not Detected Formaldehyde 0.050 0.070 Not Detected



I

Air Toxics

Client Sample ID: LCS Lab ID#: 1601350A-05A AMBIENT AIR: EPA METHOD TO-11A HPLC

File Name: Dil. Factor:	f0129004 1.00	Date of Collec Date of Analys Date of Extrac	tion: NA sis: 1/29/16 04:13 PM tion: 1/29/16
Compound		%Recovery	Method Limits
Formaldehyde		104	85-115



Client Sample ID: LCSD Lab ID#: 1601350A-05AA AMBIENT AIR: EPA METHOD TO-11A HPLC

File Name: Dil. Factor:	f0129005 1.00	Date of Collec Date of Analy Date of Extrac	etion: NA sis: 1/29/16 04:39 PM etion: 1/29/16
Compound		%Recovery	Method Limits
Formaldehyde		102	85-115

	Lab Shipper Name Air Bill #		Relinquished by: (signature) Date/Time Received	Relinquished by: (signature) / Date/Time	1119 aggi gilteli S B	Relinquished by: (signature) Date/Time Received					03A Formallahigh 003 - 012316	00A Frindlichyde 002 - 0123/6	OIA Formaldhyde oot 0123/6	Lab I.D. Field Sample I.D. (Location) Tube # A/ Cartridg	Phone 21/2-12-1251 Fax 1	Adress IR Wall & Will City Marshit State	Company LOUIS BUC GEL Email	collected by: (Print and Sign), RALAR AMARYACO,	Project Manager Shine Almonacy	CHAIN-OF-CUSTODY RECORD SHAIN-OF-CUSTODY RECORD Kind, related to the	
			by: (signature) Date/Time	l by: (signature) Ďate/Time	EATL 1-27-16	by: (signature) Date/Time					C NA A	1/3/1	012316 0600	/ Date of Start e # Collection Time	Project Na	Zip <u>10075</u> Project #_			Project In	oortation Notice luce on this document indicates the local, State, Federal, national, a kind. Air Toxics Limited assumes r g of these samples. Relinquishing si and indemnify Air Toxics Limited age collection, handling, or shipping of si	
N 201	Condition Cust	Notes:	Averaç	Post-t	ルン Pre-te	Pump		-			S/A R/A A	0615 720 71	1800 726 71	End Time Duration	me Month River YVV				fo:	at sample is being shipped in or and international laws, regula no liability with respect to the ignature also indicates agreeme ainst any claim, demand, or acti amples. D.O.T. Hotline (800) 467	
OCFT09T Jeuoni on si	ody Seals Intact? Work Order #		ge Flow Rate:	est Flow Rate:	st Flow Rate:	Calibration Information	,		X		All A	Q.2 1	13.1 50-11A Cormalderyde	Final Analysis Requested	<u>//Wspecify</u>	A Rush	ppbv ppmv	Time: Units: .	Turn Around Circle Reporting	ompliance titons and collection, ant to hold ion, of any r-4922. FOLSOM, CA 95630 FOLSOM, CA 95630 Page / of	



2/26/2016 Mr. Rhine Almonacy The Louis Berger Group, Inc. 412 Mount Kemble Avenue 5th Floor Morristown NJ 07960

Project Name: North River WWTP Project #: 2001285.05.02 Workorder #: 1602026A

Dear Mr. Rhine Almonacy

The following report includes the data for the above referenced project for sample(s) received on 2/2/2016 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-11A are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics Inc. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free the Project Manager: Ausha Scott at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Scott

Ausha Scott Project Manager

A Eurofins Lancaster Laboratories Company

180 Blue Ravine Road, Suite B Folsom, CA 95630



WORK ORDER #: 1602026A

Work Order Summary

CLIENT:	Mr. Rhine Almonacy	BILL TO:	Accounts Payable
	The Louis Berger Group, Inc.		The Louis Berger Group, Inc.
	412 Mount Kemble Avenue		412 Mount Kemble Avenue
	5th Floor		5th Floor
	Morristown, NJ 07960		Morristown, NJ 07960
PHONE:	973-407-1000	P.O. #	2001285.06.02
FAX:		PROJECT #	2001285.05.02 North River WWTP
DATE RECEIVED:	02/02/2016	CONTACT	Aucha Scott
DATE COMPLETED:	02/26/2016	comaci.	Ausila Scott

FRACTION #	NAME	<u>TEST</u>
01A	Formaldehyde001-012916	Modified TO-11A
02A	Formaldehyde002-012916	Modified TO-11A
03A	Formaldehyde003-012916	Modified TO-11A
04A	Lab Blank	Modified TO-11A
05A	LCS	Modified TO-11A
05AA	LCSD	Modified TO-11A

CERTIFIED BY:

lau

DATE: <u>02/26/16</u>

Technical Director

Certification numbers: AZ Licensure AZ0775, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704343-14-7, UT NELAP CA009332014-5, VA NELAP - 460197, WA NELAP - C935 Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program) Accreditation number: CA300005, Effective date: 10/18/2014, Expiration date: 10/17/2015. Eurofins Air Toxics Inc.. certifies that the test results contained in this report meet all requirements of the NELAC standards

> This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, Inc. 180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630 (916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE Modified TO-11A The Louis Berger Group, Inc. Workorder# 1602026A

Three TO-11 Cartridge samples were received on February 02, 2016. The laboratory performed analysis via modified Method TO-11A using reverse phase High Pressure Liquid Chromatography (HPLC) with an Ultraviolet (UV) Detector. The method involves eluting the sorbent tubes with acetonitrile using a gravity feed technique. Method modifications taken to run these samples include:

Requirement	TO-11A	ATL Modifications
ACN Purity Check	Contribution of analytes from ACN determined as described Sections 9.1.1 and 9.1.2 of Compendium TO-11A.	Total contribution of analytes from ACN and cartridge combined is determined.
Initial Calibration Curve (ICAL)	Multi-point using linear regression performed every 6 months; $r^2 > 0.999$	Multi-point using average Response Factor; % RSD = 10 %. Re-calibration if daily cal. fails, major maintenance, or column change. Linear regression is performed when requested.</td
Blank Subtraction	Average blank concentrations calculated. Blank value subtracted from sample result.	One Lab Blank is analyzed per batch; no blank subtraction performed on samples.

Receiving Notes

🛟 eurofins

There were no receiving discrepancies.

Analytical Notes

Sampling volume was supplied by the client. A sample volume of 713 L was used to report sample Formaldehyde003-012916 and the Laboratory Blank.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:

- B Compound present in laboratory blank greater than reporting limit.
- J Estimated value.
- E Exceeds instrument calibration range.
- S Saturated peak.
- Q Exceeds quality control limits.
- U Compound analyzed for but not detected above the detection limit.
- M Reported value may be biased due to apparent matrix interferences.

File extensions may have been used on the data analysis sheets and indicates as follows:

- a-File was requantified
- b-File was quantified by a second column and detector
- r1-File was requantified for the purpose of reissue

Page 3 of 10



Summary of Detected Compounds AMBIENT AIR: EPA METHOD TO-11A HPLC

Client Sample ID: Formaldehyde001-012916

Lab ID#: 1602026A-01A

Compound	Rpt. Limit	Rpt. Limit	Amount	Amount
	(ug)	(ug/m3)	(ug)	(ug/m3)
Formaldehyde	0.050	0.070	6.3	8.8

Client Sample ID: Formaldehyde002-012916

Lab ID#: 1602026A-02A

	Rpt. Limit	Rpt. Limit	Amount	Amount
Compound	(ug)	(ug/m3)	(ug)	(ug/m3)
Formaldehyde	0.050	0.070	5.0	7.0

Client Sample ID: Formaldehyde003-012916

Lab ID#: 1602026A-03A

No Detections Were Found.



Client Sample ID: Formaldehyde001-012916 Lab ID#: 1602026A-01A AMBIENT AIR: EPA METHOD TO-11A HPLC

٦

File Name: Dil. Factor:	f0224026 1.00	Date Date Date	e of Collection: 1/2 e of Analysis: 2/24/ e of Extraction: 2/1	9/16 6:00:00 PM 16 10:39 PM 2/16
Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.070	6.3	8.8



Г

Air Toxics

Client Sample ID: Formaldehyde002-012916 Lab ID#: 1602026A-02A AMBIENT AIR: EPA METHOD TO-11A HPLC

٦

File Name:	f0224027	Date of Collection: 1/29/16 6:15:00 AM			
Dil. Factor:	1.00	Date of Analysis: 2/24/16 11:05 PM			
Compound	Rpt. Limit	Rpt. Limit	Amount	Amount	
	(ug)	(ug/m3)	(ug)	(ug/m3)	
Formaldehyde	0.050	0.070	5.0	7.0	



Г

Air Toxics

Client Sample ID: Formaldehyde003-012916 Lab ID#: 1602026A-03A AMBIENT AIR: EPA METHOD TO-11A HPLC

٦

File Name: Dil. Factor:	f0224023 1.00	Date of Collection: 1/29/16 Date of Analysis: 2/24/16 09:21 PM				
		Date of Extraction: 2/12/16				
	Rpt. Limit	Rpt. Limit	Amount	Amount		
Compound	(ug)	(ug/m3)	(ug)	(ug/m3)		
Formaldehyde	0.050	0.070	Not Detected	Not Detected		



Client Sample ID: Lab Blank Lab ID#: 1602026A-04A AMBIENT AIR: EPA METHOD TO-11A HPLC File Name: f0224022 **Date of Collection: NA** Dil. Factor: Date of Analysis: 2/24/16 08:55 PM 1.00 Date of Extraction: 2/12/16 **Rpt.** Limit Rpt. Limit Amount Amount Compound (ug/m3) (ug) (ug/m3) (ug) Not Detected Formaldehyde 0.050 0.070 Not Detected



I

Air Toxics

Client Sample ID: LCS Lab ID#: 1602026A-05A AMBIENT AIR: EPA METHOD TO-11A HPLC

File Name: Dil. Factor:	f0224020 1.00	Date of Collec Date of Analy Date of Extrac	ction: NA sis: 2/24/16 08:03 PM ction: 2/12/16
Compound		%Recovery	Method Limits
Formaldehyde		95	85-115



I

Air Toxics

Client Sample ID: LCSD Lab ID#: 1602026A-05AA AMBIENT AIR: EPA METHOD TO-11A HPLC

File Name: Dil. Factor:	f0224021 1.00	Date of Collec Date of Analys Date of Extrac	etion: NA sis: 2/24/16 08:29 PM etion: 2/12/16
Compound		%Recovery	Method Limits
Formaldehyde		95	85-115

1602020	None	Yes No		(apple)		TH'XX			ZAM	Only
Work Order #	s Intact?	Custody Seals		Condition		Temp (°C)		me Air Bill #	Shipper Nar	
		lotes:	7			(9.9 mm)			9	-
	late:	werage Flow F	>	1020)ate/Time	(signature) [Received hv:	ature) Date/Time	shed by: (signal	Relinauis
	Rate:	^o ost-test Flow	177 257	1 7 7 7)ate/Time	(signature) [Received by:	aturé) / Date/Time	shed by: (signat	Relinquis
tion	ition Inform: late:	he-test Flow R	The F	~	Date/Time	(signature) [Received by:	ature) Date/Time ンルルム /5のき	shed by: (signa	Relinqui
							-			
					~	6				
J		A/M	N/4	chr	alle	Ala		Johy do or3 - 012916	(Januel)	3/2
		7/2.8	720	1615	1815			3/19610-200 B/12/6	Frenda	₽.A
A Formeldelyd	70-11	7/3.1	720	1800	0600	1/29/16		hydoool-012916	Ermild	Alo
inalysis Requested		Final Xolume	Duration	End Time	Start Time	Date of Collection	Tube # / Cartridge #	I Sample I.D. (Location)	Field	5
	specify	JEW D	hlover (ame Klow	Project Na	1		-1267 Fax	-8/6-626	Phone
	Rush	2	185050	20012	Project #_	0/0005	_ State / 1/ Zi	+ 12+PY City When Yould	uslach of	Address
ppbv ppmv	M Normal		and and a second se		P.O. #	Y	Z & C	(30) AND Email		Company
d Circle Reporting	Turn Aroun Time:			nfo:	Project Ir		le A	Chine Almonacy	AanagerK	Project N
RAVINE ROAD, SUITE B DLSOM, CA 95630 1000 FAX (916) 985-1020 Page / of /	180 BLUI F((916) 985-	in compliance regulations and the collection, reement to hold or action, of any 10) 467-4922.	s being shippe ational laws, with respect tr win indicates ag aim, demand, a J.T. Hotline (80	nat sample is and interna no liability v signature als jainst any cla samples. D.C	t indicates th al, national, ad assumes elinquishing s s Limited ag shipping of s	stion Notice on this document al, State, Federa Air Toxics Limit hese samples. Re demnify Air Toxic tion, handling, or	Sie Transporta i ishing signature (i applicable loca rees of any kind. ig or shipping of the ss, defend, and inv lated to the collec	STODY RECORD kind, re	N-OF-CU	HA DA

SORBENT SAMPLE COLLECTION



2/26/2016 Mr. Rhine Almonacy The Louis Berger Group, Inc. 412 Mount Kemble Avenue 5th Floor Morristown NJ 07960

Project Name: Project #: 2001285.06.02 Workorder #: 1602149A

Dear Mr. Rhine Almonacy

The following report includes the data for the above referenced project for sample(s) received on 2/9/2016 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-11A are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics Inc. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free the Project Manager: Ausha Scott at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Scott

Ausha Scott Project Manager

A Eurofins Lancaster Laboratories Company

180 Blue Ravine Road, Suite B Folsom, CA 95630



WORK ORDER #: 1602149A

Work Order Summary

CLIENT:	Mr. Rhine Almonacy	BILL TO:	Accounts Payable
	The Louis Berger Group, Inc.		The Louis Berger Group, Inc.
	412 Mount Kemble Avenue		412 Mount Kemble Avenue
	5th Floor		5th Floor
	Morristown, NJ 07960		Morristown, NJ 07960
PHONE:	973-407-1000	P.O. #	2001285.06.02
FAX:		PROJECT #	2001285.06.02
DATE RECEIVED:	02/09/2016	СОМТАСТ	Ausha Scott
DATE COMPLETED:	02/26/2016	connen	Ausia Scou

FRACTION #	NAME	TEST
01A	Formaldehyde001-020416	Modified TO-11A
02A	Formaldehyde002-020416	Modified TO-11A
03A	Formaldehyde003-020416	Modified TO-11A
04A	Lab Blank	Modified TO-11A
05A	LCS	Modified TO-11A
05AA	LCSD	Modified TO-11A

CERTIFIED BY:

lau

DATE: <u>02/26/16</u>

Technical Director

Certification numbers: AZ Licensure AZ0775, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704343-14-7, UT NELAP CA009332014-5, VA NELAP - 460197, WA NELAP - C935 Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program) Accreditation number: CA300005, Effective date: 10/18/2014, Expiration date: 10/17/2015. Eurofins Air Toxics Inc.. certifies that the test results contained in this report meet all requirements of the NELAC standards

> This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, Inc. 180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630 (916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE Modified TO-11A The Louis Berger Group, Inc. Workorder# 1602149A

Three TO-11 Cartridge samples were received on February 09, 2016. The laboratory performed analysis via modified Method TO-11A using reverse phase High Pressure Liquid Chromatography (HPLC) with an Ultraviolet (UV) Detector. The method involves eluting the sorbent tubes with acetonitrile using a gravity feed technique. Method modifications taken to run these samples include:

Requirement	TO-11A	ATL Modifications
ACN Purity Check	Contribution of analytes from ACN determined as described Sections 9.1.1 and 9.1.2 of Compendium TO-11A.	Total contribution of analytes from ACN and cartridge combined is determined.
Initial Calibration Curve (ICAL)	Multi-point using linear regression performed every 6 months; $r^2 > 0.999$	Multi-point using average Response Factor; % RSD = 10 %. Re-calibration if daily cal. fails, major maintenance, or column change. Linear regression is performed when requested.</td
Blank Subtraction	Average blank concentrations calculated. Blank value subtracted from sample result.	One Lab Blank is analyzed per batch; no blank subtraction performed on samples.

Receiving Notes

🛟 eurofins

A Temperature Blank was included with the shipment. Temperature was measured and was not within 4 ± 2 °C. Coolant in the form of blue ice was present. Analysis proceeded.

Analytical Notes

Sampling volume was supplied by the client. A sample volume of 713 L was used to report sample Formaldehyde003-020416 and the Laboratory Blank.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:

- B Compound present in laboratory blank greater than reporting limit.
- J Estimated value.
- E Exceeds instrument calibration range.
- S Saturated peak.
- Q Exceeds quality control limits.
- U Compound analyzed for but not detected above the detection limit.
- M Reported value may be biased due to apparent matrix interferences.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector



r1-File was requantified for the purpose of reissue



Summary of Detected Compounds AMBIENT AIR: EPA METHOD TO-11A HPLC

Client Sample ID: Formaldehyde001-020416

Lab ID#: 1602149A-01A

Compound	Rpt. Limit	Rpt. Limit	Amount	Amount
	(ug)	(ug/m3)	(ug)	(ug/m3)
Formaldehyde	0.050	0.070	12	17

Client Sample ID: Formaldehyde002-020416

Lab ID#: 1602149A-02A

	Rpt. Limit	Rpt. Limit	Amount	Amount
Compound	(ug)	(ug/m3)	(ug)	(ug/m3)
Formaldehyde	0.050	0.070	6.3	8.8

Client Sample ID: Formaldehyde003-020416

Lab ID#: 1602149A-03A

No Detections Were Found.



Client Sample ID: Formaldehyde001-020416 Lab ID#: 1602149A-01A AMBIENT AIR: EPA METHOD TO-11A HPLC

٦

Elle News	(000,1000	Dete		
File Name:	10224028	Date	e of Collection: 2/4	16 6:00:00 PM
Dil. Factor:	1.00	Date	of Analysis: 2/24/	16 11:31 PM
		Date of Extraction: 2/12/16		
	Rpt. Limit	Rpt. Limit	Amount	Amount
Compound	(ug)	(ug/m3)	(ug)	(ug/m3)
Formaldehyde	0.050	0.070	12	17



Client Sample ID: Formaldehyde002-020416 Lab ID#: 1602149A-02A AMBIENT AIR: EPA METHOD TO-11A HPLC

٦

File Name: Dil. Factor:	f0224029 1.00	Date of Collection: 2/4/16 6:15:00 AM Date of Analysis: 2/24/16 11:57 PM Date of Extraction: 2/12/16		
Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.070	6.3	8.8



Г

Air Toxics

Client Sample ID: Formaldehyde003-020416 Lab ID#: 1602149A-03A AMBIENT AIR: EPA METHOD TO-11A HPLC

٦

File Name: Dil. Factor:	f0224024 1.00	Dat Dat	Date of Collection: NA Date of Analysis: 2/24/16 09:47 PM		
		Date of Extraction: 2/12/16			
	Rpt. Limit	Rpt. Limit Amount Amount			
Compound	(ug)	(ug/m3)	(ug)	(ug/m3)	
Formaldehyde	0.050	0.070	Not Detected	Not Detected	



Client Sample ID: Lab Blank Lab ID#: 1602149A-04A AMBIENT AIR: EPA METHOD TO-11A HPLC File Name: f0224022 **Date of Collection: NA** Dil. Factor: Date of Analysis: 2/24/16 08:55 PM 1.00 Date of Extraction: 2/12/16 **Rpt.** Limit Rpt. Limit Amount Amount Compound (ug/m3) (ug) (ug/m3) (ug)

Not Detected

Formaldehyde 0.050 0.070 Not Detected



Client Sample ID: LCS Lab ID#: 1602149A-05A AMBIENT AIR: EPA METHOD TO-11A HPLC

File Name: Dil. Factor:	f0224020 1.00	Date of Collection: NA Date of Analysis: 2/24/16 08:03 PM Date of Extraction: 2/12/16	
Compound		%Recovery	Method Limits
Formaldehyde		95	85-115


Client Sample ID: LCSD Lab ID#: 1602149A-05AA AMBIENT AIR: EPA METHOD TO-11A HPLC

File Name: Dil. Factor:	f0224021 1.00	Date of Collec Date of Analys Date of Extrac	tion: NA sis: 2/24/16 08:29 PM stion: 2/12/16
Compound		%Recovery	Method Limits
Formaldehyde		95	85-115

Air Sample Volume(L): 1.00 Container Type: NA - Not Applicable

		Lab Shipper Name Air Bil		Relinquished by: (signature) Date/Time	Relinquished by: (signature) Date/Time	ang 19/18/6 522	Relinquished by: (signature) Date/Time					ONT Frinchly Was- 22016	ort Frimildehide 002-020016	OrA Formilophy the oct-of of the	Lab I.D. Field Sample I.D. (Location)	Phone Fax	Address 48 Wal St. 1011 City Now Jank	Sompany Lovis Berger Email	Dollected by: (Print and Sign) Ka ing March C	Project Manager Knine Hm ena Ch	CHAIN-OF-CUSTODY RECORD Har	
ANALASIAN A		#		Received by:	Received by:	40 FM	Received by:								Tube # / Cartridge #		StateA_Y_ZI		R		mple Transport nquishing signature 1 all applicable locs nances of any kind. dling or shipping of t nless, defend in nless, defend in t, related to the collec	
	$\mathcal{D}_{\mathcal{O}} \mathcal{C} \mathcal{Q}$	Temp (°C)		(signature) [(signature) [1 C	(signature) [Ì		02/4/6	02/4/16	Date of Collection		10005				ation Notice on this documer al, State, Feder Air Toxics Limit Air Toxics Limit hese samples. F these samples. F these number of the toxic demnify Air Toxi demnify Air Toxi	
				Date/Time	Date/Time	91-15-12	Date/Time					NYX	11/31	2600	Start Time	Project Na	Project #_	P.O. #))	Project In	tt indicates tha rat, national, ted assumes i tellinquishing s cs Limited ag r shipping of s	
<u> </u>	Sp	Condition				-	ï					Ala	06151	1800	Time	Ime	100%)		fo:	at sample is and interna no liability w signature also ainst any cla amples. D.O	
			Z	A	g	PU JU PI					, Ç	4/4	7.20	720	Duration		282 -00				being shipped tional laws, r hith respect to b indicates ag irn, demand, c i.T. Hottline (80	
and the second se	Yes No	Custody Sea	otes:	verage Flow	ost-test Flow	re-test Flow	ump Calibr				~	AN D	742.8	713.1	Final		182				d in complianc regulations an restructions to hole preement to hole praction, of an 0) 467-4922.	
	(None)	Is Intact?		Rate:	/ Rate:	Rate:	ation Infor							16	0	specify	Rush	XX Normal	Time:	Turn Arou	y (916) 98	
	6 %1 3031	Work Order #					mation	2 2				6		-11A from Add hycho	Analysis Requested		tofm3 mg/m3	ppbv ppmv	Units:	Ind Circle Reporting	UE RAVINE ROAD, SUITE FOLSOM, CA 95630 35-1000 FAX (916) 985-102 Page / of /	



2/26/2016 Mr. Rhine Almonacy The Louis Berger Group, Inc. 412 Mount Kemble Avenue 5th Floor Morristown NJ 07960

Project Name: North River WWTP Project #: 2001285.06.02 Workorder #: 1602238

Dear Mr. Rhine Almonacy

The following report includes the data for the above referenced project for sample(s) received on 2/12/2016 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-11A are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics Inc. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free the Project Manager: Ausha Scott at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Scott

Ausha Scott Project Manager

A Eurofins Lancaster Laboratories Company

180 Blue Ravine Road, Suite B Folsom, CA 95630



WORK ORDER #: 1602238

Work Order Summary

CLIENT:	Mr. Rhine Almonacy	BILL TO:	Accounts Payable
	The Louis Berger Group, Inc.		The Louis Berger Group, Inc.
	412 Mount Kemble Avenue		412 Mount Kemble Avenue
	5th Floor		5th Floor
	Morristown, NJ 07960		Morristown, NJ 07960
PHONE:	973-407-1000	P.O. #	2001285.06.02
FAX:		PROJECT #	2001285.06.02 North River WWTP
DATE RECEIVED:	02/12/2016	CONTACT	Aucha Scott
DATE COMPLETED:	02/26/2016	comaci.	Ausila Scott

FRACTION #	NAME	TEST
01A	Formaldehyde001-021016	Modified TO-11A
02A	Formaldehyde002-021016	Modified TO-11A
03A	Formaldehyde003-021016	Modified TO-11A
04A	Lab Blank	Modified TO-11A
05A	LCS	Modified TO-11A
05AA	LCSD	Modified TO-11A

CERTIFIED BY:

lau

DATE: <u>02/26/16</u>

Technical Director

Certification numbers: AZ Licensure AZ0775, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704343-14-7, UT NELAP CA009332014-5, VA NELAP - 460197, WA NELAP - C935 Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program) Accreditation number: CA300005, Effective date: 10/18/2014, Expiration date: 10/17/2015. Eurofins Air Toxics Inc.. certifies that the test results contained in this report meet all requirements of the NELAC standards

> This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, Inc. 180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630 (916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE Modified TO-11A The Louis Berger Group, Inc. Workorder# 1602238

Three TO-11 Cartridge samples were received on February 12, 2016. The laboratory performed analysis via modified Method TO-11A using reverse phase High Pressure Liquid Chromatography (HPLC) with an Ultraviolet (UV) Detector. The method involves eluting the sorbent tubes with acetonitrile using a gravity feed technique. Method modifications taken to run these samples include:

Requirement	TO-11A	ATL Modifications
ACN Purity Check	Contribution of analytes from ACN determined as described Sections 9.1.1 and 9.1.2 of Compendium TO-11A.	Total contribution of analytes from ACN and cartridge combined is determined.
Initial Calibration Curve (ICAL)	Multi-point using linear regression performed every 6 months; r^2 > 0.999	Multi-point using average Response Factor; % RSD = 10 %. Re-calibration if daily cal. fails, major maintenance, or column change. Linear regression is performed when requested.</td
Blank Subtraction	Average blank concentrations calculated. Blank value subtracted from sample result.	One Lab Blank is analyzed per batch; no blank subtraction performed on samples.

Receiving Notes

🛟 eurofins

A Temperature Blank was included with the shipment. Temperature was measured and was not within 4 ± 2 °C. Coolant in the form of blue ice was present. Analysis proceeded.

Analytical Notes

Sampling volume was supplied by the client. A sample volume of 713 L was used to report sample Formaldehyde003-021016 and the Laboratory Blank.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:

- B Compound present in laboratory blank greater than reporting limit.
- J Estimated value.
- E Exceeds instrument calibration range.
- S Saturated peak.
- Q Exceeds quality control limits.
- U Compound analyzed for but not detected above the detection limit.
- M Reported value may be biased due to apparent matrix interferences.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector



r1-File was requantified for the purpose of reissue



Summary of Detected Compounds AMBIENT AIR: EPA METHOD TO-11A HPLC

Client Sample ID: Formaldehyde001-021016

Lab ID#: 1602238-01A

Compound	Rpt. Limit	Rpt. Limit	Amount	Amount
	(ug)	(ug/m3)	(ug)	(ug/m3)
Formaldehyde	0.050	0.070	3.4	4.8

Client Sample ID: Formaldehyde002-021016

Lab ID#: 1602238-02A

Compound	Rpt. Limit	Rpt. Limit	Amount	Amount
Compound	(ug)	(ug/ms)	(ug)	(ug/ms)
Formaldehyde	0.050	0.070	4.2	5.9

Client Sample ID: Formaldehyde003-021016

Lab ID#: 1602238-03A

No Detections Were Found.



Air Toxics

Client Sample ID: Formaldehyde001-021016 Lab ID#: 1602238-01A AMBIENT AIR: EPA METHOD TO-11A HPLC

٦

File Name: Dil. Factor:	f0224030 1.00	Date of Collection: 2/10/16 6:00:00 PM Date of Analysis: 2/25/16 12:23 AM				
		Date of Extraction: 2/12/16				
	Rpt. Limit	Rpt. Limit	Amount	Amount		
Compound	(ug)	(ug/m3)	(ug)	(ug/m3)		
Formaldehyde	0.050	0.070	3.4	4.8		



Air Toxics

Client Sample ID: Formaldehyde002-021016 Lab ID#: 1602238-02A AMBIENT AIR: EPA METHOD TO-11A HPLC

٦

File Name: Dil. Factor:	f0224031 1.00	Date of Collection: 2/10/16 6:00:00 AM Date of Analysis: 2/25/16 12:49 AM Date of Extraction: 2/12/16			
Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)	
Formaldehyde	0.050	0.070	4.2	5.9	



Air Toxics

Client Sample ID: Formaldehyde003-021016 Lab ID#: 1602238-03A AMBIENT AIR: EPA METHOD TO-11A HPLC

٦

File Name: Dil. Factor:	f0224025 1.00	Date of Collection: 2/10/16 Date of Analysis: 2/24/16 10:13 PM				
		Date of Extraction: 2/12/16				
	Rpt. Limit	Rpt. Limit	Amount	Amount		
Compound	(ug)	(ug/m3)	(ug)	(ug/m3)		
Formaldehyde	0.050	0.070	Not Detected	Not Detected		



Client Sample ID: Lab Blank Lab ID#: 1602238-04A AMBIENT AIR: EPA METHOD TO-11A HPLC File Name: f0224022 **Date of Collection: NA** Dil. Factor: Date of Analysis: 2/24/16 08:55 PM 1.00 Date of Extraction: 2/12/16 **Rpt.** Limit Rpt. Limit Amount Amount Compound (ug/m3) (ug) (ug/m3) (ug) Not Detected Formaldehyde 0.050 0.070 Not Detected

Air Sample Volume(L): 713 Container Type: NA - Not Applicable



I

Air Toxics

Client Sample ID: LCS Lab ID#: 1602238-05A AMBIENT AIR: EPA METHOD TO-11A HPLC

File Name: Dil. Factor:	f0224020 1.00	Date of Collec Date of Analys Date of Extrac	tion: NA sis: 2/24/16 08:03 PM :tion: 2/12/16
Compound		%Recovery	Method Limits
Formaldehyde		95	85-115

Air Sample Volume(L): 1.00 Container Type: NA - Not Applicable



I

Air Toxics

Client Sample ID: LCSD Lab ID#: 1602238-05AA AMBIENT AIR: EPA METHOD TO-11A HPLC

File Name: Dil. Factor:	f0224021 1.00	Date of Collec Date of Analys Date of Extrac	ction: NA sis: 2/24/16 08:29 PM ction: 2/12/16
Compound		%Recovery	Method Limits
Formaldehyde		95	85-115

Air Sample Volume(L): 1.00 Container Type: NA - Not Applicable

	Lab Shipper Name		Relinquished by: (signature) Date/Time	Relinquíshed by: (signature) Date/Time	166 3/1/16 160	Relinquished by: (signature) Date/Time					03A Formilphyde 003 -0210	024 Frindlande 003 -0210	01A Bornaldehyde 001-0216	Lab I.D. Field Sample I.D. (Locatic	2hone 2/2-6/2-7/27/ Fax	Vodress 48Wall St. NAH City No	Sompany Cours BORD	Project Manager <u>44148</u> <u>Himonas</u>	CHAIN-OF-CUSTODY RECOR
	Ar Bill #		Received b	Received b	O MAN E	Received b					16	6	3/6)n) Tube # / Cartridge		In Ym K State NY	Email	inter 62	with all applicable in ordinances of any kir handling or shipping of harmless, defend, and kind, related to the co
1 10.6.4	Temp (°C)		y: (signature) Dat	y: (signature) Dat	47 2-12-1	y: (signature) Dat					t		0-10/6	Date of # Collection	P ₁	Zip / 10003 Pt	ŗ		ocal, State, Federal, nd. Air Toxics Limited , of these samples. Relin d indemnify Air Toxics L llection, handling, or sh
SOK	Condition		e/Time	e/Time	6	e/Time					alx wh	1815 0600	1600 1800	Start End Time Time	roject Name_ <u>k/</u> d	roject #_2001_5	0. #	roject Info:	national, and interna assumes no liability quishing signature als limited against any cluipping of samples. D.0
Yes	1 Custo	Notes:	Averag	Post-te	Iの X Pre-tes	Pump					N/A 0	720 7	720 7/	Duration	MAN WWT	285-16-02			ational laws, regulati with respect to the c so indicates agreemer aim, demand, or actio O.T. Hotline (800) 467-
s No / None	dy Seals Intact?		e Flow Rate:	st Flow Rate:	t Flow Rate:	Calibration Inform				-	alla	12.8	13.3 70-	Final Volume	P specify	CRush	XNormal	Turn Arou Time:	ollection, ollection, it to hold on, of any 4922.
1602238	Work Order #					mation					C		11 A Formaldahyde	Analysis Requested	(ultra internet	ma/ma		und Circle Reporting	FOLSOM, CA 95630 35-1000 FAX (916) 985-1020 Page /of

SORBENT SAMPLE COLLECTION



2/26/2016 Mr. Rhine Almonacy The Louis Berger Group, Inc. 412 Mount Kemble Avenue 5th Floor Morristown NJ 07960

Project Name: North River WWTP Project #: 2001.285.06.02 Workorder #: 1602376

Dear Mr. Rhine Almonacy

The following report includes the data for the above referenced project for sample(s) received on 2/19/2016 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-11A are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics Inc. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free the Project Manager: Ausha Scott at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Scott

Ausha Scott Project Manager

A Eurofins Lancaster Laboratories Company

180 Blue Ravine Road, Suite B Folsom, CA 95630



WORK ORDER #: 1602376

Work Order Summary

CLIENT:	Mr. Rhine Almonacy	BILL TO:	Accounts Payable
	The Louis Berger Group, Inc.		The Louis Berger Group, Inc.
	412 Mount Kemble Avenue		412 Mount Kemble Avenue
	5th Floor		5th Floor
	Morristown, NJ 07960		Morristown, NJ 07960
PHONE:	973-407-1000	P.O. #	2001285.06.02
FAX:		PROJECT #	2001.285.06.02 North River WWTP
DATE RECEIVED:	02/19/2016	CONTACT	Ausha Scott
DATE COMPLETED:	02/26/2016	contact.	Ausila Scott

FRACTION #	NAME	TEST
01A	Formaldehyde001-021616	Modified TO-11A
02A	Formaldehyde002-021616	Modified TO-11A
03A	Formaldehyde003-021616	Modified TO-11A
04A	Lab Blank	Modified TO-11A
05A	LCS	Modified TO-11A
05AA	LCSD	Modified TO-11A

CERTIFIED BY:

lau

DATE: <u>02/26/16</u>

Technical Director

Certification numbers: AZ Licensure AZ0775, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704343-14-7, UT NELAP CA009332014-5, VA NELAP - 460197, WA NELAP - C935 Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program) Accreditation number: CA300005, Effective date: 10/18/2014, Expiration date: 10/17/2015. Eurofins Air Toxics Inc.. certifies that the test results contained in this report meet all requirements of the NELAC standards

> This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, Inc. 180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630 (916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE Modified TO-11A The Louis Berger Group, Inc. Workorder# 1602376

Three TO-11 Cartridge samples were received on February 19, 2016. The laboratory performed analysis via modified Method TO-11A using reverse phase High Pressure Liquid Chromatography (HPLC) with an Ultraviolet (UV) Detector. The method involves eluting the sorbent tubes with acetonitrile using a gravity feed technique. Method modifications taken to run these samples include:

Requirement	TO-11A	ATL Modifications
ACN Purity Check	Contribution of analytes from ACN determined as described Sections 9.1.1 and 9.1.2 of Compendium TO-11A.	Total contribution of analytes from ACN and cartridge combined is determined.
Initial Calibration Curve (ICAL)	Multi-point using linear regression performed every 6 months; $r^2 > 0.999$	Multi-point using average Response Factor; % RSD = 10 %. Re-calibration if daily cal. fails, major maintenance, or column change. Linear regression is performed when requested.</td
Blank Subtraction	Average blank concentrations calculated. Blank value subtracted from sample result.	One Lab Blank is analyzed per batch; no blank subtraction performed on samples.

Receiving Notes

🛟 eurofins

A Temperature Blank was included with the shipment. Temperature was measured and was not within 4 ± 2 °C. Coolant in the form of blue ice was present. Analysis proceeded.

Analytical Notes

Sampling volume was supplied by the client. A sample volume of 713 L was used to report sample Formaldehyde003-021616 and the Laboratory Blank.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:

- B Compound present in laboratory blank greater than reporting limit.
- J Estimated value.
- E Exceeds instrument calibration range.
- S Saturated peak.
- Q Exceeds quality control limits.
- U Compound analyzed for but not detected above the detection limit.
- M Reported value may be biased due to apparent matrix interferences.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector



r1-File was requantified for the purpose of reissue



Summary of Detected Compounds AMBIENT AIR: EPA METHOD TO-11A HPLC

Client Sample ID: Formaldehyde001-021616

Lab ID#: 1602376-01A

Compound	Rpt. Limit	Rpt. Limit	Amount	Amount
	(ug)	(ug/m3)	(ug)	(ug/m3)
Formaldehyde	0.050	0.070	6.8	9.6

Client Sample ID: Formaldehyde002-021616

Lab ID#: 1602376-02A

Compound	Rpt. Limit	Rpt. Limit	Amount	Amount
Compound	(ug)	(ug/iii3)	(ug)	(ug/iii3)
Formaldehyde	0.050	0.070	4.2	5.9

Client Sample ID: Formaldehyde003-021616

Lab ID#: 1602376-03A

No Detections Were Found.



Air Toxics

Client Sample ID: Formaldehyde001-021616 Lab ID#: 1602376-01A AMBIENT AIR: EPA METHOD TO-11A HPLC

٦

File Name: Dil. Factor:	f0224038 1.00	Date Date Date	e of Collection: 2/1 e of Analysis: 2/25/ e of Extraction: 2/2	6/16 10:30:00 PM 16 03:50 AM 3/16
Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.070	6.8	9.6



Air Toxics

Client Sample ID: Formaldehyde002-021616 Lab ID#: 1602376-02A AMBIENT AIR: EPA METHOD TO-11A HPLC

٦

File Name: Dil. Factor:	f0224037 1.00	Date Date Date	e of Collection: 2/1 e of Analysis: 2/25/ e of Extraction: 2/2	6/16 10:45:00 AM 16 03:24 AM 3/16
Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.070	4.2	5.9



Air Toxics

Client Sample ID: Formaldehyde003-021616 Lab ID#: 1602376-03A AMBIENT AIR: EPA METHOD TO-11A HPLC

٦

File Name: Dil. Factor:	f0224036 1.00	Dat Dat Dat	e of Collection: 2/10 e of Analysis: 2/25/ e of Extraction: 2/23	6/16 16 02:58 AM 3/16
Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.070	Not Detected	Not Detected



Client Sample ID: Lab Blank Lab ID#: 1602376-04A AMBIENT AIR: EPA METHOD TO-11A HPLC File Name: f0224035 **Date of Collection: NA** Dil. Factor: Date of Analysis: 2/25/16 02:32 AM 1.00 Date of Extraction: 2/23/16 **Rpt.** Limit Rpt. Limit Amount Amount Compound (ug/m3) (ug) (ug/m3) (ug) Not Detected Formaldehyde 0.050 0.070 Not Detected

Air Sample Volume(L): 713 Container Type: NA - Not Applicable



Client Sample ID: LCS Lab ID#: 1602376-05A AMBIENT AIR: EPA METHOD TO-11A HPLC

File Name: Dil. Factor:	f0224033 1.00	Date of Collec Date of Analy Date of Extrac	ction: NA sis: 2/25/16 01:40 AM ction: 2/23/16
Compound		%Recovery	Method Limits
Formaldehyde		103	85-115

Air Sample Volume(L): 1.00 Container Type: NA - Not Applicable



I

Air Toxics

Client Sample ID: LCSD Lab ID#: 1602376-05AA AMBIENT AIR: EPA METHOD TO-11A HPLC

File Name: Dil. Factor:	f0224034 1.00	Date of Collec Date of Analys Date of Extrac	tion: NA sis: 2/25/16 02:06 AM tion: 2/23/16
Compound		%Recovery	Method Limits
Formaldehyde		100	85-115

Air Sample Volume(L): 1.00 Container Type: NA - Not Applicable

1602370	None	Yes No		SDR		2 2-01				Only Uno
Work Order #	i Intact?	Custody Seals		Condition		Temp (°C)		Ar Bill #	Shipper Name	5
		lotes:	z					يستعريني والمراجع وال	in a second s	
	ate:	verage Flow Ra	A		Date/Time	signature) [Received by: (Date/Time	d by: (signature)	Relinquishe
	Rate:	ost-test Flow F	9		Date/Time	(signature) [Received by:	Dáte/Time	d by: (signature)	Relinquishe
07	tion Informati ate:	¹ ump Calibrat re-test Flow Ra	020 P		Date/Time	(signature) [Received by:	Date/Time	d by: (signature)	Relinquishe
					/					
									a de la constante de la constan	
						K	ar men i vene an a fa balanti an			
			ţ,	2				1		
	ĸ	WA	NA	the	N/2	L	· · ·	663-22/6/6	Der Wyger A	460
		76.8	Ŕ	1045	22427			002-122/6/6	For maddelayel	CAC -
Conderal	13-11	7/3.3	726	2230	1030	alpite		314150-100	Englachyde	O/A 3
alysis Requested	An:	Final	Duration	End	Start Time	Date of Collection	Tube # / Cartridge #	le I.D. (Location)	Field Sampl	Lab LD.
ug/m³/mg/m³	specify	MUTP .	Alexon Ki	ame <u>Nat</u>	Project N			Fax (0	2-6/2-7951	Phone 1
	C Rush		5.06.02	200/26	Project #	CONV C	State VY Zi	A City KIRSYNIC	8/12/1/mww	Address 🅢
ppbv ppmv	Normal		a de la constante de la constan		P.O. #			Sol Email	1995/5/000	Company
Circle Reporting Units:	Turn Around Time:			nfo:	Project li	1		HIMBARCY	ager Khulle	Project Man Collected h
AVINE ROAD, SUITE B .SOM, CA 95630 000 FAX (916) 985-1020 Page/of/	180 BLUE F FOL (916) 985-1(d in compliance regulations and the collection, reement to hold or action, of any 0) 467-4922.	s being shipper ational laws, u with respect to po indicates and aim, demand, o D.T. Hotline (80	hat sample is and interna no liability v signature als signature als samples. D.0	t indicates tr al, national, ed assumes tellinquishing cs Limited ac cs Limited ac r shipping of	n this docurren n this docurren l, State, Feder Air Toxics Limit nese samples. R demnify Air Toxi tion, handling, o	ble Transporta lishing signature c li applicable loca nces of any kind. nces of any kind nces of any chind nces of any kind nces of any kind n	Samt Relinqu with a ordinar handlin harmle kind, re	OF-CUSTOD	CHAIN-

SORBENT SAMPLE COLLECTION



3/7/2016 Mr. Rhine Almonacy The Louis Berger Group, Inc. 412 Mount Kemble Avenue 5th Floor Morristown NJ 07960

Project Name: North River WWTP Project #: Workorder #: 1602469

Dear Mr. Rhine Almonacy

The following report includes the data for the above referenced project for sample(s) received on 2/25/2016 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-11A are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics Inc. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free the Project Manager: Ausha Scott at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Scott

Ausha Scott Project Manager

A Eurofins Lancaster Laboratories Company

180 Blue Ravine Road, Suite B Folsom, CA 95630



WORK ORDER #: 1602469

Work Order Summary

CLIENT:	Mr. Rhine Almonacy	BILL TO:	Accounts Payable
	The Louis Berger Group, Inc.		The Louis Berger Group, Inc.
	412 Mount Kemble Avenue		412 Mount Kemble Avenue
	5th Floor		5th Floor
	Morristown, NJ 07960		Morristown, NJ 07960
PHONE:	973-407-1000	P.O. #	2001285.06.02
FAX:		PROJECT #	North River WWTP
DATE RECEIVED:	02/25/2016	СОМТАСТ	Ausha Scott
DATE COMPLETED:	03/07/2016	comaci.	Ausia Scou

FRACTION #	NAME	TEST
01A	Formaldehyde01-022216	Modified TO-11A
02A	Formaldehyde02-022216	Modified TO-11A
03A	Formaldehyde03-022216	Modified TO-11A
04A	Lab Blank	Modified TO-11A
05A	LCS	Modified TO-11A
05AA	LCSD	Modified TO-11A

CERTIFIED BY:

layes

DATE: 03/07/16

Technical Director

Certification numbers: AZ Licensure AZ0775, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704343-14-7, UT NELAP CA009332014-5, VA NELAP - 460197, WA NELAP - C935 Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program) Accreditation number: CA300005, Effective date: 10/18/2014, Expiration date: 10/17/2015. Eurofins Air Toxics Inc.. certifies that the test results contained in this report meet all requirements of the NELAC standards

> This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, Inc. 180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630 (916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE Modified TO-11A The Louis Berger Group, Inc. Workorder# 1602469

Three TO-11 Cartridge samples were received on February 25, 2016. The laboratory performed analysis via modified Method TO-11A using reverse phase High Pressure Liquid Chromatography (HPLC) with an Ultraviolet (UV) Detector. The method involves eluting the sorbent tubes with acetonitrile using a gravity feed technique. Method modifications taken to run these samples include:

Requirement	TO-11A	ATL Modifications
ACN Purity Check	Contribution of analytes from ACN determined as described Sections 9.1.1 and 9.1.2 of Compendium TO-11A.	Total contribution of analytes from ACN and cartridge combined is determined.
Initial Calibration Curve (ICAL)	Multi-point using linear regression performed every 6 months; $r^2 > 0.999$	Multi-point using average Response Factor; % RSD = 10 %. Re-calibration if daily cal. fails, major maintenance, or column change. Linear regression is performed when requested.</td
Blank Subtraction	Average blank concentrations calculated. Blank value subtracted from sample result.	One Lab Blank is analyzed per batch; no blank subtraction performed on samples.

Receiving Notes

🛟 eurofins

Sample identification for sample Formaldehyde03-022216 was not provided on the Chain of Custody. The information on the sample tag was used to process and report the sample.

A Temperature Blank was included with the shipment. Temperature was measured and was not within 4 ± 2 °C. Coolant in the form of blue ice was present. Analysis proceeded.

Analytical Notes

Sampling volume was supplied by the client. A sample volume of 713 L was used to report sample Formaldehyde03-022216 and the Laboratory Blank.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:

- B Compound present in laboratory blank greater than reporting limit.
- J Estimated value.
- E Exceeds instrument calibration range.
- S Saturated peak.
- Q Exceeds quality control limits.
- U Compound analyzed for but not detected above the detection limit.
- M Reported value may be biased due to apparent matrix interferences.

File extensions may have been used on the data analysis sheets and indicates



as follows:

- a-File was requantified
- b-File was quantified by a second column and detector
- r1-File was requantified for the purpose of reissue



Summary of Detected Compounds AMBIENT AIR: EPA METHOD TO-11A HPLC

Client Sample ID: Formaldehyde01-022216

Lab ID#: 1602469-01A

Compound	Rpt. Limit	Rpt. Limit	Amount	Amount
	(ug)	(ug/m3)	(ug)	(ug/m3)
Formaldehyde	0.050	0.070	3.5	4.9

Client Sample ID: Formaldehyde02-022216

Lab ID#: 1602469-02A

	Rpt. Limit	Rpt. Limit	Amount	Amount
Compound	(ug)	(ug/m3)	(ug)	(ug/m3)
Formaldehyde	0.050	0.070	4.4	6.2

Client Sample ID: Formaldehyde03-022216

Lab ID#: 1602469-03A

No Detections Were Found.



Air Toxics

Client Sample ID: Formaldehyde01-022216 Lab ID#: 1602469-01A AMBIENT AIR: EPA METHOD TO-11A HPLC

٦

File Name: Dil. Factor:	f0303015 1.00	Date of Collection: 2/22/16 6:00:00 PM Date of Analysis: 3/3/16 03:44 PM Date of Extraction: 3/3/16		2/16 6:00:00 PM 6 03:44 PM /16
Compound	Rpt. Limit (ug)	Rpt. LimitAmountAmount(ug/m3)(ug)(ug/m3)		
Formaldehyde	0.050	0.070	3.5	4.9



Air Toxics

Client Sample ID: Formaldehyde02-022216 Lab ID#: 1602469-02A AMBIENT AIR: EPA METHOD TO-11A HPLC

٦

File Name: Dil. Factor:	f0303016 1.00	Date of Collection: 2/22/16 6:15:00 AM Date of Analysis: 3/3/16 04:09 PM		2/16 6:15:00 AM 6 04:09 PM /16
Compound	Rpt. Limit (ug)	Date of Extraction:3/3/16Rpt. LimitAmountAmount(ug/m3)(ug)(ug/m3)		
Formaldehyde	0.050	0.070	4.4	6.2



Air Toxics

Client Sample ID: Formaldehyde03-022216 Lab ID#: 1602469-03A AMBIENT AIR: EPA METHOD TO-11A HPLC

٦

File Name: Dil. Factor:	f0303014 1.00	Date of Collection: 2/22/16 Date of Analysis: 3/3/16 03:18 PM Date of Extraction: 3/3/16		2/16 6 03:18 PM /16
Compound	Rpt. Limit (ug)	Rpt. LimitAmountAmount(ug/m3)(ug)(ug/m3)		
Formaldehyde	0.050	0.070	Not Detected	Not Detected



Client Sample ID: Lab Blank Lab ID#: 1602469-04A AMBIENT AIR: EPA METHOD TO-11A HPLC File Name: f0303005 **Date of Collection: NA** Dil. Factor: Date of Analysis: 3/3/16 11:24 AM 1.00 Date of Extraction: 3/3/16 **Rpt.** Limit Rpt. Limit Amount Amount Compound (ug/m3) (ug) (ug/m3) (ug) Not Detected Formaldehyde 0.050 0.070 Not Detected

Air Sample Volume(L): 713 Container Type: NA - Not Applicable



Client Sample ID: LCS Lab ID#: 1602469-05A AMBIENT AIR: EPA METHOD TO-11A HPLC

File Name: Dil. Factor:	f0303003 1.00	Date of Collection: NA Date of Analysis: 3/3/16 10:32 AM Date of Extraction: 3/3/16	
Compound		%Recovery	Method Limits
Formaldehyde		98	85-115

Air Sample Volume(L): 1.00 Container Type: NA - Not Applicable


I

Air Toxics

Client Sample ID: LCSD Lab ID#: 1602469-05AA AMBIENT AIR: EPA METHOD TO-11A HPLC

File Name: Dil. Factor:	f0303004 1.00	Date of Collec Date of Analy: Date of Extrac	etion: NA sis: 3/3/16 10:58 AM etion: 3/3/16
Compound		%Recovery	Method Limits
Formaldehyde		99	85-115

**************************************	Non-statement of the second	separation of the second of the second s	n united you have defined by high Addition of the second second	versioners we make the state of	REPORTED A STREET FOR A STREET AND A STREET AND A	Not want by Antohological and Nor Nor New York and the Office of North North	OUT OF A DESCRIPTION OF A	n her de sen	nin ozna na mora na na konte na zama na konte na konte na zama na	
1602469	(None)	Yes No				<u>), bit</u>			WNS	Onv I
Work Order #	Intact?	Custody Seals		Condition		Temp (°C)		Air Bill #	Shipper Name	-
		otes:	Z		and the second					,
	ate:	verage Flow R	A		ate/Time	(signature) D	Received by:	Date/Time	hed by: (signature)	Relinquist
	Rate:	ost-test Flow F	q)ate/Time	(\$lgnature) D	Received by:	Date/Time	hed by: (signature)	Relinquist
	ate:	re-test Flow R	1030 PI	01-5	2-1	Y EATL	m m	124 1400	a R	
ion	tion Informat	ump Calibrat	× T	i.)ate/Time	(signature) D	Received by:	Date/Time	hed by: (signature)	Relinquist
			Ţ	/						
					/					
						/				
$\overline{\mathbf{A}}$			11	/ 0	V	10				
R		C/N	No	NA	ANA A	FU2-			-	93A
		7/2 8-	0ff	Ders-	No.			1002-0122/6	To (maller	460
Freddisclo	-1/A	713.3	720-	1000	200	A/cc/co		6/ -0222/6	Formal Childe	CAA
alysis Requested	Ar	Final Volume	Duration がん	End	Start Time	Date of Collection	Tube # / Cartridge #	le I.D. (Location)	Field Samp	Lab I.D.
	specify	(W) //	hling-n	ame Navala	Project Na			Fax		Phone
no/m3 ma/m3	C Rush	>			Project #	1000j	<u>∠Stat∳() y</u> Zi	Infficity Naw 7 out	PRWell A 16	Address 4
vudd Aqd	Normal	Netwood Party of the Party of t			P.O. #			GOL Email	Lowis Berk	Company_
Circle Reporting Units:	Turn Around Time:	7		nfo:	Project li		Ŕ	HIMONACY	anager_ <u></u> by: (Print and Sign)	Project Ma Collected
RAVINE ROAD, SUITE B LSOM, CA 95630 000 FAX (916) 985-1020 Page / of /	180 BLUE FOI (916) 985-1	d in compliance regulations and the collection, reement to hold yr action, of any 0) 467-4922.	being shipped attional laws, r with respect to o indicates agr atm, demand, o J.T. Hotline (800)	lat sample is and interna no liability v signature als alinst any cla samples. D.C	Indicates th al, national, ad assumes alinquishing a s Limited ag shipping of a	ation Notice on this document a), State, Federa Air Toxics Limite hese samples. Re demnify Air Toxic tion, handling, or	pie Transport uishing signature c uishing signature c uishing signature c rces of any kind. rg or shipping of the ss, defend, and ind vated to the collect	Sam Relinq with a ordinat handlir harmie kind, re	POF-CUSTOF	CHAIN
								OLLECTION	ENT SAMPLE CO	SORBI



3/12/2016 Mr. Rhine Almonacy The Louis Berger Group, Inc. 412 Mount Kemble Avenue 5th Floor Morristown NJ 07960

Project Name: North River WWTP Project #: Workorder #: 1603011

Dear Mr. Rhine Almonacy

The following report includes the data for the above referenced project for sample(s) received on 3/1/2016 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-11A are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics Inc. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free the Project Manager: Ausha Scott at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Scott

Ausha Scott Project Manager

A Eurofins Lancaster Laboratories Company

180 Blue Ravine Road, Suite B Folsom, CA 95630



WORK ORDER #: 1603011

Work Order Summary

CLIENT:	Mr. Rhine Almonacy	BILL TO:	Accounts Payable
	The Louis Berger Group, Inc.		The Louis Berger Group, Inc.
	412 Mount Kemble Avenue		412 Mount Kemble Avenue
	5th Floor		5th Floor
	Morristown, NJ 07960		Morristown, NJ 07960
PHONE:	973-407-1000	P.O. #	2001285.06.02
FAX:		PROJECT #	North River WWTP
DATE RECEIVED:	03/01/2016	CONTACT	Ausha Scott
DATE COMPLETED:	03/12/2016	contact.	Ausila Scott

FRACTION #	NAME	TEST
01A	Formaldehyde001-022816	Modified TO-11A
02A	Formaldehyde002-022816	Modified TO-11A
03A	Lab Blank	Modified TO-11A
04A	LCS	Modified TO-11A
04AA	LCSD	Modified TO-11A

CERTIFIED BY:

lau

DATE: <u>03/12/16</u>

Technical Director

Certification numbers: AZ Licensure AZ0775, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704343-14-7, UT NELAP CA009332014-5, VA NELAP - 460197, WA NELAP - C935 Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program) Accreditation number: CA300005, Effective date: 10/18/2014, Expiration date: 10/17/2015. Eurofins Air Toxics Inc.. certifies that the test results contained in this report meet all requirements of the NELAC standards

> This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, Inc. 180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630 (916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE Modified TO-11A The Louis Berger Group, Inc. Workorder# 1603011

Two TO-11 Cartridge samples were received on March 01, 2016. The laboratory performed analysis via modified Method TO-11A using reverse phase High Pressure Liquid Chromatography (HPLC) with an Ultraviolet (UV) Detector. The method involves eluting the sorbent tubes with acetonitrile using a gravity feed technique. Method modifications taken to run these samples include:

Requirement	TO-11A	ATL Modifications
ACN Purity Check	Contribution of analytes from ACN determined as described Sections 9.1.1 and 9.1.2 of Compendium TO-11A.	Total contribution of analytes from ACN and cartridge combined is determined.
Initial Calibration Curve (ICAL)	Multi-point using linear regression performed every 6 months; $r^2 > 0.999$	Multi-point using average Response Factor; % RSD = 10 %. Re-calibration if daily cal. fails, major maintenance, or column change. Linear regression is performed when requested.</td
Blank Subtraction	Average blank concentrations calculated. Blank value subtracted from sample result.	One Lab Blank is analyzed per batch; no blank subtraction performed on samples.

Receiving Notes

🛟 eurofins

A Temperature Blank was included with the shipment. Temperature was measured and was not within 4 ± 2 °C. Coolant in the form of blue ice was present. Analysis proceeded.

Analytical Notes

Sampling volume was supplied by the client. A sample volume of 1420 L was used to report sample Formaldehyde002-022816 and the Laboratory Blank.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:

- B Compound present in laboratory blank greater than reporting limit.
- J Estimated value.
- E Exceeds instrument calibration range.
- S Saturated peak.
- Q Exceeds quality control limits.
- U Compound analyzed for but not detected above the detection limit.
- M Reported value may be biased due to apparent matrix interferences.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector



r1-File was requantified for the purpose of reissue



Summary of Detected Compounds AMBIENT AIR: EPA METHOD TO-11A HPLC

Client Sample ID: Formaldehyde001-022816

Lab ID#: 1603011-01A No Detections Were Found.

Client Sample ID: Formaldehyde002-022816

Lab ID#: 1603011-02A

Compound	Rpt. Limit	Rpt. Limit	Amount	Amount (ug/m3)
Formaldehyde	0.050	0.035	21	15



Air Toxics

Client Sample ID: Formaldehyde001-022816 Lab ID#: 1603011-01A AMBIENT AIR: EPA METHOD TO-11A HPLC

٦

File Name: Dil. Factor:	f0303013 1.00	Dat Dat	e of Collection: 2/28 e of Analysis: 3/3/10	8/16 6:00:00 AM 6 02:52 PM
		Dat	e of Extraction: 3/3/	/16
	Rpt. Limit	Rpt. Limit	Amount	Amount
Compound	(ug)	(ug/m3)	(ug)	(ug/m3)
Formaldehyde	0.050	0.035	Not Detected	Not Detected

Air Sample Volume(L): 1420 Container Type: TO-11 Cartridge



Air Toxics

Client Sample ID: Formaldehyde002-022816 Lab ID#: 1603011-02A AMBIENT AIR: EPA METHOD TO-11A HPLC

٦

File Name: Dil. Factor:	f0303017 1.00	Date Date Date	e of Collection: 2/2 e of Analysis: 3/3/1 e of Extraction: 3/3	8/16 6 04:35 PM /16
Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.035	21	15

Air Sample Volume(L): 1420 Container Type: TO-11 Cartridge



Client Sample ID: Lab Blank Lab ID#: 1603011-03A AMBIENT AIR: EPA METHOD TO-11A HPLC File Name: f0303005 **Date of Collection: NA** Dil. Factor: Date of Analysis: 3/3/16 11:24 AM 1.00 Date of Extraction: 3/3/16 Rpt. Limit Amount **Rpt.** Limit Amount Compound (ug/m3) (ug) (ug/m3) (ug) Not Detected Formaldehyde 0.050 0.035 Not Detected



I

Air Toxics

Client Sample ID: LCS Lab ID#: 1603011-04A AMBIENT AIR: EPA METHOD TO-11A HPLC

File Name: Dil. Factor:	f0303003 1.00	Date of Collec Date of Analys Date of Extrac	ction: NA sis: 3/3/16 10:32 AM ction: 3/3/16
Compound		%Recovery	Method Limits
Formaldehyde		98	85-115



I

Air Toxics

Client Sample ID: LCSD Lab ID#: 1603011-04AA AMBIENT AIR: EPA METHOD TO-11A HPLC

File Name: Dil. Factor:	f0303004 1.00	Date of Collect Date of Analys Date of Extrac	tion: NA is: 3/3/16 10:58 AM tion: 3/3/16
Compound		%Recovery	Method Limits
Formaldehyde		99	85-115

					The second s	NUMBER OF STREET, ST	A Service of Landson Annual Service of Management of Control of Service of Control of Service of Control of Service of Control of Service of Se	n na na mana na		
1603011	Mone	Yes No		Na	i CA	14,400			500	Onk
Work Order #	Intact?	Custody Seals		Condition		Temp (°C)		Air Bill #	Shipper Name	Lap.
		lotes:	Z							
	late:	verage Flow R	A		ate/Time	(signature) D	Received by: I	Date/Time	ished by: (signature)	Relinqui
	Rate:	ost-test Flow I	P)ate/Time	(sígnature) E	Received by:	Date/Time	íshed by: (signature)	Relingti
	ate:	re-test Flow R	950 P	91-	1-5-1	UN EAI	1 201	2/24/16/660		R
ŷ	tion Informat	ump Calibrat	ס	e 2)ate/Time	(signature) L	Received by;	Date/Time	ished by: (signature)	Relinqui
							ana da ana ana ana ana ana ana ana ana a			
	e		•				•			
		(all .		7					
		N/H	N/M-	Kith	2/A-	5		1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Isrnal Lohy	460
& Formaldely de	111-01	14256	1440	0600	0600	3/28/16		2001-022816	Formaldelity	6/A
alysis Requested	An	Final Volume	Duration	End	Start Time	Date of Collection	Tube # / Cartridge #	ple I.D. (Location)	D. Field Samp	Lab I.C
	specify	MUWTP	the form	зте <i>ұУД</i> д	Project Na			1267_Fax_(1-810-526	Phone
ua/m3) ma/m3	C Rush			14100 - 14100 A.L., P	Project #_	00005	_State 24 Zi	"D City when Youl	48WallSt. 160	Address
ppbv ppmv					P.O. #		2000	GEC Email	N LOUGBER	Compan
Units	Time:			4		Ж)	S 12	Que Amonas	d by: (Print and Sign)	Collecter
Circle Reporting	Turn Around			nto:	Proiect Ir			e Almonacy	Manager Kht M	Project N
AVINE ROAD, SUITE B .SOM, CA 95630 000 FAX (916) 985-1020 Page of	180 BLUE FOI (916) 985-1	d in compliance egulations and the collection, reement to hold r action, of any 0) 467-4922.	; being shipped thornal laws, in with respect to o Indicates agr lifm, demand, o).T. Hotline (800	lat sample is and interna no liability w signature also alnst any cla samples. D.C	indicates th l, national, nd assumes slinguishing s s Limited ag shipping of s	yn this document yn this document II, State, Federa Air Toxics Limite nese samples. Re demnify Air Toxic tion, handling, or	pie Transport uishing signature c ui applicable loca nces of any kind. ng or shipping of th ss, defend, and inc stated to the collect	Sam Relinque with a ordinar handlir by RECORD kind, re	N-OF-CUSTO	CHAI
								OLLECTION	BENT SAMPLE CO	SORE



4/18/2016 Mr. Rhine Almonacy The Louis Berger Group, Inc. 412 Mount Kemble Avenue 5th Floor Morristown NJ 07960

Project Name: North River WWTP Project #: 2001285.06.02 Workorder #: 1603127

Dear Mr. Rhine Almonacy

The following report includes the data for the above referenced project for sample(s) received on 3/8/2016 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-11A are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics Inc. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free the Project Manager: Ausha Scott at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Scott

Ausha Scott Project Manager

A Eurofins Lancaster Laboratories Company

180 Blue Ravine Road, Suite B Folsom, CA 95630



WORK ORDER #: 1603127

Work Order Summary

CLIENT:	Mr. Rhine Almonacy	BILL TO:	Accounts Payable
	The Louis Berger Group, Inc.		The Louis Berger Group, Inc.
	412 Mount Kemble Avenue		412 Mount Kemble Avenue
	5th Floor		5th Floor
	Morristown, NJ 07960		Morristown, NJ 07960
PHONE:	973-407-1000	P.O. #	2001285.06.02
FAX:		PROJECT #	2001285.06.02 North River WWTP
DATE RECEIVED:	03/08/2016	CONTACT	Ausha Scott
DATE COMPLETED:	04/04/2016	contact.	Ausila Scott

FRACTION #	NAME	TEST
01A	Formaldehyde001-030516	Modified TO-11A
02A	Formaldehyde002-030516	Modified TO-11A
03A	Lab Blank	Modified TO-11A
04A	LCS	Modified TO-11A
04AA	LCSD	Modified TO-11A

CERTIFIED BY:

lau

DATE: <u>04/04/16</u>

Technical Director

Certification numbers: AZ Licensure AZ0775, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-15-9, UT NELAP CA0093332015-6, VA NELAP - 8113, WA NELAP - C935 Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program) Accreditation number: CA300005, Effective date: 10/18/2015, Expiration date: 10/17/2016. Eurofins Air Toxics Inc.. certifies that the test results contained in this report meet all requirements of the NELAC standards

> This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, Inc. 180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630 (916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE Modified TO-11A The Louis Berger Group, Inc. Workorder# 1603127

Two TO-11 Cartridge samples were received on March 08, 2016. The laboratory performed analysis via modified Method TO-11A using reverse phase High Pressure Liquid Chromatography (HPLC) with an Ultraviolet (UV) Detector. The method involves eluting the sorbent tubes with acetonitrile using a gravity feed technique. Method modifications taken to run these samples include:

Requirement	TO-11A	ATL Modifications
ACN Purity Check	Contribution of analytes from ACN determined as described Sections 9.1.1 and 9.1.2 of Compendium TO-11A.	Total contribution of analytes from ACN and cartridge combined is determined.
Initial Calibration Curve (ICAL)	Multi-point using linear regression performed every 6 months; $r^2 > 0.999$	Multi-point using average Response Factor; % RSD = 10 %. Re-calibration if daily cal. fails, major maintenance, or column change. Linear regression is performed when requested.</td
Blank Subtraction	Average blank concentrations calculated. Blank value subtracted from sample result.	One Lab Blank is analyzed per batch; no blank subtraction performed on samples.

Receiving Notes

🛟 eurofins

A Temperature Blank was included with the shipment. Temperature was measured and was not within 4 ± 2 °C. Coolant in the form of blue ice was present. Analysis proceeded.

Analytical Notes

Sampling volume was supplied by the client. A sample volume of 1420 L was used to report sample Formaldehyde002-030516 and the Laboratory Blank.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:

- B Compound present in laboratory blank greater than reporting limit.
- J Estimated value.
- E Exceeds instrument calibration range.
- S Saturated peak.
- Q Exceeds quality control limits.
- U Compound analyzed for but not detected above the detection limit.
- M Reported value may be biased due to apparent matrix interferences.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector



r1-File was requantified for the purpose of reissue



Summary of Detected Compounds AMBIENT AIR: EPA METHOD TO-11A HPLC

Client Sample ID: Formaldehyde001-030516

Lab ID#: 1603127-01A

Compound	Rpt. Limit	Rpt. Limit	Amount	Amount
	(ug)	(ug/m3)	(ug)	(ug/m3)
Formaldehyde	0.050	0.035	7.0	4.9

Client Sample ID: Formaldehyde002-030516

Lab ID#: 1603127-02A No Detections Were Found.



Air Toxics

Client Sample ID: Formaldehyde001-030516 Lab ID#: 1603127-01A AMBIENT AIR: EPA METHOD TO-11A HPLC

٦

File Name: Dil. Factor:	f0325007 1.00	Date Date	e of Collection: 3/5/ e of Analysis: 3/25/	/16 6:00:00 AM 16 04:08 PM		
		Date	e of Extraction: 3/1	8/16		
	Rpt. Limit	Rpt. Limit Amount Amount				
Compound	(ug)	(ug/m3) (ug) (ug/m3)				
Formaldehyde	0.050	0.035	7.0	4.9		

Air Sample Volume(L): 1420 Container Type: TO-11 Cartridge



Air Toxics

Client Sample ID: Formaldehyde002-030516 Lab ID#: 1603127-02A AMBIENT AIR: EPA METHOD TO-11A HPLC

٦

File Name: Dil. Factor:	f0325006 1.00	Dat Dat	e of Collection: 3/5/ e of Analysis: 3/25/	16 16 03:42 PM		
		Dat	e of Extraction: 3/18	8/16		
	Rpt. Limit	Rpt. Limit Amount Amount				
Compound	(ug)	(ug/m3) (ug) (ug/m3)				
Formaldehyde	0.050	0.035	Not Detected	Not Detected		

Air Sample Volume(L): 1420 Container Type: TO-11 Cartridge



Client Sample ID: Lab Blank Lab ID#: 1603127-03A AMBIENT AIR: EPA METHOD TO-11A HPLC File Name: f0325005 **Date of Collection: NA** Dil. Factor: Date of Analysis: 3/25/16 03:16 PM 1.00 Date of Extraction: 3/18/16 Rpt. Limit Amount **Rpt.** Limit Amount Compound (ug/m3) (ug) (ug/m3) (ug)

0.035

Not Detected

Not Detected

Formaldehyde 0.050



I

Air Toxics

Client Sample ID: LCS Lab ID#: 1603127-04A AMBIENT AIR: EPA METHOD TO-11A HPLC

File Name: Dil. Factor:	f0325003 1.00	Date of Collec Date of Analy Date of Extrac	ction: NA sis: 3/25/16 02:24 PM ction: 3/18/16
Compound		%Recovery	Method Limits
Formaldehyde		100	85-115



Client Sample ID: LCSD Lab ID#: 1603127-04AA AMBIENT AIR: EPA METHOD TO-11A HPLC

File Name: Dil. Factor:	f0325004 1.00	Date of Colle Date of Analy Date of Extra	ction: NA /sis: 3/25/16 02:50 PM /ction: 3/18/16
Compound		%Recovery	Method Limits
Formaldehyde		101	85-115

	(None))	Yes No		P Z		14 6			C.L.M	Only
Work Order #	Is Intact?	Custody Sea		Conditio		Temp (°C)		Ar Bll #	Shipper Name	Teb T
		lotes:								
	Rate:	verage Flow)ate/Time	(signature) [Received by:	Date/Time	ed by: (signature)	Relinquish
	/ Rate:	ost-test Flow	0)ate/Time	(signature) [Received by:	Dáte/Time	éd by: (signature)	Relinquist
	Rate:	re-test Flow	1025 P	11-8-16	TL 3	~ V KA	IN W	3/17/16 1700		- la c
Ition	ation Informa	ump Callbr	70)ate/Time	(sigņature) [Received by:	Date/Time	ed by: (signature)	Relinquish
					/	/				
	ł									
L.								verheide Verheide Verheide Auf verheide Verheide Verheide Verheide Verheide Verheide Verheide Verheide Verheide		
						and the second				
	re da de ser de la contra de la c									
	F			Λ.	14	1.		7		
		10/10-	1/2	NIL	Mp	N/N		A 05 - 5387/6	Frimildly	SA A
Jachydoro-11A	1 Farma	1425.1	1440	0600	0600	123/05/16		6001-03DS16	Formaldo luta	6/A
Inalysis Requested		Final	Duration New	End	Start Time	Date of Collection	Tube # / Cartridge #	le I.D. (Location)	Field Samp	Lab I.D;
	specify	WTK	M Cra W	ame Max	Project N			Fax	12-612-795	Phone 🚽
Aug/m ³ mg/m ³	D Rush	2	185.06.0	20012	Project #	10005	<u> _</u> State <u>∕∿</u>	1 City New York	18 Wallst . 14	Address <u>//</u>
ppbv ppmv	Normal			k	P.O. #			26 CX Email	LOUIS BE	Company
	Time:			ģ		\mathbb{N}	r A	Chein almondo	y: (Print and Sign)	Collected b
1 Circle Renortino	τινη Δγοιης		1013-1-01400370003009574-0-1-0-0725-0726725227578-0-1-0	nfo.	Prniect I		4	e Almona cos	nader (U)	Project Mar
RAVINE ROAD, SUITE B DLSOM, CA 95630 Page / of /	(916) 985-	d in compliance regulations and the collection reement to hold ar action, of any 0) 467-4922.	s being shipped ational laws, r with respect to so indicates agr aim, demand, c O.T. Hotline (80)	hat sample in and intern no liability signature als painst any ol samples. D.	indicates th indicates th d assumes alinquishing s Limited ag shipping of	n this document n this document I. State, Federa Air Toxics Limite rese samples. Re demnify Air Toxic tion, handling, or	ble Transporta lishing signature o ll applicable loca loces of any kind. loces of any kind. g or shipping of the ss, defend, and inc ss, defend, and inc	Same Relinque with a ordinar handlin harmlee kind, re	OF-CUSTOF	CHAIN-

SORBENT SAMPLE COLLECTION



4/18/2016 Mr. Rhine Almonacy The Louis Berger Group, Inc. 412 Mount Kemble Avenue 5th Floor Morristown NJ 07960

Project Name: North River WWTP Project #: 2001.285.06.02 Workorder #: 1603277

Dear Mr. Rhine Almonacy

The following report includes the data for the above referenced project for sample(s) received on 3/15/2016 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-11A are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics Inc. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free the Project Manager: Ausha Scott at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Scott

Ausha Scott Project Manager

A Eurofins Lancaster Laboratories Company

180 Blue Ravine Road, Suite B Folsom, CA 95630



WORK ORDER #: 1603277

Work Order Summary

CLIENT:	Mr. Rhine Almonacy	BILL TO:	Accounts Payable
	The Louis Berger Group, Inc.		The Louis Berger Group, Inc.
	412 Mount Kemble Avenue		412 Mount Kemble Avenue
	5th Floor		5th Floor
	Morristown, NJ 07960		Morristown, NJ 07960
PHONE:	973-407-1000	P.O. #	2001285.06.02
FAX:		PROJECT #	2001.285.06.02 North River WWTP
DATE RECEIVED:	03/15/2016	CONTACT	Ausha Scott
DATE COMPLETED:	04/05/2016	contact.	Ausila Scott

FRACTION #	NAME	TEST
01A	Formaldehyde001-031116	Modified TO-11A
02A	Formaldehyde002-031116	Modified TO-11A
03A	Formaldehyde003-031116	Modified TO-11A
04A	Lab Blank	Modified TO-11A
05A	LCS	Modified TO-11A
05AA	LCSD	Modified TO-11A

CERTIFIED BY:

layes

DATE: <u>04/05/16</u>

Technical Director

Certification numbers: AZ Licensure AZ0775, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-15-9, UT NELAP CA0093332015-6, VA NELAP - 8113, WA NELAP - C935 Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program) Accreditation number: CA300005, Effective date: 10/18/2015, Expiration date: 10/17/2016. Eurofins Air Toxics Inc.. certifies that the test results contained in this report meet all requirements of the NELAC standards

> This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, Inc. 180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630 (916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

> > Page 2 of 11

LABORATORY NARRATIVE Modified TO-11A The Louis Berger Group, Inc. Workorder# 1603277

Three TO-11 Cartridge samples were received on March 15, 2016. The laboratory performed analysis via modified Method TO-11A using reverse phase High Pressure Liquid Chromatography (HPLC) with an Ultraviolet (UV) Detector. The method involves eluting the sorbent tubes with acetonitrile using a gravity feed technique. Method modifications taken to run these samples include:

Requirement	TO-11A	ATL Modifications
ACN Purity Check	Contribution of analytes from ACN determined as described Sections 9.1.1 and 9.1.2 of Compendium TO-11A.	Total contribution of analytes from ACN and cartridge combined is determined.
Initial Calibration Curve (ICAL)	Multi-point using linear regression performed every 6 months; $r^2 > 0.999$	Multi-point using average Response Factor; % RSD = 10 %. Re-calibration if daily cal. fails, major maintenance, or column change. Linear regression is performed when requested.</td
Blank Subtraction	Average blank concentrations calculated. Blank value subtracted from sample result.	One Lab Blank is analyzed per batch; no blank subtraction performed on samples.

Receiving Notes

🛟 eurofins

A Temperature Blank was included with the shipment. Temperature was measured and was not within 4 ± 2 °C. Coolant in the form of blue ice was present. Analysis proceeded.

Analytical Notes

Sampling volume was supplied by the client. A sample volume of 713 L was used to report sample Formaldehyde003-031116 and the Laboratory Blank.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:

- B Compound present in laboratory blank greater than reporting limit.
- J Estimated value.
- E Exceeds instrument calibration range.
- S Saturated peak.
- Q Exceeds quality control limits.
- U Compound analyzed for but not detected above the detection limit.
- M Reported value may be biased due to apparent matrix interferences.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector



r1-File was requantified for the purpose of reissue



Summary of Detected Compounds AMBIENT AIR: EPA METHOD TO-11A HPLC

Client Sample ID: Formaldehyde001-031116

Lab ID#: 1603277-01A

Compound	Rpt. Limit	Rpt. Limit	Amount	Amount
	(ug)	(ug/m3)	(ug)	(ug/m3)
Formaldehyde	0.050	0.070	11	15

Client Sample ID: Formaldehyde002-031116

Lab ID#: 1603277-02A

Compound	(ug)	Kpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.070	6.7	9.4

Client Sample ID: Formaldehyde003-031116

Lab ID#: 1603277-03A

No Detections Were Found.



Air Toxics

Client Sample ID: Formaldehyde001-031116 Lab ID#: 1603277-01A AMBIENT AIR: EPA METHOD TO-11A HPLC

٦

File Name: Dil. Factor:	f0325011 1.00	Date Date	e of Collection: 3/1 e of Analysis: 3/25/	1/16 11:30:00 PM 16 05:51 PM 8/16
Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.070	11	15

Air Sample Volume(L): 713 Container Type: TO-11 Cartridge



Air Toxics

Client Sample ID: Formaldehyde002-031116 Lab ID#: 1603277-02A AMBIENT AIR: EPA METHOD TO-11A HPLC

٦

File Name: Dil. Factor:	f0325012 1.00	Date Date Date	e of Collection: 3/1 e of Analysis: 3/25/ e of Extraction: 3/1	1/16 11:45:00 AM 16 06:17 PM 8/16
Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.070	6.7	9.4

Air Sample Volume(L): 713 Container Type: TO-11 Cartridge



Air Toxics

Client Sample ID: Formaldehyde003-031116 Lab ID#: 1603277-03A AMBIENT AIR: EPA METHOD TO-11A HPLC

٦

File Name: Dil. Factor:	f0325013 1.00	Dat Dat Dat	e of Collection: NA e of Analysis: 3/25/ [,] e of Extraction: 3/18	16 06:43 PM 8/16
Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.070	Not Detected	Not Detected

Air Sample Volume(L): 713 Container Type: TO-11 Cartridge



Client Sample ID: Lab Blank Lab ID#: 1603277-04A AMBIENT AIR: EPA METHOD TO-11A HPLC File Name: f0325005 **Date of Collection: NA** Dil. Factor: Date of Analysis: 3/25/16 03:16 PM 1.00 Date of Extraction: 3/18/16 **Rpt.** Limit Rpt. Limit Amount Amount Compound (ug/m3) (ug) (ug/m3) (ug) Not Detected Formaldehyde 0.050 0.070 Not Detected



Client Sample ID: LCS Lab ID#: 1603277-05A AMBIENT AIR: EPA METHOD TO-11A HPLC

File Name: Dil. Factor:	f0325003 1.00	Date of Collec Date of Analy Date of Extrac	ction: NA sis: 3/25/16 02:24 PM ction: 3/18/16
Compound		%Recovery	Method Limits
Formaldehyde		100	85-115



Client Sample ID: LCSD Lab ID#: 1603277-05AA AMBIENT AIR: EPA METHOD TO-11A HPLC

File Name: Dil. Factor:	f0325004 1.00	Date of Collec Date of Analy Date of Extrac	ction: NA sis: 3/25/16 02:50 PM ction: 3/18/16
Compound		%Recovery	Method Limits
Formaldehyde		101	85-115

1003277	None	Tes No		1 T		~h~cl		M Z	Only
Work Order #	s intact/	Custody Seals							Lab Subber
									2
		ntee'	z			(Signature) - E			
	late:	verage Flow R	A		hata/Time	(einnatura) D	Received hv:	inature) Date/Time	Relinnuished hv. (si
	Rate:	ost-test Flow I	0		ate/Time	(signature) D	Received by:	ignature) Daté/Time	Relinquished by: (si
	late:	re-test Flow R	al Off	la	15-16	72 3	Bern EA	3/14/16 1500	S
Ō	tion Informati	ump Calibra	q)ate/Time	(signature) D	Received by:	ignature) Dạte/Ţime	Relinquished by: (si
: /							6		1
						X			
	K								
		/							
				6.		. 1.			-
K		4/12	MA	all-	alla	MA		allohyde 603-631116	COA From
		7/2.9	720	145	2345	Ú.		allohy le 002-631116	034 Farm.
formallehred	Toria	713.2	720	2330	08/1	03/11/16		Sallydeast-03/116	O/A Bronn
alysis Requested	A	Final Vojume	Duration	End	Start Time	Date of Collection	Tube # / Cartridge #	ield Sample I.D. (Location)	а 5 7
	specify	UWTP	MRCX42-W	ameAlaru	Project Na			2-795/ Fax	Phone 212-6/2
Anna ma/m3	C Rush		285.06.1	2001,0	Project #_	0/1005		11 St House City Naw Yards	Address A & Wal
ppbv ppmv	D Normal				P.O. #	Ĭ		5 BERGER Email	Company ADUI
Circle Reporting Units:	Turn Around Time:			fo:	Project Ir		N N	Khine Hunoyac	Project Manager
RAVINE ROAD, SUITE B _SOM, CA 95630 000 FAX (916) 985-1020 Page of	180 BLUE FOI (916) 985-1	d in compliance egulations and the collection, reement to hold retion, of any o) 467-4922.	being shipped titional laws, r vith respect to o indicates ag uim, demane, ag D.T. Hotline (80	at sample is and interna no liability w signature alse ainst any cla aamples. D.C	indicates th l, national, ad assumes slinguishing s s Limited ag shipping of s	ation Notice on this document u, State, Federa Air Toxics Limite hese samples. Re demnify Air Toxic tion, handling, or	ble Transporta ulishing signature cu in applicable toca nces of any kind. ng or shipping of th ng drend, and in ss, defend, and in slated to the collect	XICS LTD, Nandir USTODY RECORD kind, re	CHAIN-OF-C

SORBENT SAMPLE COLLECTION


4/18/2016 Mr. Rhine Almonacy The Louis Berger Group, Inc. 412 Mount Kemble Avenue 5th Floor Morristown NJ 07960

Project Name: North River WWTP Project #: Workorder #: 1603387

Dear Mr. Rhine Almonacy

The following report includes the data for the above referenced project for sample(s) received on 3/21/2016 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-11A are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics Inc. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free the Project Manager: Ausha Scott at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Scott

Ausha Scott Project Manager

A Eurofins Lancaster Laboratories Company

180 Blue Ravine Road, Suite B Folsom, CA 95630



WORK ORDER #: 1603387

Work Order Summary

CLIENT:	Mr. Rhine Almonacy	BILL TO:	Accounts Payable
	The Louis Berger Group, Inc.		The Louis Berger Group, Inc.
	412 Mount Kemble Avenue		412 Mount Kemble Avenue
	5th Floor		5th Floor
	Morristown, NJ 07960		Morristown, NJ 07960
PHONE:	973-407-1000	P.O. #	2001285.06.02
FAX:		PROJECT #	North River WWTP
DATE RECEIVED:	03/21/2016	CONTACT	Aucha Scott
DATE COMPLETED:	04/12/2016	COMIACI.	Ausia Scou

FRACTION #	NAME	<u>TEST</u>
01A	Formaldehyde-001-031716	Modified TO-11A
02A	Formaldehyde-002-031716	Modified TO-11A
03A	Formaldehyde-003-031716	Modified TO-11A
04A	Lab Blank	Modified TO-11A
05A	LCS	Modified TO-11A
05AA	LCSD	Modified TO-11A

CERTIFIED BY:

lau

DATE: <u>04/12/16</u>

Technical Director

Certification numbers: AZ Licensure AZ0775, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-15-9, UT NELAP CA0093332015-6, VA NELAP - 8113, WA NELAP - C935 Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program) Accreditation number: CA300005, Effective date: 10/18/2015, Expiration date: 10/17/2016. Eurofins Air Toxics Inc.. certifies that the test results contained in this report meet all requirements of the NELAC standards

> This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, Inc. 180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630 (916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE Modified TO-11A The Louis Berger Group, Inc. Workorder# 1603387

Three TO-11 Cartridge samples were received on March 21, 2016. The laboratory performed analysis via modified Method TO-11A using reverse phase High Pressure Liquid Chromatography (HPLC) with an Ultraviolet (UV) Detector. The method involves eluting the sorbent tubes with acetonitrile using a gravity feed technique. Method modifications taken to run these samples include:

Requirement	TO-11A	ATL Modifications
ACN Purity Check	Contribution of analytes from ACN determined as described Sections 9.1.1 and 9.1.2 of Compendium TO-11A.	Total contribution of analytes from ACN and cartridge combined is determined.
Initial Calibration Curve (ICAL)	Multi-point using linear regression performed every 6 months; $r^2 > 0.999$	Multi-point using average Response Factor; % RSD = 10 %. Re-calibration if daily cal. fails, major maintenance, or column change. Linear regression is performed when requested.</td
Blank Subtraction	Average blank concentrations calculated. Blank value subtracted from sample result.	One Lab Blank is analyzed per batch; no blank subtraction performed on samples.

Receiving Notes

🛟 eurofins

A Temperature Blank was included with the shipment. Temperature was measured and was not within 4 ± 2 °C. Coolant in the form of blue ice was present. Analysis proceeded.

Analytical Notes

Sampling volume was supplied by the client. A sample volume of 713 L was used to report sample Formaldehyde-003-031716 and the Laboratory Blank.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:

- B Compound present in laboratory blank greater than reporting limit.
- J Estimated value.
- E Exceeds instrument calibration range.
- S Saturated peak.
- Q Exceeds quality control limits.
- U Compound analyzed for but not detected above the detection limit.
- M Reported value may be biased due to apparent matrix interferences.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector



r1-File was requantified for the purpose of reissue



Summary of Detected Compounds AMBIENT AIR: EPA METHOD TO-11A HPLC

Client Sample ID: Formaldehyde-001-031716

Lab ID#: 1603387-01A

Compound	Rpt. Limit	Rpt. Limit	Amount	Amount
	(ug)	(ug/m3)	(ug)	(ug/m3)
Formaldehyde	0.050	0.070	14	19

Client Sample ID: Formaldehyde-002-031716

Lab ID#: 1603387-02A

Compound	Rpt. Limit	Rpt. Limit	Amount	Amount
Compound	(ug)	(ug/ms)	(ug)	(ug/ma)
Formaldehyde	0.050	0.070	8.6	12

Client Sample ID: Formaldehyde-003-031716

Lab ID#: 1603387-03A

No Detections Were Found.



Air Toxics

Client Sample ID: Formaldehyde-001-031716 Lab ID#: 1603387-01A AMBIENT AIR: EPA METHOD TO-11A HPLC

٦

File Name: Dil. Factor:	f0407014 1.00	Date Date Date	e of Collection: 3/1 e of Analysis: 4/7/1 e of Extraction: 3/3	7/16 6:00:00 PM 6 07:48 PM 1/16
Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.070	14	19



Air Toxics

Client Sample ID: Formaldehyde-002-031716 Lab ID#: 1603387-02A AMBIENT AIR: EPA METHOD TO-11A HPLC

٦

File Name: Dil. Factor:	f0407015 1.00	Date Date Date	e of Collection: 3/1 e of Analysis: 4/7/1 e of Extraction: 3/3	7/16 6:15:00 AM 6 08:14 PM 1/16
Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.070	8.6	12



Air Toxics

Client Sample ID: Formaldehyde-003-031716 Lab ID#: 1603387-03A AMBIENT AIR: EPA METHOD TO-11A HPLC

٦

File Name: Dil. Factor:	f0407016 1.00	Dat Dat Dat	e of Collection: 3/17 e of Analysis: 4/7/10 e of Extraction: 3/3	7/16 6 08:40 PM 1/16
Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.070	Not Detected	Not Detected



Client Sample ID: Lab Blank Lab ID#: 1603387-04A AMBIENT AIR: EPA METHOD TO-11A HPLC File Name: f0407010 **Date of Collection: NA** Dil. Factor: Date of Analysis: 4/7/16 06:05 PM 1.00 Date of Extraction: 3/31/16 **Rpt.** Limit Rpt. Limit Amount Amount Compound (ug/m3) (ug) (ug/m3) (ug) Not Detected Formaldehyde 0.050 0.070 Not Detected

Air Sample Volume(L): 713 Container Type: NA - Not Applicable



I

Air Toxics

Client Sample ID: LCS Lab ID#: 1603387-05A AMBIENT AIR: EPA METHOD TO-11A HPLC

File Name: Dil. Factor:	f0407008 1.00	Date of Collect Date of Analys	tion: NA sis: 4/7/16 05:13 PM
		Date of Extrac	tion: 3/31/16
			Method
Compound		%Recovery	Limits
Formaldehyde		104	85-115

Air Sample Volume(L): 1.00 Container Type: NA - Not Applicable



Client Sample ID: LCSD Lab ID#: 1603387-05AA AMBIENT AIR: EPA METHOD TO-11A HPLC

File Name: Dil. Factor:	f0407009 1.00	Date of Colle Date of Anal	ection: NA ysis: 4/7/16 05:39 PM
		Date of Extra	action: 3/31/16
			Method
Compound		%Recovery	Limits
Formaldehyde		107	85-115

Air Sample Volume(L): 1.00 Container Type: NA - Not Applicable

10/3381				<i>v v</i>			AL ATTACA A SUCCESSION OF A SUCCES			Onty
10030 0	Nonè	Yes No		2010	- ^	- - -			Sam	Use
Work Order #	s Intact?	Custody Seals	,	Condition		Temp (°C)		Air Bill #	Shipper Name	5
		Votes:								
	Pate:	Average Flow F			Date/Time	sionature) [Received by: (Date/Time	hed by: (signature)	Relinquis
	Rate:	Post-test Flow	1		Date/Time	signature) (Received by: (Date/Time	hed by: (signature)	Relinquis
tion	tion Informat	Pump Calibra	030	allie	Date/Time	signature) I Uunuti	Received by: (Date/Time 3/18/16 (3:08	hed by: (signature)	Relinquis
		H								
						-				
						31/11/16	Blank	2 - 03 - 03 1716	Emaldehvol	030
		712,8	12	06-15	21- 81	31)1-1/5	Channel 2	-002-031716	Formeldelinde	022
delive, TO-	Formal	713.3	12	500 BN	06:00	3/17/16	Channel 1	-001-031716	Fromstole hucle :	018
nalysis Requested	>	Final Volume	Duration	Tine	Start Time	Date of Collection	Tube # / Cartridge #	le I.D. (Location)	Field Samp	
u/g/m ^g /mg/n	specify	NUNTE	A River	ame_ <u>M</u>	Project N			267 Fax	973-4.8-1.	³ hone
	C Rush				Project #	(wast in	State M Zip	Algority New York	HIL. J. NAW 84	Address ∠
mdd Aqd	Normal		-		P.O. #	Michaer	Amonary @1	app Email w	1 mus Ber	Company
Circle Reporting	Turn Around Time:			nfo:	Project I		C. J. True	Almoniacy Chen Liana	anager Khine	Project Ma Collected
RAVINE ROAD, S LSOM, CA 95630 1000 FAX (916) 98 Page	180 BLUE FO (916) 985-	ed in compliance regulations and to the collection, greement to hold or action, of any 00) 467-4922.	s being shippe ational laws, with respect t so indicates a aim, demand, O.T. Hotline (8)	nat sample is and interna no liability no signature als gainst any cli samples. D.o	t indicates th al, national, ed assumes relinquishing cs Limited ag r shipping of	tion Notice n this documen Air Toxics Limit Air Toxics Limit demnity Air Toxid forn, handling, or	Je Transporta ishing signature of a pplicable local nces of any kind., ig or shipping of th ss, defend, and inc ss, defend, and inc slated to the collect	Sami SLTD, NY RECORD, handlir handlir harmle kind, re	Air Toxic	CHAN

SORBENT SAMPLE COLLECTION



4/18/2016 Mr. Rhine Almonacy The Louis Berger Group, Inc. 412 Mount Kemble Avenue 5th Floor Morristown NJ 07960

Project Name: North River WWTP Project #: 2001.285.06.02 Workorder #: 1603486

Dear Mr. Rhine Almonacy

The following report includes the data for the above referenced project for sample(s) received on 3/25/2016 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-11A are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics Inc. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free the Project Manager: Ausha Scott at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Scott

Ausha Scott Project Manager

A Eurofins Lancaster Laboratories Company

180 Blue Ravine Road, Suite B Folsom, CA 95630



WORK ORDER #: 1603486

Work Order Summary

CLIENT:	Mr. Rhine Almonacy	BILL TO:	Accounts Payable
	The Louis Berger Group, Inc.		The Louis Berger Group, Inc.
	412 Mount Kemble Avenue		412 Mount Kemble Avenue
	5th Floor		5th Floor
	Morristown, NJ 07960		Morristown, NJ 07960
PHONE:	973-407-1000	P.O. #	2001285.06.02
FAX:		PROJECT #	2001.285.06.02 North River WWTP
DATE RECEIVED:	03/25/2016	CONTACT	Aucho Scott
DATE COMPLETED:	04/12/2016	contact.	Ausila Scott

FRACTION #	NAME	<u>TEST</u>
01A	Formaldehyde001-032316	Modified TO-11A
02A	Formaldehyde002-032316	Modified TO-11A
03A	Formaldehyde003-032316	Modified TO-11A
04A	Lab Blank	Modified TO-11A
05A	LCS	Modified TO-11A
05AA	LCSD	Modified TO-11A

CERTIFIED BY:

lau

DATE: <u>04/12/16</u>

Technical Director

Certification numbers: AZ Licensure AZ0775, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-15-9, UT NELAP CA0093332015-6, VA NELAP - 8113, WA NELAP - C935 Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program) Accreditation number: CA300005, Effective date: 10/18/2015, Expiration date: 10/17/2016. Eurofins Air Toxics Inc.. certifies that the test results contained in this report meet all requirements of the NELAC standards

> This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, Inc. 180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630 (916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE Modified TO-11A The Louis Berger Group, Inc. Workorder# 1603486

Three TO-11 Cartridge samples were received on March 25, 2016. The laboratory performed analysis via modified Method TO-11A using reverse phase High Pressure Liquid Chromatography (HPLC) with an Ultraviolet (UV) Detector. The method involves eluting the sorbent tubes with acetonitrile using a gravity feed technique. Method modifications taken to run these samples include:

Requirement	TO-11A	ATL Modifications
ACN Purity Check	Contribution of analytes from ACN determined as described Sections 9.1.1 and 9.1.2 of Compendium TO-11A.	Total contribution of analytes from ACN and cartridge combined is determined.
Initial Calibration Curve (ICAL)	Multi-point using linear regression performed every 6 months; $r^2 > 0.999$	Multi-point using average Response Factor; % RSD = 10 %. Re-calibration if daily cal. fails, major maintenance, or column change. Linear regression is performed when requested.</td
Blank Subtraction	Average blank concentrations calculated. Blank value subtracted from sample result.	One Lab Blank is analyzed per batch; no blank subtraction performed on samples.

Receiving Notes

🛟 eurofins

A Temperature Blank was included with the shipment. Temperature was measured and was not within 4 ± 2 °C. Coolant in the form of blue ice was present. Analysis proceeded.

Analytical Notes

Sampling volume was supplied by the client. A sample volume of 713 L was used to report sample Formaldehyde 003-032316 and the Laboratory Blank.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:

- B Compound present in laboratory blank greater than reporting limit.
- J Estimated value.
- E Exceeds instrument calibration range.
- S Saturated peak.
- Q Exceeds quality control limits.
- U Compound analyzed for but not detected above the detection limit.
- M Reported value may be biased due to apparent matrix interferences.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector



r1-File was requantified for the purpose of reissue



Summary of Detected Compounds AMBIENT AIR: EPA METHOD TO-11A HPLC

Client Sample ID: Formaldehyde001-032316

Lab ID#: 1603486-01A

Compound	Rpt. Limit	Rpt. Limit	Amount	Amount
	(ug)	(ug/m3)	(ug)	(ug/m3)
Formaldehyde	0.050	0.070	7.5	10

Client Sample ID: Formaldehyde002-032316

Lab ID#: 1603486-02A

	Rpt. Limit	Rpt. Limit	Amount	Amount
Compound	(ug)	(ug/m3)	(ug)	(ug/m3)
Formaldehyde	0.050	0.070	11	15

Client Sample ID: Formaldehyde003-032316

Lab ID#: 1603486-03A

No Detections Were Found.



Air Toxics

Client Sample ID: Formaldehyde001-032316 Lab ID#: 1603486-01A AMBIENT AIR: EPA METHOD TO-11A HPLC

٦

File Name: Dil. Factor:	f0407017 1.00	Date Date	e of Collection: 3/2 e of Analysis: 4/7/1	3/16 6:00:00 PM 6 09:06 PM
		Date	e of Extraction: 3/3	1/16
	Rpt. Limit	Rpt. Limit	Amount	Amount
Compound	(ug)	(ug/m3)	(ug)	(ug/m3)
Formaldehyde	0.050	0.070	7.5	10



Air Toxics

Client Sample ID: Formaldehyde002-032316 Lab ID#: 1603486-02A AMBIENT AIR: EPA METHOD TO-11A HPLC

٦

File Name: Dil. Factor:	f0407018 1.00	Date Date	e of Collection: 3/2 e of Analysis: 4/7/1	3/16 6:15:00 AM 6 09:32 PM
Compound	Rpt. Limit (ug)	Date Rpt. Limit (ug/m3)	of Extraction: 3/3 Amount (ug)	1/16 Amount (ug/m3)
Formaldehyde	0.050	0.070	11	15



Air Toxics

Client Sample ID: Formaldehyde003-032316 Lab ID#: 1603486-03A AMBIENT AIR: EPA METHOD TO-11A HPLC

٦

File Name: Dil. Factor:	f0407019 1.00	Dat Dat	e of Collection: 3/23 e of Analysis: 4/7/10	3/16 6 09:58 PM
		Dat	e of Extraction: 3/3	1/16
	Rpt. Limit	Rpt. Limit	Amount	Amount
Compound	(ug)	(ug/m3)	(ug)	(ug/m3)
Formaldehyde	0.050	0.070	Not Detected	Not Detected



Client Sample ID: Lab Blank Lab ID#: 1603486-04A AMBIENT AIR: EPA METHOD TO-11A HPLC File Name: f0407010 **Date of Collection: NA** Dil. Factor: Date of Analysis: 4/7/16 06:05 PM 1.00 Date of Extraction: 3/31/16 **Rpt.** Limit Rpt. Limit Amount Amount Compound (ug/m3) (ug) (ug/m3) (ug) Not Detected Formaldehyde 0.050 0.070 Not Detected

Air Sample Volume(L): 713 Container Type: NA - Not Applicable



Client Sample ID: LCS Lab ID#: 1603486-05A AMBIENT AIR: EPA METHOD TO-11A HPLC

File Name: Dil. Factor:	f0407008 1.00	Date of Collec Date of Analys Date of Extrac	tion: NA sis: 4/7/16 05:13 PM :tion: 3/31/16
Compound		%Recovery	Method Limits
Formaldehyde		104	85-115

Air Sample Volume(L): 1.00 Container Type: NA - Not Applicable



I

Air Toxics

Client Sample ID: LCSD Lab ID#: 1603486-05AA AMBIENT AIR: EPA METHOD TO-11A HPLC

File Name: Dil. Factor:	f0407009 1.00	Date of Collec Date of Analys Date of Extrac	tion: NA sis: 4/7/16 05:39 PM stion: 3/31/16
Compound		%Recovery	Method Limits
Formaldehyde		107	85-115

Air Sample Volume(L): 1.00 Container Type: NA - Not Applicable

	war out out of the proposition of the second state of the second s	and a subsection of the section of t	and a subscription of the	SPANIO	and a source of a second s	and the second	STATUTE CONTRACT AND A SUBJECT OF A DESCRIPTION OF A DESC	n feldet for som ander and	n de se de la compañía de la compañía En de se de la compañía de la compañí	
1903486		100		A CON		T VO T		949441		Only
		Vac No				1.4			E S	Use
Work Order #	s Intact?	Custody Seals	-	Condition		Temp (°C)		Air Bill #	Shipper Name	æ
		Votes:	~					an a		
	Rate:	Average Flow F)ate/Time	signature) [Received by: (Date/Time	uished by: (signature)	Relinqu
	Rate:	Post-test Flow			Date/Time	(signature) L	Received by: (Date/Time	tatisfied by: (signature)	Reline
	late:	Pre-test Flow F	035	10 11	. Jlas 1	MULL EARLY	TT YOUMANT	0591 71/66		2
ion	ition Informat	Pump Calibra	(BC)CC	**)ate/Time	(signature) [Received by: (Date/Time	uished by: (signature)	Relinqu
			-	5						
		-								
				~	•					
		K/A	NVA	N/4	4/100	4		loos-032316	* Formeldoling	340
1		Sidre 1	726	2615	1818			6002-032316	- Formy Ush	260
-formellohr	73114	7/3,2	OR	6031	060	2/12/14		6001-1323/6	5 Frindlich Ved	01 R
alysis Requested	Ar	Final	Duration か <i>し</i> く	Time	Start Time	Date of Collection	Tube # / Cartridge #	le I.D. (Location)	.D. Field Samp	Lab I.
	specify	MWWI TP	WK lixer	ame_ <u>\/</u>	Project N			Fax	212-612-295	Phone
tia/ma ma/ma	Rush	22	255.06.0	2001.0	Project #	<u>53007</u> C	State_ <u></u> Zir	() City New Jonk	5 4 Euril 94	Address
ppbv ppmv	Normal			and a second second data and design of the second	P.O. #			LAC Email	any LOUIS Kar	Compa
Circle Reporting Units:	Turn Around Time:	T		nfo:	Project I	Y		hing Amana	t Manager <u>X 1 / 1 (</u>	Project
	A SA		Southern and a submanian and water out of the law of the state of the submanian	And a subset of the second car reference car for				Amonth		
RAVINE ROAD, SUITE B LSOM, CA 95630 000 FAX (916) 985-1020	180 BLUE FOI (916) 985-1	ed in compliance regulations and to the collection, greement to hold or action, of any 00) 467-4922.	s being shipps ational laws, with respect t o indicates ac alm, demand, J.T. Hotline (8)	hat sample is and interna no liability v signature als yainst any cla samples. D.(t indicates th al, national, ed assumes elinquíshing xs Limited ag rs hipping of	ation Notice on this document J. State, Feder Air Toxics Limit Jese samples. R Jernnify Air Toxic tion, handling, or	ble Transporta uishing signature c II applicable loca roces of any kind. rig or shipping of the ss, defend, and inc slated to the collect	Sami Relinq with a ordinar handlir harmle kind, re	Air Joxic	€ M
								OLLECTION	RBENT SAMPLE CO	SOB



4/18/2016 Mr. Rhine Almonacy The Louis Berger Group, Inc. 412 Mount Kemble Avenue 5th Floor Morristown NJ 07960

Project Name: North River WWTP Project #: Workorder #: 1603592

Dear Mr. Rhine Almonacy

The following report includes the data for the above referenced project for sample(s) received on 3/31/2016 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-11A are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics Inc. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free the Project Manager: Ausha Scott at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Scott

Ausha Scott Project Manager

A Eurofins Lancaster Laboratories Company

180 Blue Ravine Road, Suite B Folsom, CA 95630



WORK ORDER #: 1603592

Work Order Summary

CLIENT:	Mr. Rhine Almonacy	BILL TO:	Accounts Payable
	The Louis Berger Group, Inc.		The Louis Berger Group, Inc.
	412 Mount Kemble Avenue		412 Mount Kemble Avenue
	5th Floor		5th Floor
	Morristown, NJ 07960		Morristown, NJ 07960
PHONE:	973-407-1000	P.O. #	2001285.06.02
FAX:		PROJECT #	North River WWTP
DATE RECEIVED:	03/31/2016	СОМТАСТ	Ausha Scott
DATE COMPLETED:	04/12/2016	COMIACI.	Ausia Scou

FRACTION #	NAME	TEST
01A	Formaldehyde-001-032916	Modified TO-11A
02A	Formaldehyde-002-032916	Modified TO-11A
03A	Formaldehyde-003-032916	Modified TO-11A
04A	Lab Blank	Modified TO-11A
05A	LCS	Modified TO-11A
05AA	LCSD	Modified TO-11A

CERTIFIED BY:

lau

DATE: <u>04/12/16</u>

Technical Director

Certification numbers: AZ Licensure AZ0775, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-15-9, UT NELAP CA0093332015-6, VA NELAP - 8113, WA NELAP - C935 Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program) Accreditation number: CA300005, Effective date: 10/18/2015, Expiration date: 10/17/2016. Eurofins Air Toxics Inc.. certifies that the test results contained in this report meet all requirements of the NELAC standards

> This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, Inc. 180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630 (916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE Modified TO-11A The Louis Berger Group, Inc. Workorder# 1603592

Three TO-11 Cartridge samples were received on March 31, 2016. The laboratory performed analysis via modified Method TO-11A using reverse phase High Pressure Liquid Chromatography (HPLC) with an Ultraviolet (UV) Detector. The method involves eluting the sorbent tubes with acetonitrile using a gravity feed technique. Method modifications taken to run these samples include:

Requirement	TO-11A	ATL Modifications
ACN Purity Check	Contribution of analytes from ACN determined as described Sections 9.1.1 and 9.1.2 of Compendium TO-11A.	Total contribution of analytes from ACN and cartridge combined is determined.
Initial Calibration Curve (ICAL)	Multi-point using linear regression performed every 6 months; $r^2 > 0.999$	Multi-point using average Response Factor; % RSD = 10 %. Re-calibration if daily cal. fails, major maintenance, or column change. Linear regression is performed when requested.</td
Blank Subtraction	Average blank concentrations calculated. Blank value subtracted from sample result.	One Lab Blank is analyzed per batch; no blank subtraction performed on samples.

Receiving Notes

🛟 eurofins

A Temperature Blank was included with the shipment. Temperature was measured and was not within 4 ± 2 °C. Coolant in the form of blue ice was present. Analysis proceeded.

Analytical Notes

Sampling volume was supplied by the client. A sample volume of 713 L was used to report sample Formaldehyde-003-032916 and the Laboratory Blank.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:

- B Compound present in laboratory blank greater than reporting limit.
- J Estimated value.
- E Exceeds instrument calibration range.
- S Saturated peak.
- Q Exceeds quality control limits.
- U Compound analyzed for but not detected above the detection limit.
- M Reported value may be biased due to apparent matrix interferences.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector



r1-File was requantified for the purpose of reissue



Summary of Detected Compounds AMBIENT AIR: EPA METHOD TO-11A HPLC

Client Sample ID: Formaldehyde-001-032916

Lab ID#: 1603592-01A

Compound	Rpt. Limit	Rpt. Limit	Amount	Amount
	(ug)	(ug/m3)	(ug)	(ug/m3)
Formaldehyde	0.050	0.070	10	15

Client Sample ID: Formaldehyde-002-032916

Lab ID#: 1603592-02A

	Rpt. Limit	Rpt. Limit	Amount	Amount
Compound	(ug)	(ug/m3)	(ug)	(ug/m3)
Formaldehyde	0.050	0.070	7.8	11

Client Sample ID: Formaldehyde-003-032916

Lab ID#: 1603592-03A

	Rpt. Limit	Rpt. Limit	Amount	Amount
Compound	(ug)	(ug/m3)	(ug)	(ug/m3)
Formaldehyde	0.050	0.070	0.11	0.15



Air Toxics

Client Sample ID: Formaldehyde-001-032916 Lab ID#: 1603592-01A AMBIENT AIR: EPA METHOD TO-11A HPLC

٦

File Name: Dil. Factor:	f0411004 1.00	Date Date	of Collection: 3/2 of Analysis: 4/11/	9/16 6:00:00 PM 16 10:18 AM
Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	1/16 Amount (ug/m3)
Formaldehyde	0.050	0.070	10	15



Air Toxics

Client Sample ID: Formaldehyde-002-032916 Lab ID#: 1603592-02A AMBIENT AIR: EPA METHOD TO-11A HPLC

٦

File Name: Dil. Factor:	f0407012 1.00	Date Date Date	e of Collection: 3/2 e of Analysis: 4/7/1 e of Extraction: 3/3	9/16 6:15:00 AM 6 06:56 PM 1/16
Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.070	7.8	11



Air Toxics

Client Sample ID: Formaldehyde-003-032916 Lab ID#: 1603592-03A AMBIENT AIR: EPA METHOD TO-11A HPLC

٦

File Name: Dil. Factor:	f0407013 1.00	Date Date Date	e of Collection: 3/2 e of Analysis: 4/7/1 e of Extraction: 3/3	9/16 6 07:22 PM 1/16
Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Formaldehyde	0.050	0.070	0.11	0.15



Client Sample ID: Lab Blank Lab ID#: 1603592-04A AMBIENT AIR: EPA METHOD TO-11A HPLC File Name: f0407010 **Date of Collection: NA** Dil. Factor: Date of Analysis: 4/7/16 06:05 PM 1.00 Date of Extraction: 3/31/16 **Rpt.** Limit Rpt. Limit Amount Amount Compound (ug/m3) (ug) (ug/m3) (ug) Not Detected Formaldehyde 0.050 0.070 Not Detected

Air Sample Volume(L): 713 Container Type: NA - Not Applicable



Client Sample ID: LCS Lab ID#: 1603592-05A AMBIENT AIR: EPA METHOD TO-11A HPLC

File Name: Dil. Factor:	f0407008 1.00	Date of Colle Date of Analy Date of Extra	ction: NA /sis: 4/7/16 05:13 PM ction: 3/31/16
Compound		%Recovery	Method Limits
Formaldehyde		104	85-115

Air Sample Volume(L): 1.00 Container Type: NA - Not Applicable



Client Sample ID: LCSD Lab ID#: 1603592-05AA AMBIENT AIR: EPA METHOD TO-11A HPLC

File Name: Dil. Factor:	f0407009 1.00	Date of Colle Date of Analy Date of Extra	ction: NA /sis: 4/7/16 05:39 PM ction: 3/31/16
Compound		%Recovery	Method Limits
Formaldehyde		107	85-115

Air Sample Volume(L): 1.00 Container Type: NA - Not Applicable

4603592	No None	Yes		SOR		18:2.4			2 dm	Ony
Work Order #	y Seals Intact?	Custod		Condition		Temp (°C)		Ar Bill #	Shipper Name	- 6 7
		Notes:							den et als se den en den en de	
	Flow Rate:	Average			ate/Time	signature) Da	Received by: (Date/Time	ed by: (signature)	Relinquish
	t Flow Rate:	Post-test			ate/Time	signature) Da	Received by: (Date/Time	ed by: (signature)	Relinquish
	Flow Rate:	Pre-test	JUN -	1.6	1-16	1- 3-3/	PH EAT.		Contraction of the second	
							Dopositional barrier	DetaTimo	od hur (ninnatura)	Dolinguish
									and the surface of th	
								na da	*****	
			and a second definition of the second definiti							
				No.	16.i.v.	3/18/16	Blank	2-03-032816	Formaldeligde	030
	2.8		124	5149	18-15	3/29/16	Channel 2	2-032-032916	Formaldelight	022
-11A Formaldelight	3.2 10	_	12)	ao; 81	80; G	3/29/16	Channel	1-001-032916	Formaldehycle	0/2
Analysis Requested	olume	× ,	Duration	Time	Start Time	Date of Collection	Tube # / Cartridge #	ble I.D. (Location)	Field Samp	Lab I.D.
Ŵ		L.MM	<u>A Kiver</u>		Project Na			Fax	73-418-126	Phone
/in/m3 ma/m3	Q Rush		· /		Project #	(and	L_State/∭Zip	h flyciny New York	8 Ward Se. 16	Address
lal pddv ppmv	Norm				P.O. #	Plansterne	ralmonacy	terr Email	Louis Berg	Company_
ound Circle Reporting	Turn Ard			ð:	Project In		N. J. W.	Chen Linke	Nager Khyke	Project Mar Collected b
					and the second second	ron, nanamily, ar				
LUE RAVINE ROAD, SUITE B FOLSOM, CA 95630 985-1000 FAX (916) 985-1020	pliance 180 B ns and liection, to hold (916) (ed in com regulation to the coll (greement or action,	being shipp tional laws, vith respect o indicates a im, demand,	and international international international international international international instance in classification of the second	indicates the , national, a d assumes r linquishing si Limited aga	n this document , State, Federal Air Toxics Limiter erese samples. Re- termify Air Toxics	pie transporta puishing signature o all applicable loca and applicable loca and any kind. ng or shipping of the ses, defend, and inc	NA BECORD harm	Toxic	
								2		

SORBENT SAMPLE COLLECTION
APPENDIX B

Met Tower Data

Met Tower Data Summary Report



Company:New York City D. E. P.
North River Wastewater Treatment Plant
New York, NY 10031Environm
ProtectionData Group:Valid Met Tower Data on Formaldehyde Sampling Date
1st Quarter 20161st Quarter 2016

	WS	WD
Date & Time	mph	Deg
07/01/2016 00:00	14	52
07/01/2016 01:00	11.2	30.4
07/01/2016 02:00	17.3	45.1
07/01/2016 03:00	19	55
07/01/2016 04:00	11.1	197.4
07/01/2016 05:00	13.9	19
07/01/2016 06:00	2	17.8
07/01/2016 07:00	3.9	61.3
07/01/2016 08:00	11.3	179.4
07/01/2016 09:00	0.7	310
07/01/2016 10:00	1.2	310.1
07/01/2016 11:00	1.7	347.1
07/01/2016 12:00	1.8	1.6
07/01/2016 13:00	2.1	4.7
07/01/2016 14:00	1.8	8.2
07/01/2016 15:00	1.5	12.7
07/01/2016 16:00	1.2	7.8
07/01/2016 17:00	1.3	10.6
07/01/2016 18:00	1.2	2.9
07/01/2016 19:00	2.2	20
07/01/2016 20:00	2.3	26.9
07/01/2016 21:00	2.6	23.8
07/01/2016 22:00	2.9	23.3
07/01/2016 23:00	3.4	23.4
11/01/2016 00:00	9.9	268.4
11/01/2016 01:00	10.3	269.1
11/01/2016 02:00	10.5	263.2
11/01/2016 03:00	15.2	272.3
11/01/2016 04:00	9.5	264.5
11/01/2016 05:00	9.1	275.9
11/01/2016 06:00	8.9	263.2
11/01/2016 07:00	11	271
11/01/2016 08:00	10.6	268.2
11/01/2016 09:00	13.1	269.4
11/01/2016 10:00	9.5	273.3
11/01/2016 11:00	10.1	270.8
11/01/2016 12:00	9.3	276.3
11/01/2016 13:00	11	273.5
11/01/2016 14:00	8.1	277.7
11/01/2016 15:00	8.8	231.5

Data 9 Times	WS	WD
Date & Time	mph	Deg
11/01/2016 16:00	16	265
11/01/2016 17:00	11.8	271.4
11/01/2016 18:00	11	274.9
11/01/2016 19:00	13.8	271.8
11/01/2016 20:00	13.7	261.2
11/01/2016 21:00	8.9	280.9
11/01/2016 22:00	3.1	326
11/01/2016 23:00	5.5	332.7
17/01/2016 00:00	11	251.6
17/01/2016 01:00	4.2	304.3
17/01/2016 02:00	3.2	330.1
17/01/2016 03:00	4.9	349
17/01/2016 04:00	4.7	356
17/01/2016 05:00	4.1	354.1
17/01/2016 06:00	3.5	359.1
17/01/2016 07:00	3.9	9.4
17/01/2016 08:00	3.3	14
17/01/2016 09:00	3.5	17.5
17/01/2016 10:00	3.8	23.1
17/01/2016 11:00	3.2	15.8
17/01/2016 12:00	3.6	14
17/01/2016 13:00	3.5	13.6
17/01/2016 14:00	3	16.8
17/01/2016 15:00	3.4	10.4
17/01/2016 16:00	6.2	352.7
17/01/2016 17:00	3.1	0.9
17/01/2016 18:00	3	14.8
17/01/2016 19:00	2.2	349.4
17/01/2016 20:00	4	297.1
17/01/2016 21:00	4.5	290.2
17/01/2016 22:00	4.7	280.2
17/01/2016 23:00	11.8	286.1
23/01/2016 00:00	6.1	47.3
23/01/2016 01:00	6.6	44.8
23/01/2016 02:00	7	44.5
23/01/2016 03:00	7	42.9
23/01/2016 04:00	7	40.5
23/01/2016 05:00	7.1	42.2
23/01/2016 06:00	7.5	41.2
23/01/2016 07:00	8.7	42.7
23/01/2016 08:00	8.6	39.7
23/01/2016 09:00	8.1	37.6
23/01/2016 10:00	8.9	28.4
23/01/2016 11:00	8.9	28.6
23/01/2016 12:00	9.6	26.6
23/01/2016 13:00	9.1	25.8
23/01/2016 14:00	9.1	25.7

	WS	WD
Date & Time	mph	Deg
23/01/2016 15:00	10.3	26.4
23/01/2016 16:00	9.9	26.6
23/01/2016 17:00	9.7	23.5
23/01/2016 18:00	10.2	20.1
23/01/2016 19:00	9.5	14
23/01/2016 20:00	10.9	10.3
23/01/2016 21:00	9.1	13
23/01/2016 22:00	8.6	16.2
23/01/2016 23:00	8.7	13.2
29/01/2016 00:00	17.9	50.6
29/01/2016 01:00	8.4	195
29/01/2016 02:00	15.3	49.1
29/01/2016 03:00	9.2	184.4
29/01/2016 04:00	6.7	216.6
29/01/2016 05:00	7.2	291.8
29/01/2016 06:00	8.9	13.1
29/01/2016 07:00	13.2	46.6
29/01/2016 08:00	8.8	257.8
29/01/2016 09:00	10.6	285.3
29/01/2016 10:00	8.6	277.4
29/01/2016 11:00	7.2	282.2
29/01/2016 12:00	9.8	302.3
29/01/2016 13:00	5.8	306.7
29/01/2016 14:00	5.1	309.9
29/01/2016 15:00	6.2	290.8
29/01/2016 16:00	6.2	304.7
29/01/2016 17:00	7	285.8
29/01/2016 18:00	6.6	300.9
29/01/2016 19:00	5.7	322.6
29/01/2016 20:00	5.8	316
29/01/2016 21:00	4.6	325.3
29/01/2016 22:00	5.8	309.2
29/01/2016 23:00	13.5	280.4
	• •	
04/02/2016 00:00	10	128.6
04/02/2016 01:00	9.1	201.7
04/02/2016 02:00	12.2	208.8
04/02/2016 03:00	7.8	199.1
04/02/2016 04:00	4.7	215.2
04/02/2016 05:00	7.9	214.9
04/02/2016 06:00	15.1	28.4
04/02/2016 07:00	20.5	96.7
04/02/2016 08:00	15.7	142.2
04/02/2016 09:00	3.6	328.3
04/02/2016 10:00	4.3	331.2
04/02/2016 11:00	4	312.5
04/02/2016 12:00	8.1	16.5
04/02/2016 13:00	3.7	311.3

Date & Time mph Deg 04/02/2016 14:00 3 339.2 04/02/2016 15:00 2.3 338 04/02/2016 16:00 2.3 338 04/02/2016 19:00 2 343.6 04/02/2016 19:00 2.2 324.1 04/02/2016 19:00 2.5 10.4 04/02/2016 20:00 4.8 20.3 04/02/2016 22:00 4.8 23.3 04/02/2016 22:00 4.8 23.3 04/02/2016 22:00 4.8 23.3 04/02/2016 02:00 1.1.2 45.4 10/02/2016 00:00 12.9 61.6 10/02/2016 00:00 12.9 61.6 10/02/2016 05:00 20.1 42.4 10/02/2016 06:00 16.2 33.8 10/02/2016 06:00 16.2 33.8 10/02/2016 08:00 12.9 299.4 10/02/2016 08:00 12.9 299.4 10/02/2016 08:00 12.3 238.8 10/02/2016 10:00 14.1 297.4 1		WS	WD
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Date & Time	mph	Deg
04/02/2016 15:00 3.3 353.1 04/02/2016 16:00 2.3 338 04/02/2016 17:00 2 343.6 04/02/2016 18:00 2.2 324.1 04/02/2016 19:00 2.5 10.4 04/02/2016 21:00 4.8 20.3 04/02/2016 22:00 4.8 23.3 04/02/2016 22:00 4.8 23.3 04/02/2016 23:00 5.1 21.2 10/02/2016 00:00 2.2 294.7 10/02/2016 00:00 12.9 51.6 10/02/2016 02:00 11.2 45.4 10/02/2016 02:00 12.9 51.6 10/02/2016 03:00 12.9 29.4 10/02/2016 04:00 13.7 17.3 10/02/2016 06:00 16.2 33.8 10/02/2016 07:00 14.1 297.4 10/02/2016 07:00 14.1 297.4 10/02/2016 10:00 14.3 294.4 10/02/2016 10:00 14.3 294.4 10/02/2016 11:00 8.9 268.4	04/02/2016 14:00	3	339.2
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	04/02/2016 15:00	3.3	353.1
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	04/02/2016 16:00	2.3	338
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	04/02/2016 17:00	2	343.6
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	04/02/2016 18:00	22	324.1
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	04/02/2016 19:00	25	10.4
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	04/02/2016 20:00	4.8	20.3
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	04/02/2016 21:00	47	21.6
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	04/02/2016 22:00	4.8	23.3
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	04/02/2016 23:00	5.1	21.2
$\begin{array}{c c c c c c c c c c c c c c c c c c c $			
10/02/2016 01:00 1.2 279.5 10/02/2016 02:00 11.2 45.4 10/02/2016 03:00 12.9 51.6 10/02/2016 04:00 13.9 13.7 10/02/2016 05:00 20.1 42.4 10/02/2016 06:00 16.2 33.8 10/02/2016 07:00 13.7 17.3 10/02/2016 08:00 14.1 297.4 10/02/2016 10:00 16.1 294.1 10/02/2016 11:00 16.1 294.1 10/02/2016 12:00 12.3 238.8 10/02/2016 13:00 8.9 269.4 10/02/2016 14:00 12 269.6 10/02/2016 15:00 9.8 267.4 10/02/2016 15:00 9.8 267.4 10/02/2016 15:00 13.9 311.5 10/02/2016 18:00 11.2 265.5 10/02/2016 18:00 11.2 265.5 10/02/2016 18:00 11.2 265.5 10/02/2016 19:00 0.8 259.7 10/02/2016 19:00 10.8 259.7	10/02/2016 00:00	22	294 7
10/02/2016 02:00 11.2 45.4 10/02/2016 02:00 11.2 45.4 10/02/2016 02:00 12.9 51.6 10/02/2016 05:00 20.1 42.4 10/02/2016 06:00 16.2 33.8 10/02/2016 07:00 13.7 17.3 10/02/2016 08:00 12.9 299.4 10/02/2016 08:00 12.9 299.4 10/02/2016 08:00 14.1 297.4 10/02/2016 10:00 16.1 294.1 10/02/2016 11:00 8.9 269.4 10/02/2016 13:00 8.8 278 10/02/2016 14:00 12 269.6 10/02/2016 15:00 9.8 267.4 10/02/2016 15:00 9.8 267.4 10/02/2016 17:00 13.9 311.5 10/02/2016 18:00 11.2 265.5 10/02/2016 18:00 11.2 265.5 10/02/2016 19:00 10.8 259.7 10/02/2016 21:00 9.2 281.4 10/02/2016 22:00 18.6 301	10/02/2016 01:00	4.8	279.5
100222016 03:00 11.2 51.6 100222016 03:00 13.9 13.7 10022016 06:00 20.1 42.4 10022016 06:00 16.2 33.8 10022016 07:00 13.7 17.3 10022016 08:00 12.9 299.4 10022016 08:00 12.9 299.4 10022016 10:00 14.1 297.4 10022016 10:00 16.1 294.1 10022016 11:00 8.9 269.4 10022016 12:00 12.3 238.8 10022016 14:00 12 269.6 10022016 14:00 12 269.6 10022016 15:00 9.8 267.4 10022016 15:00 9.8 267.4 10022016 15:00 11.2 265.5 10022016 18:00 11.2 265.5 10022016 18:00 11.2 265.5 10022016 19:00 10.8 259.7 10022016 20:00 8.4 278.2 10022016 20:00 4.5 314.8 16/02/2016 00:00 <td>10/02/2016 02:00</td> <td>11.2</td> <td>45.4</td>	10/02/2016 02:00	11.2	45.4
10/02/2016 04:00 12.5 01.6 10/02/2016 04:00 13.9 13.7 10/02/2016 05:00 20.1 42.4 10/02/2016 06:00 16.2 33.8 10/02/2016 07:00 13.7 17.3 10/02/2016 08:00 12.9 299.4 10/02/2016 08:00 14.1 297.4 10/02/2016 10:00 16.1 294.1 10/02/2016 12:00 12.3 238.8 10/02/2016 12:00 12.3 238.8 10/02/2016 13:00 8.8 278 10/02/2016 15:00 9.8 267.4 10/02/2016 16:00 15 277.5 10/02/2016 16:00 15 277.5 10/02/2016 17:00 13.9 311.5 10/02/2016 18:00 11.2 265.5 10/02/2016 19:00 10.8 259.7 10/02/2016 21:00 8.4 278.2 10/02/2016 21:00 9.2 281.4 10/02/2016 21:00 4.5 314.8 16/02/2016 01:00 4.7 318.8	10/02/2016 03:00	12.9	51.6
1002/2016 05:00 20.1 42.4 10/02/2016 05:00 16.2 33.8 10/02/2016 07:00 13.7 17.3 10/02/2016 08:00 12.9 299.4 10/02/2016 09:00 14.1 297.4 10/02/2016 10:00 16.1 294.1 10/02/2016 11:00 8.9 269.4 10/02/2016 12:00 12.3 238.8 10/02/2016 14:00 12 269.6 10/02/2016 14:00 12 269.6 10/02/2016 15:00 9.8 267.4 10/02/2016 15:00 9.8 267.4 10/02/2016 15:00 13.9 311.5 10/02/2016 15:00 13.9 311.5 10/02/2016 15:00 11.2 265.5 10/02/2016 19:00 10.8 259.7 10/02/2016 19:00 10.8 259.7 10/02/2016 19:00 7.2 273.2 10/02/2016 20:00 8.4 278.2 10/02/2016 20:00 4.5 314.8 16/02/2016 00:00 3.5 15.9	10/02/2016 04:00	13.9	13.7
10/02/2016 06:00 12.1 12.7 10/02/2016 06:00 16.2 33.8 10/02/2016 08:00 12.9 299.4 10/02/2016 09:00 14.1 297.4 10/02/2016 10:00 16.1 294.1 10/02/2016 11:00 8.9 269.4 10/02/2016 12:00 12.3 238.8 10/02/2016 13:00 8.8 278 10/02/2016 15:00 9.8 267.4 10/02/2016 16:00 15 277.5 10/02/2016 16:00 15 277.5 10/02/2016 16:00 11.2 265.5 10/02/2016 18:00 11.2 265.5 10/02/2016 19:00 10.8 259.7 10/02/2016 20:00 8.4 278.2 10/02/2016 20:00 8.4 278.2 10/02/2016 20:00 7.2 273.2 10/02/2016 20:00 4.5 314.8 16/02/2016 00:00 3.5 15.9 16/02/2016 00:00 3.5 15.9 16/02/2016 00:00 3.7 145.9 <t< td=""><td>10/02/2016 05:00</td><td>20.1</td><td>42.4</td></t<>	10/02/2016 05:00	20.1	42.4
10/02/2016 07:00 10:2 30:0 10/02/2016 07:00 13:7 17:3 10/02/2016 07:00 12:9 299.4 10/02/2016 09:00 14.1 297.4 10/02/2016 10:00 16.1 294.1 10/02/2016 12:00 12:3 238.8 10/02/2016 12:00 12:3 238.8 10/02/2016 13:00 8.8 278 10/02/2016 15:00 9.8 267.4 10/02/2016 15:00 9.8 267.4 10/02/2016 16:00 15 277.5 10/02/2016 16:00 15 277.5 10/02/2016 18:00 11.2 265.5 10/02/2016 18:00 11.2 265.5 10/02/2016 19:00 10.8 259.7 10/02/2016 20:00 8.4 278.2 10/02/2016 20:00 18.6 301 10/02/2016 20:00 18.6 301 10/02/2016 20:00 4.5 314.8 16/02/2016 00:00 3.5 15.9 16/02/2016 00:00 3.5 15.9 <tr< td=""><td>10/02/2016 06:00</td><td>16.2</td><td>33.8</td></tr<>	10/02/2016 06:00	16.2	33.8
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	10/02/2016 07:00	13.7	17.3
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	10/02/2016 08:00	12.0	200 /
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	10/02/2016 09:00	1/ 1	233.4
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	10/02/2016 10:00	16.1	201.4
10/02/2016 10/02/2016 12:3 238.8 10/02/2016 13:00 12 269.6 10/02/2016 15:00 9.8 267.4 10/02/2016 15:00 9.8 267.4 10/02/2016 16:00 15 277.5 10/02/2016 17:00 13.9 311.5 10/02/2016 18:00 11.2 2665.5 10/02/2016 19:00 10.8 259.7 10/02/2016 20:00 8.4 278.2 10/02/2016 20:00 8.4 278.2 10/02/2016 20:00 18.6 301 10/02/2016 20:00 18.6 301 10/02/2016 00:00 4.5 314.8 16/02/2016 00:00 4.5 314.8 16/02/2016 00:00 3.5 15.9 16/02/2016 03:00 3.5 15.9 16/02/2016 03:00 3.5 15.9 16/02/2016 04:00 3.9 153.7	10/02/2016 11:00	8.9	269.4
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	10/02/2016 12:00	12.3	238.8
10/02/2016 13.00 12 269.6 10/02/2016 15:00 9.8 267.4 10/02/2016 16:00 15 277.5 10/02/2016 17:00 13.9 311.5 10/02/2016 18:00 11.2 265.5 10/02/2016 19:00 10.8 259.7 10/02/2016 20:00 8.4 278.2 10/02/2016 20:00 8.4 278.2 10/02/2016 20:00 18.6 301 10/02/2016 20:00 18.6 301 10/02/2016 20:00 7.2 273.2 0 0.02/2016 00:00 4.5 314.8 16/02/2016 00:00 4.6 320.1 16/02/2016 16/02/2016 00:00 3.5 15.9 16/02/2016 153.7 16/02/2016 03:00 3.5 15.9 16/02/2016 153.7 16/02/2016 05:00 2.7 145.9 16/02/2016 153.8 16/	10/02/2016 13:00	8.8	230.0
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	10/02/2016 14:00	12	269.6
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	10/02/2016 15:00	0.8	263.0
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	10/02/2016 16:00	15	207.4
10/02/2016 17:00 10:0 10:0 011.2 265.5 10/02/2016 19:00 10.8 259.7 10/02/2016 20:00 8.4 278.2 10/02/2016 21:00 9.2 281.4 10/02/2016 22:00 18.6 301 10/02/2016 23:00 7.2 273.2 16/02/2016 00:00 4.5 314.8 16/02/2016 01:00 4.7 318.8 16/02/2016 02:00 4.6 320.1 16/02/2016 02:00 4.6 320.1 16/02/2016 03:00 3.5 15.9 16/02/2016 04:00 3.9 153.7 16/02/2016 05:00 2.7 145.9 16/02/2016 06:00 3.3 144.4 16/02/2016 07:00 6.8 153.8 16/02/2016 07:00 5.8 152.7 16/02/2016 08:00 5.8 145.5	10/02/2016 17:00	13.9	311.5
10/02/2016 10/02/2016 10/02/2016 10/02/2016 259.7 10/02/2016 20:00 8.4 278.2 10/02/2016 21:00 9.2 281.4 10/02/2016 22:00 18.6 301 10/02/2016 23:00 7.2 273.2 0/02/2016 01:00 4.5 314.8 16/02/2016 01:00 4.7 318.8 16/02/2016 02:00 4.6 320.1 16/02/2016 02:00 3.5 15.9 16/02/2016 03:00 3.5 15.9 16/02/2016 03:00 3.3 144.4 16/02/2016 05:00 2.7 145.9 16/02/2016 06:00 3.3 144.4 16/02/2016 07:00 6.8 153.8 16/02/2016 07:00 5.8 152.7 16/02/2016 09:00 5.8 145.5	10/02/2016 18:00	11.2	265.5
10/02/2016 20:00 8.4 278.2 10/02/2016 21:00 9.2 281.4 10/02/2016 22:00 18.6 301 10/02/2016 23:00 7.2 273.2 16/02/2016 00:00 4.5 314.8 16/02/2016 01:00 4.7 318.8 16/02/2016 02:00 4.6 320.1 16/02/2016 02:00 4.6 320.1 16/02/2016 03:00 3.5 15.9 16/02/2016 03:00 3.5 15.9 16/02/2016 04:00 3.9 153.7 16/02/2016 05:00 2.7 145.9 16/02/2016 06:00 3.3 144.4 16/02/2016 07:00 6.8 153.8 16/02/2016 07:00 5.8 152.7 16/02/2016 08:00 5.8 145.5	10/02/2016 19:00	10.8	259.5
10/02/2016 20:00 0.4 210.2 10/02/2016 21:00 9.2 281.4 10/02/2016 22:00 18.6 301 10/02/2016 23:00 7.2 273.2 16/02/2016 00:00 4.5 314.8 16/02/2016 01:00 4.7 318.8 16/02/2016 02:00 4.6 320.1 16/02/2016 03:00 3.5 15.9 16/02/2016 03:00 3.5 15.9 16/02/2016 04:00 3.9 153.7 16/02/2016 05:00 2.7 145.9 16/02/2016 06:00 3.3 144.4 16/02/2016 07:00 6.8 153.8 16/02/2016 07:00 5.8 152.7 16/02/2016 08:00 5.8 145.5	10/02/2016 20:00	84	278.2
10/02/2016 22:00 18.6 301 10/02/2016 23:00 7.2 273.2 16/02/2016 00:00 4.5 314.8 16/02/2016 01:00 4.7 318.8 16/02/2016 02:00 4.6 320.1 16/02/2016 02:00 4.6 320.1 16/02/2016 02:00 4.6 320.1 16/02/2016 03:00 3.5 15.9 16/02/2016 04:00 3.9 153.7 16/02/2016 05:00 2.7 145.9 16/02/2016 06:00 3.3 144.4 16/02/2016 07:00 6.8 153.8 16/02/2016 07:00 5.8 152.7 16/02/2016 08:00 5.8 145.5	10/02/2016 20:00	9.7	281.4
10/02/2016 22:00 10:0 301 10/02/2016 23:00 7.2 273.2 16/02/2016 00:00 4.5 314.8 16/02/2016 01:00 4.7 318.8 16/02/2016 02:00 4.6 320.1 16/02/2016 03:00 3.5 15.9 16/02/2016 04:00 3.9 153.7 16/02/2016 05:00 2.7 145.9 16/02/2016 06:00 3.3 144.4 16/02/2016 07:00 6.8 153.8 16/02/2016 08:00 5.8 152.7 16/02/2016 09:00 5.8 145.5	10/02/2016 22:00	18.6	301
10/02/2010 23:00 1.2 213:2 16/02/2016 00:00 4.5 314.8 16/02/2016 01:00 4.7 318.8 16/02/2016 02:00 4.6 320.1 16/02/2016 03:00 3.5 15.9 16/02/2016 04:00 3.9 153.7 16/02/2016 05:00 2.7 145.9 16/02/2016 06:00 3.3 144.4 16/02/2016 07:00 6.8 153.8 16/02/2016 08:00 5.8 152.7 16/02/2016 09:00 5.8 145.5	10/02/2016 23:00	7.2	273.2
16/02/2016 00:00 4.5 314.8 16/02/2016 01:00 4.7 318.8 16/02/2016 02:00 4.6 320.1 16/02/2016 03:00 3.5 15.9 16/02/2016 04:00 3.9 153.7 16/02/2016 05:00 2.7 145.9 16/02/2016 06:00 3.3 144.4 16/02/2016 07:00 6.8 153.8 16/02/2016 08:00 5.8 152.7 16/02/2016 09:00 5.8 145.5	10/02/2010 23:00	1.2	213.2
10/02/2010 00:00 4.3 314.0 16/02/2016 01:00 4.7 318.8 16/02/2016 02:00 4.6 320.1 16/02/2016 03:00 3.5 15.9 16/02/2016 04:00 3.9 153.7 16/02/2016 05:00 2.7 145.9 16/02/2016 06:00 3.3 144.4 16/02/2016 07:00 6.8 153.8 16/02/2016 08:00 5.8 152.7 16/02/2016 09:00 5.8 145.5	16/02/2016 00:00	15	31/ 8
10/02/2016 01:00 4.7 310.5 16/02/2016 02:00 4.6 320.1 16/02/2016 03:00 3.5 15.9 16/02/2016 04:00 3.9 153.7 16/02/2016 05:00 2.7 145.9 16/02/2016 06:00 3.3 144.4 16/02/2016 07:00 6.8 153.8 16/02/2016 08:00 5.8 152.7 16/02/2016 09:00 5.8 145.5	16/02/2016 01:00	4.5	318.8
10/02/2010 02:00 4:0 320.1 16/02/2016 03:00 3.5 15.9 16/02/2016 04:00 3.9 153.7 16/02/2016 05:00 2.7 145.9 16/02/2016 06:00 3.3 144.4 16/02/2016 07:00 6.8 153.8 16/02/2016 08:00 5.8 152.7 16/02/2016 09:00 5.8 145.5	16/02/2016 02:00	4.7	320.1
10/02/2010 03:00 3.3 10.3 16/02/2016 04:00 3.9 153.7 16/02/2016 05:00 2.7 145.9 16/02/2016 06:00 3.3 144.4 16/02/2016 07:00 6.8 153.8 16/02/2016 08:00 5.8 152.7 16/02/2016 09:00 5.8 145.5	16/02/2016 03:00	4.0	15.9
16/02/2016 05:00 5.3 165.1 16/02/2016 05:00 2.7 145.9 16/02/2016 06:00 3.3 144.4 16/02/2016 07:00 6.8 153.8 16/02/2016 08:00 5.8 152.7 16/02/2016 09:00 5.8 145.5	16/02/2016 03:00	3.0	153.7
16/02/2016 06:00 2.7 143.9 16/02/2016 06:00 3.3 144.4 16/02/2016 07:00 6.8 153.8 16/02/2016 08:00 5.8 152.7 16/02/2016 09:00 5.8 145.5	16/02/2016 05:00	27	145 9
16/02/2016 07:00 6.8 153.8 16/02/2016 08:00 5.8 152.7 16/02/2016 09:00 5.8 145.5	16/02/2016 06:00	2.1	144 A
16/02/2016 08:00 5.8 152.7 16/02/2016 09:00 5.8 145.5	16/02/2016 07:00	6.8	153.8
16/02/2016 09:00 5.8 132.7 16/02/2016 09:00 5.8 145.5	16/02/2016 08:00	5.0	152.7
10/02/2010 03:00 0.0 140:0	16/02/2016 00:00	5.0	145 5
16/02/2016 10:00 4.6 153.1	16/02/2016 10:00	<u> </u>	152.1
16/02/2016 11:00 7 <i>A</i> 1/2 9	16/02/2016 11:00	7 /	142.8
16/02/2016 12:00 12 1 161 2	16/02/2016 12:00	12 1	161.2

Data 9 Time	WS	WD
Date & Time	mph	Deg
16/02/2016 13:00	7.4	142.7
16/02/2016 14:00	8.1	167.7
16/02/2016 15:00	6.1	207.2
16/02/2016 16:00	9.2	211.3
16/02/2016 17:00	9.2	221.1
16/02/2016 18:00	11.4	258.9
16/02/2016 19:00	14.9	279.8
16/02/2016 20:00	7.5	279.2
16/02/2016 21:00	4.8	298.2
16/02/2016 22:00	4.1	305.4
16/02/2016 23:00	4.5	297.5
	-	
22/02/2016 00:00	3.4	28.1
22/02/2016 01:00	4	21.6
22/02/2016 02:00	4.2	23.7
22/02/2016 03:00	3.1	27.1
22/02/2016 04:00	2.8	27
22/02/2016 05:00	2.9	28.7
22/02/2016 06:00	3	22.7
22/02/2016 07:00	3	29.1
22/02/2016 08:00	2.3	22.3
22/02/2016 09:00	2.5	11.2
22/02/2016 10:00	2	10.4
22/02/2016 11:00	1.3	344.6
22/02/2016 12:00	2.5	281.2
22/02/2016 13:00	4.4	347.4
22/02/2016 14:00	2.1	5.7
22/02/2016 15:00	1.8	2.5
22/02/2016 16:00	2.5	12.5
22/02/2016 17:00	1.9	4.2
22/02/2016 18:00	2.8	26.7
22/02/2016 19:00	13.7	204.4
22/02/2016 20:00	10.8	28.4
22/02/2016 21:00	3.5	49
22/02/2016 22:00	4.4	50.9
22/02/2016 23:00	4.6	55.1
28/02/2016 00:00	12.2	232.1
28/02/2016 01:00	14.1	265.9
28/02/2016 02:00	13.1	226.3
28/02/2016 03:00	11	224.7
28/02/2016 04:00	11.6	224.3
28/02/2016 05:00	15.2	29.6
28/02/2016 06:00	12.8	223.9
28/02/2016 07:00	13.5	221.9
28/02/2016 08:00	18.4	215.9
28/02/2016 09:00	6.3	217.3
28/02/2016 10:00	6.7	214
28/02/2016 11:00	11.8	214.2
	•	

Data 9 Time	WS	WD
Date & Time	mph	Deg
28/02/2016 12:00	9.3	221.3
28/02/2016 13:00	7.5	213
28/02/2016 14:00	7.9	212
28/02/2016 15:00	8.3	209.4
28/02/2016 16:00	7.8	211.4
28/02/2016 17:00	7.8	209.3
28/02/2016 18:00	6.5	211
28/02/2016 19:00	6.7	213.9
28/02/2016 20:00	8.9	212.1
28/02/2016 21:00	7	213
28/02/2016 22:00	6.5	213.7
28/02/2016 23:00	6.4	212
	-	
05/03/2016 00:00	4.5	359
05/03/2016 01:00	5.3	8.9
05/03/2016 02:00	4.6	349.2
05/03/2016 03:00	4.3	333.9
05/03/2016 04:00	4.4	351.3
05/03/2016 05:00	4.5	44
05/03/2016 06:00	5	1.4
05/03/2016 07:00	4.7	349.1
05/03/2016 08:00	4.4	347.3
05/03/2016 09:00	4.1	8.4
05/03/2016 10:00	3.2	32.9
05/03/2016 11:00	3.3	33.2
05/03/2016 12:00	3.2	36.4
05/03/2016 13:00	2.8	26.9
05/03/2016 14:00	2.7	19
05/03/2016 15:00	2.4	18.5
05/03/2016 16:00	2.4	28.8
05/03/2016 17:00	3.9	28.9
05/03/2016 18:00	3.8	54.5
05/03/2016 19:00	4	94
05/03/2016 20:00	3.9	73.4
05/03/2016 21:00	2.3	44.3
05/03/2016 22:00	4	165.1
05/03/2016 23:00	3.3	140.7
11/03/2016 00:00	8.9	235.7
11/03/2016 01:00	5	338.2
11/03/2016 02:00	3.8	20.7
11/03/2016 03:00	2.7	20.5
11/03/2016 04:00	0.9	1.6
11/03/2016 05:00	5.4	290.4
11/03/2016 06:00	14.6	27.7
11/03/2016 07:00	11	295.7
11/03/2016 08:00	5.5	318.8
11/03/2016 09:00	8.7	153.4
11/03/2016 10:00	4.5	328.9
·····	-	

Data 9 Time	WS	WD
Date & Time	mph	Deg
11/03/2016 11:00	4.3	335
11/03/2016 12:00	4.8	308
11/03/2016 13:00	3.9	305.2
11/03/2016 14:00	3.9	337.2
11/03/2016 15:00	4.9	330.3
11/03/2016 16:00	4.8	328.2
11/03/2016 17:00	4.7	324.9
11/03/2016 18:00	6.8	218.1
11/03/2016 19:00	3.4	321.8
11/03/2016 20:00	3.3	327.3
11/03/2016 21:00	3.2	328.8
11/03/2016 22:00	2.9	337.7
11/03/2016 23:00	2	355.3
	• •	
17/03/2016 00:00	3.7	76.1
17/03/2016 01:00	3.1	75
17/03/2016 02:00	2.6	105.7
17/03/2016 03:00	1.7	103
17/03/2016 04:00	2	306.2
17/03/2016 05:00	9.6	294.4
17/03/2016 06:00	14.6	10
17/03/2016 07:00	7.9	218.1
17/03/2016 08:00	28.9	47.3
17/03/2016 09:00	9.9	212.2
17/03/2016 10:00	5.1	216.6
17/03/2016 11:00	13.1	72.6
17/03/2016 12:00	8.3	297.5
17/03/2016 13:00	8.7	282.2
17/03/2016 14:00	11.9	263.5
17/03/2016 15:00	7.4	302.7
17/03/2016 16:00	8.1	302.7
17/03/2016 17:00	5	253.9
17/03/2016 18:00	14.6	41.3
17/03/2016 19:00	14.4	22.6
17/03/2016 20:00	6.1	341.7
17/03/2016 21:00	7.8	268.6
17/03/2016 22:00	12.1	34.4
17/03/2016 23:00	12.4	32.2
11/00/2010 20:00		02.12
23/03/2016 00:00	11	231.7
23/03/2016 01:00	13.5	253.3
23/03/2016 02:00	72	215.7
23/03/2016 03:00	12 1	249.8
23/03/2016 04:00	8.4	222 8
23/03/2016 05:00	10.7	228.2
23/03/2016 06:00	11.2	253.1
23/03/2016 07:00	14 3	233.1
23/03/2016 08:00	11 7	210.0
23/03/2016 00:00	11.0	207.2
20,00,2010 00.00	11.0	210.0

Dete 9 Time	WS	WD
Date & Time	mph	Deg
23/03/2016 10:00	9.9	263.2
23/03/2016 11:00	12.9	296.6
23/03/2016 12:00	10.6	264.5
23/03/2016 13:00	8.5	266
23/03/2016 14:00	13.4	288.2
23/03/2016 15:00	8.5	269.5
23/03/2016 16:00	10.4	261.4
23/03/2016 17:00	14.2	346.1
23/03/2016 18:00	10.3	182.5
23/03/2016 19:00	5.7	149.9
23/03/2016 20:00	0.9	200.9
23/03/2016 21:00	5.8	23.6
23/03/2016 22:00	5.2	22.1
23/03/2016 23:00	4.4	20.6
29/03/2016 00:00	11.4	291.5
29/03/2016 01:00	11.1	293.3
29/03/2016 02:00	9.9	294.2
29/03/2016 03:00	8.1	290.7
29/03/2016 04:00	7.8	292.2
29/03/2016 05:00	8.5	295.8
29/03/2016 06:00	7.9	293.7
29/03/2016 07:00	8.4	295.1
29/03/2016 08:00	9.6	291.9
29/03/2016 09:00	10.1	289.8
29/03/2016 10:00	9.3	294.5
29/03/2016 11:00	8.9	300.7
29/03/2016 12:00	7.9	308.2
29/03/2016 13:00	7.5	316
29/03/2016 14:00	6.9	309.9
29/03/2016 15:00	8.2	310.8
29/03/2016 16:00	6.9	313.8
29/03/2016 17:00	6.1	312.4
29/03/2016 18:00	5.5	318.5
29/03/2016 19:00	5.1	317.7
29/03/2016 20:00	7.5	307.1
29/03/2016 21:00	5.4	341.7
29/03/2016 22:00	5.2	351.8
29/03/2016 23:00	3.6	358.8

APPENDIX C

Flow Rate and Volume

formaldehyde001 Ch. 1 Cartridge Started Thursday, January 07, 2016 6:00:00 Flow Rate Set Point 1.00 l/min Stopped Thursday, January 07, 2016 18:00:24 Total Volume 713.16 liters Total Sample Time 12.00 hours Average Flow Rate 0.000 l/min Minimum Flow Rate 0.000 l/min Maximum Flow Rate 400.000 l/min Pre Start Leak Rate -0.004 l/min Ending Leak Rate -0.005 l/min Flow Controller Zero -0.004 l/min Error Code 0 Error Status OK No Errors

agms5

Time	Flow Rate	Volume	Temp)
			1	
Thursday, January 0	7, 2016 6:00:	27 0.076	0.23	50.0
Thursday, January 0	7, 2016 6:05:	28 0.991	5.20	49.7
Thursday, January 0	7, 2016 6:10:	28 0.991	10.15	50.2
Thursday, January 0	7, 2016 6:15:	29 0.991	15.12	50.1
Thursday, January 0	7, 2016 6:20:	29 0.991	20.08	50.1
Thursday, January 0	7, 2016 6:25:	29 0.991	25.03	50.2
Thursday, January 0	7, 2016 6:30:	30 0.991	30.00	50.2
Thursday, January 0	7, 2016 6:35:	30 0.991	34.95	50.1
Thursday, January 0	7, 2016 6:40:	31 0.991	39.92	50.0
Thursday, January 0	7, 2016 6:45:	31 0.991	44.88	50.1
Thursday, January 0	7, 2016 6:50:	31 0.991	49.83	49.7
Thursday, January 0	7, 2016 6:55:	32 0.991	54.80	50.2
Thursday, January 0	7, 2016 7:00:	32 0.991	59.75	50.3
Thursday, January 0	7, 2016 7:05:	33 0.991	64.72	50.1
Thursday, January 0	7, 2016 7:10:	33 0.991	69.68	50.0
Thursday, January 0	7, 2016 7:15:	33 0.991	74.63	49.6
Thursday, January 0	7, 2016 7:20:	34 0.991	79.60	50.2
Thursday, January 0	7, 2016 7:25:	34 0.991	84.56	50.1
Thursday, January 0	7, 2016 7:30:	35 0.991	89.53	50.3
Thursday, January 0	7, 2016 7:35:	35 0.991	94.48	50.0
Thursday, January 0	7, 2016 7:40:	35 0.991	99.43	49.9
Thursday, January 0	7, 2016 7:45:	36 0.991	104.40	50.1
Thursday, January 0	7, 2016 7:50:	36 0.991	109.36	50.1
Thursday, January 0	7, 2016 7:55:	37 0.991	114.33	50.1
Thursday, January 0	7, 2016 8:00:	37 0.991	119.28	50.1
Thursday, January 0	7, 2016 8:05:	37 0.991	124.23	49.8
Thursday, January 0	7, 2016 8:10:	38 0.991	129.20	50.1
Thursday, January 0	7, 2016 8:15:	38 0.991	134.16	50.0
Thursday, January 0	7, 2016 8:20:	39 0.991	139.13	49.7
Thursday, January 0	7, 2016 8:25:	39 0.991	144.08	50.2
Thursday, January 0	7, 2016 8:30:	40 0.991	149.05	50.1
Thursday, January 0	7, 2016 8:35:	40 0.991	154.00	50.2
Thursday, January 0	7, 2016 8:40:	40 0.991	158.96	49.9

Thursday, January 07, 2016 8:45:41 0.991	163.93	49.7
Thursday, January 07, 2016 8:50:41 0.991	168.88	50.1
Thursday, January 07, 2016 8:55:42 0.991	173.85	50.1
Thursday, January 07, 2016 9:00:42 0.991	178.81	50.1
Thursday, January 07, 2016 9:05:43 0.991	183.78	50.1
Thursday, January 07, 2016 9:10:43 0.991	188.73	49.8
Thursday, January 07, 2016 9:15:43 0.991	193.68	50.3
Thursday, January 07, 2016 9:20:44 0.991	198.65	50.3
Thursday, January 07, 2016 9:25:44 0.991	203.61	49.5
Thursday, January 07, 2016 9:30:45 0.991	208.58	50.2
Thursday, January 07, 2016 9:35:45 0 991	213.53	49.6
Thursday, January 07, 2016 9:40:45 0 991	218.48	50.1
Thursday, January 07, 2016 9:45:46 0 991	223 45	50.2
Thursday, January 07, 2016 9:50:46 0 991	228.13	49 3
Thursday, January 07, 2016 9:55:47 0 991	220.41	50 1
Thursday, January 07, 2016 10:00:47 0 991	235.50	50.1
Thursday, January 07, 2016 10:00:47 0.991 Thursday January 07, 2016 10:05:47 0.991	230.33	70.2 70.3
Thursday, January 07, 2016 10:03:47 0.991 Thursday, January 07, 2016 10:10:48 0.901	2+3.27 2/8.26	- 7.5
Thursday, January 07, 2016 10:10:40 0.001	2+0.20	50.0
Thursday, January 07, 2016 10:15:46 0.991 Thursday, January 07, 2016 10:20:40 0.001	253.21	50.1
Thursday, January 07, 2016 10:20:49 0.991 Thursday, January 07, 2016 10:25:40 0.001	250.10	50.0
Thursday, January 07, 2016 10:23:49 0.991 Thursday, January 07, 2016 10:20:40 0.001	203.13	JU.1 40.9
Thursday, January 07, 2016 10:30:49 0.991 Thursday, January 07, 2016 10:25:50 0.001	208.09	49.8
Thursday, January 07, 2016 10:55:50 0.991	273.00	49.5
Thursday, January 07, 2016 10:40:30 0.991 Thursday, January 07, 2016 10:45:51 0.001	2/8.01	50.2
Thursday, January 07, 2016 10:45:51 0.991	282.98	50.1
Thursday, January 07, 2016 10:50:51 0.991	287.94	50.1
Thursday, January 07, 2016 10:55:52 0.991	292.91	50.2
Thursday, January 07, 2016 11:00:52 0.991	297.86	50.2
Thursday, January 07, 2016 11:05:52 0.991	302.82	50.2
Thursday, January 07, 2016 11:10:53 0.991	307.79	50.0
Thursday, January 07, 2016 11:15:53 0.991	312.74	50.3
Thursday, January 07, 2016 11:20:54 0.991	317.71	50.1
Thursday, January 07, 2016 11:25:54 0.991	322.66	50.1
Thursday, January 07, 2016 11:30:55 0.991	327.63	49.4
Thursday, January 07, 2016 11:35:55 0.991	332.59	50.1
Thursday, January 07, 2016 11:40:55 0.991	337.54	49.7
Thursday, January 07, 2016 11:45:56 0.991	342.51	50.2
Thursday, January 07, 2016 11:50:56 0.991	347.47	50.0
Thursday, January 07, 2016 11:55:57 0.991	352.44	50.0
Thursday, January 07, 2016 12:00:57 0.991	357.39	50.2
Thursday, January 07, 2016 12:05:57 0.991	362.34	50.1
Thursday, January 07, 2016 12:10:58 0.991	367.31	50.1
Thursday, January 07, 2016 12:15:58 0.991	372.27	50.1
Thursday, January 07, 2016 12:20:59 0.991	377.24	49.4
Thursday, January 07, 2016 12:25:59 0.991	382.19	50.1
Thursday, January 07, 2016 12:31:00 0.991	387.16	50.1
Thursday, January 07, 2016 12:36:00 0.991	392.12	50.3
Thursday, January 07, 2016 12:41:00 0.991	397.07	50.1
Thursday, January 07, 2016 12:46:01 0.991	402.04	50.1
Thursday, January 07, 2016 12:51:01 0.991	406.99	50.1
Thursday, January 07, 2016 12:56:02 0.991	411.96	50.1
Thursday, January 07, 2016 13:01:02 0.991	416.92	50.1
Thursday, January 07, 2016 13:06:03 0.991	421.89	50.4
Thursday, January 07, 2016 13:11:03 0.991	426.84	50.3

Thursday, January 07, 2016 13:16:04 0.991	431.81	50.1
Thursday, January 07, 2016 13:21:04 0.991	436.76	50.1
Thursday, January 07, 2016 13:26:04 0.991	441.72	50.3
Thursday, January 07, 2016 13:31:05 0.991	446.69	50.2
Thursday, January 07, 2016 13:36:05 0.991	451.64	50.2
Thursday, January 07, 2016 13:41:06 0.991	456.61	49.4
Thursday, January 07, 2016 13:46:06 0.991	461.57	50.3
Thursday, January 07, 2016 13:51:07 0.991	466.54	49.8
Thursday, January 07, 2016 13:56:07 0.991	471.49	50.0
Thursday, January 07, 2016 14:01:07 0.991	476.44	50.1
Thursday, January 07, 2016 14:06:08 0.991	481.41	50.2
Thursday, January 07, 2016 14:11:08 0.991	486.37	49.7
Thursday, January 07, 2016 14:16:09 0.991	491.34	49.9
Thursday, January 07, 2016 14:21:09 0.991	496.29	49.8
Thursday, January 07, 2016 14:26:10 0.991	501.26	49.1
Thursday, January 07, 2016 14:31:10 0.991	506.22	50.1
Thursday, January 07, 2016 14:36:10,0.991	511 17	50.2
Thursday, January 07, 2016 14:41:11 0 991	516.14	50.2
Thursday, January 07, 2016 14:46:11 0 991	521.09	50.4
Thursday, January 07, 2016 14:51:12 0 991	526.06	50.3
Thursday, January 07, 2016 14:56:12 0.991	531.02	49 7
Thursday, January 07, 2016 15:01:13 0 991	535.99	49.8
Thursday, January 07, 2016 15:06:13 0 991	540.94	1 2.0
Thursday, January 07, 2016 15:00:15 0.991 Thursday, January 07, 2016 15:11:14 0 991	545.91	<i>J</i> 0.0 <i>I</i> 9.6
Thursday, January 07, 2016 15:11:14 0.991	550.86	1 9.0
Thursday, January 07, 2016 15:10:14 0.991	555 82	50.1
Thursday, January 07, 2016 15:26:15 0 991	560 78	50.1
Thursday, January 07, 2016 15:20:15 0.991	565 74	50.4
Thursday, January 07, 2016 15:36:16 0 991	570 71	<i>J</i> 0. <i>J</i>
Thursday, January 07, 2016 15:30:10 0.991	575.66	-
Thursday, January 07, 2016 15:46:17 0 991	580.63	50.1
Thursday, January 07, 2016 15:51:17 0.991	585 58	50.2
Thursday, January 07, 2016 15:56:18 0 991	505.50	<u> 30.2</u> Д9 Д
Thursday, January 07, 2016 16:01:18 0.991	595 51	
Thursday, January 07, 2016 16:06:19 0 991	600.48	50.1
Thursday, January 07, 2016 16:00.19 0.991	605.43	50.2
Thursday, January 07, 2010 10:11:19 0:991 Thursday, January 07, 2016 16:16:10,0.001	610.38	J0.J 10.7
Thursday, January 07, 2016 16:10:19 0.991	615 35	чу.7 Л9 Л
Thursday, January 07, 2016 16:26:20 0.991	620 31	+2.+ 50.2
Thursday, January 07, 2016 16:20:20 0.991 Thursday, January 07, 2016 16:31:21 0 991	625.28	<i>J</i> 0.2 <i>J</i> 0.2
Thursday, January 07, 2016 16:36:21 0.991	630.23	1 2.0
Thursday, January 07, 2010 10:50:21 0:591 Thursday, January 07, 2016 16:41:22 0 991	635.20	<i>J</i> 0.2 <i>J</i> 0.2
Thursday, January 07, 2010 10.41.22 0.991 Thursday, January 07, 2016 16:46:22 0.991	640 15	+2.0 50.5
Thursday, January 07, 2016 16:51:22 0.991	645 11	<i>J</i> 0. <i>J</i> <i>J</i> 0. <i>S</i>
Thursday, January 07, 2010 10:51:22 0:991	650.08	$\frac{1}{502}$
Thursday, January 07, 2010 10:50:25 0:551 Thursday, January 07, 2016 17:01:23 0.901	655.03	50.2
Thursday, January 07, 2016 17:06:24 0 001	660.00	50.0
Thursday January 07, 2010 17.00.24 0.991 Thursday January 07, 2016 17.11.94 0.001	664 95	<u>70</u> 0
Thursday, January 07, 2016 17:16:25 0 001	660.02	49.9 50.0
Thursday, January 07, 2010 17.10.23 0.991 Thursday, January 07, 2016 17.21.25 0.001	671 QQ	70.0 70.9
Thursday, January $07, 2010, 17.21.23, 0.991$ Thursday, January $07, 2016, 17.26.25, 0.001$	670.83	+9.0 50 1
Thursday January 07, 2010 17.20.23 0.991 Thursday January 07, 2016 17.21.26 0.001	68/ 80	70.1 70 7
Thursday January 07, 2010 17.31.20 0.991 Thursday January 07, 2016 17.36.26 0.001	680 75	4 2.7 50.3
Thursday, January 07, $2010 17.30.200.991$ Thursday, January 07, $2016 17.41.270.001$	601 77	50.5 50 1
1 nursuay, January 07, 2010 17.41.27 0.991	074.12	50.1

Thursday, January 07, 2016 17:46:27 0.991	699.68	50.1
Thursday, January 07, 2016 17:51:28 0.991	704.65	50.6
Thursday, January 07, 2016 17:56:28 0.991	709.60	50.0
Thursday, January 07, 2016 18:00:03 0.991	713.15	50.3

aqms5 formaldehyde002 Ch. 2 Cartridge Started Thursday, January 07, 2016 18:15:05 Flow Rate Set Point 1.00 l/min Stopped Friday, January 08, 2016 6:15:24 Total Volume 712.77 liters Total Sample Time 12.00 hours Average Flow Rate 0.000 l/min Minimum Flow Rate 0.000 l/min Maximum Flow Rate 0.000 l/min Pre Start Leak Rate 0.009 l/min Ending Leak Rate 0.009 l/min Flow Controller Zero -0.005 l/min Error Code 0 Error Status OK No Errors

Time	Flow Rate	Volume	Temp	
Thursdoy, January O	7 2016 10.15	.22 0 001	0.22	50.1
Thursday, January O	7,2010 18.13	.32 0.091	0.22 5 1 0	50.2
Thursday, January 0	7,2010 18:20	.32 0.991	J.18 10.14	50.5
Thursday, January 0	7,2010 18:23	.22 0 000	10.14	50.5
Thursday, January 0	7,2010 18:30 7,2016 19:25	.33 0.990	13.10	50.1
Thursday, January O	7,2010 18:33	.34 0.990	20.00	50.1
Thursday, January O	7,2010 18:40 7,2016 18:45	.34 0.990	23.02	50.2
Thursday, January 0	7, 2016 18:45 7, 2016 18:50	:34 0.990	29.97	50.2
Thursday, January 0	7, 2016 18:50 7, 2016 18:55	.25 0.990	34.93	50.0
Thursday, January O	7,2016 18:33	.26 0 000	39.00 11.05	50.1
Thursday, January 0	7,2016 19:00	:36 0.990	44.85	50.5
Thursday, January 0	7,2016 19:05	.30 0.990	49.80	50.5 40.8
Thursday, January 0	7,2016 19:10 7,2016 10:15	.27 0.990	54.77	49.8
Thursday, January 0	7,2016 19:15	.28 0 000	59.72	49.7
Thursday, January 0	7,2016 19:20	:38 0.990	64.69	50.4
Thursday, January 0	7, 2016 19:25	:38 0.990	09.04 74.50	49.4
Thursday, January 0	7,2016 19:30	:38 0.990	74.59	50.0
Thursday, January 0	7, 2016 19:35	:39 0.990	/9.50	50.4
Thursday, January 0	7, 2016 19:40 7, 2016 10:45	.40.0.000	84.51	50.2
Thursday, January 0	7, 2016 19:45	:40 0.990	89.48	50.4
Thursday, January 0	7, 2016 19:50	:40 0.990	94.43	50.3
Thursday, January 0	7, 2016 19:55	:41 0.990	99.40	50.0
Thursday, January 0	7, 2016 20:00	:41 0.990	104.35	50.4
Thursday, January 0	7, 2016 20:05	:42 0.990	109.32	50.1
Thursday, January 0	7, 2016 20:10	:42 0.990	114.27	50.1
Thursday, January 0	7, 2016 20:15	:42 0.990	119.22	50.4
Thursday, January 0	7, 2016 20:20	:43 0.990	124.19	50.3
Thursday, January 0	7, 2016 20:25	:43 0.990	129.14	49.9
Thursday, January 0	7, 2016 20:30	:44 0.990	134.11	50.3
Thursday, January 0	/, 2016 20:35	:44 0.990	139.06	50.3
Thursday, January 0	7, 2016 20:40	:45 0.990	144.03	50.3
Thursday, January 0'	/, 2016 20:45	:45 0.990	148.98	50.2
Thursday, January 0'	/, 2016 20:50	:46 0.990	153.95	49.9
Thursday, January 0'	7, 2016 20:55	:46 0.990	158.90	50.1

Thursday, January 07, 2016 21:00:46 0.990	163.85	50.4
Thursday, January 07, 2016 21:05:47 0.990	168.82	50.3
Thursday, January 07, 2016 21:10:47 0.990	173.77	50.1
Thursday, January 07, 2016 21:15:48 0.990	178.73	50.1
Thursday, January 07, 2016 21:20:48 0.990	183.69	49.7
Thursday, January 07, 2016 21:25:49 0.990	188.65	50.2
Thursday, January 07, 2016 21:30:49 0.990	193.61	50.1
Thursday, January 07, 2016 21:35:49 0.990	198.56	50.3
Thursday, January 07, 2016 21:40:50 0.990	203.52	50.2
Thursday, January 07, 2016 21:45:50 0.990	208.48	50.1
Thursday, January 07, 2016 21:50:51 0.990	213.44	50.2
Thursday, January 07, 2016 21:55:51 0.990	218.39	49.9
Thursday, January 07, 2016 22:00:52 0.990	223.36	49.9
Thursday, January 07, 2016 22:05:52 0.990	228.31	50.1
Thursday, January 07, 2016 22:10:53 0.990	233.28	50.3
Thursday, January 07, 2016 22:15:53 0.990	238.23	49.9
Thursday, January 07, 2016 22:20:53 0.990	243.18	49.7
Thursday, January 07, 2016 22:25:54 0.990	248.15	50.2
Thursday, January 07, 2016 22:30:54 0.990	253.10	50.3
Thursday, January 07, 2016 22:35:55 0.990	258.07	50.1
Thursday, January 07, 2016 22:40:55 0.990	263.02	49.9
Thursday, January 07, 2016 22:45:56 0.990	267.99	50.3
Thursday, January 07, 2016 22:50:56 0.990	272.94	49.6
Thursday, January 07, 2016 22:55:56 0.990	277.89	49.8
Thursday, January 07, 2016 23:00:57 0.990	282.86	50.0
Thursday, January 07, 2016 23:05:57 0.990	287.81	50.3
Thursday, January 07, 2016 23:10:58 0.990	292.78	50.3
Thursday, January 07, 2016 23:15:58 0.990	297.73	50.0
Thursday, January 07, 2016 23:20:59 0.990	302.70	49.7
Thursday, January 07, 2016 23:25:59 0.990	307.65	49.7
Thursday, January 07, 2016 23:31:00 0.990	312.62	50.1
Thursday, January 07, 2016 23:36:00 0.990	317.57	50.1
Thursday, January 07, 2016 23:41:00 0.990	322.52	50.0
Thursday, January 07, 2016 23:46:01 0.990	327.49	50.1
Thursday, January 07, 2016 23:51:01 0.990	332.44	50.2
Thursday, January 07, 2016 23:56:02 0.990	337.41	50.3
Friday, January 08, 2016 0:01:02 0.990 34	2.36 4	.9.8
Friday, January 08, 2016 0:06:03 0.990 34	7.33 5	0.3
Friday, January 08, 2016 0:11:03 0.990 35	2.28 5	0.1
Friday, January 08, 2016 0:16:04 0.990 35	7.25 5	0.1
Friday, January 08, 2016 0:21:04 0.990 36	2.20 5	0.4
Friday, January 08, 2016 0:26:04 0.990 36	7.15 4	.9.7
Friday, January 08, 2016 0:31:05 0.990 37	2.12 4	.9.7
Friday, January 08, 2016 0:36:05 0.990 37	/.0/ 4	.9.7
Friday, January 08, 2016 0:41:06 0.990 383	2.04 5	0.1
Friday, January 08, 2016 0:46:06 0.990 38	6.99 4	9.9
Friday, January 08, 2016 0:51:07 0.990 39	1.96 5	0.2
Friday, January 08, 2016 0:56:07 0.990 39	6.91 5	0.1
Friday, January 08, 2016 1:01:07 0.990 40	1.86 5	0.0
Friday, January 08, 2016 1:06:08 0.990 40	0.83 5	0.1
Friday, January 08, 2016 1:11:08 0.990 41	1./8 5	0.1
Friday, January 08, 2016 1:16:09 0.990 41	0./3 3 170 7	0.1
Friday, January 08, 2016 1:21:09 0.990 42	1./U)	0.0
rnuay, January 08, 2016 1:26:09 0.990 42	0.03 3	0.1

Friday, January 08, 2016 1:31:10 0.990	431.62	50.3
Friday, January 08, 2016 1:36:10 0.990	436.57	50.1
Friday, January 08, 2016 1:41:11 0.990	441.54	50.0
Friday, January 08, 2016 1:46:11 0.990	446.49	50.3
Friday, January 08, 2016 1:51:12 0.990	451.46	50.1
Friday, January 08, 2016 1:56:12 0.990	456.41	49.9
Friday, January 08, 2016 2:01:12 0.990	461.36	49.7
Friday, January 08, 2016 2:06:13 0.990	466.33	49.7
Friday, January 08, 2016 2:11:13 0.990	471.28	49.8
Friday, January 08, 2016 2:16:14 0.990	476.25	50.1
Friday, January 08, 2016 2:21:14 0.990	481.20	49.8
Friday, January 08, 2016 2:26:14 0.990	486.15	50.1
Friday, January 08, 2016 2:31:15 0.990	491.12	50.2
Friday, January 08, 2016 2:36:15 0.990	496.07	49.8
Friday, January 08, 2016 2:41:16 0.990	501.04	50.1
Friday, January 08, 2016 2:46:16 0.990	505.99	50.3
Friday, January 08, 2016 2:51:17 0.990	510.95	50.3
Friday, January 08, 2016 2:56:17 0.990	515.91	50.1
Friday, January 08, 2016 3:01:17 0.990	520.86	50.0
Friday, January 08, 2016 3:06:18 0.990	525.83	50.1
Friday, January 08, 2016 3:11:18 0.990	530.78	49.7
Friday, January 08, 2016 3:16:19 0.990	535.75	50.1
Friday, January 08, 2016 3:21:19 0.990	540.70	50.1
Friday, January 08, 2016 3:26:19 0.990	545.65	50.1
Friday, January 08, 2016 3:31:20 0.990	550.62	50.1
Friday, January 08, 2016 3:36:20 0.990	555.57	50.2
Friday, January 08, 2016 3:41:21 0.990	560.54	50.2
Friday, January 08, 2016 3:46:21 0.990	565.49	49.7
Friday, January 08, 2016 3:51:22 0.990	570.46	50.1
Friday, January 08, 2016 3:56:22 0.990	575.41	50.1
Friday, January 08, 2016 4:01:22 0.990	580.36	50.2
Friday, January 08, 2016 4:06:23 0.990	585.33	49.7
Friday, January 08, 2016 4:11:23 0.990	590.28	49.7
Friday, January 08, 2016 4:16:24 0.990	595.25	50.0
Friday, January 08, 2016 4:21:24 0.990	600.20	50.0
Friday, January 08, 2016 4:26:25 0.990	605.17	50.2
Friday, January 08, 2016 4:31:25 0.990	610.12	50.1
Friday, January 08, 2016 4:36:25 0.990	615.08	49.7
Friday, January 08, 2016 4:41:26 0.990	620.04	50.0
Friday, January 08, 2016 4:46:26 0.990	625.00	50.2
Friday, January 08, 2016 4:51:27 0.990	629.96	50.2
Friday, January 08, 2016 4:56:27 0.990	634.92	49.7
Friday, January 08, 2016 5:01:28 0.990	639.88	49.8
Friday, January 08, 2016 5:06:28 0.990	644.84	50.0
Friday, January 08, 2016 5:11:28 0.990	649.79	50.1
Friday, January 08, 2016 5:16:29 0.990	654.76	50.1
Friday, January 08, 2016 5:21:29 0.990	659.71	50.1
Friday, January 08, 2016 5:26:30 0.990	664.68	50.3
Friday, January 08, 2016 5:31:30 0.990	009.03	50.2
Friday, January 08, 2016 5:36:30 0.990	0/4.58	50.0
Friday, January 08, 2016 5:41:31 0.990	0/9.55	50.1
Friday, January 08, 2016 5:46:31 0.990	084.50	50.1
Friday, January 08, 2016 5:51:32 0.990	089.47	50.1
Friday, January 08, 2016 5:56:32 0.990	094.42	50.2

Friday, January 08, 2016 6:01:32 0.990	699.37	50.1
Friday, January 08, 2016 6:06:33 0.990	704.34	50.2
Friday, January 08, 2016 6:11:33 0.990	709.29	50.0
Friday, January 08, 2016 6:15:03 0.990	712.76	50.1

formaldehyde001 Ch. 1 Cartridge Started Monday, January 11, 2016 6:00:02 Flow Rate Set Point 1.00 l/min Stopped Monday, January 11, 2016 18:00:24 Total Volume 713.15 liters Total Sample Time 12.00 hours Average Flow Rate 0.000 l/min Minimum Flow Rate 0.000 l/min Maximum Flow Rate 0.000 l/min Pre Start Leak Rate -0.003 l/min Ending Leak Rate -0.004 l/min Flow Controller Zero -0.004 l/min Error Code 0 Error Status OK No Errors

agms5

Time	Flow	Rate	Volume	Tem	р
Monday, January 11,	2016	6:00:29	0.078	0.23	50.1
Monday, January 11,	2016	6:05:30	0.991	5.20	50.1
Monday, January 11,	2016	6:10:30	0.991	10.15	50.2
Monday, January 11,	2016	6:15:30	0.991	15.11	49.9
Monday, January 11,	2016	6:20:31	0.991	20.08	50.2
Monday, January 11,	2016	6:25:31	0.991	25.03	49.7
Monday, January 11,	2016	6:30:32	0.991	30.00	50.2
Monday, January 11,	2016	6:35:32	0.991	34.95	50.1
Monday, January 11,	2016	6:40:33	0.991	39.92	50.1
Monday, January 11,	2016	6:45:33	0.991	44.88	49.8
Monday, January 11,	2016	6:50:34	0.991	49.85	49.8
Monday, January 11,	2016	6:55:34	0.991	54.80	50.2
Monday, January 11,	2016	7:00:34	0.991	59.76	50.0
Monday, January 11,	2016	7:05:35	0.991	64.73	50.1
Monday, January 11,	2016	7:10:35	0.991	69.68	50.4
Monday, January 11,	2016	7:15:36	0.991	74.65	49.7
Monday, January 11,	2016	7:20:36	0.991	79.60	50.0
Monday, January 11,	2016	7:25:37	0.991	84.57	50.2
Monday, January 11,	2016	7:30:37	0.991	89.53	50.2
Monday, January 11,	2016	7:35:38	0.991	94.50	50.0
Monday, January 11,	2016	7:40:38	0.991	99.45	50.0
Monday, January 11,	2016	7:45:38	0.991	104.41	50.1
Monday, January 11,	2016	7:50:39	0.991	109.38	50.1
Monday, January 11,	2016	7:55:39	0.991	114.33	50.0
Monday, January 11,	2016	8:00:40	0.991	119.30	50.4
Monday, January 11,	2016	8:05:40	0.991	124.25	50.2
Monday, January 11,	2016	8:10:41	0.991	129.23	49.7
Monday, January 11,	2016	8:15:41	0.991	134.18	50.4
Monday, January 11,	2016	8:20:42	0.991	139.15	50.1
Monday, January 11,	2016	8:25:42	0.991	144.10	50.2
Monday, January 11,	2016	8:30:42	0.991	149.06	50.1
Monday, January 11,	2016	8:35:43	0.991	154.03	50.0
Monday, January 11,	2016	8:40:43	0.991	158.98	50.0

Monday, January 11, 2016 8:45:44 0.991	163.95	50.1
Monday, January 11, 2016 8:50:44 0.991	168.91	49.6
Monday, January 11, 2016 8:55:45 0.991	173.88	49.9
Monday, January 11, 2016 9:00:45 0.991	178.83	50.1
Monday, January 11, 2016 9:05:46 0.991	183.80	50.1
Monday, January 11, 2016 9:10:46 0.991	188.75	50.1
Monday, January 11, 2016 9:15:46 0.991	193.71	49.9
Monday, January 11, 2016 9:20:47 0.991	198.68	49.5
Monday, January 11, 2016 9:25:47 0.991	203.63	49.7
Monday, January 11, 2016 9:30:48 0.991	208.60	49.8
Monday, January 11, 2016 9:35:48 0.991	213.56	49.8
Monday, January 11, 2016 9:40:49 0.991	218.53	49.9
Monday, January 11, 2016 9:45:49 0.991	223.48	50.0
Monday, January 11, 2016 9:50:49 0 991	228.43	50.1
Monday, January 11, 2016 9:55:50 0 991	233 41	50.1
Monday, January 11, 2016 10:00:50 0 991	238 36	50.2
Monday, January 11, 2016 10:05:51 0 991	230.30	50.2
Monday, January 11, 2016 10:00:51 0:991	248.28	50.2
Monday, January 11, 2016 10:10:51 0.991	253.25	50.1
Monday, January 11, 2016 10:13:52 0.991	253.25	50.4
Monday, January 11, 2016 10:20:52 0.991	250.21	<i>J</i> 0.2 <i>J</i> 0.3
Monday, January 11, 2010 10:23:55 0.991	263.10	49.5
Monday, January 11, 2010 10:30:35 0.991	208.13	4).7 50.1
Monday, January 11, 2016 10:55:55 0.991	273.09	50.1
Monday, January 11, 2016 10:40.34 0.991 Monday, January 11, 2016 10:45:54 0.901	278.00	50.1
Monday, January 11, 2016 10:43.34 0.991	203.01	50.0
Monday, January 11, 2016 10:50:55 0.001	207.90	50.1
Monday, January 11, 2016 10.55.55 0.991 Monday, January 11, 2016 11:00:56 0.001	292.94	50.1
Monday, January 11, 2016 11:00:36 0.991	297.91	50.0
Monday, January 11, 2016 11:05:30 0.991	207.80	50.0
Monday, January 11, 2016 11:10:30 0.991 Monday, January 11, 2016 11:15:57 0.001	212 79	50.1
Monday, January 11, 2016 11:15:57 0.991	312.78	50.1
Monday, January 11, 2016 11:20:57 0.991	217.74	50.2
Monday, January 11, 2016 11:23:38 0.991 Monday, January 11, 2016 11:20:58 0.001	322.71	50.1
Monday, January 11, 2016 11:50:58 0.991	327.00	50.2
Monday, January 11, 2016 11:55:59 0.991	332.03 227.50	50.1
Monday, January 11, 2016 11:40:59 0.991	24256	50.2
Monday, January 11, 2016 11:40:00 0.991	342.30	50.1
Monday, January 11, 2016 11:51:00 0.991	347.31	50.4
Monday, January 11, 2016 11:30:01 0.991	332.48 257 44	50.1
Monday, January 11, 2016 12:01:01 0.991	357.44	50.1 40.9
Monday, January 11, 2016 12:06:01 0.991	362.39	49.8
Monday, January 11, 2016 12:11:02 0.991	307.30	50.2
Monday, January 11, 2016 12:16:02 0.991	372.32	50.2
Monday, January 11, 2016 12:21:03 0.991	377.29	50.2
Monday, January 11, 2016 12:26:03 0.991	382.24	49.7
Monday, January 11, 2016 12:31:04 0.991	387.21	50.1
Monday, January 11, 2016 12:36:04 0.991	392.16	50.0
Monday, January 11, 2016 12:41:05 0.991	397.13	50.0
Monday, January 11, 2016 12:46:05 0.991	402.09	49.8
Monday, January 11, 2016 12:51:06 0.991	407.06	50.0
Monday, January 11, 2016 12:56:06 0.991	412.01	49.7
Monday, January 11, 2016 13:01:06 0.991	416.97	49.8
Monday, January 11, 2016 13:06:07 0.991	421.94	50.1
Monday, January 11, 2016 13:11:07 0.991	426.89	50.1

Monday, January 11, 2016 13:16:08 0.991	431.86	50.1
Monday, January 11, 2016 13:21:08 0.991	436.81	49.8
Monday, January 11, 2016 13:26:09 0.991	441.79	49.7
Monday, January 11, 2016 13:31:09 0.991	446.74	49.7
Monday, January 11, 2016 13:36:10 0.991	451.71	50.2
Monday, January 11, 2016 13:41:10 0.991	456.66	50.1
Monday, January 11, 2016 13:46:10 0.991	461.62	50.0
Monday, January 11, 2016 13:51:11 0.991	466.59	49.8
Monday, January 11, 2016 13:56:11 0.991	471.54	50.2
Monday, January 11, 2016 14:01:12 0.991	476.51	50.1
Monday, January 11, 2016 14:06:12 0.991	481.47	49.8
Monday, January 11, 2016 14:11:13 0.991	486.44	49.7
Monday, January 11, 2016 14:16:13 0.991	491.39	50.6
Monday, January 11, 2016 14:21:14 0.991	496.36	50.0
Monday, January 11, 2016 14:26:14 0.991	501.31	50.1
Monday, January 11, 2016 14:31:15 0.991	506.28	50.0
Monday, January 11, 2016 14:36:15 0.991	511.24	50.2
Monday, January 11, 2016 14:41:15 0.991	516.19	50.3
Monday, January 11, 2016 14:46:16 0.991	521.16	50.0
Monday, January 11, 2016 14:51:16 0.991	526.12	50.1
Monday, January 11, 2016 14:56:17 0.991	531.09	50.2
Monday, January 11, 2016 15:01:17 0.991	536.04	50.3
Monday, January 11, 2016 15:06:18 0.991	541.01	49.9
Monday, January 11, 2016 15:11:18 0.991	545.96	50.2
Monday, January 11, 2016 15:16:19 0.991	550.93	50.1
Monday, January 11, 2016 15:21:19 0.991	555.89	50.1
Monday, January 11, 2016 15:26:20 0.991	560.86	50.1
Monday, January 11, 2016 15:31:20 0.991	565.81	50.3
Monday, January 11, 2016 15:36:21 0.991	570.78	49.6
Monday, January 11, 2016 15:41:21 0.991	575.73	50.3
Monday, January 11, 2016 15:46:21 0.991	580.69	49.9
Monday, January 11, 2016 15:51:22 0.991	585.66	50.2
Monday, January 11, 2016 15:56:22 0.991	590.61	49.9
Monday, January 11, 2016 16:01:23 0.991	595.58	50.1
Monday, January 11, 2016 16:06:23 0.991	600.53	49.7
Monday, January 11, 2016 16:11:24 0.991	605.50	50.0
Monday, January 11, 2016 16:16:24 0.991	610.46	50.3
Monday, January 11, 2016 16:21:25 0.991	615.43	50.3
Monday, January 11, 2016 16:26:25 0.991	620.38	50.3
Monday, January 11, 2016 16:31:26 0.991	625.35	49.8
Monday, January 11, 2016 16:36:26 0.991	630.30	50.5
Monday, January 11, 2016 16:41:27 0.991	635.27	49.7
Monday, January 11, 2016 16:46:27 0.991	640.23	50.0
Monday, January 11, 2016 16:51:27 0.991	645.18	49.9
Monday, January 11, 2016 16:56:28 0.991	650.15	49.8
Monday, January 11, 2016 17:01:28 0.991	655.10	50.2
Monday, January 11, 2016 17:06:29 0.991	660.07	50.3
Monday, January 11, 2016 17:11:29 0.991	665.03	50.2
Monday, January 11, 2016 17:16:30 0.991	670.00	50.3
Monday, January 11, 2016 17:21:30 0.991	6/4.95	49./
Monday, January 11, 2016 17:26:31 0.991	6/9.92	50.3
Monday, January 11, 2016 17:31:31 0.991	084.87	50.3
Manday, January 11, 2016 17:36:32 0.991	089.84	50.2
Monday, January 11, 2016 17:41:32 0.991	694.80	50.3

Monday, January 11, 2016 17:46:33 0.991	699.77	50.1
Monday, January 11, 2016 17:51:33 0.991	704.72	50.2
Monday, January 11, 2016 17:56:33 0.991	709.68	50.1
Monday, January 11, 2016 18:00:03 0.991	713.14	50.1

aqms5 formaldehyde002 Ch. 2 Cartridge Started Monday, January 11, 2016 18:15:00 Flow Rate Set Point 1.00 l/min Stopped Tuesday, January 12, 2016 6:15:23 Total Volume 712.86 liters Total Sample Time 12.00 hours Average Flow Rate 0.000 l/min Minimum Flow Rate 0.000 l/min Maximum Flow Rate 400.000 l/min Pre Start Leak Rate 0.002 l/min Ending Leak Rate -0.004 l/min Flow Controller Zero -0.005 l/min Error Code 0 Error Status OK No Errors

Time	Flow	Rate	Volume	Temp	
Monday, January 11,	, 2016	18:15	:27 0.079	0.22	50.0
Monday, January 11,	, 2016	18:20	:27 0.991	5.18	50.2
Monday, January 11,	, 2016	18:25	:28 0.990	10.14	50.1
Monday, January 11,	, 2016	18:30	:28 0.990	15.10	50.1
Monday, January 11,	, 2016	18:35	:29 0.990	20.06	50.3
Monday, January 11,	, 2016	18:40	:29 0.990	25.01	50.4
Monday, January 11,	, 2016	18:45	:29 0.990	29.97	50.2
Monday, January 11,	, 2016	18:50	:30 0.990	34.93	50.2
Monday, January 11,	, 2016	18:55	:30 0.990	39.89	50.0
Monday, January 11,	, 2016	19:00	:31 0.990	44.85	50.1
Monday, January 11,	, 2016	19:05	:31 0.990	49.81	50.1
Monday, January 11,	, 2016	19:10	:32 0.990	54.77	50.1
Monday, January 11,	, 2016	19:15	:32 0.990	59.72	50.0
Monday, January 11,	, 2016	19:20	:33 0.990	64.69	50.0
Monday, January 11,	, 2016	19:25	:33 0.990	69.64	50.1
Monday, January 11,	, 2016	19:30	:34 0.990	74.61	50.4
Monday, January 11,	, 2016	19:35	:34 0.990	79.56	50.2
Monday, January 11,	, 2016	19:40	:34 0.990	84.51	50.0
Monday, January 11,	, 2016	19:45	:35 0.990	89.48	50.1
Monday, January 11,	, 2016	19:50	:35 0.990	94.43	50.0
Monday, January 11,	, 2016	19:55	:36 0.990	99.40	50.1
Monday, January 11,	, 2016	20:00	:36 0.990	104.35	50.2
Monday, January 11,	, 2016	20:05	:37 0.990	109.32	49.7
Monday, January 11,	, 2016	20:10	:37 0.990	114.27	50.1
Monday, January 11,	, 2016	20:15	:38 0.990	119.24	49.4
Monday, January 11,	, 2016	20:20	:38 0.990	124.19	50.3
Monday, January 11,	, 2016	20:25	:39 0.990	129.16	50.2
Monday, January 11,	, 2016	20:30	:39 0.990	134.11	50.1
Monday, January 11,	, 2016	20:35	:40 0.990	139.08	50.1
Monday, January 11,	, 2016	20:40	:40 0.990	144.03	49.8
Monday, January 11.	, 2016	20:45	:41 0.990	149.00	49.6
Monday, January 11.	, 2016	20:50	:41 0.990	153.95	50.0
Monday, January 11.	, 2016	20:55	:41 0.990	158.90	50.2

Monday, January 11, 2016 21:00:42 0.990	163.87	50.0
Monday, January 11, 2016 21:05:42 0.990	168.82	50.1
Monday, January 11, 2016 21:10:43 0.990	173.79	50.1
Monday, January 11, 2016 21:15:43 0.990	178.74	50.1
Monday, January 11, 2016 21:20:44 0.990	183.71	50.1
Monday, January 11, 2016 21:25:44 0.990	188.66	49.8
Monday, January 11, 2016 21:30:45 0.990	193.63	50.4
Monday, January 11, 2016 21:35:45 0.990	198.58	49.7
Monday, January 11, 2016 21:40:46 0.990	203.55	50.1
Monday, January 11, 2016 21:45:46 0.990	208.50	50.1
Monday, January 11, 2016 21:50:47 0.990	213.47	50.1
Monday, January 11, 2016 21:55:47 0.990	218.42	50.2
Monday, January 11, 2016 22:00:47 0.990	223.37	50.1
Monday, January 11, 2016 22:05:48 0.990	228.34	50.3
Monday, January 11, 2016 22:10:48 0.990	233.29	50.2
Monday, January 11, 2016 22:15:49 0.990	238.26	50.1
Monday, January 11, 2016 22:20:49 0.990	243.21	49.9
Monday, January 11, 2016 22:25:50 0.990	248.18	50.1
Monday, January 11, 2016 22:30:50 0.990	253.13	50.1
Monday, January 11, 2016 22:35:51 0.990	258.10	50.1
Monday, January 11, 2016 22:40:51 0.990	263.05	50.1
Monday, January 11, 2016 22:45:52 0.990	268.02	50.2
Monday, January 11, 2016 22:50:52 0.990	272.97	49.8
Monday, January 11, 2016 22:55:53 0.990	277.94	50.0
Monday, January 11, 2016 23:00:53 0.990	282.89	50.0
Monday, January 11, 2016 23:05:53 0.990	287.84	50.2
Monday, January 11, 2016 23:10:54 0.990	292.81	50.1
Monday, January 11, 2016 23:15:54 0.990	297.76	50.2
Monday, January 11, 2016 23:20:55 0.990	302.73	50.0
Monday, January 11, 2016 23:25:55 0.990	307.68	50.3
Monday, January 11, 2016 23:30:56 0.990	312.65	50.0
Monday, January 11, 2016 23:35:56 0.990	317.60	49.4
Monday, January 11, 2016 23:40:57 0.990	322.57	49.9
Monday, January 11, 2016 23:45:57 0.990	327.52	49.3
Monday, January 11, 2016 23:50:58 0.990	332.49	50.1
Monday, January 11, 2016 23:55:58 0.990	337.44	49.7
Tuesday, January 12, 2016 0:00:59 0.990	342.41	50.1
Tuesday, January 12, 2016 0:05:59 0.990	347.36	50.1
Tuesday, January 12, 2016 0:10:59 0.990	352.31	49.7
Tuesday, January 12, 2016 0:16:00 0.990	357.28	50.3
Tuesday, January 12, 2016 0:21:00 0.990	362.23	50.0
Tuesday, January 12, 2016 0:26:01 0.990	367.20	50.1
Tuesday, January 12, 2016 0:31:01 0.990	372.15	49.8
Tuesday, January 12, 2016 0:36:02 0.990	377.12	50.1
Tuesday, January 12, 2016 0:41:02 0.990	382.07	50.1
Tuesday, January 12, 2016 0:46:03 0.990	387.04	50.0
Tuesday, January 12, 2016 0:51:03 0.990	391.99	49.7
Tuesday, January 12, 2016 0:56:03 0.990	396.94	49.8
Tuesday, January 12, 2016 1:01:04 0.990	401.91	49.4
Tuesday, January 12, 2016 1:06:04 0.990	406.86	50.1
Tuesday, January 12, 2016 1:11:05 0.990	411.83	50.2
Tuesday, January 12, 2016 1:16:05 0.990	416.78	50.0
Tuesday, January 12, 2016 1:21:06 0.990	421.75	49.7
Tuesday, January 12, 2016 1:26:06 0.990	426.70	49.7

Tuesday, January 12, 2016 1:31:07 0.990	431.67	49.8
Tuesday, January 12, 2016 1:36:07 0.990	436.62	49.7
Tuesday, January 12, 2016 1:41:07 0.990	441.58	50.2
Tuesday, January 12, 2016 1:46:08 0.990	446.54	49.8
Tuesday, January 12, 2016 1:51:08 0.990	451.50	50.1
Tuesday, January 12, 2016 1:56:09 0.990	456.46	49.9
Tuesday, January 12, 2016 2:01:09 0.990	461.42	50.2
Tuesday, January 12, 2016 2:06:10 0.990	466.38	50.0
Tuesday, January 12, 2016 2:11:10 0.990	471.34	50.0
Tuesday, January 12, 2016 2:16:11 0.990	476.30	50.1
Tuesday, January 12, 2016 2:21:11 0.990	481.26	50.1
Tuesday, January 12, 2016 2:26:12 0.990	486.22	50.0
Tuesday, January 12, 2016 2:31:12 0.990	491.18	50.2
Tuesday, January 12, 2016 2:36:12 0.990	496.13	50.1
Tuesday, January 12, 2016 2:41:13 0.990	501.10	49.8
Tuesday, January 12, 2016 2:46:13 0.990	506.05	49.4
Tuesday, January 12, 2016 2:51:14 0.990	511.02	50.0
Tuesday, January 12, 2016 2:56:14 0.990	515.97	50.1
Tuesday, January 12, 2016 3:01:15 0.990	520.94	49.4
Tuesday, January 12, 2016 3:06:15 0.990	525.89	50.0
Tuesday, January 12, 2016 3:11:16 0.990	530.86	49.9
Tuesday, January 12, 2016 3:16:16 0.990	535.81	49.8
Tuesday, January 12, 2016 3:21:17 0.990	540.78	50.1
Tuesday, January 12, 2016 3:26:17 0 990	545.73	50.1
Tuesday, January 12, 2016 3:31:17 0 990	550.68	49.3
Tuesday, January 12, 2016 3:36:18 0 990	555.65	50.1
Tuesday, January 12, 2016 3:41:18 0 990	560.60	50.2
Tuesday, January 12, 2016 3:46:19 0 990	565.57	50.2
Tuesday, January 12, 2016 3:51:19 0 990	570 52	50. <u>1</u>
Tuesday, January 12, 2016 3:56:20 0 990	575.49	50.2
Tuesday, January 12, 2016 5:50:20 0:590 Tuesday, January 12, 2016 4:01:20 0 990	580.44	50.2
Tuesday, January 12, 2016 4:06:21 0 990	585 41	49.5
Tuesday, January 12, 2016 4:00:21 0:990	590.36	50.1
Tuesday, January 12, 2016 4:16:22 0 990	595 33	50.2
Tuesday, January 12, 2016 4:21:22 0.990	600 28	50.2
Tuesday, January 12, 2010 1.21.22 0.990	605.25	<u> </u>
Tuesday, January 12, 2010 4:20:23 0:990	610.20	4 9.0 50.1
Tuesday, January 12, $2010 \pm 31.23 \pm 0.990$ Tuesday, January 12, $2016 \pm 36.24 \pm 0.990$	615.17	50.1
Tuesday, January 12, 2010 $4:30.24 \ 0.990$	620.12	50.1
Tuesday, January 12, 2010 $4.46:240.990$	625.07	50.0
Tuesday, January 12, 2010 $4.40.240.990$	630.04	50.1
Tuesday, January 12, 2010 $4.51.250.990$	634.99	50.1
Tuesday, January 12, 2010 $\pm .50.25$ 0.990	639.96	50.1
Tuesday, January 12, 2010 $5:06:260.990$	6 <i>11</i> 91	50.1
Tuesday, January 12, 2010 $5.00.200.000$	6/0.88	J0.2 /0.3
Tuesday, January 12, 2010 5:11:27 0.990	651 83	49.3 50.1
Tuesday, January 12, 2010 5:10:27 0.990	650.80	50.1
Tuesday, January 12, 2010 $5.21.280.990$	664 75	50.1
Tuesday, January 12, 2010 J.20.20 0.990 Tuesday, January 12, 2016 5:21:20 0.000	660 77	50.1
Tuesday, January 12, 2010 $5.51.270.990$ Tuesday, January 12, 2016 $5.26.2000000$	671 69	50.2 50.0
Tuesday, January 12, 2010 $5.50.270.990$ Tuesday, January 12, 2016 $5.41.200000$	670.63	70.0 70.2
Tuesday, January 12, 2010 J.41.27 0.990 Tuesday, January 12, 2016 5.46.20 0.000	681 60	49.5 10 5
Tuesday, January 12, 2010 5.40.50 0.990 Tuesday, January 12, 2016 5.51.20 0.000	680 55	4 9.5 50 1
Tuesday, January 12, 2010 $3.31.300.990$ Tuesday, January 12, 2016 $5.56.210000$	601 57	50.1
1 ucsuay, January 12, 2010 J.J0.51 0.990	074.32	50.0

Tuesday, January 12, 2016 6:01:31 0.990	699.47	50.1
Tuesday, January 12, 2016 6:06:32 0.990	704.44	50.0
Tuesday, January 12, 2016 6:11:32 0.990	709.39	50.0
Tuesday, January 12, 2016 6:15:02 0.990	712.85	50.1

aqms5 formaldehyde001 Ch. 1 Cartridge Started Sunday, January 17, 2016 6:00:01 Flow Rate Set Point 1.00 l/min Stopped Sunday, January 17, 2016 18:00:23 Total Volume 713.15 liters Total Sample Time 12.00 hours Average Flow Rate 0.000 l/min Minimum Flow Rate 0.000 l/min Maximum Flow Rate 400.000 l/min Pre Start Leak Rate -0.002 l/min Ending Leak Rate -0.003 l/min Flow Controller Zero -0.004 l/min Error Code 0 Error Status OK No Errors

Flow Rate

Time

Temp

Volume

Sunday, January 17, 2016 6:00:28 0.078	0.23	50.0
Sunday, January 17, 2016 6:05:29 0.991	5.20	49.7
Sunday, January 17, 2016 6:10:29 0.991	10.15	49.7
Sunday, January 17, 2016 6:15:29 0.991	15.11	50.1
Sunday, January 17, 2016 6:20:30 0.991	20.08	50.1
Sunday, January 17, 2016 6:25:30 0.991	25.03	50.1
Sunday, January 17, 2016 6:30:31 0.991	30.00	49.7
Sunday, January 17, 2016 6:35:31 0.991	34.95	50.1
Sunday, January 17, 2016 6:40:32 0.991	39.92	50.1
Sunday, January 17, 2016 6:45:32 0.991	44.88	50.3
Sunday, January 17, 2016 6:50:33 0.991	49.85	50.3
Sunday, January 17, 2016 6:55:33 0.991	54.80	50.2
Sunday, January 17, 2016 7:00:33 0.991	59.76	50.1
Sunday, January 17, 2016 7:05:34 0.991	64.73	50.2
Sunday, January 17, 2016 7:10:34 0.991	69.68	50.1
Sunday, January 17, 2016 7:15:35 0.991	74.65	50.1
Sunday, January 17, 2016 7:20:35 0.991	79.60	49.7
Sunday, January 17, 2016 7:25:36 0.991	84.58	50.1
Sunday, January 17, 2016 7:30:36 0.991	89.53	50.1
Sunday, January 17, 2016 7:35:36 0.991	94.48	49.7
Sunday, January 17, 2016 7:40:37 0.991	99.45	50.1
Sunday, January 17, 2016 7:45:37 0.991	104.41	50.1
Sunday, January 17, 2016 7:50:38 0.991	109.38	50.3
Sunday, January 17, 2016 7:55:38 0.991	114.33	50.2
Sunday, January 17, 2016 8:00:39 0.991	119.30	50.2
Sunday, January 17, 2016 8:05:39 0.991	124.26	50.1
Sunday, January 17, 2016 8:10:40 0.991	129.23	50.2
Sunday, January 17, 2016 8:15:40 0.991	134.18	49.9
Sunday, January 17, 2016 8:20:40 0.991	139.13	50.1
Sunday, January 17, 2016 8:25:41 0.991	144.10	49.9
Sunday, January 17, 2016 8:30:41 0.991	149.06	50.1
Sunday, January 17, 2016 8:35:42 0.991	154.03	50.1
Sunday, January 17, 2016 8:40:42 0.991	158.98	50.1

Sunday, January 17, 2016 8:45:43 0.991	163.95	50.2
Sunday, January 17, 2016 8:50:43 0.991	168.91	50.1
Sunday, January 17, 2016 8:55:44 0.991	173.88	50.2
Sunday, January 17, 2016 9:00:44 0.991	178.83	49.7
Sunday, January 17, 2016 9:05:44 0.991	183.78	50.1
Sunday, January 17, 2016 9:10:45 0.991	188.75	50.1
Sunday, January 17, 2016 9:15:45 0.991	193.71	49.6
Sunday, January 17, 2016 9:20:46 0.991	198.68	49.9
Sunday, January 17, 2016 9:25:46 0.991	203.63	50.1
Sunday, January 17, 2016 9:30:47 0.991	208.60	50.1
Sunday, January 17, 2016 9:35:47 0.991	213.56	50.2
Sunday, January 17, 2016 9:40:47 0.991	218.51	49.7
Sunday, January 17, 2016 9:45:48 0.991	223.48	49.8
Sunday, January 17, 2016 9:50:48 0.991	228.44	49.7
Sunday, January 17, 2016 9:55:49 0.991	233.41	49.6
Sunday, January 17, 2016 10:00:49 0.991	238.36	50.1
Sunday, January 17, 2016 10:05:50 0.991	243.33	50.1
Sunday, January 17, 2016 10:10:50 0.991	248.28	50.1
Sunday, January 17, 2016 10:15:51 0.991	253.25	50.1
Sunday, January 17, 2016 10:20:51 0.991	258.21	50.1
Sunday, January 17, 2016 10:25:51 0.991	263.16	50.2
Sunday, January 17, 2016 10:30:52 0.991	268.13	50.1
Sunday, January 17, 2016 10:35:52 0.991	273.09	50.1
Sunday, January 17, 2016 10:40:53 0.991	278.06	50.2
Sunday, January 17, 2016 10:45:53 0.991	283.01	50.3
Sunday, January 17, 2016 10:50:54 0.991	287.98	50.1
Sunday, January 17, 2016 10:55:54 0.991	292.93	50.1
Sunday, January 17, 2016 11:00:55 0.991	297.90	50.1
Sunday, January 17, 2016 11:05:55 0.991	302.86	50.1
Sunday, January 17, 2016 11:10:55 0.991	307.81	50.1
Sunday, January 17, 2016 11:15:56 0.991	312.78	49.9
Sunday, January 17, 2016 11:20:56 0.991	317.74	50.1
Sunday, January 17, 2016 11:25:57 0.991	322.71	50.0
Sunday, January 17, 2016 11:30:57 0.991	327.66	50.2
Sunday, January 17, 2016 11:35:58 0.991	332.63	49.7
Sunday, January 17, 2016 11:40:58 0.991	337.59	50.3
Sunday, January 17, 2016 11:45:59 0.991	342.56	50.1
Sunday, January 17, 2016 11:50:59 0.991	347.51	49.6
Sunday, January 17, 2016 11:55:59 0.991	352.46	50.1
Sunday, January 17, 2016 12:01:00 0.991	357.43	50.3
Sunday, January 17, 2016 12:06:00 0.991	362.39	50.2
Sunday, January 17, 2016 12:11:01 0.991	367.36	50.2
Sunday, January 17, 2016 12:16:01 0.991	372.31	50.1
Sunday, January 17, 2016 12:21:02 0.991	377.28	50.1
Sunday, January 17, 2016 12:26:02 0.991	382.24	50.1
Sunday, January 17, 2016 12:31:03 0.991	387.21	50.1
Sunday, January 17, 2016 12:36:03 0.991	392.16	50.1
Sunday, January 17, 2016 12:41:04 0.991	397.13	50.1
Sunday, January 17, 2016 12:46:04 0.991	402.09	49./
Sunday, January 17, 2016 12:51:04 0.991 Sunday, January 17, 2016 12:56:05 0.001	407.04	50.2
Sunday, January 17, 2016 12:56:05 0.991 Sunday, January 17, 2016 12:01:05 0.001	412.01	50.1
Sunday, January 17, 2016 13:01:05 0.991 Sunday, January 17, 2016 12:06:06 0.001	410.90	50.1
Sunday, January 17, 2016 13:00:00 0.991 Sunday, January 17, 2016 12:11:06 0.001	421.93	30.2 40.7
Sunday, January 17, 2016 13:11:06 0.991	426.89	49./

Sunday, January 17, 2016 13:16:07 0.991	431.86	50.0
Sunday, January 17, 2016 13:21:07 0.991	436.81	50.2
Sunday, January 17, 2016 13:26:08 0.991	441.78	50.1
Sunday, January 17, 2016 13:31:08 0.991	446.74	50.1
Sunday, January 17, 2016 13:36:09 0.991	451.71	50.3
Sunday, January 17, 2016 13:41:09 0.991	456.66	50.1
Sunday, January 17, 2016 13:46:09 0.991	461.61	50.2
Sunday, January 17, 2016 13:51:10 0.991	466.59	49.5
Sunday, January 17, 2016 13:56:10 0.991	471.54	50.5
Sunday, January 17, 2016 14:01:11 0.991	476.51	50.0
Sunday, January 17, 2016 14:06:11 0.991	481.46	49.2
Sunday, January 17, 2016 14:11:12 0.991	486.43	50.1
Sunday, January 17, 2016 14:16:12 0.991	491.39	49.4
Sunday, January 17, 2016 14:21:13 0.991	496.36	50.3
Sunday, January 17, 2016 14:26:13 0.991	501.31	50.1
Sunday, January 17, 2016 14:31:14 0.991	506.28	50.1
Sunday, January 17, 2016 14:36:14 0.991	511.24	50.1
Sunday, January 17, 2016 14:41:14 0.991	516.19	49.7
Sunday, January 17, 2016 14:46:15 0.991	521.16	50.3
Sunday, January 17, 2016 14:51:15 0.991	526.11	50.1
Sunday, January 17, 2016 14:56:16 0.991	531.08	50.2
Sunday, January 17, 2016 15:01:16 0.991	536.04	50.2
Sunday, January 17, 2016 15:06:17 0.991	541.01	50.1
Sunday, January 17, 2016 15:11:17 0.991	545.96	49.8
Sunday, January 17, 2016 15:16:18 0.991	550.93	50.3
Sunday, January 17, 2016 15:21:18 0.991	555.88	49.9
Sunday, January 17, 2016 15:26:19 0.991	560.85	49.8
Sunday, January 17, 2016 15:31:19 0.991	565.81	50.0
Sunday, January 17, 2016 15:36:20 0.991	570.78	50.0
Sunday, January 17, 2016 15:41:20 0.991	575.73	50.2
Sunday, January 17, 2016 15:46:20 0.991	580.68	50.1
Sunday, January 17, 2016 15:51:21 0.991	585.65	49.7
Sunday, January 17, 2016 15:56:21 0.991	590.61	49.6
Sunday, January 17, 2016 16:01:22 0.991	595.58	50.1
Sunday, January 17, 2016 16:06:22 0.991	600.53	50.0
Sunday, January 17, 2016 16:11:23 0.991	605.50	49.8
Sunday, January 17, 2016 16:16:23 0.991	610.45	50.3
Sunday, January 17, 2016 16:21:24 0.991	615.42	50.4
Sunday, January 17, 2016 16:26:24 0.991	620.38	50.1
Sunday, January 17, 2016 16:31:25 0.991	625.35	49.7
Sunday, January 17, 2016 16:36:25 0.991	630.30	50.4
Sunday, January 17, 2016 16:41:25 0.991	635.25	50.2
Sunday, January 17, 2016 16:46:26 0.991	640.23	49.8
Sunday, January 17, 2016 16:51:26 0.991	645.18	50.1
Sunday, January 17, 2016 16:56:27 0.991	650.15	50.2
Sunday, January 17, 2016 17:01:27 0.991	655.10	49.8
Sunday, January 17, 2016 17:06:28 0.991	660.07	50.1
Sunday, January 17, 2016 17:11:28 0.991	665.03	50.3
Sunday, January 17, 2016 17:16:29 0.991	670.00	50.1
Sunday, January 17, 2016 17:21:29 0.991	674.95	50.2
Sunday, January 17, 2016 17:26:29 0.991	679.90	49.3
Sunday, January 17, 2016 17:31:30 0.991	684.87	50.1
Sunday, January 17, 2016 17:36:30 0.991	689.83	50.1
Sunday, January 17, 2016 17:41:31 0.991	694.80	50.1

Sunday, January 17, 2016 17:46:31 0.991	699.75	50.1
Sunday, January 17, 2016 17:51:32 0.991	704.72	50.2
Sunday, January 17, 2016 17:56:32 0.991	709.67	49.7
Sunday, January 17, 2016 18:00:02 0.991	713.14	50.0

aqms5 formaldehyde002 Ch. 2 Cartridge Started Sunday, January 17, 2016 18:15:04 Flow Rate Set Point 1.00 l/min Stopped Monday, January 18, 2016 6:15:22 Total Volume 712.75 liters Total Sample Time 12.00 hours Average Flow Rate 0.000 l/min Minimum Flow Rate 0.000 l/min Maximum Flow Rate 0.000 l/min Pre Start Leak Rate 0.002 l/min Ending Leak Rate -0.003 l/min Flow Controller Zero -0.005 l/min Error Code 0 Error Status OK No Errors

Flow Rate

Volume

Temn

Time

Time	1 10 00	Rute	volume	I UIII	
Sunday, January 17,	2016	18:15:31	0.078	0.22	49.6
Sunday, January 17,	2016	18:20:31	0.991	5.17	50.2
Sunday, January 17,	2016	18:25:32	0.990	10.14	50.1
Sunday, January 17,	2016	18:30:32	0.990	15.09	49.9
Sunday, January 17,	2016	18:35:33	0.990	20.06	50.1
Sunday, January 17,	2016	18:40:33	0.990	25.01	50.3
Sunday, January 17,	2016	18:45:34	0.990	29.98	50.1
Sunday, January 17,	2016	18:50:34	0.990	34.93	50.2
Sunday, January 17,	2016	18:55:34	0.990	39.88	49.9
Sunday, January 17,	2016	19:00:35	0.990	44.85	50.0
Sunday, January 17,	2016	19:05:35	0.990	49.80	50.1
Sunday, January 17,	2016	19:10:36	0.990	54.77	49.7
Sunday, January 17,	2016	19:15:36	0.990	59.72	49.8
Sunday, January 17,	2016	19:20:37	0.990	64.69	49.9
Sunday, January 17,	2016	19:25:37	0.990	69.64	50.0
Sunday, January 17,	2016	19:30:38	0.990	74.61	50.2
Sunday, January 17,	2016	19:35:38	0.990	79.56	49.6
Sunday, January 17,	2016	19:40:39	0.990	84.53	50.3
Sunday, January 17,	2016	19:45:39	0.990	89.48	49.7
Sunday, January 17,	2016	19:50:39	0.990	94.43	49.8
Sunday, January 17,	2016	19:55:40	0.990	99.40	50.2
Sunday, January 17,	2016	20:00:40	0.990	104.35	50.2
Sunday, January 17,	2016	20:05:41	0.990	109.32	50.1
Sunday, January 17,	2016	20:10:41	0.990	114.27	50.1
Sunday, January 17,	2016	20:15:42	0.990	119.24	50.1
Sunday, January 17,	2016	20:20:42	0.990	124.19	50.3
Sunday, January 17,	2016	20:25:43	0.990	129.16	50.2
Sunday, January 17,	2016	20:30:43	0.990	134.11	50.2
Sunday, January 17,	2016	20:35:43	0.990	139.06	50.2
Sunday, January 17,	2016	20:40:44	0.990	144.03	50.2
Sunday, January 17,	2016	20:45:44	0.990	148.98	49.5
Sunday, January 17,	2016	20:50:45	0.990	153.95	49.7
Sunday, January 17,	2016	20:55:45	0.990	158.90	50.3

Sunday, January 17, 2016 21:00:46 0.990	163.87	50.4
Sunday, January 17, 2016 21:05:46 0 990	168.82	50.1
Sunday, January 17, 2016 21:10:47 0 990	173.79	50.2
Sunday, January 17, 2016 21:15:47 0 990	178.74	50.2
Sunday, January 17, 2016 21:20:48 0 990	183 71	50.0
Sunday, January 17, 2016 21:25:48 0 990	188.66	49.6
Sunday, January 17, 2016 21:20:49 0 990	193.63	49.8
Sunday, January 17, 2010 21:30:49 0.990	198 58	49.0 49.7
Sunday, January 17, 2016 21:40:49 0 990	203 53	<u>19.7</u>
Sunday, January 17, 2016 21:45:50 0 990	203.55	49.7
Sunday, January 17, 2016 21:45:50 0.990	200.50	50.2
Sunday, January 17, 2010 21:50:50 0.590	213.+3 218 42	50.2
Sunday, January 17, 2016 22:00:51 0.990	210.42	50.0
Sunday, January 17, 2010 22:00:51 0.990	223.37	70.1 70.8
Sunday, January 17, 2016 22:05:52 0.990	220.34	49.8
Sunday, January 17, 2010 22:10:52 0.390 Sunday, January 17, 2016 22:15:53 0.000	233.29	49.8
Sunday, January 17, 2010 22:15:55 0.990 Sunday, January 17, 2016 22:20:53 0.000	236.20	49.7
Sunday, January 17, 2010 22:20:55 0.990	245.21	49.0 50.0
Sunday, January 17, 2010 22:23:54 0.990 Sunday, January 17, 2016 22:20:54 0.000	240.10 252.12	30.0 40.8
Sunday, January 17, 2016 22:30:34 0.990	255.15	49.8
Sunday, January 17, 2016 22:55:55 0.990	238.10	49.7
Sunday, January 17, 2016 22:40:55 0.990	203.03	50.5
Sunday, January 17, 2016 22:45:55 0.990	208.00	50.4
Sunday, January 17, 2016 22:50:56 0.990	212.91	50.0 40.0
Sunday, January 17, 2016 22:55:56 0.990	211.92	49.9
Sunday, January 17, 2016 23:00:57 0.990	282.89	50.1
Sunday, January 17, 2016 23:05:57 0.990	287.84	49.9
Sunday, January 17, 2016 23:10:58 0.990	292.81	49.7
Sunday, January 17, 2016 23:15:58 0.990	297.76	50.1
Sunday, January 17, 2016 23:20:59 0.990	302.73	50.0
Sunday, January 17, 2016 23:25:59 0.990	307.68	50.2
Sunday, January 17, 2016 23:31:00 0.990	312.65	50.1
Sunday, January 17, 2016 23:36:00 0.990	317.60	49.8
Sunday, January 17, 2016 23:41:00 0.990	322.55	50.2
Sunday, January 17, 2016 23:46:01 0.990	327.52	49.7
Sunday, January 17, 2016 23:51:01 0.990	332.47	50.2
Sunday, January 17, 2016 23:56:02 0.990	337.44	49.6
Monday, January 18, 2016 0:01:02 0.990	342.39	49.7
Monday, January 18, 2016 0:06:03 0.990	347.36	49.8
Monday, January 18, 2016 0:11:03 0.990	352.31	50.2
Monday, January 18, 2016 0:16:04 0.990	357.28	49.7
Monday, January 18, 2016 0:21:04 0.990	362.23	50.0
Monday, January 18, 2016 0:26:05 0.990	367.20	49.7
Monday, January 18, 2016 0:31:05 0.990	372.15	50.0
Monday, January 18, 2016 0:36:06 0.990	377.12	49.7
Monday, January 18, 2016 0:41:06 0.990	382.07	50.0
Monday, January 18, 2016 0:46:06 0.990	387.02	50.1
Monday, January 18, 2016 0:51:07 0.990	391.99	50.1
Monday, January 18, 2016 0:56:07 0.990	396.94	49.8
Monday, January 18, 2016 1:01:08 0.990	401.91	50.3
Monday, January 18, 2016 1:06:08 0.990	406.86	50.1
Monday, January 18, 2016 1:11:09 0.990	411.82	50.1
Monday, January 18, 2016 1:16:09 0.990	416.78	50.1
Monday, January 18, 2016 1:21:10 0.990	421.74	50.1
Monday, January 18, 2016 1:26:10 0.990	426.70	49.8

Monday, January 18, 2016 1:31:11 0.990	431.66	49.9
Monday, January 18, 2016 1:36:11 0.990	436.61	49.9
Monday, January 18, 2016 1:41:12 0.990	441.58	50.2
Monday, January 18, 2016 1:46:12 0.990	446.53	50.1
Monday, January 18, 2016 1:51:12 0.990	451.49	49.8
Monday, January 18, 2016 1:56:13 0.990	456.45	49.7
Monday, January 18, 2016 2:01:13 0.990	461.40	49.8
Monday, January 18, 2016 2:06:14 0.990	466.37	49.8
Monday, January 18, 2016 2:11:14 0.990	471.32	49.4
Monday, January 18, 2016 2:16:15 0.990	476.29	50.1
Monday, January 18, 2016 2:21:15 0.990	481.24	50.0
Monday, January 18, 2016 2:26:16 0.990	486.21	50.2
Monday, January 18, 2016 2:31:16 0.990	491.16	50.1
Monday, January 18, 2016 2:36:17 0.990	496.13	49.8
Monday, January 18, 2016 2:41:17 0.990	501.08	49.4
Monday, January 18, 2016 2:46:18 0.990	506.05	49.4
Monday, January 18, 2016 2:51:18 0.990	511.00	49.8
Monday, January 18, 2016 2:56:19 0.990	515.95	49.3
Monday, January 18, 2016 3:01:19 0.990	520.92	49.4
Monday, January 18, 2016 3:06:19 0.990	525.87	50.2
Monday, January 18, 2016 3:11:20 0.990	530.84	49.7
Monday, January 18, 2016 3:16:20 0.990	535.79	49.8
Monday, January 18, 2016 3:21:21 0.990	540.76	50.2
Monday, January 18, 2016 3:26:21 0.990	545.72	50.1
Monday, January 18, 2016 3:31:22 0.990	550.68	49.3
Monday, January 18, 2016 3:36:22 0.990	555.64	50.2
Monday, January 18, 2016 3:41:23 0.990	560.60	50.2
Monday, January 18, 2016 3:46:23 0.990	565.56	50.0
Monday, January 18, 2016 3:51:24 0.990	570.52	50.2
Monday, January 18, 2016 3:56:24 0.990	575.48	49.4
Monday, January 18, 2016 4:01:25 0.990	580.44	50.2
Monday, January 18, 2016 4:06:25 0.990	585.40	50.0
Monday, January 18, 2016 4:11:25 0.990	590.35	50.1
Monday, January 18, 2016 4:16:26 0.990	595.32	50.0
Monday, January 18, 2016 4:21:26 0.990	600.27	50.3
Monday, January 18, 2016 4:26:27 0.990	605.24	50.2
Monday, January 18, 2016 4:31:27 0.990	610.19	50.3
Monday, January 18, 2016 4:36:28 0.990	615.16	50.1
Monday, January 18, 2016 4:41:28 0.990	620.11	49.9
Monday, January 18, 2016 4:46:29 0.990	625.08	50.1
Monday, January 18, 2016 4:51:29 0.990	630.03	50.1
Monday, January 18, 2016 4:56:30 0.990	635.00	50.2
Monday, January 18, 2016 5:01:30 0.990	639.95	49.7
Monday, January 18, 2016 5:06:30 0.990	644.90	50.2
Monday, January 18, 2016 5:11:31 0.990	649.87	49.7
Monday, January 18, 2016 5:16:31 0.990	654.82	50.0
Monday, January 18, 2016 5:21:32 0.990	659.79	50.0
Monday, January 18, 2016 5:26:32 0.990	664.74	50.3
Monday, January 18, 2016 5:31:33 0.990	669.71	50.1
Manday, January 18, 2016 5:36:33 0.990	0/4.00	50.1
Monday, January 18, 2016 5:41:34 0.990	019.03	50.1
Monday, January 18, 2016 5:46:34 0.990	004.38	50.1
Monday, January 18, 2016 5:51:35 0.990	089.33	30.1 40.9
Monday, January 18, 2016 5:56:35 0.990	094.30	49.8

Monday, January 18, 2016 6:01:36 0.990	699.47	49.6
Monday, January 18, 2016 6:06:36 0.990	704.42	50.1
Monday, January 18, 2016 6:11:36 0.990	709.37	50.2
Monday, January 18, 2016 6:15:00 0.990	712.74	50.1

formaldehyde001 Ch. 1 Cartridge Started Saturday, January 23, 2016 6:00:00 Flow Rate Set Point 1.00 l/min Stopped Saturday, January 23, 2016 18:00:22 Total Volume 713.10 liters Total Sample Time 12.00 hours Average Flow Rate 0.000 l/min Minimum Flow Rate 0.000 l/min Maximum Flow Rate 0.000 l/min Pre Start Leak Rate 0.004 l/min Ending Leak Rate 0.002 l/min Flow Controller Zero -0.004 l/min Error Code 0 Error Status OK No Errors

agms5

Time	Flow Rate	Volume	Temp)
Saturday, January 23	3, 2016 6:00:	27 0.084	0.23	50.0
Saturday, January 23	3, 2016 6:05:	27 0.991	5.18	50.3
Saturday, January 23	3, 2016 6:10:	28 0.991	10.15	50.2
Saturday, January 23	3, 2016 6:15:	28 0.991	15.10	50.2
Saturday, January 23	3, 2016 6:20:	28 0.991	20.06	50.4
Saturday, January 23	3, 2016 6:25:	29 0.991	25.03	50.3
Saturday, January 23	3, 2016 6:30:	29 0.991	29.98	50.4
Saturday, January 23	3, 2016 6:35:	30 0.991	34.95	49.8
Saturday, January 23	3, 2016 6:40:	30 0.991	39.90	50.0
Saturday, January 23	3, 2016 6:45:	31 0.991	44.87	49.9
Saturday, January 23	3, 2016 6:50:	31 0.991	49.83	50.5
Saturday, January 23	3, 2016 6:55:	32 0.991	54.80	49.8
Saturday, January 23	3, 2016 7:00:	32 0.991	59.75	49.5
Saturday, January 23	3, 2016 7:05:	33 0.991	64.72	50.3
Saturday, January 23	3, 2016 7:10:	33 0.991	69.67	49.7
Saturday, January 23	3, 2016 7:15:	34 0.991	74.64	50.3
Saturday, January 23	3, 2016 7:20:	34 0.991	79.60	49.4
Saturday, January 23	3, 2016 7:25:	35 0.991	84.57	50.1
Saturday, January 23	3, 2016 7:30:	35 0.991	89.52	50.4
Saturday, January 23	3, 2016 7:35:	36 0.991	94.49	49.7
Saturday, January 23	3, 2016 7:40:	36 0.991	99.44	50.3
Saturday, January 23	3, 2016 7:45:	37 0.991	104.41	50.2
Saturday, January 23	3, 2016 7:50:	37 0.991	109.37	50.4
Saturday, January 23	3, 2016 7:55:	38 0.991	114.34	50.0
Saturday, January 23	3, 2016 8:00:	38 0.991	119.29	50.4
Saturday, January 23	3, 2016 8:05:	39 0.991	124.26	50.5
Saturday, January 23	3, 2016 8:10:	39 0.991	129.22	50.1
Saturday, January 23	3, 2016 8:15:4	40 0.991	134.19	50.3
Saturday, January 23	3, 2016 8:20:4	40 0.991	139.14	50.1
Saturday, January 23	3, 2016 8:25:	41 0.991	144.11	49.8
Saturday, January 23	3, 2016 8:30:	41 0.991	149.06	50.0
Saturday, January 23	3, 2016 8:35:	42 0.991	154.03	50.1
Saturday, January 23	3, 2016 8:40:4	42 0.991	158.99	50.3

Saturday, January 23, 2016 8:45:43 0.991	163.96	50.1
Saturday, January 23, 2016 8:50:43 0.991	168.91	50.0
Saturday, January 23, 2016 8:55:44 0.991	173.88	49.8
Saturday, January 23, 2016 9:00:45 0.991	178.85	49.8
Saturday, January 23, 2016 9:05:45 0.991	183.80	50.1
Saturday, January 23, 2016 9:10:46 0.991	188.77	50.1
Saturday, January 23, 2016 9:15:46 0.991	193.73	50.5
Saturday, January 23, 2016 9:20:47 0.991	198.70	49.9
Saturday, January 23, 2016 9:25:47 0.991	203.65	50.1
Saturday, January 23, 2016 9:30:48 0.991	208.62	50.2
Saturday, January 23, 2016 9:35:48 0.991	213.57	50.2
Saturday, January 23, 2016 9:40:49 0.991	218.54	50.0
Saturday, January 23, 2016 9:45:49 0.991	223.50	50.1
Saturday, January 23, 2016 9:50:50 0.991	228.47	50.2
Saturday, January 23, 2016 9:55:50 0.991	233.42	50.6
Saturday, January 23, 2016 10:00:51 0.991	238.39	50.4
Saturday, January 23, 2016 10:05:51 0.991	243.34	50.1
Saturday, January 23, 2016 10:10:52 0.991	248.31	50.3
Saturday, January 23, 2016 10:15:53 0.991	253.28	50.3
Saturday, January 23, 2016 10:20:53 0.991	258.24	50.2
Saturday, January 23, 2016 10:25:54 0.991	263.21	49.9
Saturday, January 23, 2016 10:30:54 0.991	268.16	49.8
Saturday, January 23, 2016 10:35:55 0.991	273.13	49.3
Saturday, January 23, 2016 10:40:55 0.991	278.08	50.4
Saturday, January 23, 2016 10:45:56 0.991	283.05	50.4
Saturday, January 23, 2016 10:50:56 0.991	288.01	50.4
Saturday, January 23, 2016 10:55:57 0.991	292.98	49.7
Saturday, January 23, 2016 11:00:57 0.991	297.93	50.4
Saturday, January 23, 2016 11:05:58 0.991	302.90	50.1
Saturday, January 23, 2016 11:10:58 0.991	307.85	49.8
Saturday, January 23, 2016 11:15:59 0.991	312.82	49.1
Saturday, January 23, 2016 11:21:00 0.991	317.79	50.0
Saturday, January 23, 2016 11:26:00 0.991	322.75	50.3
Saturday, January 23, 2016 11:31:01 0.991	327.72	50.4
Saturday, January 23, 2016 11:36:01 0.991	332.67	50.1
Saturday, January 23, 2016 11:41:02 0.991	337.64	50.4
Saturday, January 23, 2016 11:46:02 0.991	342.60	50.2
Saturday, January 23, 2016 11:51:03 0.991	347.57	50.4
Saturday, January 23, 2016 11:56:03 0.991	352.52	50.1
Saturday, January 23, 2016 12:01:04 0.991	357.49	50.6
Saturday, January 23, 2016 12:06:04 0.991	362.44	50.2
Saturday, January 23, 2016 12:11:05 0.991	367.41	50.4
Saturday, January 23, 2016 12:16:06 0.991	372.38	49.9
Saturday, January 23, 2016 12:21:06 0.991	377.34	50.0
Saturday, January 23, 2016 12:26:07 0.991	382.31	49.9
Saturday, January 23, 2016 12:31:07 0.991	387.26	50.4
Saturday, January 23, 2016 12:36:08 0.991	392.23	49.9
Saturday, January 23, 2016 12:41:08 0.991	397.18	50.1
Saturday, January 23, 2016 12:46:09 0.991	402.15	50.1
Saturday, January 23, 2016 12:51:09 0.991	407.11	50.5
Saturday, January 23, 2016 12:56:10 0.991	412.08	49.8
Saturday, January 23, 2016 13:01:10 0.991	417.03	50.5
Saturday, January 23, 2016 13:06:11 0.991	422.00	50.2
Saturday, January 23, 2016 13:11:11 0.991	426.95	50.0
Saturday, January 23, 2016 13:16:12 0.991	431.93	49.9
---	---------	----------
Saturday, January 23, 2016 13:21:12 0.991	436.88	49.6
Saturday, January 23, 2016 13:26:13 0.991	441.85	50.1
Saturday, January 23, 2016 13:31:14 0.991	446.82	50.0
Saturday, January 23, 2016 13:36:14 0.991	451.77	50.1
Saturday, January 23, 2016 13:41:15 0.991	456.74	50.0
Saturday, January 23, 2016 13:46:15 0.991	461.70	50.3
Saturday, January 23, 2016 13:51:16 0.991	466.67	50.4
Saturday, January 23, 2016 13:56:16 0.991	471.62	50.5
Saturday, January 23, 2016 14:01:17 0.991	476.59	50.4
Saturday, January 23, 2016 14:06:17 0.991	481.54	50.0
Saturday, January 23, 2016 14:11:18 0.991	486.51	50.2
Saturday, January 23, 2016 14:16:18 0.991	491.47	50.4
Saturday, January 23, 2016 14:21:19 0.991	496.44	49.9
Saturday, January 23, 2016 14:26:19 0.991	501.39	50.3
Saturday, January 23, 2016 14:31:20 0.991	506.36	50.3
Saturday, January 23, 2016 14:36:21 0 991	511.33	50.0
Saturday, January 23, 2016 14:41:21 0 991	516.29	50.2
Saturday, January 23, 2016 14:46:22 0 991	521.25	50.0
Saturday, January 23, 2016 14:51:22 0 991	526.21	50.1
Saturday, January 23, 2016 14:56:23 0 991	531 18	497
Saturday, January 23, 2016 17:00:22 0:091	536.13	50.0
Saturday, January 23, 2016 15:06:22 0.991	541 10	50.0
Saturday, January 23, 2016 15:00.270.991	546.05	50.0
Saturday, January 23, 2016 15:11:27 0.991	551.02	50.0
Saturday, January 23, 2016 15:10:25 0.991	555.98	50.0
Saturday, January 23, 2016 15:26:26 0 991	560.95	50.1
Saturday, January 23, 2016 15:20:20 0.991	565.90	50.1
Saturday, January 23, 2016 15:31:20 0.991	570.87	49 8
Saturday, January 23, 2016 15:50.27 0.991	575.84	50.1
Saturday, January 23, 2016 15:46:28 0 991	580 79	50.1
Saturday, January 23, 2016 15:10:20 0.991	585 76	50.1
Saturday, January 23, 2016 15:51:22 0.991	590.72	50.0
Saturday, January 23, 2016 16:01:30 0 991	595.69	49.8
Saturday, January 23, 2016 16:06:30 0 991	600.64	50.0
Saturday, January 23, 2016 16:00:30 0.991	605.61	<u> </u>
Saturday, January 23, 2016 16:16:31 0.991	610 56	50.5
Saturday, January 23, 2010 10:10:31 0:991 Saturday January 23, 2016 16:21:32 0 991	615 53	50.3
Saturday, January 23, 2010 10:21:32 0:991	620.49	50.5
Saturday, January 23, 2010 10:20:32 0:991 Saturday January 23, 2016 16:31:33 0 991	625.46	50.1
Saturday, January 23, 2016 16:36:33 0 991	630.41	50.5
Saturday, January 23, 2016 16:50:55 0.991 Saturday January 23, 2016 16:41:34 0 991	635 38	49.2
Saturday, January 23, 2010 10:11:310:991 Saturday January 23, 2016 16:46:34 0 991	640 33	50.4
Saturday, January 23, 2016 16:51:35 0.991	645 30	50.1
Saturday, January 23, 2010 10:51:55 0:551 Saturday January 23, 2016 16:56:35 0 991	650.25	50.1
Saturday, January 23, 2016 10:00:00 00:00	655 22	50.2
Saturday, January 23, 2016 17:06:36 0.991	660 18	49 7
Saturday, January 23, 2016 17:00:00 0.991	665 15	50 3
Saturday, January 23, 2010 17:11:37 0.991 Saturday January 23, 2016 17:16:38 0.991	670.12	49.0
Saturday, January 23, 2010 17:10:30 0.991 Saturday January 23, 2016 17:21:38 0.901	675.07	50.1
Saturday, January 23, 2010 17:21:30 0.991 Saturday January 23, 2016 17:26:39 0.991	680.04	50.1
Saturday, January 23, 2010 17:20:37 0.991	684 99	50.2
Saturday, January 23, 2010 17:31:37 0.991 Saturday January 23, 2016 17:36:40,0.991	689.96	50.4
Saturday, January 23, 2010 17:50:40 0.991 Saturday January 23, 2016 17:41:40,0.991	694 97	50.0
	<i></i>	20.0

Saturday, January 23, 2016 17:46:41 0.991	699.89	50.3
Saturday, January 23, 2016 17:51:41 0.991	704.84	50.3
Saturday, January 23, 2016 17:56:42 0.991	709.81	50.4
Saturday, January 23, 2016 18:00:01 0.991	713.09	50.5

aqms5 formaldehyde002 Ch. 2 Cartridge Started Saturday, January 23, 2016 18:15:03 Flow Rate Set Point 1.00 l/min Stopped Sunday, January 24, 2016 6:15:23 Total Volume 712.74 liters Total Sample Time 12.00 hours Average Flow Rate 0.000 l/min Minimum Flow Rate 0.000 l/min Maximum Flow Rate 400.000 l/min Pre Start Leak Rate 0.002 l/min Ending Leak Rate -0.004 l/min Flow Controller Zero -0.005 l/min Error Code 0 Error Status OK No Errors

Time	Flow Rate	Volume	Temp	
Saturday, January 23	8, 2016 18:15	:30 0.080	0.22	50.1
Saturday, January 23	8, 2016 18:20	:30 0.991	5.18	50.4
Saturday, January 23	8, 2016 18:25	:31 0.990	10.14	50.4
Saturday, January 23	6, 2016 18:30	:31 0.990	15.09	50.3
Saturday, January 23	8, 2016 18:35	:32 0.990	20.06	49.7
Saturday, January 23	6, 2016 18:40	:32 0.990	25.01	50.3
Saturday, January 23	6, 2016 18:45	:33 0.990	29.98	50.4
Saturday, January 23	6, 2016 18:50	:33 0.990	34.93	50.4
Saturday, January 23	8, 2016 18:55	:34 0.990	39.90	49.8
Saturday, January 23	6, 2016 19:00	:34 0.990	44.85	50.0
Saturday, January 23	6, 2016 19:05	:35 0.990	49.82	50.0
Saturday, January 23	6, 2016 19:10	:35 0.990	54.77	49.5
Saturday, January 23	6, 2016 19:15	:36 0.990	59.74	49.5
Saturday, January 23	6, 2016 19:20	:36 0.990	64.69	50.1
Saturday, January 23	, 2016 19:25	:37 0.990	69.66	50.5
Saturday, January 23	6, 2016 19:30	:37 0.990	74.61	50.0
Saturday, January 23	, 2016 19:35	:38 0.990	79.57	50.4
Saturday, January 23	6, 2016 19:40	:38 0.990	84.52	50.0
Saturday, January 23	6, 2016 19:45	:39 0.990	89.49	50.5
Saturday, January 23	6, 2016 19:50	:39 0.990	94.44	50.1
Saturday, January 23	, 2016 19:55	:40 0.990	99.41	49.9
Saturday, January 23	6, 2016 20:00	:40 0.990	104.36	50.4
Saturday, January 23	, 2016 20:05	:41 0.990	109.33	49.8
Saturday, January 23	6, 2016 20:10	:41 0.990	114.28	49.7
Saturday, January 23	6, 2016 20:15	:42 0.990	119.25	50.1
Saturday, January 23	6, 2016 20:20	:42 0.990	124.20	50.0
Saturday, January 23	6, 2016 20:25	:43 0.990	129.17	50.1
Saturday, January 23	6, 2016 20:30	:43 0.990	134.12	50.5
Saturday, January 23	6, 2016 20:35	:44 0.990	139.09	50.4
Saturday, January 23	6, 2016 20:40	:44 0.990	144.04	50.4
Saturday, January 23	6, 2016 20:45	:45 0.990	149.00	50.1
Saturday, January 23	6, 2016 20:50	:45 0.990	153.96	50.4
Saturday, January 23	, 2016 20:55	:46 0.990	158.92	49.9

Saturday, January 23, 2016 21:00:46 0.990	163.87	50.4
Saturday, January 23, 2016 21:05:47 0.990	168.84	50.5
Saturday, January 23, 2016 21:10:47 0.990	173.79	50.1
Saturday, January 23, 2016 21:15:48 0.990	178.76	50.5
Saturday, January 23, 2016 21:20:48 0.990	183.71	50.0
Saturday, January 23, 2016 21:25:49 0.990	188.68	49.8
Saturday, January 23, 2016 21:30:49 0.990	193.63	50.4
Saturday, January 23, 2016 21:35:50 0.990	198.60	49.8
Saturday, January 23, 2016 21:40:50 0.990	203.55	50.3
Saturday, January 23, 2016 21:45:51 0.990	208.52	50.3
Saturday, January 23, 2016 21:50:51 0.990	213.47	50.0
Saturday, January 23, 2016 21:55:52 0.990	218.43	50.0
Saturday, January 23, 2016 22:00:52 0.990	223.39	50.1
Saturday, January 23, 2016 22:05:53 0.990	228.35	50.3
Saturday, January 23, 2016 22:10:53 0.990	233.30	50.1
Saturday, January 23, 2016 22:15:54 0.990	238.27	49.8
Saturday, January 23, 2016 22:20:54 0.990	243.22	50.0
Saturday, January 23, 2016 22:25:55 0.990	248.19	50.4
Saturday, January 23, 2016 22:30:56 0.990	253.16	49.7
Saturday, January 23, 2016 22:35:56 0.990	258.11	49.8
Saturday, January 23, 2016 22:40:57 0.990	263.08	50.1
Saturday, January 23, 2016 22:45:57 0.990	268.03	50.4
Saturday, January 23, 2016 22:50:58 0.990	273.00	49.9
Saturday, January 23, 2016 22:55:58 0.990	277.95	50.5
Saturday, January 23, 2016 23:00:59 0.990	282.91	49.6
Saturday, January 23, 2016 23:05:59 0.990	287.87	50.2
Saturday, January 23, 2016 23:11:00 0.990	292.83	50.4
Saturday, January 23, 2016 23:16:00 0.990	297.78	50.2
Saturday, January 23, 2016 23:21:01 0.990	302.75	49.6
Saturday, January 23, 2016 23:26:01 0.990	307.70	50.0
Saturday, January 23, 2016 23:31:02 0.990	312.67	50.3
Saturday, January 23, 2016 23:36:02 0.990	317.62	50.4
Saturday, January 23, 2016 23:41:03 0.990	322.59	50.1
Saturday, January 23, 2016 23:46:03 0.990	327.54	49.7
Saturday, January 23, 2016 23:51:04 0.990	332.51	50.1
Saturday, January 23, 2016 23:56:04 0.990	337.46	50.0
Sunday, January 24, 2016 0:01:05 0.990	342.43	49.9
Sunday, January 24, 2016 0:06:05 0.990	347.38	50.1
Sunday, January 24, 2016 0:11:06 0.990	352.34	49.8
Sunday, January 24, 2016 0:16:06 0.990	357.30	49.6
Sunday, January 24, 2016 0:21:07 0.990	362.26	49.6
Sunday, January 24, 2016 0:26:07 0.990	367.21	50.2
Sunday, January 24, 2016 0:31:08 0.990	372.18	50.4
Sunday, January 24, 2016 0:36:08 0.990	377.13	50.5
Sunday, January 24, 2016 0:41:09 0.990	382.10	50.1
Sunday, January 24, 2016 0:46:09 0.990	387.05	50.6
Sunday, January 24, 2016 0:51:10 0.990	392.02	50.3
Sunday, January 24, 2016 0:56:11 0.990	396.99	50.0
Sunday, January 24, 2016 1:01:11 0.990	401.94	50.5
Sunday, January 24, 2016 1:06:12 0.990	406.90	50.5
Sunday, January 24, 2016 1:11:12 0.990	411.86	50.4
Sunday, January 24, 2016 1:16:13 0.990	410.82	50.4 40.7
Sunday, January 24, 2016 1:21:13 0.990	421.//	49./
Sunday, January 24, 2016 1:26:14 0.990	426.74	50.0

Sunday, January 24, 2016 1:31:14 0.990	431.69	50.3
Sunday, January 24, 2016 1:36:15 0.990	436.66	50.4
Sunday, January 24, 2016 1:41:15 0.990	441.61	50.0
Sunday, January 24, 2016 1:46:16 0.990	446.58	49.9
Sunday, January 24, 2016 1:51:16 0.990	451.53	50.4
Sunday, January 24, 2016 1:56:17 0.990	456.50	50.2
Sunday, January 24, 2016 2:01:17 0.990	461.45	50.3
Sunday, January 24, 2016 2:06:18 0.990	466.42	50.3
Sunday, January 24, 2016 2:11:18 0.990	471.37	49.7
Sunday, January 24, 2016 2:16:19 0.990	476.33	50.6
Sunday, January 24, 2016 2:21:19 0.990	481.29	50.4
Sunday, January 24, 2016 2:26:20 0.990	486.25	50.4
Sunday, January 24, 2016 2:31:20 0.990	491.20	50.1
Sunday, January 24, 2016 2:36:21 0.990	496.17	50.5
Sunday, January 24, 2016 2:41:21 0.990	501.12	50.0
Sunday, January 24, 2016 2:46:22 0.990	506.09	50.0
Sunday, January 24, 2016 2:51:22 0.990	511.04	50.1
Sunday, January 24, 2016 2:56:23 0.990	516.01	50.1
Sunday, January 24, 2016 3:01:23 0.990	520.96	50.5
Sunday, January 24, 2016 3:06:24 0.990	525.93	50.4
Sunday, January 24, 2016 3:11:24 0.990	530.88	50.3
Sunday, January 24, 2016 3:16:25 0.990	535.85	50.3
Sunday, January 24, 2016 3:21:25 0.990	540.80	50.4
Sunday, January 24, 2016 3:26:26 0.990	545.77	50.1
Sunday, January 24, 2016 3:31:26 0.990	550.72	50.4
Sunday, January 24, 2016 3:36:27 0.990	555.69	50.1
Sunday, January 24, 2016 3:41:27 0.990	560.64	50.2
Sunday, January 24, 2016 3:46:28 0.990	565.61	50.4
Sunday, January 24, 2016 3:51:29 0.990	570.58	50.2
Sunday, January 24, 2016 3:56:29 0.990	575.53	50.4
Sunday, January 24, 2016 4:01:30 0.990	580.50	49.6
Sunday, January 24, 2016 4:06:30 0.990	585.45	50.4
Sunday, January 24, 2016 4:11:31 0.990	590.42	50.5
Sunday, January 24, 2016 4:16:31 0.990	595.37	50.5
Sunday, January 24, 2016 4:21:32 0.990	600.34	50.3
Sunday, January 24, 2016 4:26:32 0.990	605.29	49.5
Sunday, January 24, 2016 4:31:33 0.990	610.26	50.0
Sunday, January 24, 2016 4:36:33 0.990	615.21	50.0
Sunday, January 24, 2016 4:41:34 0.990	620.18	50.3
Sunday, January 24, 2016 4:46:34 0.990	625.13	50.1
Sunday, January 24, 2016 4:51:35 0.990	630.10	50.3
Sunday, January 24, 2016 4:56:35 0.990	635.05	50.1
Sunday, January 24, 2016 5:01:36 0.990	640.01	50.3
Sunday, January 24, 2016 5:06:37 0.990	644.98	50.3
Sunday, January 24, 2016 5:11:37 0.990	649.93	50.3
Sunday, January 24, 2016 5:16:37 0.990	654.89	50.3
Sunday, January 24, 2016 5:21:38 0.990	659.85	50.2
Sunday, January 24, 2016 5:26:38 0.990	664.81	50.2
Sunday, January 24, 2016 5:31:39 0.990	669.77	49.6
Sunday, January 24, 2016 5:36:39 0.990	674.73	49.8
Sunday, January 24, 2016 5:41:40 0.990	679.69	50.4
Sunday, January 24, 2016 5:46:41 0.990	684.66	50.4
Sunday, January 24, 2016 5:51:41 0.990	689.61	50.3
Sunday, January 24, 2016 5:56:42 0.990	694.58	49.4

Sunday, January 24, 2016 6:01:42 0.990	699.53	50.3
Sunday, January 24, 2016 6:06:43 0.990	704.50	50.5
Sunday, January 24, 2016 6:11:43 0.990	709.45	50.3
Sunday, January 24, 2016 6:15:02 0.990	712.74	50.1

aqms5 formaldehyde001 Ch. 1 Cartridge Started Friday, January 29, 2016 6:00:04 Flow Rate Set Point 1.00 l/min Stopped Friday, January 29, 2016 18:00:24 Total Volume 713.08 liters Total Sample Time 12.00 hours Average Flow Rate 0.000 l/min Minimum Flow Rate 0.000 l/min Maximum Flow Rate 400.000 l/min Pre Start Leak Rate -0.003 l/min Ending Leak Rate -0.005 l/min Flow Controller Zero -0.004 l/min Error Code 0 Error Status OK No Errors

Time	Flow Rate	Volume	e Te	mp
Friday, January 29,	2016 6:00:31	0.077	0.23	50.1
Friday, January 29,	2016 6:05:32	0.991	5.20	50.0
Friday, January 29,	2016 6:10:32	0.991	10.15	50.3
Friday, January 29,	2016 6:15:33	0.991	15.12	50.1
Friday, January 29,	2016 6:20:33	0.991	20.07	49.9
Friday, January 29,	2016 6:25:33	0.991	25.03	50.3
Friday, January 29,	2016 6:30:34	0.991	30.00	50.5
Friday, January 29,	2016 6:35:34	0.991	34.95	50.1
Friday, January 29,	2016 6:40:35	0.991	39.92	50.4
Friday, January 29,	2016 6:45:36	0.991	44.89	49.9
Friday, January 29,	2016 6:50:36	0.991	49.84	49.9
Friday, January 29,	2016 6:55:37	0.991	54.81	50.4
Friday, January 29,	2016 7:00:37	0.991	59.77	50.5
Friday, January 29,	2016 7:05:38	0.991	64.74	49.8
Friday, January 29,	2016 7:10:38	0.991	69.69	50.5
Friday, January 29,	2016 7:15:39	0.991	74.66	49.6
Friday, January 29,	2016 7:20:39	0.991	79.61	50.5
Friday, January 29,	2016 7:25:40	0.991	84.58	49.6
Friday, January 29,	2016 7:30:40	0.991	89.54	50.2
Friday, January 29,	2016 7:35:41	0.991	94.51	50.6
Friday, January 29,	2016 7:40:41	0.991	99.46	49.7
Friday, January 29,	2016 7:45:42	0.991	104.43	50.0
Friday, January 29,	2016 7:50:42	0.991	109.38	50.4
Friday, January 29,	2016 7:55:43	0.991	114.35	50.6
Friday, January 29,	2016 8:00:43	0.991	119.31	50.0
Friday, January 29,	2016 8:05:44	0.991	124.28	50.3
Friday, January 29,	2016 8:10:44	0.991	129.23	50.5
Friday, January 29,	2016 8:15:45	0.991	134.20	50.1
Friday, January 29,	2016 8:20:45	0.991	139.16	49.6
Friday, January 29,	2016 8:25:46	0.991	144.13	49.7
Friday, January 29,	2016 8:30:46	0.991	149.08	50.1
Friday, January 29,	2016 8:35:47	0.991	154.05	50.2
Friday, January 29,	2016 8:40:47	0.991	159.00	49.7

Friday, January 29, 2016 8:45:48 0.991	163.97	50.1
Friday, January 29, 2016 8:50:48 0.991	168.93	50.5
Friday, January 29, 2016 8:55:49 0 991	173.90	50.2
Friday, January 29, 2016 9:00:49,0.991	178 85	50.4
Friday, January 29, 2016 9:05:50 0 991	183.82	50.4
Friday, January 29, 2016 9:10:50 0.991	188 77	50.5
Friday, January 29, 2016 9:16:50 0:991	193 74	50.5
Friday, January 29, 2010 9:19:51 0:991	198 70	50.5 50.4
Friday, January 29, 2010 9:20:51 0:991	203.67	50. 4 50.1
Friday, January 29, 2010 9:23:52 0:991 Friday, January 29, 2016 9:30:52 0.991	203.07	50.1
Friday, January 29, 2010 9:30:32 0:991 Friday, January 20, 2016 0:35:53 0 001	208.02	50.5
Eriday, January 29, 2010 9.55.55 0.991	213.39	50.1
Friday, January 29, 2010 9.40.35 0.991 Friday, January 20, 2016 0.45.54 0.001	210.34	50.0
Friday, January 29, 2010 9.43.34 0.991 Eriday, January 20, 2016 0.50.54 0.001	223.31	50.2 50.6
Friday, January 29, 2010 9.50.54 0.991	220.47	50.0
Friday, January 29, 2016 9:55:55 0.991	233.44	50.4
Friday, January 29, 2016 10:00:55 0.991	238.39	50.4
Friday, January 29, 2016 10:05:56 0.991	243.30	50.0
Friday, January 29, 2016 10:10:56 0.991	248.32	49.9
Friday, January 29, 2016 10:15:57 0.991	253.29	50.6
Friday, January 29, 2016 10:20:58 0.991	258.26	50.1
Friday, January 29, 2016 10:25:58 0.991	263.21	50.1
Friday, January 29, 2016 10:30:59 0.991	268.18	50.5
Friday, January 29, 2016 10:35:59 0.991	273.13	50.2
Friday, January 29, 2016 10:41:00 0.991	278.10	49.8
Friday, January 29, 2016 10:46:00 0.991	283.06	49.8
Friday, January 29, 2016 10:51:01 0.991	288.03	50.4
Friday, January 29, 2016 10:56:01 0.991	292.98	50.4
Friday, January 29, 2016 11:01:02 0.991	297.95	50.5
Friday, January 29, 2016 11:06:02 0.991	302.91	50.0
Friday, January 29, 2016 11:11:03 0.991	307.88	50.6
Friday, January 29, 2016 11:16:03 0.991	312.83	50.5
Friday, January 29, 2016 11:21:04 0.991	317.80	49.7
Friday, January 29, 2016 11:26:04 0.991	322.75	50.5
Friday, January 29, 2016 11:31:05 0.991	327.72	50.5
Friday, January 29, 2016 11:36:05 0.991	332.68	49.9
Friday, January 29, 2016 11:41:06 0.991	337.65	50.1
Friday, January 29, 2016 11:46:06 0.991	342.60	49.4
Friday, January 29, 2016 11:51:07 0.991	347.57	50.5
Friday, January 29, 2016 11:56:07 0.991	352.53	50.1
Friday, January 29, 2016 12:01:08 0.991	357.50	50.7
Friday, January 29, 2016 12:06:08 0.991	362.45	50.1
Friday, January 29, 2016 12:11:09 0.991	367.42	50.4
Friday, January 29, 2016 12:16:09 0.991	372.37	50.2
Friday, January 29, 2016 12:21:10 0.991	377.34	49.7
Friday, January 29, 2016 12:26:10 0.991	382.30	49.6
Friday, January 29, 2016 12:31:11 0.991	387.27	50.1
Friday, January 29, 2016 12:36:11 0.991	392.22	50.2
Friday, January 29, 2016 12:41:12 0.991	397.19	50.1
Friday, January 29, 2016 12:46:12 0.991	402.14	50.0
Friday, January 29, 2016 12:51:13 0.991	407.12	50.1
Friday, January 29, 2016 12:56:13 0.991	412.07	50.2
Friday, January 29, 2016 13:01:14 0.991	417.04	50.4
Friday, January 29, 2016 13:06:14 0.991	421.99	50.3
Friday, January 29, 2016 13:11:15 0.991	426.96	50.4

Friday, January 29, 2016 13:16:15 0.991	431.92	49.6
Friday, January 29, 2016 13:21:16 0.991	436.89	50.2
Friday, January 29, 2016 13:26:16 0.991	441.84	50.1
Friday, January 29, 2016 13:31:17 0.991	446.81	50.2
Friday, January 29, 2016 13:36:17 0.991	451.77	50.5
Friday, January 29, 2016 13:41:18 0.991	456.74	50.1
Friday, January 29, 2016 13:46:19 0.991	461.71	50.2
Friday, January 29, 2016 13:51:19 0.991	466.66	50.5
Friday, January 29, 2016 13:56:20 0.991	471.63	50.4
Friday, January 29, 2016 14:01:20 0.991	476.58	50.6
Friday, January 29, 2016 14:06:21 0.991	481.55	50.2
Friday, January 29, 2016 14:11:21 0.991	486.51	50.5
Friday, January 29, 2016 14:16:22 0.991	491.48	50.5
Friday, January 29, 2016 14:21:22 0.991	496.43	50.1
Friday, January 29, 2016 14:26:23 0.991	501.40	49.7
Friday, January 29, 2016 14:31:23 0.991	506.36	50.0
Friday, January 29, 2016 14:36:24 0.991	511.33	50.5
Friday, January 29, 2016 14:41:24 0.991	516.28	50.1
Friday, January 29, 2016 14:46:25 0.991	521.25	49.8
Friday, January 29, 2016 14:51:25 0.991	526.20	50.5
Friday, January 29, 2016 14:56:26 0.991	531.17	50.6
Friday, January 29, 2016 15:01:26 0.991	536.13	50.5
Friday, January 29, 2016 15:06:27 0.991	541.10	50.7
Friday, January 29, 2016 15:11:27 0.991	546.05	50.0
Friday, January 29, 2016 15:16:28 0.991	551.02	50.1
Friday, January 29, 2016 15:21:28 0.991	555.97	50.1
Friday, January 29, 2016 15:26:29 0.991	560.94	50.2
Friday, January 29, 2016 15:31:29 0.991	565.90	49.6
Friday, January 29, 2016 15:36:30 0.991	570.87	50.4
Friday, January 29, 2016 15:41:30 0.991	575.82	49.7
Friday, January 29, 2016 15:46:31 0.991	580.79	50.6
Friday, January 29, 2016 15:51:31 0.991	585.74	50.3
Friday, January 29, 2016 15:56:32 0.991	590.71	50.5
Friday, January 29, 2016 16:01:32 0.991	595.67	50.2
Friday, January 29, 2016 16:06:33 0.991	600.64	50.1
Friday, January 29, 2016 16:11:34 0.991	605.61	50.6
Friday, January 29, 2016 16:16:34 0.991	610.56	50.5
Friday, January 29, 2016 16:21:35 0.991	615.53	50.4
Friday, January 29, 2016 16:26:35 0.991	620.48	50.2
Friday, January 29, 2016 16:31:36 0.991	625.45	50.1
Friday, January 29, 2016 16:36:36 0.991	630.41	50.1
Friday, January 29, 2016 16:41:37 0.991	635.38	50.5
Friday, January 29, 2016 16:46:37 0.991	640.33	49.9
Friday, January 29, 2016 16:51:38 0.991	645.30	50.4
Friday, January 29, 2016 16:56:38 0.991	650.25	50.4
Friday, January 29, 2016 17:01:39 0.991	655.22	50.5
Friday, January 29, 2016 17:06:39 0.991	660.18	50.4
Friday, January 29, 2016 17:11:40 0.991	665.15	50.6
Friday, January 29, 2016 17:16:40 0.991	0/0.10	50.4
Friday, January 29, 2016 17:21:41 0.991	0/3.0/	50.5 40.7
Friday, January 29, 2016 17:26:41 0.991	080.02	49./ 40.7
Friday, January 29, 2016 17:31:42 0.991 Eriday, January 20, 2016 17:26:42 0.001	084.99 680.05	49./ 50.0
Friday, January 29, 2010 17:30:42 0.991 Friday, January 20, 2016 17:41:42 0.001	009.93 604.01	50.0 50.9
Friday, January 29, 2016 17:41:43 0.991	094.91	20.8

Friday, January 29, 2016 17:46:43 0.991	699.87	50.2
Friday, January 29, 2016 17:51:44 0.991	704.84	50.1
Friday, January 29, 2016 17:56:44 0.991	709.79	50.5
Friday, January 29, 2016 18:00:03 0.991	713.08	50.5

aqms5 formaldehyde002 Ch. 2 Cartridge Started Friday, January 29, 2016 18:15:00 Flow Rate Set Point 1.00 l/min Stopped Saturday, January 30, 2016 6:15:25 Total Volume 712.81 liters Total Sample Time 12.00 hours Average Flow Rate 0.000 l/min Minimum Flow Rate 0.000 l/min Maximum Flow Rate 400.000 l/min Pre Start Leak Rate 0.002 l/min Ending Leak Rate -0.005 l/min Flow Controller Zero -0.005 l/min Error Code 0 Error Status OK No Errors

Time	Flow Rate	Volume	Tem	р
Friday, January 29,	2016 18:15:27	0.080	0.22	50.1
Friday, January 29,	2016 18:20:27	0.990	5.18	50.4
Friday, January 29,	2016 18:25:28	0.990	10.14	49.7
Friday, January 29,	2016 18:30:28	0.990	15.09	50.6
Friday, January 29,	2016 18:35:29	0.990	20.06	50.0
Friday, January 29,	2016 18:40:29	0.990	25.01	50.1
Friday, January 29,	2016 18:45:30	0.990	29.98	50.3
Friday, January 29,	2016 18:50:31	0.990	34.95	50.0
Friday, January 29,	2016 18:55:31	0.990	39.90	50.6
Friday, January 29,	2016 19:00:32	0.990	44.87	50.5
Friday, January 29,	2016 19:05:32	0.990	49.82	50.7
Friday, January 29,	2016 19:10:33	0.990	54.78	49.8
Friday, January 29,	2016 19:15:33	0.990	59.74	50.4
Friday, January 29,	2016 19:20:34	0.990	64.70	50.0
Friday, January 29,	2016 19:25:34	0.990	69.65	50.0
Friday, January 29,	2016 19:30:35	0.990	74.62	50.0
Friday, January 29,	2016 19:35:35	0.990	79.57	50.2
Friday, January 29,	2016 19:40:36	0.990	84.54	50.4
Friday, January 29,	2016 19:45:36	0.990	89.49	50.5
Friday, January 29,	2016 19:50:37	0.990	94.46	50.0
Friday, January 29,	2016 19:55:37	0.990	99.41	50.3
Friday, January 29,	2016 20:00:38	0.990	104.38	50.1
Friday, January 29,	2016 20:05:38	0.990	109.33	50.0
Friday, January 29,	2016 20:10:39	0.990	114.30	50.5
Friday, January 29,	2016 20:15:40	0.990	119.26	50.4
Friday, January 29,	2016 20:20:40	0.990	124.21	50.3
Friday, January 29,	2016 20:25:41	0.990	129.18	50.6
Friday, January 29,	2016 20:30:41	0.990	134.13	49.6
Friday, January 29,	2016 20:35:42	0.990	139.10	50.4
Friday, January 29,	2016 20:40:42	0.990	144.05	50.1
Friday, January 29,	2016 20:45:43	0.990	149.02	50.4
Friday, January 29,	2016 20:50:43	0.990	153.97	49.7
Friday, January 29,	2016 20:55:44	0.990	158.94	50.1

Friday, January 29, 2016 21:00:44 0.990	163.89	50.4
Friday, January 29, 2016 21:05:45 0.990	168.86	50.2
Friday, January 29, 2016 21:10:45 0.990	173.81	50.2
Friday, January 29, 2016 21:15:46 0.990	178.77	50.5
Friday, January 29, 2016 21:20:46 0.990	183.72	50.2
Friday, January 29, 2016 21:25:47 0.990	188.69	50.0
Friday, January 29, 2016 21:30:47 0.990	193.64	50.6
Friday, January 29, 2016 21:35:48 0 990	198.61	50.0
Friday, January 29, 2016 21:40:48 0 990	203.56	50.0
Friday, January 29, 2016 21:45:49 0.990	208.53	50.2
Friday, January 29, 2016 21:10:19 01990	213 50	50. <u>2</u>
Friday, January 29, 2016 21:55:50 0 990	218.30	50.3
Friday, January 29, 2016 22:00:51 0 990	210.15	50.5
Friday, January 29, 2016 22:00:51 0.990	223.12	50.5
Friday, January 29, 2016 22:05:51 0.590	220.37	50.1
Friday, January 29, 2016 22:10:52 0.990	233.33	50.1
Eriday, January 29, 2016 22:15:52 0.990	230.27	<u> ЛО Л</u>
Friday, January 29, 2016 22:20:55 0.990	243.23	4). 4 50.6
Eriday, January 29, 2016 22:25:55 0.550	2+0.20 253 17	50.0
Eriday, January 29, 2016 22:30:34 0.390	253.17	50.4
Friday, January 29, 2010 $22.35.54$ 0.390 Eriday, January 20, 2016 $22.40.55$ 0.000	250.12	50.4
Friday, January 29, 2010 $22.40.55$ 0.990 Eriday, January 20, 2016 $22.45.55$ 0.000	203.09	50.0
Friday, January 29, 2010 22:45:55 0.990 Eriday, January 20, 2016 22:50:56 0.000	200.04	50.2 50.1
Friday, January 29, 2010 22:30:30 0.990	273.01	30.1 40.8
Friday, January 29, 2016 22:35:50 0.990	211.90	49.8
Friday, January 29, 2016 23:00:57 0.990	202.93	50.4
Friday, January 29, 2016 23:05:57 0.990	207.88	50.0
Friday, January 29, 2016 23:10:58 0.990	292.85	50.1
Friday, January 29, 2016 23:15:59 0.990	297.81	50.2
Friday, January 29, 2016 23:20:59 0.990	302.76	50.5
Friday, January 29, 2016 23:26:00 0.990	307.73	50.4
Friday, January 29, 2016 23:31:00 0.990	312.68	50.5
Friday, January 29, 2016 23:36:01 0.990	317.65	49.4
Friday, January 29, 2016 23:41:01 0.990	322.60	50.5
Friday, January 29, 2016 23:46:02 0.990	327.57	49.6
Friday, January 29, 2016 23:51:02 0.990	332.52	50.5
Friday, January 29, 2016 23:56:03 0.990	337.49	50.2
Saturday, January 30, 2016 0:01:04 0.990	342.45	50.6
Saturday, January 30, 2016 0:06:04 0.990	347.41	50.6
Saturday, January 30, 2016 0:11:05 0.990	352.37	49.7
Saturday, January 30, 2016 0:16:05 0.990	357.32	49.7
Saturday, January 30, 2016 0:21:06 0.990	362.29	50.1
Saturday, January 30, 2016 0:26:06 0.990	367.24	50.4
Saturday, January 30, 2016 0:31:07 0.990	372.21	49.6
Saturday, January 30, 2016 0:36:08 0.990	377.18	49.2
Saturday, January 30, 2016 0:41:08 0.990	382.13	50.1
Saturday, January 30, 2016 0:46:09 0.990	387.10	50.7
Saturday, January 30, 2016 0:51:09 0.990	392.05	50.4
Saturday, January 30, 2016 0:56:10 0.990	397.01	50.1
Saturday, January 30, 2016 1:01:10 0.990	401.96	49.7
Saturday, January 30, 2016 1:06:11 0.990	406.93	50.5
Saturday, January 30, 2016 1:11:12 0.990	411.90	50.4
Saturday, January 30, 2016 1:16:12 0.990	416.85	50.6
Saturday, January 30, 2016 1:21:13 0.990	421.82	50.0
Saturday, January 30, 2016 1:26:13 0.990	426.77	49.9

Saturday, January 30, 2016 1:31:14 0.990	431.74	50.2
Saturday, January 30, 2016 1:36:14 0.990	436.69	50.6
Saturday, January 30, 2016 1:41:15 0.990	441.66	49.7
Saturday, January 30, 2016 1:46:15 0.990	446.61	49.7
Saturday, January 30, 2016 1:51:16 0.990	451.57	49.5
Saturday, January 30, 2016 1:56:17 0.990	456.54	50.1
Saturday, January 30, 2016 2:01:17 0.990	461.49	50.0
Saturday, January 30, 2016 2:06:18 0.990	466.46	50.2
Saturday, January 30, 2016 2:11:18 0.990	471.41	50.4
Saturday, January 30, 2016 2:16:19 0.990	476.38	50.1
Saturday, January 30, 2016 2:21:19 0.990	481.33	50.0
Saturday, January 30, 2016 2:26:20 0.990	486.30	49.9
Saturday, January 30, 2016 2:31:20 0.990	491.25	50.3
Saturday, January 30, 2016 2:36:21 0.990	496.22	50.5
Saturday, January 30, 2016 2:41:21 0.990	501.17	50.2
Saturday, January 30, 2016 2:46:22 0.990	506.13	50.1
Saturday, January 30, 2016 2:51:23 0.990	511.10	49.9
Saturday, January 30, 2016 2:56:23 0.990	516.05	49.8
Saturday, January 30, 2016 3:01:24 0.990	521.02	50.6
Saturday, January 30, 2016 3:06:24 0.990	525.97	50.4
Saturday, January 30, 2016 3:11:25 0.990	530.94	50.1
Saturday, January 30, 2016 3:16:25 0.990	535.89	50.5
Saturday, January 30, 2016 3:21:26 0.990	540.86	49.7
Saturday, January 30, 2016 3:26:26 0.990	545.81	49.4
Saturday, January 30, 2016 3:31:27 0.990	550.78	50.3
Saturday, January 30, 2016 3:36:27 0.990	555.73	50.2
Saturday, January 30, 2016 3:41:28 0.990	560.70	49.8
Saturday, January 30, 2016 3:46:29 0.990	565.67	50.0
Saturday, January 30, 2016 3:51:29 0.990	570.62	50.2
Saturday, January 30, 2016 3:56:30 0.990	575.59	50.1
Saturday, January 30, 2016 4:01:30 0.990	580.54	50.5
Saturday, January 30, 2016 4:06:31 0.990	585.51	49.6
Saturday, January 30, 2016 4:11:31 0.990	590.46	50.0
Saturday, January 30, 2016 4:16:32 0.990	595.43	50.3
Saturday, January 30, 2016 4:21:32 0.990	600.38	50.2
Saturday, January 30, 2016 4:26:33 0.990	605.35	49.7
Saturday, January 30, 2016 4:31:33 0.990	610.30	50.4
Saturday, January 30, 2016 4:36:34 0.990	615.27	50.1
Saturday, January 30, 2016 4:41:35 0.990	620.24	49.4
Saturday, January 30, 2016 4:46:35 0.990	625.19	50.2
Saturday, January 30, 2016 4:51:36 0.990	630.16	50.4
Saturday, January 30, 2016 4:56:36 0.990	635.11	50.0
Saturday, January 30, 2016 5:01:37 0.990	640.08	50.1
Saturday, January 30, 2016 5:06:37 0.990	645.03	50.1
Saturday, January 30, 2016 5:11:38 0.990	650.00	49.3
Saturday, January 30, 2016 5:16:38 0.990	654.95	50.4
Saturday, January 30, 2016 5:21:39 0.990	659.92	50.0
Saturday, January 30, 2016 5:26:40 0.990	664.88	50.0
Saturday, January 30, 2016 5:31:40 0.990	669.84	50.3
Saturday, January 30, 2016 5:36:41 0.990	674.80	50.4
Saturday, January 30, 2016 5:41:41 0.990	679.76	50.1
Saturday, January 30, 2016 5:46:42 0.990	684.72	50.5
Saturday, January 30, 2016 5:51:42 0.990	689.67	50.1
Saturday, January 30, 2016 5:56:43 0.990	694.64	50.2

Saturday, January 30, 2016 6:01:44 0.990	699.61	50.7
Saturday, January 30, 2016 6:06:44 0.990	704.56	49.8
Saturday, January 30, 2016 6:11:45 0.990	709.53	50.1
Saturday, January 30, 2016 6:15:03 0.990	712.80	50.5

aqms5 formaldehyde001 Ch. 1 Cartridge Started Thursday, February 04, 2016 6:00:04 Flow Rate Set Point 1.00 l/min Stopped Thursday, February 04, 2016 18:00:23 Total Volume 713.15 liters Total Sample Time 12.00 hours Average Flow Rate 0.000 l/min Minimum Flow Rate 0.000 l/min Maximum Flow Rate 400.000 l/min Pre Start Leak Rate -0.003 l/min Ending Leak Rate -0.004 l/min Flow Controller Zero -0.004 l/min Error Code 0 Error Status OK No Errors

Time	Flow Rate	Volume	Temp	
Thursday, February	04, 2016 6:00	:31 0.078	0.23	50.4
Thursday, February	04, 2016 6:05	:31 0.991	5.18	50.4
Thursday, February	04, 2016 6:10	:32 0.991	10.15	49.9
Thursday, February	04, 2016 6:15	:32 0.991	15.10	50.5
Thursday, February	04, 2016 6:20	:33 0.991	20.08	50.0
Thursday, February	04, 2016 6:25	:33 0.991	25.03	50.5
Thursday, February	04, 2016 6:30	:34 0.991	30.00	49.7
Thursday, February	04, 2016 6:35	:34 0.991	34.95	50.3
Thursday, February	04, 2016 6:40	:35 0.991	39.92	50.1
Thursday, February	04, 2016 6:45	:36 0.991	44.89	50.1
Thursday, February	04, 2016 6:50	:36 0.991	49.85	50.8
Thursday, February	04, 2016 6:55	:37 0.991	54.82	50.7
Thursday, February	04, 2016 7:00	:37 0.991	59.77	50.0
Thursday, February	04, 2016 7:05	:38 0.991	64.74	50.8
Thursday, February	04, 2016 7:10	:38 0.991	69.70	49.5
Thursday, February	04, 2016 7:15	:39 0.991	74.67	50.9
Thursday, February	04, 2016 7:20	:40 0.991	79.64	50.3
Thursday, February	04, 2016 7:25	:40 0.991	84.59	50.1
Thursday, February	04, 2016 7:30	:41 0.991	89.57	50.6
Thursday, February	04, 2016 7:35	:41 0.991	94.52	50.1
Thursday, February	04, 2016 7:40	:42 0.991	99.49	50.4
Thursday, February	04, 2016 7:45	:43 0.991	104.46	50.2
Thursday, February	04, 2016 7:50	:43 0.991	109.42	50.2
Thursday, February	04, 2016 7:55	:44 0.991	114.39	50.5
Thursday, February	04, 2016 8:00	:44 0.991	119.34	50.7
Thursday, February	04, 2016 8:05	:45 0.991	124.31	50.0
Thursday, February	04, 2016 8:10	:45 0.991	129.27	50.1
Thursday, February	04, 2016 8:15	:46 0.991	134.24	50.1
Thursday, February	04, 2016 8:20	:47 0.991	139.21	50.6
Thursday, February	04, 2016 8:25	:47 0.991	144.16	49.8
Thursday, February	04, 2016 8:30	:48 0.991	149.13	50.5
Thursday, February	04, 2016 8:35	:49 0.991	154.10	50.2
Thursday, February	04, 2016 8:40	:49 0.991	159.06	50.8

Thursday, February 04, 2016 8:45:50 0.991	164.03	51.1
Thursday, February 04, 2016 8:50:50 0.991	168.98	50.9
Thursday, February 04, 2016 8:55:51 0.991	173.95	50.3
Thursday, February 04, 2016 9:00:52 0.991	178.93	50.5
Thursday, February 04, 2016 9:05:52 0.991	183.88	50.6
Thursday, February 04, 2016 9:10:53 0.991	188.85	50.0
Thursday, February 04, 2016 9:15:53 0.991	193.81	49.4
Thursday, February 04, 2016 9:20:54 0.991	198.78	50.1
Thursday, February 04, 2016 9:25:55 0.991	203.75	51.0
Thursday, February 04, 2016 9:30:55 0.991	208.70	50.4
Thursday, February 04, 2016 9:35:56 0.991	213.67	50.7
Thursday, February 04, 2016 9:40:56 0.991	218.63	50.1
Thursday, February 04, 2016 9:45:57 0.991	223.60	50.4
Thursday, February 04, 2016 9:50:58 0.991	228.57	51.0
Thursday, February 04, 2016 9:55:58 0.991	233.52	50.4
Thursday, February 04, 2016 10:00:59 0.991	238.49	50.2
Thursday, February 04, 2016 10:05:59 0 991	243.45	50.4
Thursday, February 04, 2016 10:11:00 0 991	248.42	50.4
Thursday, February 04, 2016 10:16:00 0 991	253.37	49.8
Thursday, February 04, 2016 10:21:01 0 991	258.34	50.1
Thursday, February 04, 2016 10:26:02,0.991	263 31	50.6
Thursday, February 04, 2016 10:20:02 0:991	268.27	49.0
Thursday, February 04, 2016 10:36:03 0 991	273.24	50.0
Thursday, February 04, 2016 10:30:05 0.991 Thursday, February 04, 2016 10:41:03 0 991	278.19	50.0
Thursday, February 04, 2016 10:46:04 0 991	283.16	50.1
Thursday, February 04, 2016 10:10:00 0.991	288.14	50.7
Thursday, February 04, 2016 10:51:05 0.991	200.11	50.5
Thursday, February 04, 2016 11:01:06 0 991	298.06	50.7
Thursday, February 04, 2016 11:06:06 0 991	303.01	50.4 50.1
Thursday, February 04, 2016 11:00:00 0.991 Thursday, February 04, 2016 11:11:07 0 991	307.99	50.1
Thursday, February 04, 2016 11:11:07 0.991 Thursday, February 04, 2016 11:16:08 0 991	312.96	51.0
Thursday, February 04, 2016 11:10:00 0.991 Thursday, February 04, 2016 11:21:08 0.991	317.91	50.0
Thursday, February 04, 2016 11:21:00 0.991	322.88	50.0
Thursday, February 04, 2016 11:20:09 0.991	322.00	50.1
Thursday, February 04, 2016 11:31:09 0.991	332.81	50.5
Thursday, February 04, 2016 11:30:10 0.991	337.76	50.1
Thursday, February 04, 2016 11:46:11 0 991	342 73	50.9
Thursday, February 04, 2016 11:50:11 0.991	347 70	50.5
Thursday, February 04, 2016 11:56:12,0.991	352.66	50.8
Thursday, February 04, 2016 12:01:13 0 991	357.63	50.0
Thursday, February 04, 2016 12:01:13 0.991	362 58	50.1
Thursday, February 04, 2016 12:00:15 0.991 Thursday, February 04, 2016 12:11:14 0.991	367 55	50.1
Thursday, February 04, 2016 12:11:14 0.991 Thursday, February 04, 2016 12:16:15 0.991	372 52	50.4
Thursday, February 04, 2016 12:10:15 0.991	377.48	50.0
Thursday, February 04, 2016 12:21:15 0.991	382.45	50.0
Thursday, February 04 , 2016 12:20:10 0.991 Thursday, February 04 , 2016 12:31:16 0.991	387.40	50.1
Thursday, February 04 , 2016 12:31:10 0.991 Thursday, February 04 , 2016 12:36:17 0 991	307.40	50.3
Thursday, February 04 , 2016 12:30:17 0.991 Thursday, February 04 , 2016 12:41:18 0.991	397 35	50.5
Thursday, February 04, 2016 $12.41.100.991$	402.30	50.0
Thursday, February 04, 2016 $12.51:10.091$	407.27	<i>J</i> 0.1 <i>/</i> 0.7
Thursday, February 04, 2010 12:51:17 0.991 Thursday, February 04, 2016 12:56:10 0.001	412.27	-72.7 19.8
Thursday, February 04, 2010 12.30.19 0.991 Thursday, February 04, 2016 13.01.20 0.001	$\frac{12.22}{417.20}$	
Thursday, February 04, 2010 13:01:20 0.991 Thursday, February 04, 2016 13:06:21 0.001	± 17.20 ± 17.20	50.5
Thursday, February 04, 2010 15.00.21 0.991 Thursday, February 04, 2016 12.11.21 0.001	+22.17 107 10	50.2 50.0
111115uay, 1°001uary 0+, 2010 15.11.21 0.991	427.12	50.0

Thursday, February 04, 2016 13:16:22 0.991	432.09	50.1
Thursday, February 04, 2016 13:21:22 0.991	437.05	50.2
Thursday, February 04, 2016 13:26:23 0.991	442.02	50.1
Thursday, February 04, 2016 13:31:24 0.991	446.99	50.0
Thursday, February 04, 2016 13:36:24 0.991	451.94	49.4
Thursday, February 04, 2016 13:41:25 0.991	456.91	50.8
Thursday, February 04, 2016 13:46:25 0.991	461.87	50.7
Thursday, February 04, 2016 13:51:26 0.991	466.84	50.4
Thursday, February 04, 2016 13:56:27 0.991	471.81	50.8
Thursday, February 04, 2016 14:01:27 0.991	476.76	49.7
Thursday, February 04, 2016 14:06:28 0.991	481.73	50.8
Thursday, February 04, 2016 14:11:28 0.991	486.69	49.3
Thursday, February 04, 2016 14:16:29 0.991	491.66	50.2
Thursday, February 04, 2016 14:21:30 0.991	496.63	50.2
Thursday, February 04, 2016 14:26:30 0.991	501.58	50.5
Thursday, February 04, 2016 14:31:31 0.991	506.56	50.2
Thursday, February 04, 2016 14:36:31 0.991	511.51	50.5
Thursday, February 04, 2016 14:41:32 0.991	516.48	50.6
Thursday, February 04, 2016 14:46:33 0.991	521.45	49.9
Thursday, February 04, 2016 14:51:33 0 991	526.41	50.2
Thursday, February 04, 2016 14:56:34 0 991	531 38	50.3
Thursday, February 04, 2016 15:01:34 0 991	536 33	50.5
Thursday, February 04, 2016 15:06:35 0 991	541 30	50.1
Thursday, February 04, 2016 15:00.55 0.991 Thursday, February 04, 2016 15:11:35 0.991	546.26	<u> </u>
Thursday, February 04, 2016 15:11:55 0.991 Thursday, February 04, 2016 15:16:36 0.991	551.23	49 7
Thursday, February 04, 2016 15:10:50 0.991 Thursday, February 04, 2016 15:21:37 0 991	556.20	50.1
Thursday, February 04, 2016 15:26:37 0.991	561 16	<u>Л</u> 9 Л
Thursday, February 04 , 2016 15:20.57 0.991 Thursday, February 04 , 2016 15:31:38 0.991	566 13	
Thursday, February 04 , 2016 15:36:38 0.991 Thursday, February 04 , 2016 15:36:38 0.991	571.08	50.0
Thursday, February 04 , 2016 15:50:50 0.991 Thursday, February 04 , 2016 15:41:39 0.991	576.05	50.0
Thursday, February $04, 2016, 15.46.40, 0.991$	581.02	50.0
Thursday, February $04, 2016, 15.51:40, 0.991$	585.98	50.0
Thursday, February 04 , 2016 15:56:41 0 001	500.05	J0.1 /0 5
Thursday, February 04, 2016 $15.50.410.991$ Thursday, February 04, 2016 $16.01.410.991$	505.00	49.5 50.5
Thursday, February 04, 2016 $16.06.42 \times 0.001$	600.87	50.5
Thursday, February 04, 2016 $16.00.42 \ 0.991$	605.83	50.1
Thursday, February 04, 2016 16:16:42 0.091	610.80	JU.0
Thursday, February 04, 2016 16:21:42 0.001	615 75	49.9
Thursday, February 04, 2016 16:26:44 0 001	620.72	50.5
Thursday, February 04, 2016 16:20:44 0.991 Thursday, February 04, 2016 16:21:44 0.001	625.67	50.2
Thursday, February 04, 2016 16:36:45 0 001	620.64	50.1
Thursday, February 04, 2016 16:41:45 0.001	625.60	50.5
Thursday, February 04, 2016 16:41:45 0.991 Thursday, February 04, 2016 16:46:46 0.001	033.00 640.57	50.0
Thursday, February 04, 2016 16.51.47 0.001	040.57 645.54	50.0
Thursday, February 04, 2016 16:56:47 0.001	650.40	30.4 40.8
Thursday, February 04, 2016 10:30:47 0.991 Thursday, February 04, 2016 17:01:48 0.001	030.49 655 46	49.8
Thursday, February 04, 2016 17:01:48 0.991 Thursday, February 04, 2016 17:06:48 0.001	033.40	49.9
Thursday, February 04, 2016 17:00:48 0.991 Thursday, February 04, 2016 17:11:40 0.001	000.42 665.20	50.5
Thursday, February 04, 2016 17:11:49 0.991	670.24	50.5
Thursday, February 04, 2016 17:10:49 0.991 Thursday, Echanger 04, 2016 17:21:50 0.001	0/0.34	50.5 50.1
Thursday, February 04, 2016 17:21:50 0.991	0/3.31	50.1
Thursday, February 04, 2016 17:26:50 0.991	080.20	50.0
Thursday, February 04, 2016 17:31:51 0.991	085.25	50.8
Thursday, February 04, 2016 17:36:51 0.991	090.19	50.2
Inursday, February 04, 2016 17:41:52 0.991	695.16	49.7

Thursday, February 04, 2016 17:46:52 0.991	700.11	50.1
Thursday, February 04, 2016 17:51:53 0.991	705.08	50.1
Thursday, February 04, 2016 17:56:53 0.991	710.04	50.2
Thursday, February 04, 2016 18:00:01 0.991	713.14	50.4

aqms5 formaldehyde002 Ch. 2 Cartridge Started Thursday, February 04, 2016 18:15:04 Flow Rate Set Point 1.00 l/min Stopped Friday, February 05, 2016 6:15:26 Total Volume 712.77 liters Total Sample Time 12.00 hours Average Flow Rate 0.000 l/min Minimum Flow Rate 0.000 l/min Maximum Flow Rate 400.000 l/min Pre Start Leak Rate 0.003 l/min Ending Leak Rate -0.004 l/min Flow Controller Zero -0.005 l/min Error Code 0 Error Status OK No Errors

Time	Flow Rate	Volume	Temp	
Thursday February	04 2016 18.1	5.31 0 080	0.22	50.2
Thursday, February	04, 2016, 18.7	20.31 0.000	5.18	50.2
Thursday, February	04, 2016, 18.2	25.32 0.990	10 14	49.9
Thursday, February	04, 2016, 18.2	30.320.990	15 10	50.6
Thursday, February	04, 2016, 18.3	35·33 0 990	20.06	49.6
Thursday, February	04, 2016 18:4	0:33 0.990	25.01	50.2
Thursday, February	04. 2016 18:4	5:34 0.990	29.98	50.4
Thursday, February	04. 2016 18:5	50:35 0.990	34.95	50.6
Thursday, February	04. 2016 18:5	5:35 0.990	39.90	49.7
Thursday, February	04. 2016 19:0	0:36 0.990	44.87	50.4
Thursday, February	04, 2016 19:0)5:36 0.990	49.82	50.3
Thursday, February	04, 2016 19:1	0:37 0.990	54.78	49.9
Thursday, February	04, 2016 19:1	5:37 0.990	59.74	50.4
Thursday, February	04, 2016 19:2	20:38 0.990	64.70	49.6
Thursday, February	04, 2016 19:2	25:38 0.990	69.65	49.5
Thursday, February	04, 2016 19:3	30:39 0.990	74.62	50.1
Thursday, February	04, 2016 19:3	35:39 0.990	79.57	49.7
Thursday, February	04, 2016 19:4	0:40 0.990	84.54	50.5
Thursday, February	04, 2016 19:4	5:40 0.990	89.49	50.2
Thursday, February	04, 2016 19:5	50:41 0.990	94.46	50.1
Thursday, February	04, 2016 19:5	55:42 0.990	99.43	49.3
Thursday, February	04, 2016 20:0	0:42 0.990	104.38	50.4
Thursday, February	04, 2016 20:0)5:43 0.990	109.35	50.1
Thursday, February	04, 2016 20:1	0:43 0.990	114.30	49.4
Thursday, February	04, 2016 20:1	5:44 0.990	119.26	50.3
Thursday, February	04, 2016 20:2	20:44 0.990	124.22	50.4
Thursday, February	04, 2016 20:2	25:45 0.990	129.18	50.3
Thursday, February	04, 2016 20:3	80:45 0.990	134.13	50.4
Thursday, February	04, 2016 20:3	35:46 0.990	139.10	50.3
Thursday, February	04, 2016 20:4	0:46 0.990	144.05	50.0
Thursday, February	04, 2016 20:4	5:47 0.990	149.02	50.9
Thursday, February	04, 2016 20:5	50:47 0.990	153.97	50.3
Thursday, February	04, 2016 20:5	55:48 0.990	158.94	50.4

Thursday, February 04, 2016 21:00:48 0.99	0 163.	89 50.5
Thursday, February 04, 2016 21:05:49 0.99	0 168.	86 50.3
Thursday, February 04, 2016 21:10:50 0.99	0 173.	81 50.9
Thursday, February 04, 2016 21:15:50 0.99	0 178.	78 50.7
Thursday, February 04, 2016 21:20:51 0.99	0 183.	75 49.8
Thursday, February 04, 2016 21:25:51 0.99	0 188.	70 50.7
Thursday, February 04, 2016 21:30:52 0.99	0 193.	66 50.6
Thursday, February 04, 2016 21:35:52 0.99	0 198.	62 50.7
Thursday, February 04, 2016 21:40:53 0.99	0 203.:	58 50.8
Thursday, February 04, 2016 21:45:53 0.99	0 208.:	53 50.4
Thursday, February 04, 2016 21:50:54 0.99	0 213.:	50 50.0
Thursday, February 04, 2016 21:55:54 0.99	0 218.4	45 49.9
Thursday, February 04, 2016 22:00:55 0.99	0 223.4	42 50.2
Thursday, February 04, 2016 22:05:55 0.99	0 228.	37 50.5
Thursday, February 04, 2016 22:10:56 0.99	0 233.	34 50.4
Thursday, February 04, 2016 22:15:57 0 99	0 238	31 49.9
Thursday, February 04, 2016 22:20:57 0 99	0 243	26 50.4
Thursday, February 04, 2016 22:20:57 0.59 Thursday, February 04, 2016 22:25:58 0.99	0 248'	23 49 9
Thursday, February 04, 2016 22:20:50 0.99	0 210	18 50 1
Thursday, February 04, 2016 22:30:50 0.99	$\begin{array}{c} 0 & 255. \\ 0 & 258 \end{array}$	15 49 9
Thursday, February 04, 2010 22:55:59 0.99 Thursday, February 04, 2016 22:40:59 0.99	0 250. 0 263	10 50 7
Thursday, February $04, 2016, 22.46.00, 0.99$	0 203.	16 <u>79</u> 9
Thursday, February 04, $2016\ 22.40.00\ 0.99$	0 200.	100 + 7.7 102 + 50.7
Thursday, February 04, 2016 22:51:00 0.99	0 273.	02 J0.7 08 507
Thursday, February 04, 2010 22:30:01 0.99	0 277.	03 50.7
Thursday, February 04, 2010 23:01:01 0.99	0 282.	00 /00
Thursday, February 04, 2010 23:00.02 0.39	0 207.	90 4 9.9 85 50.3
Thursday, February 04, 2010 23:11:02 0.39	0 292.0 0 207	87 100
Thursday, February 04, 2010 23:10:03 0.99 Thursday, February 04, 2016 23:21:03 0.00	0 297.0 0 302'	02 49.9 77 50.4
Thursday, February 04, 2010 $23.21.030.99$	0 302.	77 50.4
Thursday, February 04, 2010 23:20:04 0.99 Thursday, February 04, 2016 23:21:04 0.00	0 307. 0 312.	74 JU.U
Thursday, February 04, 2016 23:31:04 0.39	0 312.0 0 317.0	66 50.5
Thursday, February 04, 2010 $23.30.05 0.39$	0 317.0	63 50.J
Thursday, February 04, 2010 23:41:00 0.39	0 322.0 0 327.0	58 50.4
Thursday, February 04, 2016 23:40:00 0.99	$0 321 \\ 0 322 \\ 0 322 \\ 0 322 \\ 0 322 \\ 0 322 \\ 0 0 0 0 0 0 0 0 0 0$	54 50.1
Thursday, February 04, 2010 23.31.07 0.99	0 332 0 327	50 50 2
Endow Echanomy 05, 2016 0:01:08 0,000	U 337 242.46	50 4
$ \begin{array}{c} \text{Fillday, February 05, 2010 0.01.08 0.990} \\ \text{Evidey, February 05, 2016 0.06.08 0.000} \\ \end{array} $	247.40	50.4
Friday, February 05, 2016 0.00.08 0.990	252 20	50.5
Friday, February 05, 2016 0.11.09 0.990	257 22	50.0
Friday, February 05, 2016 0.10.09 0.990	262 20	50.2 50.6
Friday, February 05, 2016 0.21.10 0.990	267.25	50.0
Friday, February 05, 2016 0:20:10 0.990	272.22	50.0
$E_{\rm rel}$ and $E_{\rm rel}$	312.22 277 17	50.8
Friday, February 05, 2016 0.30.11 0.990	202 1 <i>1</i>	50.8 50.5
Friday, February 05, 2016 0:41:12 0.990	207.00	50.5 50.2
Friday, February 05, 2016 0:40:12 0.990	202.06	50.2
Friday, February 05, 2016 0:51:13 0.990	392.00 207.01	50.4 50.0
Friday, February 05, 2016 0:56:13 0.990	397.01	50.0
Friday, February 05, 2016 1:01:14 0.990	401.98	50.2
Filday, February 05, 2016 1:00:14 0.990 Eriday, February 05, 2016 1:11:15 0.000	400.93	50.2
Friday, February 05, 2016 1:11:15 0.990	411.89	JU.ð 50 6
Filday, February 05, 2016 1:10:10 0.990 Eriday, Echmony 05, 2016 1:21:16 0.000	410.80	50.0
Filday, February 05, 2016 1:21:10 0.990	421.81	50.2 50.6
rnuay, February 05, 2016 1:26:17 0.990	420.78	50.6

Friday, February 05, 2016 1:31:17 0.990	431.73	50.1
Friday, February 05, 2016 1:36:18 0.990	436.70	49.8
Friday, February 05, 2016 1:41:18 0.990	441.65	50.7
Friday, February 05, 2016 1:46:19 0.990	446.62	49.8
Friday, February 05, 2016 1:51:19 0.990	451.57	50.5
Friday, February 05, 2016 1:56:20 0.990	456.54	50.7
Friday, February 05, 2016 2:01:20 0.990	461.49	50.6
Friday, February 05, 2016 2:06:21 0.990	466.45	50.2
Friday, February 05, 2016 2:11:21 0.990	471.41	50.1
Friday, February 05, 2016 2:16:22 0.990	476.37	50.1
Friday, February 05, 2016 2:21:22 0.990	481.32	50.5
Friday, February 05, 2016 2:26:23 0.990	486.29	49.0
Friday, February 05, 2016 2:31:23 0.990	491.24	50.4
Friday, February 05, 2016 2:36:24 0.990	496.21	50.3
Friday, February 05, 2016 2:41:24 0.990	501.16	50.4
Friday, February 05, 2016 2:46:25 0.990	506.13	50.3
Friday, February 05, 2016 2:51:25 0.990	511.08	49.7
Friday, February 05, 2016 2:56:26 0.990	516.05	50.4
Friday, February 05, 2016 3:01:26 0.990	521.00	49.6
Friday, February 05, 2016 3:06:27 0.990	525.97	49.8
Friday, February 05, 2016 3:11:27 0.990	530.92	50.0
Friday, February 05, 2016 3:16:28 0.990	535.89	50.8
Friday, February 05, 2016 3:21:28 0.990	540.84	50.4
Friday, February 05, 2016 3:26:29 0.990	545.81	50.4
Friday, February 05, 2016 3:31:30 0.990	550.78	50.4
Friday, February 05, 2016 3:36:30 0.990	555.73	50.6
Friday, February 05, 2016 3:41:31 0.990	560.70	50.5
Friday, February 05, 2016 3:46:31 0.990	565.65	50.5
Friday, February 05, 2016 3:51:32 0.990	570.62	50.3
Friday, February 05, 2016 3:56:32 0.990	575.57	50.0
Friday, February 05, 2016 4:01:33 0.990	580.54	50.1
Friday, February 05, 2016 4:06:33 0.990	585.49	50.1
Friday, February 05, 2016 4:11:34 0.990	590.46	49.6
Friday, February 05, 2016 4:16:34 0.990	595.41	50.4
Friday, February 05, 2016 4:21:35 0.990	600.38	50.5
Friday, February 05, 2016 4:26:35 0.990	605.33	50.5
Friday, February 05, 2016 4:31:36 0.990	610.30	50.5
Friday, February 05, 2016 4:36:36 0.990	615.25	49.8
Friday, February 05, 2016 4:41:37 0.990	620.22	49.7
Friday, February 05, 2016 4:46:37 0.990	625.17	49.4
Friday, February 05, 2016 4:51:38 0.990	630.14	50.2
Friday, February 05, 2016 4:56:38 0.990	635.09	50.5
Friday, February 05, 2016 5:01:39 0.990	640.06	50.1
Friday, February 05, 2016 5:06:39 0.990	645.01	50.6
Friday, February 05, 2016 5:11:40 0.990	649.98	50.1
Friday, February 05, 2016 5:16:40 0.990	654.93	50.0
Friday, February 05, 2016 5:21:41 0.990	659.90	50.1
Friday, February 05, 2016 5:26:41 0.990	664.85	50.7
Friday, February 05, 2016 5:31:42 0.990	669.82	50.4
Friday, February 05, 2016 5:36:42 0.990	674.77	50.5
Friday, February 05, 2016 5:41:43 0.990	679.74	50.4
Friday, February 05, 2016 5:46:43 0.990	684.69	50.1
Friday, February 05, 2016 5:51:44 0.990	689.66	50.5
Friday, February 05, 2016 5:56:44 0.990	694.61	50.4

Friday, February 05, 2016 6:01:45 0.990	699.58	50.6
Friday, February 05, 2016 6:06:45 0.990	704.53	50.1
Friday, February 05, 2016 6:11:46 0.990	709.50	50.0
Friday, February 05, 2016 6:15:04 0.990	712.76	50.5

formaldehyde001 Ch. 1 Cartridge Started Wednesday, February 10, 2016 6:00:02 Flow Rate Set Point 1.00 l/min Stopped Wednesday, February 10, 2016 18:00:26 Total Volume 713.26 liters Total Sample Time 12.00 hours Average Flow Rate 0.000 l/min Minimum Flow Rate 0.000 l/min Maximum Flow Rate 0.000 l/min Pre Start Leak Rate 0.100 l/min Ending Leak Rate 0.078 l/min Flow Controller Zero -0.004 l/min Error Code 258 Error Status Leak Check Flow Limit Exceeded Post Leak Check Flow Limit Exceeded

Volume

Temp

Flow Rate

agms5

Time

Wednesday, February 10, 2016 6:00:29 0.172	0.23	50.0
Wednesday, February 10, 2016 6:05:29 0.991	5.18	50.5
Wednesday, February 10, 2016 6:10:30 0.991	10.15	49.9
Wednesday, February 10, 2016 6:15:30 0.991	15.10	50.4
Wednesday, February 10, 2016 6:20:31 0.991	20.07	50.4
Wednesday, February 10, 2016 6:25:31 0.991	25.03	50.1
Wednesday, February 10, 2016 6:30:32 0.991	30.00	50.5
Wednesday, February 10, 2016 6:35:32 0.991	34.95	50.6
Wednesday, February 10, 2016 6:40:33 0.991	39.92	50.5
Wednesday, February 10, 2016 6:45:33 0.991	44.88	50.4
Wednesday, February 10, 2016 6:50:34 0.991	49.85	50.4
Wednesday, February 10, 2016 6:55:34 0.991	54.80	50.4
Wednesday, February 10, 2016 7:00:35 0.991	59.77	50.4
Wednesday, February 10, 2016 7:05:35 0.991	64.72	50.5
Wednesday, February 10, 2016 7:10:36 0.991	69.69	49.7
Wednesday, February 10, 2016 7:15:36 0.991	74.65	50.3
Wednesday, February 10, 2016 7:20:37 0.991	79.62	50.6
Wednesday, February 10, 2016 7:25:37 0.991	84.57	50.2
Wednesday, February 10, 2016 7:30:38 0.991	89.54	50.7
Wednesday, February 10, 2016 7:35:38 0.991	94.50	50.4
Wednesday, February 10, 2016 7:40:39 0.991	99.47	50.5
Wednesday, February 10, 2016 7:45:40 0.991	104.44	49.9
Wednesday, February 10, 2016 7:50:40 0.991	109.39	50.4
Wednesday, February 10, 2016 7:55:41 0.991	114.36	50.6
Wednesday, February 10, 2016 8:00:41 0.991	119.32	50.6
Wednesday, February 10, 2016 8:05:42 0.991	124.29	50.5
Wednesday, February 10, 2016 8:10:42 0.991	129.24	50.4
Wednesday, February 10, 2016 8:15:43 0.991	134.21	50.5
Wednesday, February 10, 2016 8:20:43 0.991	139.17	50.4
Wednesday, February 10, 2016 8:25:44 0.991	144.14	50.3
Wednesday, February 10, 2016 8:30:44 0.991	149.09	50.4
Wednesday, February 10, 2016 8:35:45 0.991	154.06	50.7

Wednesday, February 10, 2016 8:40:45 0.991	159.01	50.9
Wednesday, February 10, 2016 8:45:46 0.991	163.99	49.5
Wednesday, February 10, 2016 8:50:46 0.991	168.94	49.8
Wednesday, February 10, 2016 8:55:47 0.991	173.91	50.7
Wednesday, February 10, 2016 9:00:47 0.991	178.86	50.6
Wednesday, February 10, 2016 9:05:48 0.991	183.83	50.8
Wednesday, February 10, 2016 9:10:48 0.991	188.79	50.3
Wednesday, February 10, 2016 9:15:49 0.991	193.76	50.4
Wednesday, February 10, 2016 9:20:50 0.991	198.73	50.1
Wednesday, February 10, 2016 9:25:50 0.991	203.68	49.9
Wednesday, February 10, 2016 9:30:51 0.991	208.66	50.5
Wednesday, February 10, 2016 9:35:51 0.991	213.61	50.8
Wednesday, February 10, 2016 9:40:52 0.991	218.58	50.4
Wednesday, February 10, 2016 9:45:52 0.991	223.53	50.1
Wednesday, February 10, 2016 9:50:53 0.991	228.50	50.1
Wednesday, February 10, 2016 9:55:53 0.991	233.46	50.4
Wednesday, February 10, 2016 10:00:54 0.991	238.43	50.8
Wednesday, February 10, 2016 10:05:54 0.991	243.38	50.4
Wednesday, February 10, 2016 10:10:55 0.991	248.35	50.5
Wednesday, February 10, 2016 10:15:55 0.991	253.31	50.2
Wednesday, February 10, 2016 10:20:56 0.991	258.28	50.5
Wednesday, February 10, 2016 10:25:56 0.991	263.23	50.4
Wednesday, February 10, 2016 10:20:00 991	268.20	50.6
Wednesday, February 10, 2016 10:35:57 0 991	273.16	49.8
Wednesday, February 10, 2016 10:40:58 0 991	278.13	50.1
Wednesday, February 10, 2016 10:45:59 0 991	283.10	50.1
Wednesday, February 10, 2016 10:50:59 0.991	288.05	50.3
Wednesday, February 10, 2016 10:56:00 0 991	200.05	50.5
Wednesday, February 10, 2016 10:00:00 0.991	297.98	49.8
Wednesday, February 10, 2016 11:01:00 0.991	302.95	-
Wednesday, February 10, 2016 11:00.01 0.991	307.90	49.6
Wednesday, February 10, 2016 11:11:01 0:991	312.87	50.0
Wednesday, February 10, 2016 11:10:02 0.991	317.83	50.0
Wednesday, February 10, 2016 11:21:02 0.991	322.80	50.1
Wednesday, February 10, 2016 $11:20.05 0.991$	322.00	50. 4
Wednesday, February 10, 2016 $11.31.04 0.001$	327.77	50.0
Wednesday, February 10, 2016 $11.30.04$ 0.991	337.60	J0.2 10.8
Wednesday, February 10, 2016 11:41:05 0.991	342.65	49.8 50.7
Wednesday, February 10, 2016 11:40.05 0.991	342.03	50.7
Wednesday, February 10, 2016 11:51:00 0.991	347.02	50.4
Wednesday, February 10, 2016 11:50:00 0.991	352.57	50.4
Wednesday, February 10, 2016 12:01:07 0.991	362 50	20.3 40.0
Wednesday, February 10, 2016 12:00.07 0.991	267 47	49.9
Wednesday, February 10, 2016 12:11:08 0.991	272.42	49.9
Wednesday, February 10, 2016 12:10:08 0.991	372.42	50.5
Wednesday, February 10, 2016 12:21:09 0.991	202 25	50.9
Wednesday, February 10, 2016 12:20:09 0.991	202.33 207.20	50.1
Wednesday, February 10, 2016 12:51:10 0.991	202.20	50.1
Wednesday, February 10, 2016 12:30:11 0.991	392.29 207.24	50.8
Wednesday, February 10, 2016 12:41:11 0.991	397.24	50.1
Wednesday, February 10, 2016 12:40:12 0.991	402.21	JU.J 50.9
Wednesday, February 10, 2016 12:51:12 0.991	407.17	JU.8
Wednesday, February 10, 2016 12:30:13 0.991	412.14	50.U
Wednesday, February 10, 2016 13:01:13 0.991	417.09	50.4
wednesday, February 10, 2016 13:06:14 0.991	422.06	50.4

Wednesday, February 10,	2016	13:11:14	0.991	427.02	50.5
Wednesday, February 10,	2016	13:16:15	0.991	431.99	50.0
Wednesday, February 10,	2016	13:21:15	0.991	436.94	50.1
Wednesday, February 10,	2016	13:26:16	0.991	441.91	50.3
Wednesday, February 10,	2016	13:31:16	0.991	446.87	50.4
Wednesday, February 10,	2016	13:36:17	0.991	451.84	50.6
Wednesday, February 10,	2016	13:41:18	0.991	456.81	50.8
Wednesday, February 10,	2016	13:46:18	0.991	461.76	50.0
Wednesday, February 10,	2016	13:51:19	0.991	466.73	50.3
Wednesday, February 10,	2016	13:56:19	0.991	471.69	50.3
Wednesday, February 10,	2016	14:01:20	0.991	476.66	50.0
Wednesday, February 10,	2016	14:06:20	0.991	481.61	50.5
Wednesday, February 10,	2016	14:11:21	0.991	486.59	50.5
Wednesday, February 10,	2016	14:16:21	0.991	491.54	49.8
Wednesday, February 10,	2016	14:21:22	0.991	496.51	50.5
Wednesday, February 10,	2016	14:26:22	0.991	501.46	49.4
Wednesday, February 10,	2016	14:31:23	0.991	506.44	50.3
Wednesday, February 10,	2016	14:36:24	0.991	511.41	50.7
Wednesday, February 10,	2016	14:41:24	0.991	516.36	49.8
Wednesday, February 10,	2016	14:46:25	0.991	521.33	50.4
Wednesday, February 10,	2016	14:51:25	0.991	526.29	50.0
Wednesday, February 10,	2016	14:56:26	0.991	531.26	49.8
Wednesday, February 10,	2016	15:01:26	0.991	536.21	50.0
Wednesday, February 10,	2016	15:06:27	0.991	541.18	50.1
Wednesday, February 10,	2016	15:11:27	0.991	546.14	49.4
Wednesday, February 10,	2016	15:16:28	0.991	551.11	50.5
Wednesday, February 10,	2016	15:21:29	0.991	556.08	50.4
Wednesday, February 10,	2016	15:26:29	0.991	561.04	50.1
Wednesday, February 10,	2016	15:31:30	0.991	566.01	50.6
Wednesday, February 10,	2016	15:36:30	0.991	570.96	50.4
Wednesday, February 10,	2016	15:41:31	0.991	575.93	50.4
Wednesday, February 10,	2016	15:46:31	0.991	580.89	50.0
Wednesday, February 10,	2016	15:51:32	0.991	585.86	50.4
Wednesday, February 10,	2016	15:56:32	0.991	590.81	49.8
Wednesday, February 10,	2016	16:01:33	0.991	595.79	50.2
Wednesday, February 10,	2016	16:06:34	0.991	600.76	50.5
Wednesday, February 10,	2016	16:11:34	0.991	605.71	50.9
Wednesday, February 10,	2016	16:16:35	0.991	610.68	50.8
Wednesday, February 10,	2016	16:21:35	0.991	615.64	51.0
Wednesday, February 10,	2016	16:26:36	0.991	620.61	50.2
Wednesday, February 10,	2016	16:31:36	0.991	625.56	50.5
Wednesday, February 10,	2016	16:36:37	0.991	630.53	50.2
Wednesday, February 10,	2016	16:41:37	0.991	635.49	50.9
Wednesday, February 10,	2016	16:46:38	0.991	640.46	50.9
Wednesday, February 10,	2016	16:51:38	0.991	645.41	50.8
Wednesday, February 10,	2016	16:56:39	0.991	650.38	50.5
Wednesday, February 10,	2016	17:01:40	0.991	655.35	50.4
Wednesday, February 10,	2016	17:06:40	0.991	660.31	50.7
Wednesday, February 10,	2016	17:11:41	0.991	665.28	49.6
Wednesday, February 10,	2016	17:16:41	0.991	670.23	50.3
Wednesday, February 10,	2016	17:21:42	0.991	675.20	50.3
Wednesday, February 10,	2016	17:26:42	0.991	680.16	50.4
Wednesday, February 10,	2016	17:31:43	0.991	685.13	50.3
Wednesday, February 10,	2016	17:36:43	0.991	690.08	50.8

Wednesday, February 10, 2016 17:41:44 0.991	695.05	49.6
Wednesday, February 10, 2016 17:46:44 0.991	700.01	50.9
Wednesday, February 10, 2016 17:51:45 0.991	704.98	50.0
Wednesday, February 10, 2016 17:56:46 0.991	709.95	50.4
Wednesday, February 10, 2016 18:00:04 0.991	713.22	50.6

aqms5 formaldehyde002 Ch. 2 Cartridge Started Wednesday, February 10, 2016 18:15:01 Flow Rate Set Point 1.00 l/min Stopped Thursday, February 11, 2016 6:15:22 Total Volume 712.79 liters Total Sample Time 12.00 hours Average Flow Rate 0.000 l/min Minimum Flow Rate 0.000 l/min Maximum Flow Rate 400.000 l/min Pre Start Leak Rate 0.021 l/min Ending Leak Rate 0.012 l/min Flow Controller Zero -0.005 l/min Error Code 2 Error Status Leak Check Flow Limit Exceeded

Flow Rate

Time

Temp

Volume

Wednesday, February 10, 2016 18:15:28 0.097	0.22	50.4
Wednesday, February 10, 2016 18:20:29 0.990	5.19	49.5
Wednesday, February 10, 2016 18:25:29 0.990	10.14	50.4
Wednesday, February 10, 2016 18:30:30 0.990	15.11	50.1
Wednesday, February 10, 2016 18:35:30 0.990	20.06	50.8
Wednesday, February 10, 2016 18:40:31 0.990	25.03	50.4
Wednesday, February 10, 2016 18:45:31 0.990	29.98	50.1
Wednesday, February 10, 2016 18:50:32 0.990	34.95	50.3
Wednesday, February 10, 2016 18:55:32 0.990	39.90	50.1
Wednesday, February 10, 2016 19:00:33 0.990	44.87	50.4
Wednesday, February 10, 2016 19:05:33 0.990	49.82	50.2
Wednesday, February 10, 2016 19:10:34 0.990	54.79	50.4
Wednesday, February 10, 2016 19:15:35 0.990	59.76	50.1
Wednesday, February 10, 2016 19:20:35 0.990	64.71	49.8
Wednesday, February 10, 2016 19:25:36 0.990	69.67	49.7
Wednesday, February 10, 2016 19:30:36 0.990	74.63	49.4
Wednesday, February 10, 2016 19:35:37 0.990	79.59	50.4
Wednesday, February 10, 2016 19:40:37 0.990	84.55	50.0
Wednesday, February 10, 2016 19:45:38 0.990	89.51	50.5
Wednesday, February 10, 2016 19:50:38 0.990	94.46	50.1
Wednesday, February 10, 2016 19:55:39 0.990	99.43	49.5
Wednesday, February 10, 2016 20:00:40 0.990	104.40	50.7
Wednesday, February 10, 2016 20:05:40 0.990	109.35	50.9
Wednesday, February 10, 2016 20:10:41 0.990	114.32	50.0
Wednesday, February 10, 2016 20:15:41 0.990	119.27	50.5
Wednesday, February 10, 2016 20:20:42 0.990	124.24	50.4
Wednesday, February 10, 2016 20:25:42 0.990	129.19	50.4
Wednesday, February 10, 2016 20:30:43 0.990	134.16	50.0
Wednesday, February 10, 2016 20:35:44 0.990	139.13	50.6
Wednesday, February 10, 2016 20:40:44 0.990	144.08	50.5
Wednesday, February 10, 2016 20:45:45 0.990	149.05	50.1
Wednesday, February 10, 2016 20:50:45 0.990	154.00	49.6
Wednesday, February 10, 2016 20:55:46 0.990	158.96	50.7

Wednesday, February 10, 2016 21:00:46 0.990	163.92	50.0
Wednesday, February 10, 2016 21:05:47 0.990	168.88	50.8
Wednesday, February 10, 2016 21:10:48 0.990) 173.85	50.6
Wednesday, February 10, 2016 21:15:48 0.990	0 178.80	49.7
Wednesday, February 10, 2016 21:20:49 0.990	183.77	50.6
Wednesday, February 10, 2016 21:25:49 0.990) 188.72	50.4
Wednesday, February 10, 2016 21:30:50 0.990) 193.69	50.2
Wednesday, February 10, 2016 21:35:50 0.990) 198.64	50.8
Wednesday, February 10, 2016 21:40:51 0.990	203.61	50.5
Wednesday, February 10, 2016 21:45:52 0.990	208.58	50.8
Wednesday, February 10, 2016 21:50:52 0.990) 213.53	50.6
Wednesday, February 10, 2016 21:55:53 0.990	218.50	49.7
Wednesday, February 10, 2016 22:00:53 0.990) 223.45	50.5
Wednesday, February 10, 2016 22:05:54 0.990	228.42	50.1
Wednesday, February 10, 2016 22:10:54 0 990	233.37	50.1
Wednesday, February 10, 2016 22:15:55 0 990	238.34	50.5
Wednesday, February 10, 2016 22:10:55 0.990	2230.31	49 7
Wednesday, February 10, 2016 22:25:56 0.990	248.30	49.7
Wednesday, February 10, 2016 22:20:50 0.990	253.20	50.2
Wednesday, February 10, 2016 22:30:57 0.990	253.22	50.2
Wednesday, February 10, 2016 22:39:57 0.990	250.17	50.1 50.4
Wednesday, February 10, 2016 22:45:58 0.990	268.09	50.4
Wednesday, February 10, 2016 22:45.56 0.990	200.07	50.1
Wednesday, February 10, 2016 22:50:57 0.990	273.00	50.0
Wednesday, February 10, 2016 22:05:07 0.990	270.01	50.9
Wednesday, February 10, 2016 23:06:01 0 990	287.95	50.8
Wednesday, February 10, 2016 23:00:01 0.990	207.95	50.5
Wednesday, February 10, 2016 23:11:01 0.990	292.90	50.5
Wednesday, February 10, $2016 23.10.02 0.990$	297.87	50.5
Wednesday, February 10, 2016 23:21:02 0.990	302.82	50.5
Wednesday, February 10, $2016 23.20.03 0.990$	307.79	30.2 40.7
Wednesday, February 10, $2010\ 23.31.04\ 0.990$	312.73	4 9.7
Wednesday, February 10, $2016 23.30.04 0.990$	317.71	50.0
Wednesday, February 10, $2016 23.41.05 0.990$	322.07	50.1
Wednesday, February 10, 2016 23:40:05 0.990	327.03	50.2
Wednesday, February 10, 2016 23:51:00 0.990	332.39	50.1
Thursday, February 11, 2016 $0.01.07 + 0.000$	3 337.33 342 51 5	0.5
Thursday, February 11, 2016 0.01.07 0.990	342.31 3	0.5
Thursday, February 11, 2016 0.00.08 0.990	347.40 J 252.42 5	0.4
Thursday, February 11, 2016 0.11.08 0.990	352.45 5	0.4
Thursday, February 11, 2016 0.10.09 0.990	337.40 J	0.0
Thursday, February 11, 2016 0.21.09 0.990	302.33 3	0.1
Thursday, February 11, 2016 0.20.10 0.990	307.32 3	0.0
Thursday, February 11, 2016 0.31.10 0.990	312.21 3	0.7
Thursday, February 11, 2010 $0.30.11 \ 0.990$	377.24 3	0.5
Thursday, February 11, 2016 0.46:12 0.000	302.19 4	9.7
Thursday, February 11, 2016 0:40:12 0.990	307.10 J 202.12 5	0.0
Thursday, February 11, 2016 0.51:15 0.990	392.13 3	0.0
Thursday, February 11, 2016 0:50:13 0.990	397.08 5	0.1
Thursday, February 11, 2016 1:01:14 0.990	402.05 5	0.4
Thursday, February 11, 2016 1:100:14 0.990	407.00 3	0.8
Thursday, February 11, 2016 1:11:15 0.990	411.90 3	0.5
Thursday, February 11, 2016 1:10:15 0.990	410.92 J	0.0
Thursday, February 11, 2016 1:21:16 0.990	421.88 5	0.5
Inursday, February 11, 2016 1:26:16 0.990	420.85 5	U./

Thursday, February 11, 2016 1:31:17 0.990	431.80	50.4
Thursday, February 11, 2016 1:36:17 0.990	436.75	50.8
Thursday, February 11, 2016 1:41:18 0.990	441.72	50.9
Thursday, February 11, 2016 1:46:18 0.990	446.67	50.2
Thursday, February 11, 2016 1:51:19 0.990	451.64	50.8
Thursday, February 11, 2016 1:56:20 0.990	456.61	51.0
Thursday, February 11, 2016 2:01:20 0.990	461.56	49.8
Thursday, February 11, 2016 2:06:21 0.990	466.53	50.2
Thursday, February 11, 2016 2:11:21 0.990	471.48	50.4
Thursday, February 11, 2016 2:16:22 0.990	476.45	50.4
Thursday, February 11, 2016 2:21:22 0.990	481.40	50.2
Thursday, February 11, 2016 2:26:23 0.990	486.37	50.5
Thursday, February 11, 2016 2:31:23 0.990	491.32	50.9
Thursday, February 11, 2016 2:36:24 0.990	496.29	49.8
Thursday, February 11, 2016 2:41:25 0.990	501.25	50.4
Thursday, February 11, 2016 2:46:25 0.990	506.21	50.8
Thursday, February 11, 2016 2:51:26 0.990	511.17	50.9
Thursday, February 11, 2016 2:56:26 0.990	516.12	50.5
Thursday, February 11, 2016 3:01:27 0.990	521.09	50.4
Thursday, February 11, 2016 3:06:27 0 990	526.04	50.3
Thursday, February 11, 2016 3:11:28 0 990	531.01	50.1
Thursday, February 11, 2016 3:16:28 0 990	535.96	50.8
Thursday, February 11, 2016 3:10:20 0.990	540.93	50.0
Thursday, February 11, 2016 3:26:29 0.990	545 89	50.8
Thursday, February 11, 2016 3:20:29 0:990	550.85	50.8
Thursday, February 11, 2016 3:36:30 0.990	555.81	50.5
Thursday, February 11, 2016 3:50:50 0.590 Thursday, February 11, 2016 3:41:31,0,990	560 77	50.5
Thursday, February 11, 2016 3:46:32 0 990	565 74	50.7
Thursday, February 11, 2016 3:51:32 0.990	570.69	50.5
Thursday, February 11, 2016 3:56:32 0.990	575.66	<i>J</i> 0.1 <i>I</i> 0.6
Thursday, February 11, 2016 $4.01.330.990$	580.61	4 9.0 50.4
Thursday, February 11, 2016 $4.06:340.990$	585 58	50.4
Thursday, February 11, 2016 $4.00.540.990$	590 53	50.9
Thursday, February 11, 2016 $4.16.350000$	595 50	50.0
Thursday, February 11, 2016 $4.21.35 0.990$	600 45	50.5
Thursday, February 11, 2016 $4.21.35 0.390$	605.42	50.4
Thursday, February 11, 2016 $4.20.500.590$	610.37	50.5
Thursday, February 11, 2016 4:31:30 0.990	615.37	50.2
Thursday, February 11, 2016 4:30.57 0.990	620.20	50.0
Thursday, February 11, 2016 $4.41.570.590$	625.26	JO.2 /0.8
Thursday, February 11, 2016 4:51:38 0.090	620.22	49.0 51.0
Thursday, February 11, 2016 4:56:20,0,000	625 19	J1.0 40.5
Thursday, February 11, 2016 5:01:20 0.000	640 14	49.5
Thursday, February 11, 2016 5:06:40,0,000	040.14 645.10	50.5
Thursday, February 11, 2016 5.11.40,0,000	043.10 650.06	50.6
Thursday, February 11, 2016 5:16:41 0 000	030.00	50.0
Thursday, February 11, 2016 5:16:41 0.990	055.02 650.08	50.5 40.6
Thursday, February 11, 2016 5:26:42,0,000	039.98	49.0
Thursday, February 11, 2016 5:20:42 0.990	004.94	50.9
Thursday, February 11, 2016 5:31:43 0.990	009.91	50.1
Thursday, February 11, 2016 5:36:43 0.990	0/4.80	50.4
Thursday, February 11, 2016 5:41:44 0.990	0/9.83	50.7
Thursday, February 11, 2016 5:46:44 0.990	084./8	50.2
Thursday, February 11, 2016 5:51:45 0.990	689.75	50.3
Inursday, February 11, 2016 5:56:45 0.990	694./0	50.1

Thursday, February 11, 2016 6:01:46 0.990	699.67	50.0
Thursday, February 11, 2016 6:06:46 0.990	704.63	50.7
Thursday, February 11, 2016 6:11:47 0.990	709.59	50.1
Thursday, February 11, 2016 6:15:00 0.990	712.78	49.9

formaldehyde001 Ch. 1 Cartridge Started Monday, February 22, 2016 6:00:03 Flow Rate Set Point 1.00 l/min Stopped Monday, February 22, 2016 18:00:22 Total Volume 713.31 liters Total Sample Time 12.00 hours Average Flow Rate 0.000 l/min Minimum Flow Rate 0.000 l/min Maximum Flow Rate 0.000 l/min Pre Start Leak Rate 0.445 l/min Ending Leak Rate 0.445 l/min Flow Controller Zero -0.004 l/min Error Code 258 Error Status Leak Check Flow Limit Exceeded Post Leak Check Flow Limit Exceeded

agms5

Time	Flow Rate	Volume	Temp	
Monday February 2	2,2016.6.00	.30 0 488	0.23	49 8
Monday, February 2	2,2010,0.00	·31 0 991	5 20	50.4
Monday, February 2	2,20166:10	:31 0.991	10.15	50.3
Monday, February 2	2. 2016 6:15	:32 0.991	15.12	49.7
Monday, February 2	2,20166:20	:32 0.991	20.08	49.7
Monday, February 2	2, 2016 6:25	:33 0.991	25.05	50.0
Monday, February 2	2, 2016 6:30	:33 0.991	30.00	49.7
Monday, February 2	2, 2016 6:35	:34 0.991	34.97	50.0
Monday, February 2	2, 2016 6:40	:34 0.991	39.92	50.5
Monday, February 2	2, 2016 6:45	:35 0.991	44.89	49.6
Monday, February 2	2, 2016 6:50	:36 0.991	49.86	50.5
Monday, February 2	2, 2016 6:55	:36 0.991	54.81	50.8
Monday, February 2	2, 2016 7:00	:37 0.991	59.78	49.6
Monday, February 2	2, 2016 7:05	:37 0.991	64.74	50.1
Monday, February 2	2, 2016 7:10	:38 0.991	69.71	50.9
Monday, February 2	2, 2016 7:15	:38 0.991	74.66	50.8
Monday, February 2	2, 2016 7:20	:39 0.991	79.63	50.6
Monday, February 2	2, 2016 7:25	:40 0.991	84.60	50.1
Monday, February 2	2, 2016 7:30	:40 0.991	89.56	50.4
Monday, February 2	2, 2016 7:35	:41 0.991	94.53	50.3
Monday, February 2	2, 2016 7:40	:41 0.991	99.48	50.4
Monday, February 2	2, 2016 7:45	:42 0.991	104.45	50.5
Monday, February 2	2, 2016 7:50	:42 0.991	109.41	50.4
Monday, February 2	2, 2016 7:55	:43 0.991	114.38	50.5
Monday, February 2	2, 2016 8:00	:43 0.991	119.33	50.9
Monday, February 2	2, 2016 8:05	:44 0.991	124.30	50.5
Monday, February 2	2, 2016 8:10	:44 0.991	129.25	50.7
Monday, February 2	2, 2016 8:15	:45 0.991	134.22	50.9
Monday, February 2	2, 2016 8:20	:46 0.991	139.19	50.0
Monday, February 2	2, 2016 8:25	:46 0.991	144.15	50.1
Monday, February 2	2, 2016 8:30	:47 0.991	149.12	50.9
Monday, February 2	2, 2016 8:35	:47 0.991	154.07	50.9

Monday, February 22, 2016 8:40:48 0.991	159.04	50.4
Monday, February 22, 2016 8:45:48 0.991	164.00	51.0
Monday, February 22, 2016 8:50:49 0.991	168.97	50.8
Monday, February 22, 2016 8:55:49 0.991	173.92	50.1
Monday, February 22, 2016 9:00:50 0.991	178.89	50.1
Monday, February 22, 2016 9:05:51 0.991	183.86	49.7
Monday, February 22, 2016 9:10:51 0.991	188.82	50.3
Monday, February 22, 2016 9:15:52 0.991	193.79	50.2
Monday, February 22, 2016 9:20:52 0.991	198.74	50.4
Monday, February 22, 2016 9:25:53 0.991	203.71	50.8
Monday, February 22, 2016 9:30:53 0.991	208.67	50.4
Monday, February 22, 2016 9:35:54 0.991	213.64	50.6
Monday, February 22, 2016 9:40:54 0.991	218.59	49.9
Monday, February 22, 2016 9:45:55 0.991	223.56	49.9
Monday, February 22, 2016 9:50:56 0.991	228.53	50.4
Monday, February 22, 2016 9:55:56 0.991	233.49	50.4
Monday, February 22, 2016 10:00:57 0.991	238.46	50.4
Monday, February 22, 2016 10:05:57 0.991	243.41	50.3
Monday, February 22, 2016 10:10:58 0.991	248.38	50.3
Monday, February 22, 2016 10:15:58 0.991	253.33	50.8
Monday, February 22, 2016 10:20:59 0.991	258.31	49.7
Monday, February 22, 2016 10:25:59 0.991	263.26	50.3
Monday, February 22, 2016 10:31:00 0.991	268.23	50.8
Monday, February 22, 2016 10:36:01 0.991	273.20	50.6
Monday, February 22, 2016 10:41:01 0.991	278.15	50.2
Monday, February 22, 2016 10:46:02 0.991	283.13	50.4
Monday, February 22, 2016 10:51:02 0.991	288.08	50.3
Monday, February 22, 2016 10:56:03 0.991	293.05	50.3
Monday, February 22, 2016 11:01:03 0.991	298.00	50.5
Monday, February 22, 2016 11:06:04 0.991	302.97	50.9
Monday, February 22, 2016 11:11:04 0.991	307.93	50.1
Monday, February 22, 2016 11:16:05 0.991	312.90	50.4
Monday, February 22, 2016 11:21:06 0.991	317.87	50.8
Monday, February 22, 2016 11:26:06 0.991	322.82	49.9
Monday, February 22, 2016 11:31:07 0.991	327.80	50.4
Monday, February 22, 2016 11:36:07 0.991	332.75	49.6
Monday, February 22, 2016 11:41:08 0.991	337.72	50.5
Monday, February 22, 2016 11:46:08 0.991	342.67	50.5
Monday, February 22, 2016 11:51:09 0.991	347.64	50.1
Monday, February 22, 2016 11:56:09 0.991	352.60	49.7
Monday, February 22, 2016 12:01:10 0.991	357.57	50.8
Monday, February 22, 2016 12:06:10 0.991	362.52	49.6
Monday, February 22, 2016 12:11:11 0.991	367.49	49.8
Monday, February 22, 2016 12:16:12 0.991	372.47	50.2
Monday, February 22, 2016 12:21:12 0.991	377.42	50.6
Monday, February 22, 2016 12:26:13 0.991	382.39	50.1
Monday, February 22, 2016 12:31:13 0.991	387.34	50.4
Monday, February 22, 2016 12:36:14 0.991	392.32	50.1
Monday, February 22, 2016 12:41:14 0.991	397.27	50.4
Monday, February 22, 2016 12:46:15 0.991	402.24	50.4
Monday, February 22, 2016 12:51:15 0.991	407.19	50.6
Monday, February 22, 2016 12:56:16 0.991	412.16	50.6
Monday, February 22, 2016 13:01:17 0.991	417.14	50.8
Monday, February 22, 2016 13:06:17 0.991	422.09	50.4

Monday, February 22, 2016 13:11:18 0.991	427.06	51.1
Monday, February 22, 2016 13:16:18 0.991	432.01	50.9
Monday, February 22, 2016 13:21:19 0.991	436.99	50.2
Monday, February 22, 2016 13:26:19 0.991	441.94	50.4
Monday, February 22, 2016 13:31:20 0.991	446.91	50.1
Monday, February 22, 2016 13:36:20 0.991	451.86	50.8
Monday, February 22, 2016 13:41:21 0.991	456.84	49.8
Monday, February 22, 2016 13:46:22 0.991	461.81	50.5
Monday, February 22, 2016 13:51:22 0.991	466.76	50.6
Monday, February 22, 2016 13:56:23 0.991	471.73	50.7
Monday, February 22, 2016 14:01:23 0.991	476.69	50.2
Monday, February 22, 2016 14:06:24 0.991	481.66	50.5
Monday, February 22, 2016 14:11:24 0.991	486.61	51.0
Monday, February 22, 2016 14:16:25 0.991	491.58	50.1
Monday, February 22, 2016 14:21:25 0.991	496.54	49.7
Monday, February 22, 2016 14:26:26 0.991	501.51	50.5
Monday, February 22, 2016 14:31:27 0.991	506.48	50.3
Monday, February 22, 2016 14:36:27 0.991	511.43	50.1
Monday, February 22, 2016 14:41:28 0.991	516.40	50.9
Monday, February 22, 2016 14:46:28 0.991	521.36	49.8
Monday, February 22, 2016 14:51:29 0 991	526.33	50.6
Monday, February 22, 2016 14:56:29 0 991	531.28	50.7
Monday, February 22, 2016 15:01:30 0 991	536.25	50.9
Monday, February 22, 2016 15:06:30 0.991	541.21	50.5
Monday, February 22, 2016 15:10:30 0.991	546.18	50.8
Monday, February 22, 2016 15:16:32 0.991	551 15	50.7
Monday, February 22, 2016 15:21:32 0.991	556 11	50.4
Monday, February 22, 2010 15:21:32 0.991	561.06	50.1
Monday, February 22, 2010 15:20:32 0.991	566.03	50.1
Monday, February 22, 2010 15:31:33 0.991	570.99	50.7
Monday, February 22, 2010 15:50:55 0.591 Monday, February 22, 2016 15:41:34 0.991	575.96	50.5
Monday, February 22, 2010 15: 11:51 0.991	580.93	50.5
Monday, February 22, 2010 15:40:55 0.591 Monday, February 22, 2016 15:51:35 0.991	585.88	50.0
Monday, February 22, 2010 15:51:35 0.991	590.85	50.5
Monday, February 22, 2010 15:50:50 0.991	595.81	50.0
Monday, February 22, 2010 10.01.30 0.991	600 78	51.0
Monday, February 22, 2010 10:00:37 0:001 Monday, February 22, 2016 16:11:37 0.001	605.78	50.0
Monday, February 22, 2010 10:11:37 0:991 Monday, February 22, 2016 16:16:38 0.001	610 71	50.5
Monday, February 22, 2010 10:10:38 0.991	615.66	50.1
Monday, February 22, 2010 10.21.30 0.991	620.63	<i>J</i> 0. <i>J</i> <i>J</i> 0. <i>S</i>
Monday, February 22, 2010 10.20.37 0.991	625.60	+2.0 50.2
Monday, February 22, 2010 $10.51.400.991$	630 56	50.2
Monday, February 22, 2010 10.50.40 0.591 Monday, February 22, 2016 16:41:41 0.001	635 53	50.2
Monday, February 22, 2010 10.41.41 0.991	640.40	50.2 50.4
Monday, February 22, 2010 $10.40.410.911$ Monday, February 22, 2016 $16.51.420.991$	645 46	50.4
Monday, February 22, 2010 $10.51.420.991$	650 41	70.1 70 0
Monday, February 22, 2010 $10.50.420.991$	655 38	
Monday, February 22, 2010 17.01.45 0.991 Monday, February 22, 2016 17.06.43 0.001	660 34	50.5
Monday, February 22, 2010 17.00.45 0.991 Monday, February 22, 2016 17.11.44 0.001	665 21	50.5
Monday, February 22, 2010 17.11.44 0.991 Monday, February 22, 2016 17.16.44 0.001	670.26	50.5
Monday, February 22, 2010 17:10.44 0.991 Monday, February 22, 2016 17:10.45 0.001	675.20	<u> </u>
Monday, February 22, 2010 17:21:45 0.991 Monday, February 22, 2016 17:26:45 0.001	680 10	
Monday, February 22, 2010 17:20:45 0.991 Monday, February 22, 2016 17:31:45 0.001	685 15	50.5
Monday, February 22, 2010 17.51.45 0.991 Monday, February 22, 2016 17.36.46 0.001	600.10	50.5
11010000, 1001000 , $22, 201017.30.400.991$	070.12	50.2

Monday, February 22, 2016 17:41:46 0.991	695.07	50.1
Monday, February 22, 2016 17:46:47 0.991	700.05	50.2
Monday, February 22, 2016 17:51:47 0.991	705.00	50.2
Monday, February 22, 2016 17:56:47 0.991	709.96	50.2
Monday, February 22, 2016 18:00:00 0.991	713.14	50.2

aqms5 formaldehyde002 Ch. 2 Cartridge Started Monday, February 22, 2016 18:05:02 Flow Rate Set Point 1.00 l/min Stopped Tuesday, February 23, 2016 6:05:23 Total Volume 712.80 liters Total Sample Time 12.00 hours Average Flow Rate 0.000 l/min Minimum Flow Rate 0.000 l/min Maximum Flow Rate 400.000 l/min Pre Start Leak Rate 0.003 l/min Ending Leak Rate -0.005 l/min Flow Controller Zero -0.005 l/min Error Code 0 Error Status OK No Errors

Flow Rate	Volume	Temp	
22, 2016 18:05	5:29 0.082	0.22	50.2
22, 2016 18:10):29 0.990	5.18	50.2
22, 2016 18:15	5:29 0.990	10.13	50.1
22, 2016 18:20):30 0.990	15.10	50.3
22, 2016 18:25	5:30 0.990	20.05	50.2
22, 2016 18:30):30 0.990	25.00	50.1
22, 2016 18:35	5:31 0.990	29.97	50.2
22, 2016 18:40	0:31 0.990	34.92	50.3
22, 2016 18:45	5:31 0.990	39.87	50.2
22, 2016 18:50):32 0.990	44.84	50.2
22, 2016 18:55	5:32 0.990	49.79	50.1
22, 2016 19:00):32 0.990	54.74	50.3
22, 2016 19:05	5:33 0.990	59.71	50.3
22, 2016 19:10):33 0.990	64.66	50.2
22, 2016 19:15	5:33 0.990	69.61	50.3
22, 2016 19:20	0:34 0.990	74.58	50.2
22, 2016 19:25	5:34 0.990	79.53	50.1
22, 2016 19:30):34 0.990	84.49	50.3
22, 2016 19:35	5:35 0.990	89.45	50.2
22, 2016 19:40):35 0.990	94.41	50.1
22, 2016 19:45	5:35 0.990	99.36	50.3
22, 2016 19:50):36 0.990	104.32	50.2
22, 2016 19:55	5:36 0.990	109.28	50.3
22, 2016 20:00):36 0.990	114.23	50.1
22, 2016 20:05	5:37 0.990	119.20	50.3
22, 2016 20:10	0:37 0.990	124.15	50.1
22, 2016 20:15	5:37 0.990	129.10	50.3
22, 2016 20:20):38 0.990	134.07	50.1
22, 2016 20:25	5:38 0.990	139.02	50.3
22, 2016 20:30):38 0.990	143.97	50.2
22, 2016 20:35	5:39 0.990	148.94	50.1
22, 2016 20:40):39 0.990	153.89	50.2
22, 2016 20:45	5:39 0.990	158.84	50.3
	Flow Rate 22, 2016 18:05 22, 2016 18:15 22, 2016 18:15 22, 2016 18:26 22, 2016 18:26 22, 2016 18:26 22, 2016 18:36 22, 2016 18:35 22, 2016 18:55 22, 2016 18:55 22, 2016 19:06 22, 2016 19:06 22, 2016 19:16 22, 2016 19:16 22, 2016 19:26 22, 2016 19:35 22, 2016 19:35 22, 2016 19:35 22, 2016 19:35 22, 2016 19:35 22, 2016 19:56 22, 2016 19:56 22, 2016 20:06 22, 2016 20:06 22, 2016 20:16 22, 2016 20:16 22, 2016 20:16 22, 2016 20:16 22, 2016 20:26 22, 2016 20:35 22, 2016 20:35 23, 2016 20:35 24, 2016 20:35 24, 2016 20:35 25, 2016 20:35 25, 2016 20:35 25, 2016 20:35 25, 2016 20:35 25, 2016 20:35 25,	Flow Rate Volume 22, 2016 18:05:29 0.082 22, 2016 18:10:29 0.990 22, 2016 18:15:29 0.990 22, 2016 18:20:30 0.990 22, 2016 18:25:30 0.990 22, 2016 18:25:30 0.990 22, 2016 18:30:30 0.990 22, 2016 18:40:31 0.990 22, 2016 18:45:31 0.990 22, 2016 18:55:32 0.990 22, 2016 19:00:32 0.990 22, 2016 19:00:32 0.990 22, 2016 19:05:33 0.990 22, 2016 19:10:33 0.990 22, 2016 19:20:34 0.990 22, 2016 19:25:34 0.990 22, 2016 19:30:34 0.990 22, 2016 19:35:35 0.990 22, 2016 19:40:35 0.990 22, 2016 19:55:36 0.990 22, 2016 19:55:36 0.990 22, 2016 20:00:36 0.990 22, 2016 20:00:36 0.990 22, 2016 20:10:37 0.990 22, 2016 20:10:37 0.990 22, 2016 20:23:38 0.990 22, 2016 20:35:39 0.990 22, 2016 20:35:39 0.990 22, 2016 20:45:39 0.990 22, 2016 20:45:39 0.990 22, 2016 20:45:39 0.990	Flow RateVolumeTemp22, 2016 18:05:29 0.0820.2222, 2016 18:10:29 0.9905.1822, 2016 18:15:29 0.99010.1322, 2016 18:20:30 0.99020.0522, 2016 18:25:30 0.99020.0522, 2016 18:30:30 0.99025.0022, 2016 18:35:31 0.99029.9722, 2016 18:40:31 0.99034.9222, 2016 18:50:32 0.99044.8422, 2016 18:55:32 0.99044.8422, 2016 18:55:32 0.99044.8422, 2016 19:00:32 0.99054.7422, 2016 19:01:33 0.99054.7422, 2016 19:02:34 0.99054.7422, 2016 19:20:34 0.99074.5822, 2016 19:25:34 0.99074.5822, 2016 19:30:34 0.99084.4922, 2016 19:40:35 0.99094.4122, 2016 19:55:36 0.990104.3222, 2016 19:55:36 0.990104.3222, 2016 19:55:36 0.990104.3222, 2016 20:00:36 0.990114.2322, 2016 20:00:36 0.990114.2322, 2016 20:10:37 0.990124.1522, 2016 20:10:37 0.990124.1522, 2016 20:20:38 0.990134.0722, 2016 20:20:38 0.990134.0722, 2016 20:20:38 0.990148.9422, 2016 20:30:38 0.990148.9422, 2016 20:40:39 0.990153.8922, 2016 20:40:39 0.990158.84

Monday, February 22, 2016 20:50:39 0.990	163.79	50.2
Monday, February 22, 2016 20:55:40 0.990	168.76	50.2
Monday, February 22, 2016 21:00:40 0.990	173.71	50.1
Monday, February 22, 2016 21:05:40 0.990	178.67	50.1
Monday, February 22, 2016 21:10:41 0.990	183.63	50.2
Monday, February 22, 2016 21:15:41 0.990	188.59	50.2
Monday, February 22, 2016 21:20:41 0.990	193.54	50.2
Monday, February 22, 2016 21:25:42 0.990	198.51	50.2
Monday, February 22, 2016 21:30:42 0.990	203.46	50.2
Monday, February 22, 2016 21:35:42 0.990	208.41	50.1
Monday, February 22, 2016 21:40:43 0.990	213.38	50.1
Monday, February 22, 2016 21:45:43 0.990	218.33	50.1
Monday, February 22, 2016 21:50:43 0.990	223.28	50.1
Monday, February 22, 2016 21:55:44 0.990	228.25	50.2
Monday, February 22, 2016 22:00:44 0.990	233.20	50.1
Monday, February 22, 2016 22:05:44 0.990	238.15	50.3
Monday, February 22, 2016 22:10:45 0.990	243.12	50.1
Monday, February 22, 2016 22:15:45 0.990	248.07	50.2
Monday, February 22, 2016 22:20:45 0.990	253.02	50.2
Monday, February 22, 2016 22:25:46 0.990	257.99	50.2
Monday, February 22, 2016 22:30:46 0.990	262.94	50.7
Monday, February 22, 2016 22:35:47 0.990	267.91	49.9
Monday, February 22, 2016 22:40:47 0.990	272.86	50.5
Monday, February 22, 2016 22:45:48 0.990	277.83	50.4
Monday, February 22, 2016 22:50:48 0.990	282.78	50.2
Monday, February 22, 2016 22:55:49 0.990	287.75	51.0
Monday, February 22, 2016 23:00:49 0.990	292.70	51.0
Monday, February 22, 2016 23:05:50 0.990	297.67	50.5
Monday, February 22, 2016 23:10:50 0.990	302.62	50.2
Monday, February 22, 2016 23:15:51 0.990	307.59	50.5
Monday, February 22, 2016 23:20:51 0.990	312.54	51.0
Monday, February 22, 2016 23:25:52 0.990	317.51	50.7
Monday, February 22, 2016 23:30:52 0.990	322.46	50.5
Monday, February 22, 2016 23:35:53 0.990	327.42	50.2
Monday, February 22, 2016 23:40:53 0.990	332.38	50.1
Monday, February 22, 2016 23:45:54 0.990	337.34	50.4
Monday, February 22, 2016 23:50:54 0.990	342.30	50.5
Monday, February 22, 2016 23:55:55 0.990	347.26	50.5
Tuesday, February 23, 2016 0:00:55 0.990	352.21	50.8
Tuesday, February 23, 2016 0:05:56 0.990	357.18	50.4
Tuesday, February 23, 2016 0:10:56 0.990	362.13	50.5
Tuesday, February 23, 2016 0:15:57 0.990	367.10	51.1
Tuesday, February 23, 2016 0:20:58 0.990	372.07	50.6
Tuesday, February 23, 2016 0:25:58 0.990	377.02	50.2
Tuesday, February 23, 2016 0:30:59 0.990	381.99	50.9
Tuesday, February 23, 2016 0:35:59 0.990	386.94	50.5
Tuesday, February 23, 2016 0:41:00 0.990	391.91	50.8
Tuesday, February 23, 2016 0:46:00 0.990	396.86	50.4
Tuesday, February 23, 2016 0:51:01 0.990	401.83	51.1
Tuesday, February 23, 2016 0:56:01 0.990	400.78	49.8 50 1
Tuesday, February 22, 2016 1:01:02 0.990	411./J 416.70	50.1
Tuesday, February 22, 2016 1:100:02 0.990	410.70 101 66	50.4 50.6
Tuesday, February 23, 2010 1.11.05 0.990 Tuesday, February 23, 2016 1.16.02 0.000	421.00 126.62	50.0
1 ucsuay, 1 coruary 23, 2010 1.10.03 0.990	+20.02	50.5
Tuesday, February 23, 2016 1:21:04 0.990	431.58	50.2
--	--------	------
Tuesday, February 23, 2016 1:26:04 0.990	436.53	50.1
Tuesday, February 23, 2016 1:31:05 0.990	441.50	50.4
Tuesday, February 23, 2016 1:36:05 0.990	446.45	50.8
Tuesday, February 23, 2016 1:41:06 0.990	451.42	50.9
Tuesday, February 23, 2016 1:46:06 0.990	456.37	51.1
Tuesday, February 23, 2016 1:51:07 0.990	461.34	49.9
Tuesday, February 23, 2016 1:56:07 0.990	466.29	50.3
Tuesday, February 23, 2016 2:01:08 0.990	471.26	50.4
Tuesday, February 23, 2016 2:06:08 0.990	476.21	50.5
Tuesday, February 23, 2016 2:11:09 0.990	481.18	50.2
Tuesday, February 23, 2016 2:16:09 0.990	486.13	50.9
Tuesday, February 23, 2016 2:21:10 0.990	491.10	50.4
Tuesday, February 23, 2016 2:26:11 0.990	496.06	50.9
Tuesday, February 23, 2016 2:31:11 0.990	501.02	50.9
Tuesday, February 23, 2016 2:36:12 0.990	505.98	50.1
Tuesday, February 23, 2016 2:41:12 0.990	510.93	50.9
Tuesday, February 23, 2016 2:46:13 0.990	515.90	50.5
Tuesday, February 23, 2016 2:51:13 0.990	520.85	49.9
Tuesday, February 23, 2016 2:56:14 0.990	525.82	50.1
Tuesday, February 23, 2016 3:01:14 0.990	530.77	50.1
Tuesday, February 23, 2016 3:06:15 0.990	535.74	50.8
Tuesday, February 23, 2016 3:11:15 0.990	540.69	50.2
Tuesday, February 23, 2016 3:16:16 0.990	545.66	50.6
Tuesday, February 23, 2016 3:21:16 0.990	550.61	50.5
Tuesday, February 23, 2016 3:26:17 0.990	555.58	50.4
Tuesday, February 23, 2016 3:31:17 0.990	560.53	51.0
Tuesday, February 23, 2016 3:36:18 0.990	565.50	50.6
Tuesday, February 23, 2016 3:41:18 0.990	570.45	50.9
Tuesday, February 23, 2016 3:46:19 0.990	575.42	50.8
Tuesday, February 23, 2016 3:51:19 0.990	580.37	50.9
Tuesday, February 23, 2016 3:56:20 0.990	585.34	50.5
Tuesday, February 23, 2016 4:01:20 0.990	590.29	50.3
Tuesday, February 23, 2016 4:06:21 0.990	595.26	50.8
Tuesday, February 23, 2016 4:11:21 0.990	600.21	50.8
Tuesday, February 23, 2016 4:16:22 0.990	605.18	50.4
Tuesday, February 23, 2016 4:21:22 0.990	610.13	50.4
Tuesday, February 23, 2016 4:26:23 0.990	615.10	49.7
Tuesday, February 23, 2016 4:31:23 0.990	620.05	50.4
Tuesday, February 23, 2016 4:36:24 0.990	625.02	50.2
Tuesday, February 23, 2016 4:41:24 0.990	629.97	50.0
Tuesday, February 23, 2016 4:46:25 0.990	634.94	50.7
Tuesday, February 23, 2016 4:51:25 0.990	639.89	50.3
Tuesday, February 23, 2016 4:56:26 0.990	644.86	50.2
Tuesday, February 23, 2016 5:01:26 0.990	649.81	50.8
Tuesday, February 23, 2016 5:06:27 0.990	654.78	50.6
Tuesday, February 23, 2016 5:11:27 0.990	659.73	50.7
Tuesday, February 23, 2016 5:16:28 0.990	664.70	50.2
Tuesday, February 23, 2016 5:21:28 0.990	669.65	50.1
Tuesday, February 23, 2016 5:26:29 0.990	674.62	50.5
Tuesday, February 23, 2016 5:31:29 0.990	679.57	49.7
Tuesday, February 23, 2016 5:36:30 0.990	684.54	50.5
Tuesday, February 23, 2016 5:41:30 0.990	689.49	50.4
Tuesday, February 23, 2016 5:46:31 0.990	694.46	50.8

Tuesday, February 23, 2016 5:51:31 0.990	699.41	50.9
Tuesday, February 23, 2016 5:56:32 0.990	704.38	50.4
Tuesday, February 23, 2016 6:01:32 0.990	709.33	50.4
Tuesday, February 23, 2016 6:05:02 0.990	712.80	50.8

aqms5 formaldehyde002 Ch. 2 Cartridge Started Saturday, March 05, 2016 6:00:03 Flow Rate Set Point 1.00 l/min Stopped Sunday, March 06, 2016 6:00:23 Total Volume 1425.44 liters Total Sample Time 24.00 hours Average Flow Rate 0.990 l/min Minimum Flow Rate 0.990 l/min Maximum Flow Rate 0.991 l/min Pre Start Leak Rate 0.001 l/min Ending Leak Rate -0.007 l/min Flow Controller Zero -0.002 l/min Error Code 0 Error Status OK No Errors

Time	Flow Rate	Volume	Tem	ıp
Saturday, March 05,	2016 6:00:30	0.080	0.22	49.8
Saturday, March 05,	2016 6:05:31	0.990	5.19	50.5
Saturday, March 05,	2016 6:10:31	0.990	10.14	50.1
Saturday, March 05,	2016 6:15:31	0.990	15.09	50.1
Saturday, March 05,	2016 6:20:32	0.990	20.06	49.4
Saturday, March 05,	2016 6:25:32	0.990	25.01	50.5
Saturday, March 05,	2016 6:30:33	0.990	29.97	50.6
Saturday, March 05,	2016 6:35:33	0.990	34.92	50.4
Saturday, March 05,	2016 6:40:34	0.990	39.89	49.3
Saturday, March 05,	2016 6:45:34	0.990	44.84	49.9
Saturday, March 05,	2016 6:50:35	0.990	49.81	49.8
Saturday, March 05,	2016 6:55:35	0.990	54.76	50.1
Saturday, March 05,	2016 7:00:36	0.990	59.72	49.8
Saturday, March 05,	2016 7:05:36	0.990	64.67	50.6
Saturday, March 05,	2016 7:10:37	0.990	69.64	50.9
Saturday, March 05,	2016 7:15:37	0.990	74.59	50.6
Saturday, March 05,	2016 7:20:38	0.990	79.56	50.3
Saturday, March 05,	2016 7:25:38	0.990	84.51	50.5
Saturday, March 05,	2016 7:30:39	0.990	89.47	50.0
Saturday, March 05,	2016 7:35:39	0.990	94.42	49.5
Saturday, March 05,	2016 7:40:39	0.990	99.37	50.5
Saturday, March 05,	2016 7:45:40	0.990	104.34	50.9
Saturday, March 05,	2016 7:50:40	0.990	109.29	50.3
Saturday, March 05,	2016 7:55:41	0.990	114.26	50.6
Saturday, March 05,	2016 8:00:41	0.990	119.21	50.5
Saturday, March 05,	2016 8:05:42	0.990	124.17	50.4
Saturday, March 05,	2016 8:10:42	0.990	129.12	50.4
Saturday, March 05,	2016 8:15:43	0.990	134.09	50.8
Saturday, March 05,	2016 8:20:43	0.990	139.04	50.8
Saturday, March 05,	2016 8:25:44	0.990	144.01	50.6
Saturday, March 05,	2016 8:30:44	0.990	148.96	50.7
Saturday, March 05,	2016 8:35:44	0.990	153.91	50.1
Saturday, March 05,	2016 8:40:45	0.990	158.88	50.7

Saturday,	March 05,	2016	8:45:45	0.990	163.83	50.7
Saturday,	March 05,	2016	8:50:46	0.990	168.79	50.2
Saturday,	March 05,	2016	8:55:46	0.990	173.74	50.4
Saturday,	March 05,	2016	9:00:47	0.990	178.71	49.6
Saturday,	March 05,	2016	9:05:47	0.990	183.66	50.9
Saturday,	March 05,	2016	9:10:48	0.990	188.63	50.3
Saturday,	March 05,	2016	9:15:48	0.990	193.58	50.0
Saturday,	March 05,	2016	9:20:49	0.990	198.54	49.9
Saturday,	March 05,	2016	9:25:49	0.990	203.49	50.8
Saturday,	March 05,	2016	9:30:50	0.990	208.46	49.6
Saturday,	March 05,	2016	9:35:50	0.990	213.41	50.1
Saturday,	March 05,	2016	9:40:51	0.990	218.38	50.0
Saturday,	March 05,	2016	9:45:51	0.990	223.33	50.5
Saturday,	March 05,	2016	9:50:51	0.990	228.28	50.4
Saturday,	March 05,	2016	9:55:52	0.990	233.24	50.8
Saturday,	March 05,	2016	10:00:5	2 0.990	238.19	50.9
Saturday,	March 05,	2016	10:05:5	3 0.990	243.16	50.1
Saturday,	March 05,	2016	10:10:5	3 0.990	248.11	50.4
Saturday.	March 05.	2016	10:15:5	4 0.990	253.08	50.4
Saturday.	March 05.	2016	10:20:5	4 0.990	258.03	50.8
Saturday.	March 05.	2016	10:25:5	5 0.990	263.00	50.1
Saturday.	March 05.	2016	10:30:5	5 0.990	267.95	50.3
Saturday.	March 05.	2016	10:35:5	6 0.990	272.91	50.8
Saturday.	March 05.	2016	10:40:5	6 0.990	277.86	50.5
Saturday.	March 05.	2016	10:45:5	7 0.990	282.83	50.1
Saturday.	March 05.	2016	10:50:5	7 0.990	287.78	50.8
Saturday.	March 05.	2016	10:55:5	8 0.990	292.75	50.2
Saturday.	March 05.	2016	11:00:5	8 0.990	297.70	50.9
Saturday.	March 05.	2016	11:05:5	9 0.990	302.66	50.6
Saturday.	March 05.	2016	11:11:0	0 0.990	307.63	50.5
Saturday.	March 05.	2016	11:16:0	0 0.990	312.58	50.4
Saturday.	March 05.	2016	11:21:0	1 0.990	317.55	50.4
Saturday.	March 05.	2016	11:26:0	1 0.990	322.50	50.3
Saturday.	March 05.	2016	11:31:0	2 0.990	327.47	50.5
Saturday,	March 05,	2016	11:36:0	2 0.990	332.42	50.1
Saturday.	March 05.	2016	11:41:0	3 0.990	337.38	50.2
Saturday.	March 05.	2016	11:46:0	3 0.990	342.33	50.1
Saturday.	March 05.	2016	11:51:0	4 0.990	347.30	50.0
Saturday.	March 05.	2016	11:56:0	4 0.990	352.25	50.2
Saturday.	March 05.	2016	12:01:0	5 0.990	357.22	50.8
Saturday,	March 05,	2016	12:06:0	5 0.990	362.17	50.4
Saturday,	March 05,	2016	12:11:0	6 0.990	367.14	50.3
Saturday,	March 05,	2016	12:16:0	6 0.990	372.09	50.3
Saturday,	March 05,	2016	12:21:0	7 0.990	377.05	50.2
Saturday,	March 05,	2016	12:26:0	7 0.990	382.00	50.4
Saturday,	March 05,	2016	12:31:0	8 0.990	386.97	50.8
Saturday,	March 05,	2016	12:36:0	8 0.990	391.92	50.2
Saturday,	March 05,	2016	12:41:0	9 0.990	396.89	51.0
Saturday,	March 05,	2016	12:46:0	9 0.990	401.84	50.0
Saturday,	March 05,	2016	12:51:1	0 0.990	406.80	50.4
Saturday,	March 05,	2016	12:56:1	0 0.990	411.76	50.4
Saturday,	March 05,	2016	13:01:1	1 0.990	416.72	50.5
Saturday,	March 05,	2016	13:06:1	1 0.990	421.67	50.6
Saturday,	March 05,	2016	13:11:1	1 0.990	426.62	49.6

Saturday,	March 05,	2016	13:16:12	2 0.990	431.59	50.3
Saturday,	March 05,	2016	13:21:12	2 0.990	436.54	50.8
Saturday,	March 05,	2016	13:26:13	3 0.990	441.51	50.5
Saturday,	March 05,	2016	13:31:13	3 0.990	446.46	50.9
Saturday,	March 05,	2016	13:36:14	1 0.990	451.42	50.0
Saturday,	March 05,	2016	13:41:15	5 0.990	456.39	50.1
Saturday,	March 05,	2016	13:46:15	5 0.990	461.34	50.1
Saturday,	March 05,	2016	13:51:15	5 0.990	466.29	50.3
Saturday,	March 05,	2016	13:56:16	5 0.990	471.26	51.0
Saturday,	March 05,	2016	14:01:16	5 0.990	476.21	51.1
Saturday,	March 05,	2016	14:06:17	7 0.990	481.18	50.1
Saturday,	March 05,	2016	14:11:17	7 0.990	486.13	50.9
Saturday,	March 05,	2016	14:16:18	3 0.990	491.09	50.6
Saturday,	March 05,	2016	14:21:18	3 0.990	496.04	50.1
Saturday,	March 05,	2016	14:26:19	0.990	501.01	50.9
Saturday,	March 05,	2016	14:31:19	0.990	505.96	50.5
Saturday,	March 05,	2016	14:36:20) 0.990	510.93	50.8
Saturday,	March 05,	2016	14:41:20) 0.990	515.88	50.8
Saturday,	March 05,	2016	14:46:21	0.990	520.85	50.1
Saturday,	March 05,	2016	14:51:21	0.990	525.80	49.8
Saturday,	March 05,	2016	14:56:22	2 0.990	530.76	50.2
Saturday,	March 05,	2016	15:01:22	2 0.990	535.71	50.5
Saturday,	March 05,	2016	15:06:23	3 0.990	540.68	50.9
Saturday,	March 05,	2016	15:11:23	3 0.990	545.63	50.2
Saturday,	March 05,	2016	15:16:23	3 0.990	550.58	50.7
Saturday,	March 05,	2016	15:21:24	1 0.990	555.55	50.1
Saturday,	March 05,	2016	15:26:24	1 0.990	560.50	50.4
Saturday,	March 05,	2016	15:31:25	5 0.990	565.47	50.5
Saturday,	March 05,	2016	15:36:25	5 0.990	570.42	50.6
Saturday,	March 05,	2016	15:41:26	5 0.990	575.38	50.6
Saturday,	March 05,	2016	15:46:26	5 0.990	580.34	50.1
Saturday,	March 05,	2016	15:51:27	7 0.990	585.30	50.5
Saturday,	March 05,	2016	15:56:27	7 0.990	590.25	50.6
Saturday,	March 05,	2016	16:01:28	3 0.990	595.22	50.1
Saturday,	March 05,	2016	16:06:28	3 0.990	600.17	50.3
Saturday,	March 05,	2016	16:11:29	0.990	605.14	50.6
Saturday,	March 05,	2016	16:16:29	0.990	610.09	49.8
Saturday,	March 05,	2016	16:21:30	0.990 (615.06	50.2
Saturday,	March 05,	2016	16:26:30	0.990 (620.01	50.2
Saturday,	March 05,	2016	16:31:31	0.990	624.98	50.9
Saturday,	March 05,	2016	16:36:31	0.990	629.93	50.5
Saturday,	March 05,	2016	16:41:32	2 0.990	634.89	50.2
Saturday,	March 05,	2016	16:46:32	2 0.990	639.84	50.5
Saturday,	March 05,	2016	16:51:33	3 0.990	644.81	49.9
Saturday,	March 05,	2016	16:56:33	3 0.990	649.76	50.4
Saturday,	March 05,	2016	17:01:34	1 0.990	654.73	50.1
Saturday,	March 05,	2016	17:06:34	1 0.990	659.68	50.8
Saturday,	March 05,	2016	17:11:35	5 0.990	664.65	51.1
Saturday,	March 05,	2016	17:16:35	5 0.990	669.60	50.5
Saturday,	March 05,	2016	17:21:36	5 0.990	674.57	50.5
Saturday,	March 05,	2016	17:26:36	5 0.990	679.52	50.0
Saturday,	March 05,	2016	17:31:37	7 0.990	684.48	50.3
Saturday,	March 05,	2016	17:36:37	7 0.990	689.44	50.4
Saturday,	March 05,	2016	17:41:38	3 0.990	694.40	50.5

Saturday,	March 05,	2016	17:46:3	8 0.99	0 6	599.35	50.7
Saturday,	March 05,	2016	17:51:3	9 0.99	0 7	704.32	50.2
Saturday,	March 05,	2016	17:56:3	9 0.99	0 7	709.27	50.5
Saturday,	March 05,	2016	18:01:4	0 0.99	0 7	714.24	50.7
Saturday.	March 05.	2016	18:06:4	0 0.99	0 7	719.19	50.8
Saturday,	March 05,	2016	18:11:4	1 0.99	0 7	724.16	49.8
Saturday,	March 05,	2016	18:16:4	1 0.99	0 7	729.11	50.7
Saturday,	March 05,	2016	18:21:4	2 0.99	0 7	734.08	50.8
Saturday,	March 05,	2016	18:26:4	2 0.99	0 7	739.03	50.5
Saturday,	March 05,	2016	18:31:4	3 0.99	0 7	744.00	50.2
Saturday,	March 05,	2016	18:36:4	3 0.99	0 7	748.95	50.4
Saturday,	March 05,	2016	18:41:4	4 0.99	0 7	753.91	50.5
Saturday,	March 05,	2016	18:46:4	4 0.99	0 7	758.86	50.5
Saturday,	March 05,	2016	18:51:4	5 0.99	0 7	763.83	50.7
Saturday,	March 05,	2016	18:56:4	5 0.99	0 7	768.78	50.6
Saturday,	March 05,	2016	19:01:4	6 0.99	0 7	73.75	50.3
Saturday,	March 05,	2016	19:06:4	6 0.99	0 7	78.70	50.2
Saturday,	March 05,	2016	19:11:4	7 0.99	0 7	783.67	49.8
Saturday,	March 05,	2016	19:16:4	7 0.99	0 7	788.62	50.5
Saturday,	March 05,	2016	19:21:4	8 0.99	0 7	793.58	50.3
Saturday,	March 05,	2016	19:26:4	8 0.99	0 7	798.54	50.5
Saturday,	March 05,	2016	19:31:4	9 0.99	0 8	303.50	51.0
Saturday,	March 05,	2016	19:36:4	9 0.99	0 8	308.45	50.9
Saturday,	March 05,	2016	19:41:5	0 0.99	0 8	313.42	49.8
Saturday,	March 05,	2016	19:46:5	0 0.99	0 8	318.37	50.0
Saturday,	March 05,	2016	19:51:5	1 0.99	0 8	323.34	50.2
Saturday,	March 05,	2016	19:56:5	1 0.99	0 8	328.29	50.5
Saturday,	March 05,	2016	20:01:5	2 0.99	0 8	333.26	50.8
Saturday,	March 05,	2016	20:06:5	2 0.99	0 8	338.21	50.8
Saturday,	March 05,	2016	20:11:5	3 0.99	0 8	343.17	50.4
Saturday,	March 05,	2016	20:16:5	3 0.99	0 8	348.13	50.2
Saturday,	March 05,	2016	20:21:5	4 0.99	0 8	353.09	50.4
Saturday,	March 05,	2016	20:26:5	4 0.99	0 8	358.04	50.6
Saturday,	March 05,	2016	20:31:5	5 0.99	0 8	363.01	50.6
Saturday,	March 05,	2016	20:36:5	5 0.99	0 8	367.96	50.3
Saturday,	March 05,	2016	20:41:5	6 0.99	0 8	372.93	50.7
Saturday,	March 05,	2016	20:46:5	6 0.99	0 8	377.88	50.5
Saturday,	March 05,	2016	20:51:5	7 0.99	0 8	382.84	50.4
Saturday,	March 05,	2016	20:56:5	7 0.99	0 8	387.80	50.7
Saturday,	March 05,	2016	21:01:5	8 0.99	0 8	392.76	50.5
Saturday,	March 05,	2016	21:06:5	8 0.99	0 8	397.71	50.6
Saturday,	March 05,	2016	21:11:5	9 0.99	0 9	902.68	49.8
Saturday,	March 05,	2016	21:16:5	9 0.99	0 9	907.63	50.4
Saturday,	March 05,	2016	21:22:0	0 0.99	0 9	912.60	50.4
Saturday,	March 05,	2016	21:27:0	0 0.99	0 9	917.55	51.1
Saturday,	March 05,	2016	21:32:0	1 0.99	0 9	922.51	50.3
Saturday,	March 05,	2016	21:37:0	1 0.99	0 9	927.46	50.8
Saturday,	March 05,	2016	21:42:0	2 0.99	0 9	932.43	50.9
Saturday,	March 05,	2016	21:47:0	2 0.99	0 9	937.38	50.4
Saturday,	March 05,	2016	21:52:0	3 0.99	0 9	942.35	49.9
Saturday,	March 05,	2016	21:57:0	3 0.99	0 9	947.30	50.6
Saturday,	March 05,	2016	22:02:0	4 0.99	0 9	952.26	50.4
Saturday,	March 05,	2016	22:07:0	4 0.99	0 9	957.21	50.7
Saturday,	March 05,	2016	22:12:0	5 0.99	0 9	962.18	50.4

Saturday, March 05, 2016 22:17:05 0.990	967.13	50.1
Saturday, March 05, 2016 22:22:06 0.990	972.10	50.7
Saturday, March 05, 2016 22:27:06 0.990	977.05	50.9
Saturday, March 05, 2016 22:32:07 0.990	982.01	50.1
Saturday, March 05, 2016 22:37:07 0.990	986.96	50.4
Saturday, March 05, 2016 22:42:08 0.990	991.93	50.5
Saturday, March 05, 2016 22:47:08 0.990	996.88	50.6
Saturday, March 05, 2016 22:52:09 0.990	1001.85	50.1
Saturday, March 05, 2016 22:57:09 0.990	1006.80	50.8
Saturday, March 05, 2016 23:02:10 0.990	1011.77	49.7
Saturday, March 05, 2016 23:07:10 0.990	1016.72	50.7
Saturday, March 05, 2016 23:12:11 0.990	1021.68	50.5
Saturday, March 05, 2016 23:17:11 0.990	1026.63	50.5
Saturday, March 05, 2016 23:22:12 0.990	1031.60	50.7
Saturday, March 05, 2016 23:27:12 0.990	1036.55	50.2
Saturday, March 05, 2016 23:32:13 0.990	1041.51	50.8
Saturday, March 05, 2016 23:37:13 0.990	1046.46	50.5
Saturday, March 05, 2016 23:42:14 0.990	1051.43	50.6
Saturday, March 05, 2016 23:47:14 0.990	1056.38	50.2
Saturday, March 05, 2016 23:52:15 0.990	1061.35	50.5
Saturday, March 05, 2016 23:57:15 0.990	1066.30	50.4
Sunday, March 06, 2016 0:02:16 0.990	1071.26	50.5
Sunday, March 06, 2016 0:07:16 0.990	1076.21	50.2
Sunday, March 06, 2016 0:12:17 0.990	1081.18	49.9
Sunday, March 06, 2016 0:17:17 0.990	1086.13	50.4
Sunday, March 06, 2016 0:22:17 0.990	1091.08	50.0
Sunday, March 06, 2016 0:27:18 0.990	1096.04	49.4
Sunday, March 06, 2016 0:32:18 0.990	1100.99	50.0
Sunday, March 06, 2016 0:37:19 0.990	1105.96	50.5
Sunday, March 06, 2016 0:42:19 0.990	1110.91	50.8
Sunday, March 06, 2016 0:47:20 0.990	1115.88	50.1
Sunday, March 06, 2016 0:52:20 0.990	1120.83	50.2
Sunday, March 06, 2016 0:57:21 0.990	1125.79	50.0
Sunday, March 06, 2016 1:02:21 0.990	1130.74	50.7
Sunday, March 06, 2016 1:07:22 0.990	1135.71	50.8
Sunday, March 06, 2016 1:12:22 0.990	1140.66	50.9
Sunday, March 06, 2016 1:17:22 0.990	1145.61	50.7
Sunday, March 06, 2016 1:22:23 0.990	1150.57	50.8
Sunday, March 06, 2016 1:27:23 0.990	1155.52	50.7
Sunday, March 06, 2016 1:32:24 0.990	1160.49	50.4
Sunday, March 06, 2016 1:37:24 0.990	1165.44	50.0
Sunday, March 06, 2016 1:42:25 0.990	1170.41	49.3
Sunday, March 06, 2016 1:47:25 0.990	1175.35	50.4
Sunday, March 06, 2016 1:52:26 0.990	1180.32	50.2
Sunday, March 06, 2016 1:57:26 0.990	1185.27	50.7
Sunday, March 06, 2016 2:02:27 0.990	1190.24	50.0
Sunday, March 06, 2016 2:07:27 0.990	1195.19	49.9
Sunday, March 06, 2016 2:12:27 0.990	1200.14	50.8
Sunday, March 06, 2016 2:17:28 0.990	1205.10	50.8
Sunday, March 06, 2016 2:22:28 0.990	1210.05	49.1
Sunday, March 06, 2016 2:27:29 0.990	1215.02	50.1
Sunday, March 06, 2016 2:32:29 0.990	1219.97	50.7
Sunday, March 06, 2016 2:37:30 0.990	1224.95	50.0 50.1
Sunday, March 06, 2016 2:42:30 0.990	1229.88	50.1

Sunday, March 06, 2016 2:47:31 0.990	1234.85	50.1
Sunday, March 06, 2016 2:52:31 0.990	1239.80	50.7
Sunday, March 06, 2016 2:57:32 0.990	1244.77	50.5
Sunday, March 06, 2016 3:02:32 0.990	1249.72	50.8
Sunday, March 06, 2016 3:07:32 0.990	1254.67	50.4
Sunday, March 06, 2016 3:12:33 0.990	1259.63	50.2
Sunday, March 06, 2016 3:17:33 0.990	1264.58	49.9
Sunday, March 06, 2016 3:22:34 0.990	1269.55	50.1
Sunday, March 06, 2016 3:27:34 0.990	1274.50	50.1
Sunday, March 06, 2016 3:32:35 0.990	1279.46	50.2
Sunday, March 06, 2016 3:37:35 0.990	1284.41	50.9
Sunday, March 06, 2016 3:42:36 0.990	1289.38	50.4
Sunday, March 06, 2016 3:47:36 0.990	1294.33	50.0
Sunday, March 06, 2016 3:52:36 0.990	1299.28	50.1
Sunday, March 06, 2016 3:57:37 0.990	1304.25	50.5
Sunday, March 06, 2016 4:02:37 0.990	1309.20	50.8
Sunday, March 06, 2016 4:07:38 0.990	1314.16	51.0
Sunday, March 06, 2016 4:12:38 0.990	1319.11	50.1
Sunday, March 06, 2016 4:17:39 0.990	1324.08	50.3
Sunday, March 06, 2016 4:22:39 0.990	1329.03	50.1
Sunday, March 06, 2016 4:27:39 0.990	1333.98	50.7
Sunday, March 06, 2016 4:32:40 0.990	1338.94	50.5
Sunday, March 06, 2016 4:37:40 0.990	1343.89	50.5
Sunday, March 06, 2016 4:42:41 0.990	1348.86	50.1
Sunday, March 06, 2016 4:47:41 0.990	1353.81	50.1
Sunday, March 06, 2016 4:52:42 0.990	1358.78	50.4
Sunday, March 06, 2016 4:57:42 0.990	1363.73	50.4
Sunday, March 06, 2016 5:02:43 0.990	1368.69	50.1
Sunday, March 06, 2016 5:07:43 0.990	1373.64	49.9
Sunday, March 06, 2016 5:12:43 0.990	1378.59	50.2
Sunday, March 06, 2016 5:17:44 0.990	1383.56	50.1
Sunday, March 06, 2016 5:22:44 0.990	1388.51	50.6
Sunday, March 06, 2016 5:27:45 0.990	1393.47	50.9
Sunday, March 06, 2016 5:32:45 0.990	1398.42	50.0
Sunday, March 06, 2016 5:37:46 0.990	1403.39	50.0
Sunday, March 06, 2016 5:42:46 0.990	1408.34	50.6
Sunday, March 06, 2016 5:47:47 0.990	1413.30	50.0
Sunday, March 06, 2016 5:52:47 0.990	1418.25	49.8
Sunday, March 06, 2016 5:57:48 0.990	1423.22	50.2
Sunday, March 06, 2016 6:00:02 0.990	1425.43	50.3

aqms5 formaldehyde002 Ch. 2 Cartridge Started Saturday, March 05, 2016 6:00:03 Flow Rate Set Point 1.00 l/min Stopped Sunday, March 06, 2016 6:00:23 Total Volume 1425.44 liters Total Sample Time 24.00 hours Average Flow Rate 0.990 l/min Minimum Flow Rate 0.990 l/min Maximum Flow Rate 0.991 l/min Pre Start Leak Rate 0.001 l/min Ending Leak Rate -0.007 l/min Flow Controller Zero -0.002 l/min Error Code 0 Error Status OK No Errors

Time	Flow Rate	Volume	Tem	ıp
Saturday, March 05,	2016 6:00:30	0.080	0.22	49.8
Saturday, March 05,	2016 6:05:31	0.990	5.19	50.5
Saturday, March 05,	2016 6:10:31	0.990	10.14	50.1
Saturday, March 05,	2016 6:15:31	0.990	15.09	50.1
Saturday, March 05,	2016 6:20:32	0.990	20.06	49.4
Saturday, March 05,	2016 6:25:32	0.990	25.01	50.5
Saturday, March 05,	2016 6:30:33	0.990	29.97	50.6
Saturday, March 05,	2016 6:35:33	0.990	34.92	50.4
Saturday, March 05,	2016 6:40:34	0.990	39.89	49.3
Saturday, March 05,	2016 6:45:34	0.990	44.84	49.9
Saturday, March 05,	2016 6:50:35	0.990	49.81	49.8
Saturday, March 05,	2016 6:55:35	0.990	54.76	50.1
Saturday, March 05,	2016 7:00:36	0.990	59.72	49.8
Saturday, March 05,	2016 7:05:36	0.990	64.67	50.6
Saturday, March 05,	2016 7:10:37	0.990	69.64	50.9
Saturday, March 05,	2016 7:15:37	0.990	74.59	50.6
Saturday, March 05,	2016 7:20:38	0.990	79.56	50.3
Saturday, March 05,	2016 7:25:38	0.990	84.51	50.5
Saturday, March 05,	2016 7:30:39	0.990	89.47	50.0
Saturday, March 05,	2016 7:35:39	0.990	94.42	49.5
Saturday, March 05,	2016 7:40:39	0.990	99.37	50.5
Saturday, March 05,	2016 7:45:40	0.990	104.34	50.9
Saturday, March 05,	2016 7:50:40	0.990	109.29	50.3
Saturday, March 05,	2016 7:55:41	0.990	114.26	50.6
Saturday, March 05,	2016 8:00:41	0.990	119.21	50.5
Saturday, March 05,	2016 8:05:42	0.990	124.17	50.4
Saturday, March 05,	2016 8:10:42	0.990	129.12	50.4
Saturday, March 05,	2016 8:15:43	0.990	134.09	50.8
Saturday, March 05,	2016 8:20:43	0.990	139.04	50.8
Saturday, March 05,	2016 8:25:44	0.990	144.01	50.6
Saturday, March 05,	2016 8:30:44	0.990	148.96	50.7
Saturday, March 05,	2016 8:35:44	0.990	153.91	50.1
Saturday, March 05,	2016 8:40:45	0.990	158.88	50.7

Saturday,	March 05,	2016	8:45:45	0.990	163.83	50.7
Saturday,	March 05,	2016	8:50:46	0.990	168.79	50.2
Saturday,	March 05,	2016	8:55:46	0.990	173.74	50.4
Saturday,	March 05,	2016	9:00:47	0.990	178.71	49.6
Saturday,	March 05,	2016	9:05:47	0.990	183.66	50.9
Saturday,	March 05,	2016	9:10:48	0.990	188.63	50.3
Saturday,	March 05,	2016	9:15:48	0.990	193.58	50.0
Saturday,	March 05,	2016	9:20:49	0.990	198.54	49.9
Saturday,	March 05,	2016	9:25:49	0.990	203.49	50.8
Saturday,	March 05,	2016	9:30:50	0.990	208.46	49.6
Saturday,	March 05,	2016	9:35:50	0.990	213.41	50.1
Saturday,	March 05,	2016	9:40:51	0.990	218.38	50.0
Saturday,	March 05,	2016	9:45:51	0.990	223.33	50.5
Saturday,	March 05,	2016	9:50:51	0.990	228.28	50.4
Saturday,	March 05,	2016	9:55:52	0.990	233.24	50.8
Saturday,	March 05,	2016	10:00:5	2 0.990	238.19	50.9
Saturday,	March 05,	2016	10:05:5	3 0.990	243.16	50.1
Saturday,	March 05,	2016	10:10:5	3 0.990	248.11	50.4
Saturday.	March 05.	2016	10:15:5	4 0.990	253.08	50.4
Saturday.	March 05.	2016	10:20:5	4 0.990	258.03	50.8
Saturday.	March 05.	2016	10:25:5	5 0.990	263.00	50.1
Saturday.	March 05.	2016	10:30:5	5 0.990	267.95	50.3
Saturday.	March 05.	2016	10:35:5	6 0.990	272.91	50.8
Saturday.	March 05.	2016	10:40:5	6 0.990	277.86	50.5
Saturday.	March 05.	2016	10:45:5	7 0.990	282.83	50.1
Saturday.	March 05.	2016	10:50:5	7 0.990	287.78	50.8
Saturday.	March 05.	2016	10:55:5	8 0.990	292.75	50.2
Saturday.	March 05.	2016	11:00:5	8 0.990	297.70	50.9
Saturday.	March 05.	2016	11:05:5	9 0.990	302.66	50.6
Saturday.	March 05.	2016	11:11:0	0 0.990	307.63	50.5
Saturday.	March 05.	2016	11:16:0	0 0.990	312.58	50.4
Saturday.	March 05.	2016	11:21:0	1 0.990	317.55	50.4
Saturday.	March 05.	2016	11:26:0	1 0.990	322.50	50.3
Saturday.	March 05.	2016	11:31:0	2 0.990	327.47	50.5
Saturday,	March 05,	2016	11:36:0	2 0.990	332.42	50.1
Saturday.	March 05.	2016	11:41:0	3 0.990	337.38	50.2
Saturday.	March 05.	2016	11:46:0	3 0.990	342.33	50.1
Saturday.	March 05.	2016	11:51:0	4 0.990	347.30	50.0
Saturday.	March 05.	2016	11:56:0	4 0.990	352.25	50.2
Saturday.	March 05.	2016	12:01:0	5 0.990	357.22	50.8
Saturday,	March 05,	2016	12:06:0	5 0.990	362.17	50.4
Saturday,	March 05,	2016	12:11:0	6 0.990	367.14	50.3
Saturday,	March 05,	2016	12:16:0	6 0.990	372.09	50.3
Saturday,	March 05,	2016	12:21:0	7 0.990	377.05	50.2
Saturday,	March 05,	2016	12:26:0	7 0.990	382.00	50.4
Saturday,	March 05,	2016	12:31:0	8 0.990	386.97	50.8
Saturday,	March 05,	2016	12:36:0	8 0.990	391.92	50.2
Saturday,	March 05,	2016	12:41:0	9 0.990	396.89	51.0
Saturday,	March 05,	2016	12:46:0	9 0.990	401.84	50.0
Saturday,	March 05,	2016	12:51:1	0 0.990	406.80	50.4
Saturday,	March 05,	2016	12:56:1	0 0.990	411.76	50.4
Saturday,	March 05,	2016	13:01:1	1 0.990	416.72	50.5
Saturday,	March 05,	2016	13:06:1	1 0.990	421.67	50.6
Saturday,	March 05,	2016	13:11:1	1 0.990	426.62	49.6

Saturday,	March 05,	2016	13:16:12	2 0.990	431.59	50.3
Saturday,	March 05,	2016	13:21:12	2 0.990	436.54	50.8
Saturday,	March 05,	2016	13:26:13	3 0.990	441.51	50.5
Saturday,	March 05,	2016	13:31:13	3 0.990	446.46	50.9
Saturday,	March 05,	2016	13:36:14	1 0.990	451.42	50.0
Saturday,	March 05,	2016	13:41:15	5 0.990	456.39	50.1
Saturday,	March 05,	2016	13:46:15	5 0.990	461.34	50.1
Saturday,	March 05,	2016	13:51:15	5 0.990	466.29	50.3
Saturday,	March 05,	2016	13:56:16	5 0.990	471.26	51.0
Saturday,	March 05,	2016	14:01:16	5 0.990	476.21	51.1
Saturday,	March 05,	2016	14:06:17	7 0.990	481.18	50.1
Saturday,	March 05,	2016	14:11:17	7 0.990	486.13	50.9
Saturday,	March 05,	2016	14:16:18	3 0.990	491.09	50.6
Saturday,	March 05,	2016	14:21:18	3 0.990	496.04	50.1
Saturday,	March 05,	2016	14:26:19	0.990	501.01	50.9
Saturday,	March 05,	2016	14:31:19	0.990	505.96	50.5
Saturday,	March 05,	2016	14:36:20) 0.990	510.93	50.8
Saturday,	March 05,	2016	14:41:20) 0.990	515.88	50.8
Saturday,	March 05,	2016	14:46:21	0.990	520.85	50.1
Saturday,	March 05,	2016	14:51:21	0.990	525.80	49.8
Saturday,	March 05,	2016	14:56:22	2 0.990	530.76	50.2
Saturday,	March 05,	2016	15:01:22	2 0.990	535.71	50.5
Saturday,	March 05,	2016	15:06:23	3 0.990	540.68	50.9
Saturday,	March 05,	2016	15:11:23	3 0.990	545.63	50.2
Saturday,	March 05,	2016	15:16:23	3 0.990	550.58	50.7
Saturday,	March 05,	2016	15:21:24	1 0.990	555.55	50.1
Saturday,	March 05,	2016	15:26:24	1 0.990	560.50	50.4
Saturday,	March 05,	2016	15:31:25	5 0.990	565.47	50.5
Saturday,	March 05,	2016	15:36:25	5 0.990	570.42	50.6
Saturday,	March 05,	2016	15:41:26	5 0.990	575.38	50.6
Saturday,	March 05,	2016	15:46:26	5 0.990	580.34	50.1
Saturday,	March 05,	2016	15:51:27	7 0.990	585.30	50.5
Saturday,	March 05,	2016	15:56:27	7 0.990	590.25	50.6
Saturday,	March 05,	2016	16:01:28	3 0.990	595.22	50.1
Saturday,	March 05,	2016	16:06:28	3 0.990	600.17	50.3
Saturday,	March 05,	2016	16:11:29	0.990	605.14	50.6
Saturday,	March 05,	2016	16:16:29	0.990	610.09	49.8
Saturday,	March 05,	2016	16:21:30	0.990 (615.06	50.2
Saturday,	March 05,	2016	16:26:30	0.990 (620.01	50.2
Saturday,	March 05,	2016	16:31:31	0.990	624.98	50.9
Saturday,	March 05,	2016	16:36:31	0.990	629.93	50.5
Saturday,	March 05,	2016	16:41:32	2 0.990	634.89	50.2
Saturday,	March 05,	2016	16:46:32	2 0.990	639.84	50.5
Saturday,	March 05,	2016	16:51:33	3 0.990	644.81	49.9
Saturday,	March 05,	2016	16:56:33	3 0.990	649.76	50.4
Saturday,	March 05,	2016	17:01:34	1 0.990	654.73	50.1
Saturday,	March 05,	2016	17:06:34	1 0.990	659.68	50.8
Saturday,	March 05,	2016	17:11:35	5 0.990	664.65	51.1
Saturday,	March 05,	2016	17:16:35	5 0.990	669.60	50.5
Saturday,	March 05,	2016	17:21:36	5 0.990	674.57	50.5
Saturday,	March 05,	2016	17:26:36	5 0.990	679.52	50.0
Saturday,	March 05,	2016	17:31:37	7 0.990	684.48	50.3
Saturday,	March 05,	2016	17:36:37	7 0.990	689.44	50.4
Saturday,	March 05,	2016	17:41:38	3 0.990	694.40	50.5

Saturday,	March 05,	2016	17:46:3	8 0.99	0 6	599.35	50.7
Saturday,	March 05,	2016	17:51:3	9 0.99	0 7	704.32	50.2
Saturday,	March 05,	2016	17:56:3	9 0.99	0 7	709.27	50.5
Saturday,	March 05,	2016	18:01:4	0 0.99	0 7	714.24	50.7
Saturday.	March 05.	2016	18:06:4	0 0.99	0 7	719.19	50.8
Saturday,	March 05,	2016	18:11:4	1 0.99	0 7	724.16	49.8
Saturday,	March 05,	2016	18:16:4	1 0.99	0 7	729.11	50.7
Saturday,	March 05,	2016	18:21:4	2 0.99	0 7	734.08	50.8
Saturday,	March 05,	2016	18:26:4	2 0.99	0 7	739.03	50.5
Saturday,	March 05,	2016	18:31:4	3 0.99	0 7	744.00	50.2
Saturday,	March 05,	2016	18:36:4	3 0.99	0 7	748.95	50.4
Saturday,	March 05,	2016	18:41:4	4 0.99	0 7	753.91	50.5
Saturday,	March 05,	2016	18:46:4	4 0.99	0 7	758.86	50.5
Saturday,	March 05,	2016	18:51:4	5 0.99	0 7	763.83	50.7
Saturday,	March 05,	2016	18:56:4	5 0.99	0 7	768.78	50.6
Saturday,	March 05,	2016	19:01:4	6 0.99	0 7	73.75	50.3
Saturday,	March 05,	2016	19:06:4	6 0.99	0 7	78.70	50.2
Saturday,	March 05,	2016	19:11:4	7 0.99	0 7	783.67	49.8
Saturday,	March 05,	2016	19:16:4	7 0.99	0 7	788.62	50.5
Saturday,	March 05,	2016	19:21:4	8 0.99	0 7	793.58	50.3
Saturday,	March 05,	2016	19:26:4	8 0.99	0 7	798.54	50.5
Saturday,	March 05,	2016	19:31:4	9 0.99	0 8	303.50	51.0
Saturday,	March 05,	2016	19:36:4	9 0.99	0 8	308.45	50.9
Saturday,	March 05,	2016	19:41:5	0 0.99	0 8	313.42	49.8
Saturday,	March 05,	2016	19:46:5	0 0.99	0 8	318.37	50.0
Saturday,	March 05,	2016	19:51:5	1 0.99	0 8	323.34	50.2
Saturday,	March 05,	2016	19:56:5	1 0.99	0 8	328.29	50.5
Saturday,	March 05,	2016	20:01:5	2 0.99	0 8	333.26	50.8
Saturday,	March 05,	2016	20:06:5	2 0.99	0 8	338.21	50.8
Saturday,	March 05,	2016	20:11:5	3 0.99	0 8	343.17	50.4
Saturday,	March 05,	2016	20:16:5	3 0.99	0 8	348.13	50.2
Saturday,	March 05,	2016	20:21:5	4 0.99	0 8	353.09	50.4
Saturday,	March 05,	2016	20:26:5	4 0.99	0 8	358.04	50.6
Saturday,	March 05,	2016	20:31:5	5 0.99	0 8	363.01	50.6
Saturday,	March 05,	2016	20:36:5	5 0.99	0 8	367.96	50.3
Saturday,	March 05,	2016	20:41:5	6 0.99	0 8	372.93	50.7
Saturday,	March 05,	2016	20:46:5	6 0.99	0 8	377.88	50.5
Saturday,	March 05,	2016	20:51:5	7 0.99	0 8	382.84	50.4
Saturday,	March 05,	2016	20:56:5	7 0.99	0 8	387.80	50.7
Saturday,	March 05,	2016	21:01:5	8 0.99	0 8	392.76	50.5
Saturday,	March 05,	2016	21:06:5	8 0.99	0 8	397.71	50.6
Saturday,	March 05,	2016	21:11:5	9 0.99	0 9	902.68	49.8
Saturday,	March 05,	2016	21:16:5	9 0.99	0 9	907.63	50.4
Saturday,	March 05,	2016	21:22:0	0 0.99	0 9	912.60	50.4
Saturday,	March 05,	2016	21:27:0	0 0.99	0 9	917.55	51.1
Saturday,	March 05,	2016	21:32:0	1 0.99	0 9	922.51	50.3
Saturday,	March 05,	2016	21:37:0	1 0.99	0 9	927.46	50.8
Saturday,	March 05,	2016	21:42:0	2 0.99	0 9	932.43	50.9
Saturday,	March 05,	2016	21:47:0	2 0.99	0 9	937.38	50.4
Saturday,	March 05,	2016	21:52:0	3 0.99	0 9	942.35	49.9
Saturday,	March 05,	2016	21:57:0	3 0.99	0 9	947.30	50.6
Saturday,	March 05,	2016	22:02:0	4 0.99	0 9	952.26	50.4
Saturday,	March 05,	2016	22:07:0	4 0.99	0 9	957.21	50.7
Saturday,	March 05,	2016	22:12:0	5 0.99	0 9	962.18	50.4

Saturday, March 05, 2016 22:17:05 0.990	967.13	50.1
Saturday, March 05, 2016 22:22:06 0.990	972.10	50.7
Saturday, March 05, 2016 22:27:06 0.990	977.05	50.9
Saturday, March 05, 2016 22:32:07 0.990	982.01	50.1
Saturday, March 05, 2016 22:37:07 0.990	986.96	50.4
Saturday, March 05, 2016 22:42:08 0.990	991.93	50.5
Saturday, March 05, 2016 22:47:08 0.990	996.88	50.6
Saturday, March 05, 2016 22:52:09 0.990	1001.85	50.1
Saturday, March 05, 2016 22:57:09 0.990	1006.80	50.8
Saturday, March 05, 2016 23:02:10 0.990	1011.77	49.7
Saturday, March 05, 2016 23:07:10 0.990	1016.72	50.7
Saturday, March 05, 2016 23:12:11 0.990	1021.68	50.5
Saturday, March 05, 2016 23:17:11 0.990	1026.63	50.5
Saturday, March 05, 2016 23:22:12 0.990	1031.60	50.7
Saturday, March 05, 2016 23:27:12 0.990	1036.55	50.2
Saturday, March 05, 2016 23:32:13 0.990	1041.51	50.8
Saturday, March 05, 2016 23:37:13 0.990	1046.46	50.5
Saturday, March 05, 2016 23:42:14 0.990	1051.43	50.6
Saturday, March 05, 2016 23:47:14 0.990	1056.38	50.2
Saturday, March 05, 2016 23:52:15 0.990	1061.35	50.5
Saturday, March 05, 2016 23:57:15 0.990	1066.30	50.4
Sunday, March 06, 2016 0:02:16 0.990	1071.26	50.5
Sunday, March 06, 2016 0:07:16 0.990	1076.21	50.2
Sunday, March 06, 2016 0:12:17 0.990	1081.18	49.9
Sunday, March 06, 2016 0:17:17 0.990	1086.13	50.4
Sunday, March 06, 2016 0:22:17 0.990	1091.08	50.0
Sunday, March 06, 2016 0:27:18 0.990	1096.04	49.4
Sunday, March 06, 2016 0:32:18 0.990	1100.99	50.0
Sunday, March 06, 2016 0:37:19 0.990	1105.96	50.5
Sunday, March 06, 2016 0:42:19 0.990	1110.91	50.8
Sunday, March 06, 2016 0:47:20 0.990	1115.88	50.1
Sunday, March 06, 2016 0:52:20 0.990	1120.83	50.2
Sunday, March 06, 2016 0:57:21 0.990	1125.79	50.0
Sunday, March 06, 2016 1:02:21 0.990	1130.74	50.7
Sunday, March 06, 2016 1:07:22 0.990	1135.71	50.8
Sunday, March 06, 2016 1:12:22 0.990	1140.66	50.9
Sunday, March 06, 2016 1:17:22 0.990	1145.61	50.7
Sunday, March 06, 2016 1:22:23 0.990	1150.57	50.8
Sunday, March 06, 2016 1:27:23 0.990	1155.52	50.7
Sunday, March 06, 2016 1:32:24 0.990	1160.49	50.4
Sunday, March 06, 2016 1:37:24 0.990	1165.44	50.0
Sunday, March 06, 2016 1:42:25 0.990	1170.41	49.3
Sunday, March 06, 2016 1:47:25 0.990	1175.35	50.4
Sunday, March 06, 2016 1:52:26 0.990	1180.32	50.2
Sunday, March 06, 2016 1:57:26 0.990	1185.27	50.7
Sunday, March 06, 2016 2:02:27 0.990	1190.24	50.0
Sunday, March 06, 2016 2:07:27 0.990	1195.19	49.9
Sunday, March 06, 2016 2:12:27 0.990	1200.14	50.8
Sunday, March 06, 2016 2:17:28 0.990	1205.10	50.8
Sunday, March 06, 2016 2:22:28 0.990	1210.05	49.1
Sunday, March 06, 2016 2:27:29 0.990	1215.02	50.1
Sunday, March 06, 2016 2:32:29 0.990	1219.97	50.7
Sunday, March 06, 2016 2:37:30 0.990	1224.95	50.0 50.1
Sunday, March 06, 2016 2:42:30 0.990	1229.88	50.1

Sunday, March 06, 2016 2:47:31 0.990	1234.85	50.1
Sunday, March 06, 2016 2:52:31 0.990	1239.80	50.7
Sunday, March 06, 2016 2:57:32 0.990	1244.77	50.5
Sunday, March 06, 2016 3:02:32 0.990	1249.72	50.8
Sunday, March 06, 2016 3:07:32 0.990	1254.67	50.4
Sunday, March 06, 2016 3:12:33 0.990	1259.63	50.2
Sunday, March 06, 2016 3:17:33 0.990	1264.58	49.9
Sunday, March 06, 2016 3:22:34 0.990	1269.55	50.1
Sunday, March 06, 2016 3:27:34 0.990	1274.50	50.1
Sunday, March 06, 2016 3:32:35 0.990	1279.46	50.2
Sunday, March 06, 2016 3:37:35 0.990	1284.41	50.9
Sunday, March 06, 2016 3:42:36 0.990	1289.38	50.4
Sunday, March 06, 2016 3:47:36 0.990	1294.33	50.0
Sunday, March 06, 2016 3:52:36 0.990	1299.28	50.1
Sunday, March 06, 2016 3:57:37 0.990	1304.25	50.5
Sunday, March 06, 2016 4:02:37 0.990	1309.20	50.8
Sunday, March 06, 2016 4:07:38 0.990	1314.16	51.0
Sunday, March 06, 2016 4:12:38 0.990	1319.11	50.1
Sunday, March 06, 2016 4:17:39 0.990	1324.08	50.3
Sunday, March 06, 2016 4:22:39 0.990	1329.03	50.1
Sunday, March 06, 2016 4:27:39 0.990	1333.98	50.7
Sunday, March 06, 2016 4:32:40 0.990	1338.94	50.5
Sunday, March 06, 2016 4:37:40 0.990	1343.89	50.5
Sunday, March 06, 2016 4:42:41 0.990	1348.86	50.1
Sunday, March 06, 2016 4:47:41 0.990	1353.81	50.1
Sunday, March 06, 2016 4:52:42 0.990	1358.78	50.4
Sunday, March 06, 2016 4:57:42 0.990	1363.73	50.4
Sunday, March 06, 2016 5:02:43 0.990	1368.69	50.1
Sunday, March 06, 2016 5:07:43 0.990	1373.64	49.9
Sunday, March 06, 2016 5:12:43 0.990	1378.59	50.2
Sunday, March 06, 2016 5:17:44 0.990	1383.56	50.1
Sunday, March 06, 2016 5:22:44 0.990	1388.51	50.6
Sunday, March 06, 2016 5:27:45 0.990	1393.47	50.9
Sunday, March 06, 2016 5:32:45 0.990	1398.42	50.0
Sunday, March 06, 2016 5:37:46 0.990	1403.39	50.0
Sunday, March 06, 2016 5:42:46 0.990	1408.34	50.6
Sunday, March 06, 2016 5:47:47 0.990	1413.30	50.0
Sunday, March 06, 2016 5:52:47 0.990	1418.25	49.8
Sunday, March 06, 2016 5:57:48 0.990	1423.22	50.2
Sunday, March 06, 2016 6:00:02 0.990	1425.43	50.3

aqms5 formaldehyde001 Ch. 1 Cartridge Started Friday, March 11, 2016 11:30:01 Flow Rate Set Point 1.00 l/min Stopped Friday, March 11, 2016 23:30:21 Total Volume 713.20 liters Total Sample Time 12.00 hours Average Flow Rate 0.991 l/min Minimum Flow Rate 0.991 l/min Maximum Flow Rate 0.991 l/min Pre Start Leak Rate -0.002 l/min Ending Leak Rate -0.002 l/min Flow Controller Zero -0.002 l/min Error Code 0 Error Status OK No Errors

Time	Flow Rate	Volum	e Te	mp
				-
Friday, March 11, 20	016 11:30:28	0.080	0.23	50.3
Friday, March 11, 20	016 11:35:29	0.991	5.20	50.3
Friday, March 11, 20	016 11:40:29	0.991	10.15	49.7
Friday, March 11, 20	016 11:45:30	0.991	15.12	50.5
Friday, March 11, 20	016 11:50:30	0.991	20.08	49.6
Friday, March 11, 20	016 11:55:31	0.991	25.05	50.4
Friday, March 11, 20	016 12:00:31	0.991	30.00	50.1
Friday, March 11, 20	016 12:05:32	0.991	34.97	50.6
Friday, March 11, 20	016 12:10:32	0.991	39.92	50.1
Friday, March 11, 20	016 12:15:33	0.991	44.89	50.4
Friday, March 11, 20	016 12:20:33	0.991	49.85	50.3
Friday, March 11, 20	016 12:25:34	0.991	54.82	50.0
Friday, March 11, 20	016 12:30:34	0.991	59.77	50.9
Friday, March 11, 20	016 12:35:35	0.991	64.74	50.5
Friday, March 11, 20	016 12:40:35	0.991	69.70	50.4
Friday, March 11, 20	016 12:45:36	0.991	74.67	50.6
Friday, March 11, 20	016 12:50:36	0.991	79.62	50.6
Friday, March 11, 20	016 12:55:37	0.991	84.59	50.4
Friday, March 11, 20	016 13:00:38	0.991	89.55	50.8
Friday, March 11, 20	016 13:05:38	0.991	94.52	50.1
Friday, March 11, 20	016 13:10:39	0.991	99.49	50.3
Friday, March 11, 20	016 13:15:39	0.991	104.44	50.4
Friday, March 11, 20	016 13:20:40	0.991	109.41	50.4
Friday, March 11, 20	016 13:25:40	0.991	114.37	50.5
Friday, March 11, 20	016 13:30:41	0.991	119.34	49.9
Friday, March 11, 20	016 13:35:41	0.991	124.29	51.0
Friday, March 11, 20	016 13:40:42	0.991	129.26	50.4
Friday, March 11, 20	016 13:45:43	0.991	134.23	50.9
Friday, March 11, 20	016 13:50:43	0.991	139.19	51.0
Friday, March 11, 20	016 13:55:44	0.991	144.16	50.6
Friday, March 11, 20	016 14:00:44	0.991	149.11	50.4
Friday, March 11, 20	016 14:05:45	0.991	154.08	50.5
Friday, March 11, 20	016 14:10:45	0.991	159.04	50.9

Friday, March 11, 2016 14:15:46 0.991	164.01	50.2
Friday, March 11, 2016 14:20:46 0.991	168.96	50.9
Friday, March 11, 2016 14:25:47 0.991	173.94	50.2
Friday, March 11, 2016 14:30:48 0.991	178.91	50.6
Friday, March 11, 2016 14:35:48 0.991	183.86	50.5
Friday, March 11, 2016 14:40:49 0.991	188.83	50.1
Friday, March 11, 2016 14:45:49 0.991	193.79	50.6
Friday, March 11, 2016 14:50:50 0.991	198.76	50.8
Friday, March 11, 2016 14:55:50 0.991	203.71	50.5
Friday, March 11, 2016 15:00:51 0.991	208.68	49.6
Friday, March 11, 2016 15:05:52 0.991	213.65	50.1
Friday, March 11, 2016 15:10:52 0.991	218.61	50.5
Friday, March 11, 2016 15:15:53 0.991	223.58	50.4
Friday, March 11, 2016 15:20:53 0.991	228.53	50.7
Friday, March 11, 2016 15:25:54 0.991	233.50	50.5
Friday, March 11, 2016 15:30:54 0.991	238.46	50.9
Friday, March 11, 2016 15:35:55 0.991	243.43	50.9
Friday, March 11, 2016 15:40:56 0.991	248.40	50.5
Friday March 11, 2016 15:45:56 0 991	253 36	50.1
Friday March 11, 2016 15:10:00 0.991	258.33	51.0
Friday March 11, 2016 15:55:57 0.991	263.28	50.6
Friday March 11, 2016 16:00:58 0 991	268.25	50.0
Friday, March 11, 2016 16:05:58 0.991	200.23	50.5
Friday, March 11, 2010 10:05:50 0:591 Friday March 11, 2016 16:10:59 0 091	275.21	50.1
Friday, March 11, 2010 10:10:00 0.001	270.10	50.5
Eriday, March 11, 2016 16:10:00 0.991	283.15	50.2
Eriday, March 11, 2016 16:26:01 0.001	203.10	50.1
Friday, March 11, 2010 10.20.01 0.391 Friday March 11, 2016 16:21:01 0.001	293.07	50.1
Friday, March 11, 2016 16:26:02 0 001	298.05	50.7
Friday, March 11, 2016 10.50.02 0.991	207.05	50.2
Friday, March 11, 2016 16:41:02 0.991	307.93	50.7
Friday, March 11, 2016 16:40:03 0.991	312.92 217.00	50.5 50.5
Friday, March 11, 2016 16:51:04 0.991	317.90	50.5
Friday, March 11, 2016 16:56:04 0.991	322.85	50.5
Friday, March 11, 2016 17:01:05 0.991	327.82	50.7
Friday, March 11, 2016 17:06:05 0.991	332.77	50.1
Friday, March 11, 2016 17:11:06 0.991	337.75	50.8
Friday, March 11, 2016 17:16:06 0.991	342.70	50.0
Friday, March 11, 2016 17:21:07 0.991	347.67	51.0
Friday, March 11, 2016 17:26:08 0.991	352.64	50.2
Friday, March 11, 2016 17:31:08 0.991	357.60	50.1
Friday, March 11, 2016 17:36:09 0.991	362.57	50.5
Friday, March 11, 2016 17:41:09 0.991	367.52	50.2
Friday, March 11, 2016 17:46:10 0.991	372.49	50.5
Friday, March 11, 2016 17:51:10 0.991	377.45	50.4
Friday, March 11, 2016 17:56:11 0.991	382.42	50.6
Friday, March 11, 2016 18:01:12 0.991	387.39	50.9
Friday, March 11, 2016 18:06:12 0.991	392.34	50.4
Friday, March 11, 2016 18:11:13 0.991	397.31	50.7
Friday, March 11, 2016 18:16:13 0.991	402.27	50.9
Friday, March 11, 2016 18:21:14 0.991	407.24	50.6
Friday, March 11, 2016 18:26:14 0.991	412.19	50.2
Friday, March 11, 2016 18:31:15 0.991	417.16	50.9
Friday, March 11, 2016 18:36:16 0.991	422.14	50.0
Friday, March 11, 2016 18:41:16 0.991	427.09	50.4
-		

Friday, March 11, 2016 18:46:17 0.991 432.06 50.1 Friday, March 11, 2016 18:50:18 0.991 441.99 50.9 Friday, March 11, 2016 19:00:18 0.991 446.94 50.1 Friday, March 11, 2016 19:01:18 0.991 456.87 50.2 Friday, March 11, 2016 19:21:20 0.991 466.79 50.2 Friday, March 11, 2016 19:21:20 0.991 466.79 50.2 Friday, March 11, 2016 19:21:20 0.991 476.72 49.8 Friday, March 11, 2016 19:36:22 0.991 481.69 50.9 Friday, March 11, 2016 19:41:22 0.991 486.64 50.7 Friday, March 11, 2016 19:51:23 0.991 496.57 50.6 Friday, March 11, 2016 19:51:23 0.991 491.61 50.4 Friday, March 11, 2016 20:01:25 0.991 501.54 50.4 Friday, March 11, 2016 20:01:25 0.991 501.54 50.4 Friday, March 11, 2016 20:01:25 0.991 516.43 51.0 Friday, March 11, 2016 20:26:27 0.991 536.28 50.3 Friday, March 11, 2016 20:26:27 0.991 536.28 50.8 Friday, March 11, 2016 20:36:28 0.991 541.24 50.5 Friday, March 11, 2016 20:26:30 0.991 546.21 50	Friday, March 11, 2016 18:46:17 0.99143Friday, March 11, 2016 18:51:17 0.99143Friday, March 11, 2016 18:56:18 0.99144Friday, March 11, 2016 19:01:18 0.99144Friday, March 11, 2016 19:06:19 0.99145Friday, March 11, 2016 19:06:19 0.99145Friday, March 11, 2016 19:11:19 0.99145Friday, March 11, 2016 19:16:20 0.99146Friday, March 11, 2016 19:26:21 0.99146Friday, March 11, 2016 19:26:21 0.99147Friday, March 11, 2016 19:36:22 0.99147Friday, March 11, 2016 19:36:22 0.99148Friday, March 11, 2016 19:41:22 0.99148Friday, March 11, 2016 19:41:22 0.99149Friday, March 11, 2016 19:45:23 0.99149Friday, March 11, 2016 19:51:23 0.99149	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	60.1 50.4 50.9 50.1 50.1 50.2 51.0 50.2 50.3 50.4 50.5 59.8 50.9 50.7 50.4 50.6 50.7 50.4 50.6
Friday, March 11, 2016 18:51:17 0.991437.0150.9Friday, March 11, 2016 18:56:18 0.991441.9950.9Friday, March 11, 2016 19:01:18 0.991451.9150.1Friday, March 11, 2016 19:11:19 0.991456.8750.2Friday, March 11, 2016 19:21:20 0.991466.7950.2Friday, March 11, 2016 19:21:20 0.991466.7950.2Friday, March 11, 2016 19:21:20 0.991471.7650.5Friday, March 11, 2016 19:31:21 0.991476.7249.8Friday, March 11, 2016 19:36:22 0.991481.6950.9Friday, March 11, 2016 19:41:22 0.991486.6450.7Friday, March 11, 2016 19:45:23 0.991491.6150.4Friday, March 11, 2016 19:56:24 0.991501.5450.4Friday, March 11, 2016 20:01:25 0.991506.5150.5Friday, March 11, 2016 20:01:25 0.991501.6451.0Friday, March 11, 2016 20:01:26 0.991521.3949.9Friday, March 11, 2016 20:26:27 0.991531.3150.5Friday, March 11, 2016 20:26:27 0.991536.2850.8Friday, March 11, 2016 20:31:28 0.991536.2850.8Friday, March 11, 2016 20:36:28 0.991546.2150.6Friday, March 11, 2016 20:56:30 0.991556.1350.9Friday, March 11, 2016 21:01:31 0.991556.6050.3Friday, March 11, 2016 21:01:31 0.991556.1350.9Friday, March 11, 2016 21:06:32 0.991571.0350.6Friday, March 11, 2016 21:06:32 0.991571.9950.4Friday, March 11, 2016 21:01:31 0.991<	Friday, March 11, 2016 18:51:17 0.99143Friday, March 11, 2016 18:56:18 0.99144Friday, March 11, 2016 19:01:18 0.99144Friday, March 11, 2016 19:06:19 0.99145Friday, March 11, 2016 19:11:19 0.99145Friday, March 11, 2016 19:16:20 0.99146Friday, March 11, 2016 19:16:20 0.99146Friday, March 11, 2016 19:21:20 0.99146Friday, March 11, 2016 19:26:21 0.99147Friday, March 11, 2016 19:36:22 0.99147Friday, March 11, 2016 19:36:22 0.99148Friday, March 11, 2016 19:41:22 0.99148Friday, March 11, 2016 19:41:22 0.99149Friday, March 11, 2016 19:46:23 0.99149Friday, March 11, 2016 19:51:23 0.99149	$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$	60.4 50.9 50.1 50.1 50.2 51.0 50.2 50.5 59.8 50.9 50.7 50.4 50.6 50.7 50.4 50.6
Friday, March 11, 2016 18:56:18 0.991441.9950.9Friday, March 11, 2016 19:01:18 0.991446.9450.1Friday, March 11, 2016 19:01:19 0.991456.8750.2Friday, March 11, 2016 19:21:20 0.991466.7950.2Friday, March 11, 2016 19:26:21 0.991471.7650.5Friday, March 11, 2016 19:36:22 0.991481.6950.9Friday, March 11, 2016 19:36:22 0.991486.6450.7Friday, March 11, 2016 19:36:22 0.991486.6450.7Friday, March 11, 2016 19:46:23 0.991496.5750.6Friday, March 11, 2016 19:51:23 0.991496.5750.6Friday, March 11, 2016 20:06:25 0.991501.5450.4Friday, March 11, 2016 20:06:25 0.991501.5450.5Friday, March 11, 2016 20:06:25 0.991511.4650.6Friday, March 11, 2016 20:12:62 0.991516.4351.0Friday, March 11, 2016 20:21:27 0.991536.2850.3Friday, March 11, 2016 20:31:28 0.991536.2850.8Friday, March 11, 2016 20:36:28 0.991541.2450.5Friday, March 11, 2016 20:36:28 0.991541.2450.5Friday, March 11, 2016 20:36:28 0.991541.2450.5Friday, March 11, 2016 20:36:28 0.991561.3050.9Friday, March 11, 2016 20:36:30 0.991561.3050.9Friday, March 11, 2016 21:01:31 0.991566.0650.8Friday, March 11, 2016 21:13:20 0.991571.0350.6Friday, March 11, 2016 21:26:30 0.991561.3050.7Friday, March 11, 2016 21:31:30 0.991<	Friday, March 11, 2016 18:56:18 0.99144Friday, March 11, 2016 19:01:18 0.99144Friday, March 11, 2016 19:06:19 0.99145Friday, March 11, 2016 19:11:19 0.99145Friday, March 11, 2016 19:11:19 0.99145Friday, March 11, 2016 19:16:20 0.99146Friday, March 11, 2016 19:21:20 0.99146Friday, March 11, 2016 19:26:21 0.99147Friday, March 11, 2016 19:36:22 0.99147Friday, March 11, 2016 19:36:22 0.99148Friday, March 11, 2016 19:41:22 0.99148Friday, March 11, 2016 19:41:22 0.99149Friday, March 11, 2016 19:51:23 0.99149	$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$	60.9 50.1 50.2 51.0 50.2 50.3 50.4 50.7 50.4 50.6 50.4 50.6
Friday, March 11, 2016 19:01:18 0.991446.9450.1Friday, March 11, 2016 19:06:19 0.991451.8750.2Friday, March 11, 2016 19:16:20 0.991466.7950.2Friday, March 11, 2016 19:26:21 0.991466.7950.2Friday, March 11, 2016 19:26:21 0.991476.7249.8Friday, March 11, 2016 19:36:22 0.991486.6450.7Friday, March 11, 2016 19:36:22 0.991486.6450.7Friday, March 11, 2016 19:46:23 0.991496.5750.6Friday, March 11, 2016 19:51:23 0.991496.5750.6Friday, March 11, 2016 19:56:24 0.991501.5450.4Friday, March 11, 2016 20:01:25 0.991506.5150.5Friday, March 11, 2016 20:01:25 0.991511.4650.6Friday, March 11, 2016 20:01:26 0.991511.3450.6Friday, March 11, 2016 20:12:27 0.991526.3650.3Friday, March 11, 2016 20:26:27 0.991531.3150.5Friday, March 11, 2016 20:31:28 0.991536.2850.8Friday, March 11, 2016 20:46:29 0.991551.1650.6Friday, March 11, 2016 20:51:30 0.991556.1350.9Friday, March 11, 2016 20:56:30 0.991551.1650.6Friday, March 11, 2016 21:13:13 0.991556.1350.9Friday, March 11, 2016 21:26:30 0.991575.9950.4Friday, March 11, 2016 21:26:30 0.991<	Friday, March 11, 2016 19:01:18 0.99144Friday, March 11, 2016 19:06:19 0.99145Friday, March 11, 2016 19:11:19 0.99145Friday, March 11, 2016 19:16:20 0.99146Friday, March 11, 2016 19:21:20 0.99146Friday, March 11, 2016 19:26:21 0.99147Friday, March 11, 2016 19:31:21 0.99147Friday, March 11, 2016 19:36:22 0.99148Friday, March 11, 2016 19:36:22 0.99148Friday, March 11, 2016 19:41:22 0.99149Friday, March 11, 2016 19:45:23 0.99149	$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$	60.1 50.2 51.0 50.2 50.2 50.5 49.8 50.9 50.7 50.4 50.6 50.6
Friday, March 11, 2016 19:06:19 0.991451.9150.1Friday, March 11, 2016 19:11:19 0.991456.8750.2Friday, March 11, 2016 19:21:20 0.991466.7950.2Friday, March 11, 2016 19:26:21 0.991476.7249.8Friday, March 11, 2016 19:31:21 0.991476.7249.8Friday, March 11, 2016 19:36:22 0.991481.6950.9Friday, March 11, 2016 19:41:22 0.991486.6450.7Friday, March 11, 2016 19:51:23 0.991496.5750.6Friday, March 11, 2016 19:56:24 0.991501.5450.4Friday, March 11, 2016 20:01:25 0.991501.5450.4Friday, March 11, 2016 20:01:26 0.991511.4650.6Friday, March 11, 2016 20:11:26 0.991511.4650.6Friday, March 11, 2016 20:21:27 0.991526.3650.3Friday, March 11, 2016 20:21:27 0.991536.2850.8Friday, March 11, 2016 20:31:28 0.991536.2850.8Friday, March 11, 2016 20:31:28 0.991551.1650.6Friday, March 11, 2016 20:46:29 0.991551.1650.6Friday, March 11, 2016 20:46:29 0.991551.1650.6Friday, March 11, 2016 21:06:32 0.991556.1350.9Friday, March 11, 2016 21:01:31 0.991566.0650.8Friday, March 11, 2016 21:11:32 0.991575.9950.4Friday, March 11, 2016 21:11:32 0.991575.9950.4Friday, March 11, 2016 21:11:32 0.991590.8850.0Friday, March 11, 2016 21:26:34 0.991590.8850.7Friday, March 11, 2016 21:13:30 0.991<	Friday, March 11, 2016 19:06:19 0.99145Friday, March 11, 2016 19:11:19 0.99145Friday, March 11, 2016 19:16:20 0.99146Friday, March 11, 2016 19:21:20 0.99146Friday, March 11, 2016 19:26:21 0.99147Friday, March 11, 2016 19:31:21 0.99147Friday, March 11, 2016 19:36:22 0.99148Friday, March 11, 2016 19:41:22 0.99148Friday, March 11, 2016 19:46:23 0.99149Friday, March 11, 2016 19:46:23 0.99149	$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$	60.1 50.2 51.0 50.2 50.5 59.8 50.9 50.7 50.4 50.6 50.7
Friday, March 11, 2016 19:11:19 0.991456.8750.2Friday, March 11, 2016 19:21:20 0.991461.8451.0Friday, March 11, 2016 19:21:20 0.991471.7650.5Friday, March 11, 2016 19:31:21 0.991477.67249.8Friday, March 11, 2016 19:36:22 0.991481.6950.9Friday, March 11, 2016 19:41:22 0.991486.6450.7Friday, March 11, 2016 19:51:23 0.991490.5750.6Friday, March 11, 2016 19:51:23 0.991490.5750.6Friday, March 11, 2016 19:51:23 0.991506.5150.5Friday, March 11, 2016 20:01:25 0.991501.5450.4Friday, March 11, 2016 20:01:25 0.991516.4351.0Friday, March 11, 2016 20:21:27 0.991526.3650.3Friday, March 11, 2016 20:21:27 0.991526.3650.3Friday, March 11, 2016 20:31:28 0.991536.2850.8Friday, March 11, 2016 20:31:28 0.991546.2150.6Friday, March 11, 2016 20:31:30 0.991556.1350.9Friday, March 11, 2016 20:51:30 0.991556.1350.9Friday, March 11, 2016 21:01:31 0.991566.0650.8Friday, March 11, 2016 21:01:31 0.991566.0650.8Friday, March 11, 2016 21:01:31 0.991580.9650.1Friday, March 11, 2016 21:13:30 0.991580.9650.1Friday, March 11, 2016 21:21:33 0.991580.9650.7Friday, March 11, 2016 21:21:33 0.991505.8450.9Friday, March 11, 2016 21:21:33 0.991505.6450.8Friday, March 11, 2016 21:31:34 0.991	Friday, March 11, 2016 19:11:19 0.99145Friday, March 11, 2016 19:16:20 0.99146Friday, March 11, 2016 19:21:20 0.99146Friday, March 11, 2016 19:26:21 0.99147Friday, March 11, 2016 19:31:21 0.99147Friday, March 11, 2016 19:36:22 0.99148Friday, March 11, 2016 19:41:22 0.99148Friday, March 11, 2016 19:41:22 0.99148Friday, March 11, 2016 19:41:22 0.99149Friday, March 11, 2016 19:46:23 0.99149	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	50.2 51.0 50.2 50.5 19.8 50.9 50.7 50.4 50.4 50.6 50.4
Friday, March 11, 2016 19:16:20 0.991461.8451.0Friday, March 11, 2016 19:21:20 0.991466.7950.2Friday, March 11, 2016 19:26:21 0.991476.7249.8Friday, March 11, 2016 19:31:21 0.991476.7249.8Friday, March 11, 2016 19:41:22 0.991486.6450.7Friday, March 11, 2016 19:41:22 0.991486.6450.7Friday, March 11, 2016 19:51:23 0.991496.5750.6Friday, March 11, 2016 20:01:25 0.991501.5450.4Friday, March 11, 2016 20:01:25 0.991501.5450.4Friday, March 11, 2016 20:01:25 0.991506.5150.5Friday, March 11, 2016 20:16:26 0.991516.4351.0Friday, March 11, 2016 20:16:26 0.991521.3949.9Friday, March 11, 2016 20:21:27 0.991536.2850.3Friday, March 11, 2016 20:31:28 0.991536.2850.8Friday, March 11, 2016 20:31:28 0.991546.2150.6Friday, March 11, 2016 20:46:29 0.991551.1650.6Friday, March 11, 2016 20:51:30 0.991566.1350.9Friday, March 11, 2016 21:01:31 0.991566.0650.8Friday, March 11, 2016 21:11:32 0.991571.0350.6Friday, March 11, 2016 21:21:33 0.991585.9150.7Friday, March 11, 2016 21:21:33 0.991585.8150.7Friday, March 11, 2016 21:21:33 0.991585.8150.7Friday, March 11, 2016 21:26:34 0.991595.8450.9Friday, March 11, 2016 21:26:37 0.991605.7650.7Friday, March 11, 2016 21:26:37 0.991<	Friday, March 11, 2016 19:16:20 0.99146Friday, March 11, 2016 19:21:20 0.99146Friday, March 11, 2016 19:26:21 0.99147Friday, March 11, 2016 19:31:21 0.99147Friday, March 11, 2016 19:36:22 0.99148Friday, March 11, 2016 19:41:22 0.99148Friday, March 11, 2016 19:41:22 0.99149Friday, March 11, 2016 19:51:23 0.99149	$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$	51.0 50.2 50.5 50.5 50.9 50.9 50.7 50.4 50.6 50.4
Friday, March 11, 2016 19:21:20 0.991466.7950.2Friday, March 11, 2016 19:26:21 0.991471.7650.5Friday, March 11, 2016 19:31:21 0.991476.7249.8Friday, March 11, 2016 19:41:22 0.991486.6450.7Friday, March 11, 2016 19:41:22 0.991486.6450.7Friday, March 11, 2016 19:46:23 0.991491.6150.4Friday, March 11, 2016 19:51:23 0.991496.5750.6Friday, March 11, 2016 20:01:25 0.991501.5450.4Friday, March 11, 2016 20:01:25 0.991506.5150.5Friday, March 11, 2016 20:11:26 0.991516.4351.0Friday, March 11, 2016 20:21:27 0.991526.3650.3Friday, March 11, 2016 20:21:27 0.991526.3650.3Friday, March 11, 2016 20:31:28 0.991531.3150.5Friday, March 11, 2016 20:31:28 0.991541.2450.5Friday, March 11, 2016 20:41:29 0.991551.1650.6Friday, March 11, 2016 20:51:30 0.991551.6150.6Friday, March 11, 2016 21:51:30 0.991556.1350.9Friday, March 11, 2016 21:13:30 0.991566.0650.8Friday, March 11, 2016 21:21:33 0.991575.9950.4Friday, March 11, 2016 21:21:33 0.991595.8450.9Friday, March 11, 2016 21:26:34 0.991590.8850.0Friday, March 11, 2016 21:26:37 0.991605.7650.7Friday, March 11, 2016 21:26:37 0.991605.7650.7Friday, March 11, 2016 21:26:37 0.991605.7650.7Friday, March 11, 2016 21:31:34 0.991<	Friday, March 11, 2016 19:21:20 0.99146Friday, March 11, 2016 19:26:21 0.99147Friday, March 11, 2016 19:31:21 0.99147Friday, March 11, 2016 19:36:22 0.99148Friday, March 11, 2016 19:41:22 0.99148Friday, March 11, 2016 19:41:22 0.99149Friday, March 11, 2016 19:51:23 0.99149	$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$	50.2 50.5 59.8 50.9 50.7 50.4 50.6 50.4
Friday, March 11, 2016 19:26:21 0.991471.7650.5Friday, March 11, 2016 19:31:21 0.991476.7249.8Friday, March 11, 2016 19:36:22 0.991481.6950.9Friday, March 11, 2016 19:41:22 0.991486.6450.7Friday, March 11, 2016 19:56:24 0.99191.6150.4Friday, March 11, 2016 19:56:24 0.991501.5450.4Friday, March 11, 2016 20:01:25 0.991506.5150.5Friday, March 11, 2016 20:01:25 0.991516.4351.0Friday, March 11, 2016 20:11:26 0.991521.3949.9Friday, March 11, 2016 20:21:27 0.991526.3650.3Friday, March 11, 2016 20:26:27 0.991536.2850.8Friday, March 11, 2016 20:36:28 0.991541.2450.5Friday, March 11, 2016 20:36:28 0.991546.2150.6Friday, March 11, 2016 20:36:28 0.991551.1650.6Friday, March 11, 2016 20:56:30 0.991556.1350.9Friday, March 11, 2016 20:56:30 0.991556.1350.9Friday, March 11, 2016 21:01:31 0.991566.0650.8Friday, March 11, 2016 21:01:32 0.991575.9950.4Friday, March 11, 2016 21:11:32 0.991575.9950.4Friday, March 11, 2016 21:11:32 0.991575.9950.4Friday, March 11, 2016 21:11:32 0.991575.9950.7Friday, March 11, 2016 21:21:33 0.991585.9150.7Friday, March 11, 2016 21:31:34 0.991605.7650.7Friday, March 11, 2016 21:31:34 0.991605.7650.7Friday, March 11, 2016 21:46:36 0.991 </td <td>Friday, March 11, 2016 19:26:21 0.99147Friday, March 11, 2016 19:31:21 0.99147Friday, March 11, 2016 19:36:22 0.99148Friday, March 11, 2016 19:41:22 0.99148Friday, March 11, 2016 19:46:23 0.99149Friday, March 11, 2016 19:51:23 0.99149</td> <td>$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$</td> <td>50.5 19.8 50.9 50.7 50.4 50.6 50.6</td>	Friday, March 11, 2016 19:26:21 0.99147Friday, March 11, 2016 19:31:21 0.99147Friday, March 11, 2016 19:36:22 0.99148Friday, March 11, 2016 19:41:22 0.99148Friday, March 11, 2016 19:46:23 0.99149Friday, March 11, 2016 19:51:23 0.99149	$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$	50.5 19.8 50.9 50.7 50.4 50.6 50.6
Friday, March 11, 2016 19:31:21 0.991476.7249.8Friday, March 11, 2016 19:36:22 0.991481.6950.9Friday, March 11, 2016 19:41:22 0.991486.6450.7Friday, March 11, 2016 19:46:23 0.991491.6150.4Friday, March 11, 2016 19:56:24 0.991501.5450.4Friday, March 11, 2016 20:01:25 0.991506.5150.5Friday, March 11, 2016 20:01:25 0.991516.4351.0Friday, March 11, 2016 20:11:26 0.991516.4351.0Friday, March 11, 2016 20:21:27 0.991526.3650.3Friday, March 11, 2016 20:31:28 0.991536.2850.8Friday, March 11, 2016 20:36:28 0.991546.2150.6Friday, March 11, 2016 20:36:28 0.991546.2150.6Friday, March 11, 2016 20:36:28 0.991551.1650.6Friday, March 11, 2016 20:36:28 0.991551.1650.6Friday, March 11, 2016 20:56:30 0.991556.1350.9Friday, March 11, 2016 21:01:31 0.991566.0650.8Friday, March 11, 2016 21:11:32 0.991575.9950.4Friday, March 11, 2016 21:16:33 0.991585.9150.7Friday, March 11, 2016 21:26:34 0.991598.8450.9Friday, March 11, 2016 21:26:34 0.991598.8450.9Friday, March 11, 2016 21:26:37 0.991600.8150.8Friday, March 11, 2016 21:26:37 0.991600.8150.6Friday, March 11, 2016 21:51:36 0.991610.7350.6Friday, March 11, 2016 22:26:40 0.991615.6950.5Friday, March 11, 2016 22:16:37 0.991<	Friday, March 11, 2016 19:31:21 0.99147Friday, March 11, 2016 19:36:22 0.99148Friday, March 11, 2016 19:41:22 0.99148Friday, March 11, 2016 19:46:23 0.99149Friday, March 11, 2016 19:51:23 0.99149	6.72 4 1.69 5 6.64 5 1.61 5 6.57 5 1.54 5 6.51 5 1.46 5	9.8 50.9 50.7 50.4 50.6 50.4
Friday, March 11, 2016 19:36:22 0.991481.6950.9Friday, March 11, 2016 19:41:22 0.991486.6450.7Friday, March 11, 2016 19:56:24 0.991501.5450.4Friday, March 11, 2016 19:56:24 0.991501.5450.4Friday, March 11, 2016 20:01:25 0.991506.5150.5Friday, March 11, 2016 20:01:25 0.991511.4650.6Friday, March 11, 2016 20:11:26 0.991516.4351.0Friday, March 11, 2016 20:11:26 0.991526.3650.3Friday, March 11, 2016 20:21:27 0.991526.3650.3Friday, March 11, 2016 20:26:27 0.991531.3150.5Friday, March 11, 2016 20:31:28 0.991541.2450.5Friday, March 11, 2016 20:31:28 0.991541.2450.6Friday, March 11, 2016 20:51:30 0.991556.1350.9Friday, March 11, 2016 20:51:30 0.991556.1350.9Friday, March 11, 2016 20:51:30 0.991556.1350.6Friday, March 11, 2016 21:06:32 0.991571.0350.6Friday, March 11, 2016 21:11:32 0.991575.9950.4Friday, March 11, 2016 21:26:34 0.991588.9150.7Friday, March 11, 2016 21:30:30590.8850.0Friday, March 11, 2016 21:36:35 0.991605.7650.7Friday, March 11, 2016 21:36:35 0.991605.7650.7Friday, March 11, 2016 21:36:37 0.991595.8450.9Friday, March 11, 2016 21:36:37 0.991635.5450.8Friday, March 11, 2016 22:16:39 0.991640.5150.3Friday, March 11, 2016 22:16:39 0.991 <t< td=""><td>Friday, March 11, 2016 19:36:22 0.99148Friday, March 11, 2016 19:41:22 0.99148Friday, March 11, 2016 19:46:23 0.99149Friday, March 11, 2016 19:51:23 0.99149</td><td>1.69 5 6.64 5 1.61 5 6.57 5 1.54 5 6.51 5 1.46 5</td><td>50.9 50.7 50.4 50.6</td></t<>	Friday, March 11, 2016 19:36:22 0.99148Friday, March 11, 2016 19:41:22 0.99148Friday, March 11, 2016 19:46:23 0.99149Friday, March 11, 2016 19:51:23 0.99149	1.69 5 6.64 5 1.61 5 6.57 5 1.54 5 6.51 5 1.46 5	50.9 50.7 50.4 50.6
Friday, March 11, 2016 19:41:22 0.991486.6450.7Friday, March 11, 2016 19:46:23 0.991491.6150.4Friday, March 11, 2016 19:56:24 0.991501.5450.4Friday, March 11, 2016 20:01:25 0.991506.5150.5Friday, March 11, 2016 20:06:25 0.991511.4650.6Friday, March 11, 2016 20:11:26 0.991516.4351.0Friday, March 11, 2016 20:21:27 0.991526.3650.3Friday, March 11, 2016 20:21:27 0.991536.2850.8Friday, March 11, 2016 20:31:28 0.991541.2450.5Friday, March 11, 2016 20:36:28 0.991541.2450.5Friday, March 11, 2016 20:36:28 0.991541.2450.5Friday, March 11, 2016 20:46:29 0.991546.2150.6Friday, March 11, 2016 20:51:30 0.991556.1350.9Friday, March 11, 2016 20:56:30 0.991556.1350.9Friday, March 11, 2016 21:01:31 0.991566.0650.8Friday, March 11, 2016 21:16:33 0.991561.0950.3Friday, March 11, 2016 21:16:33 0.991575.9950.4Friday, March 11, 2016 21:26:34 0.991590.8850.0Friday, March 11, 2016 21:26:34 0.991590.8850.0Friday, March 11, 2016 21:26:34 0.991595.8450.9Friday, March 11, 2016 21:36:35 0.991600.8150.8Friday, March 11, 2016 21:36:37 0.991605.7650.7Friday, March 11, 2016 21:36:37 0.991605.7650.7Friday, March 11, 2016 22:06:38 0.991610.7350.6Friday, March 11, 2016 22:16:39 0.991<	Friday, March 11, 2016 19:41:22 0.99148Friday, March 11, 2016 19:46:23 0.99149Friday, March 11, 2016 19:51:23 0.99149	6.64 5 1.61 5 6.57 5 1.54 5 6.51 5 1.46 5	50.7 50.4 50.6
Friday, March 11, 2016 19:46:23 0.991491.6150.4Friday, March 11, 2016 19:51:23 0.991496.5750.6Friday, March 11, 2016 20:01:25 0.991501.5450.4Friday, March 11, 2016 20:01:25 0.991506.5150.5Friday, March 11, 2016 20:01:25 0.991511.4650.6Friday, March 11, 2016 20:11:26 0.991516.4351.0Friday, March 11, 2016 20:21:27 0.991526.3650.3Friday, March 11, 2016 20:26:27 0.991531.3150.5Friday, March 11, 2016 20:36:28 0.991541.2450.5Friday, March 11, 2016 20:36:28 0.991546.2150.6Friday, March 11, 2016 20:46:29 0.991546.2150.6Friday, March 11, 2016 20:56:30 0.991556.1350.9Friday, March 11, 2016 20:56:30 0.991556.1350.9Friday, March 11, 2016 21:06:32 0.991571.0350.6Friday, March 11, 2016 21:13:13 0.991566.0650.8Friday, March 11, 2016 21:21:33 0.991585.9150.7Friday, March 11, 2016 21:21:33 0.991595.8450.9Friday, March 11, 2016 21:21:33 0.991595.8450.9Friday, March 11, 2016 21:21:33 0.991595.8450.9Friday, March 11, 2016 21:26:34 0.991600.8150.8Friday, March 11, 2016 21:26:37 0.991605.7650.7Friday, March 11, 2016 21:26:37 0.991605.7650.7Friday, March 11, 2016 21:36:35 0.991610.7350.6Friday, March 11, 2016 22:01:37 0.991635.5450.8Friday, March 11, 2016 22:16:39 0.991<	Friday, March 11, 2016 19:46:23 0.99149Friday, March 11, 2016 19:51:23 0.99149	1.61 5 6.57 5 1.54 5 6.51 5 1.46 5	50.4 50.6
Friday, March 11, 2016 19:51:23 0.991496.5750.6Friday, March 11, 2016 19:56:24 0.991501.5450.4Friday, March 11, 2016 20:01:25 0.991506.5150.5Friday, March 11, 2016 20:11:26 0.991516.4351.0Friday, March 11, 2016 20:16:26 0.991521.3949.9Friday, March 11, 2016 20:21:27 0.991526.3650.3Friday, March 11, 2016 20:26:27 0.991531.3150.5Friday, March 11, 2016 20:31:28 0.991536.2850.8Friday, March 11, 2016 20:36:28 0.991541.2450.5Friday, March 11, 2016 20:46:29 0.991546.2150.6Friday, March 11, 2016 20:46:29 0.991556.1350.9Friday, March 11, 2016 20:51:30 0.991556.1350.9Friday, March 11, 2016 20:56:30 0.991561.0950.3Friday, March 11, 2016 21:06:32 0.991571.0350.6Friday, March 11, 2016 21:11:32 0.991575.9950.4Friday, March 11, 2016 21:21:33 0.991585.9150.7Friday, March 11, 2016 21:26:34 0.991590.8850.0Friday, March 11, 2016 21:31:34 0.991595.8450.9Friday, March 11, 2016 21:56:37 0.991600.8150.8Friday, March 11, 2016 21:51:36 0.991610.7350.6Friday, March 11, 2016 21:51:36 0.991610.7350.6Friday, March 11, 2016 22:06:38 0.991630.5850.0Friday, March 11, 2016 22:06:38 0.991630.5850.0Friday, March 11, 2016 22:06:38 0.991630.5850.5Friday, March 11, 2016 22:16:39 0.991<	Friday, March 11, 2016 19:51:23 0.991 49	6.57 5 1.54 5 6.51 5 1.46 5	50.6 50.4
Friday, March 11, 2016 19:56:24 0.991501.5450.4Friday, March 11, 2016 20:01:25 0.991506.5150.5Friday, March 11, 2016 20:01:26 0.991511.4650.6Friday, March 11, 2016 20:11:26 0.991516.4351.0Friday, March 11, 2016 20:21:27 0.991526.3650.3Friday, March 11, 2016 20:26:27 0.991531.3150.5Friday, March 11, 2016 20:31:28 0.991536.2850.8Friday, March 11, 2016 20:36:28 0.991541.2450.6Friday, March 11, 2016 20:36:28 0.991546.2150.6Friday, March 11, 2016 20:51:30 0.991556.1350.9Friday, March 11, 2016 20:56:30 0.991556.1350.9Friday, March 11, 2016 21:06:32 0.991556.1350.9Friday, March 11, 2016 21:06:32 0.991571.0350.6Friday, March 11, 2016 21:13:10.991566.0650.8Friday, March 11, 2016 21:21:33 0.991575.9950.4Friday, March 11, 2016 21:21:33 0.991585.9150.7Friday, March 11, 2016 21:21:33 0.991585.9150.7Friday, March 11, 2016 21:26:34 0.991595.8450.9Friday, March 11, 2016 21:31:34 0.991595.8450.9Friday, March 11, 2016 21:31:37 0.991605.7650.7Friday, March 11, 2016 22:01:37 0.991625.6150.6Friday, March 11, 2016 22:13:30 0.991640.5150.3Friday, March 11, 2016 22:13:30 0.991640.5150.3Friday, March 11, 2016 22:13:37 0.991625.6450.6Friday, March 11, 2016 22:13:37 0.991 <td></td> <td>1.54 5 6.51 5 1.46 5</td> <td>0 4</td>		1.54 5 6.51 5 1.46 5	0 4
Friday, March 11, 2016 20:01:25 0.991506.5150.5Friday, March 11, 2016 20:06:25 0.991511.4650.6Friday, March 11, 2016 20:11:26 0.991516.4351.0Friday, March 11, 2016 20:21:27 0.991526.3650.3Friday, March 11, 2016 20:21:27 0.991536.2850.8Friday, March 11, 2016 20:31:28 0.991536.2850.8Friday, March 11, 2016 20:31:28 0.991546.2150.6Friday, March 11, 2016 20:41:29 0.991546.2150.6Friday, March 11, 2016 20:41:29 0.991546.2150.6Friday, March 11, 2016 20:51:30 0.991556.1350.9Friday, March 11, 2016 20:51:30 0.991566.0650.8Friday, March 11, 2016 21:01:31 0.991566.0650.8Friday, March 11, 2016 21:06:32 0.991571.0350.6Friday, March 11, 2016 21:21:33 0.991575.9950.4Friday, March 11, 2016 21:21:33 0.991580.9650.1Friday, March 11, 2016 21:31:34 0.991590.8850.0Friday, March 11, 2016 21:31:34 0.991595.8450.9Friday, March 11, 2016 21:31:34 0.991505.7650.7Friday, March 11, 2016 21:26:37 0.991600.8150.8Friday, March 11, 2016 22:01:37 0.991625.6150.6Friday, March 11, 2016 22:01:37 0.991635.5450.8Friday, March 11, 2016 22:11:38 0.991635.5450.8Friday, March 11, 2016 22:11:38 0.991635.5450.8Friday, March 11, 2016 22:11:38 0.991635.5450.4Friday, March 11, 2016 22:14:0991	Friday, March 11, 2016 19:56:24 0.991 50	6.51 5 1.46 5	v u. +
Friday, March 11, 2016 20:06:25 0.991511.4650.6Friday, March 11, 2016 20:11:26 0.991516.4351.0Friday, March 11, 2016 20:16:26 0.991521.3949.9Friday, March 11, 2016 20:21:27 0.991526.3650.3Friday, March 11, 2016 20:26:27 0.991531.3150.5Friday, March 11, 2016 20:31:28 0.991536.2850.8Friday, March 11, 2016 20:36:28 0.991541.2450.5Friday, March 11, 2016 20:41:29 0.991546.2150.6Friday, March 11, 2016 20:46:29 0.991551.1650.6Friday, March 11, 2016 20:51:30 0.991556.1350.9Friday, March 11, 2016 21:01:31 0.991566.0650.8Friday, March 11, 2016 21:01:31 0.991566.0650.8Friday, March 11, 2016 21:11:32 0.991575.9950.4Friday, March 11, 2016 21:21:33 0.991585.9150.7Friday, March 11, 2016 21:31:34 0.991595.8450.9Friday, March 11, 2016 21:31:34 0.991595.8450.9Friday, March 11, 2016 21:31:34 0.991595.8450.9Friday, March 11, 2016 21:31:34 0.991505.7650.7Friday, March 11, 2016 21:31:34 0.991605.7650.7Friday, March 11, 2016 21:31:36 0.991610.7350.6Friday, March 11, 2016 22:01:37 0.991625.6150.6Friday, March 11, 2016 22:01:37 0.991625.6150.6Friday, March 11, 2016 22:11:38 0.991635.5450.8Friday, March 11, 2016 22:21:40 0.991645.4850.6Friday, March 11, 2016 22:21:40 0.991<	Friday, March 11, 2016 20:01:25 0.991 50	1.46 5	0.5
Friday, March 11, 2016 20:11:26 0.991516.4351.0Friday, March 11, 2016 20:16:26 0.991521.3949.9Friday, March 11, 2016 20:21:27 0.991526.3650.3Friday, March 11, 2016 20:26:27 0.991531.3150.5Friday, March 11, 2016 20:31:28 0.991536.2850.8Friday, March 11, 2016 20:31:28 0.991546.2150.6Friday, March 11, 2016 20:41:29 0.991546.2150.6Friday, March 11, 2016 20:46:29 0.991551.1650.6Friday, March 11, 2016 20:51:30 0.991566.1350.9Friday, March 11, 2016 20:56:30 0.991561.0950.3Friday, March 11, 2016 21:01:31 0.991566.0650.8Friday, March 11, 2016 21:11:32 0.991575.9950.4Friday, March 11, 2016 21:21:33 0.991585.9150.7Friday, March 11, 2016 21:21:33 0.991585.9150.7Friday, March 11, 2016 21:31:34 0.991590.8850.0Friday, March 11, 2016 21:31:34 0.991595.8450.9Friday, March 11, 2016 21:41:35 0.991605.7650.7Friday, March 11, 2016 21:41:35 0.991605.7650.7Friday, March 11, 2016 22:01:37 0.991625.6150.6Friday, March 11, 2016 22:01:37 0.991630.5850.0Friday, March 11, 2016 22:01:37 0.991635.5450.8Friday, March 11, 2016 22:11:38 0.991635.5450.8Friday, March 11, 2016 22:11:38 0.991635.5450.8Friday, March 11, 2016 22:11:40 0.991655.4150.4Friday, March 11, 2016 22:11:40 0.991<	Friday, March 11, 2016 20:06:25 0.991 51		60.6
Friday, March 11, 2016 20:16:26 0.991521.3949.9Friday, March 11, 2016 20:21:27 0.991526.3650.3Friday, March 11, 2016 20:26:27 0.991531.3150.5Friday, March 11, 2016 20:31:28 0.991536.2850.8Friday, March 11, 2016 20:36:28 0.991541.2450.5Friday, March 11, 2016 20:41:29 0.991546.2150.6Friday, March 11, 2016 20:46:29 0.991551.1650.6Friday, March 11, 2016 20:51:30 0.991556.1350.9Friday, March 11, 2016 20:56:30 0.991561.0950.3Friday, March 11, 2016 21:06:32 0.991571.0350.6Friday, March 11, 2016 21:16:33 0.991580.9650.1Friday, March 11, 2016 21:21:33 0.991580.9650.1Friday, March 11, 2016 21:26:34 0.991590.8850.0Friday, March 11, 2016 21:26:34 0.991595.8450.9Friday, March 11, 2016 21:41:35 0.991605.7650.7Friday, March 11, 2016 21:46:36 0.991610.7350.6Friday, March 11, 2016 21:51:36 0.991610.7350.6Friday, March 11, 2016 22:01:37 0.991625.6150.8Friday, March 11, 2016 22:06:38 0.991630.5850.0Friday, March 11, 2016 22:11:38 0.991635.5450.8Friday, March 11, 2016 22:21:40 0.991645.4850.6Friday, March 11, 2016 22:21:40 0.991645.4850.6Friday, March 11, 2016 22:21:40 0.991655.4150.3Friday, March 11, 2016 22:31:41 0.991655.4150.4Friday, March 11, 2016 22:31:41 0.991<	Friday, March 11, 2016 20:11:26 0.991 51	6.43 5	51.0
Friday, March 11, 2016 20:21:27 0.991526.3650.3Friday, March 11, 2016 20:26:27 0.991531.3150.5Friday, March 11, 2016 20:31:28 0.991536.2850.8Friday, March 11, 2016 20:36:28 0.991541.2450.5Friday, March 11, 2016 20:41:29 0.991546.2150.6Friday, March 11, 2016 20:42:29 0.991551.1650.6Friday, March 11, 2016 20:51:30 0.991556.1350.9Friday, March 11, 2016 20:56:30 0.991566.0650.8Friday, March 11, 2016 21:01:31 0.991566.0650.8Friday, March 11, 2016 21:11:32 0.991575.9950.4Friday, March 11, 2016 21:11:32 0.991575.9950.4Friday, March 11, 2016 21:21:33 0.991580.9650.1Friday, March 11, 2016 21:26:34 0.991590.8850.0Friday, March 11, 2016 21:31:34 0.991595.8450.9Friday, March 11, 2016 21:41:35 0.991605.7650.7Friday, March 11, 2016 21:44:36 0.991610.7350.6Friday, March 11, 2016 21:44:36 0.991610.7350.6Friday, March 11, 2016 22:01:37 0.991625.6150.6Friday, March 11, 2016 22:21:40 0.991630.5850.0Friday, March 11, 2016 22:21:40 0.991630.5850.0Friday, March 11, 2016 22:21:40 0.991630.5850.0Friday, March 11, 2016 22:21:40 0.991655.4150.3Friday, March 11, 2016 22:21:40 0.991650.3350.5Friday, March 11, 2016 22:21:40 0.991655.4150.4Friday, March 11, 2016 22:21:43 0.991<	Friday March 11, 2016 20:16:26 0.991 52	1.39 4	9.9
Friday, March 11, 2010 20:26:27 0.991530.30Friday, March 11, 2016 20:26:27 0.991531.3150.5Friday, March 11, 2016 20:31:28 0.991536.2850.8Friday, March 11, 2016 20:36:28 0.991541.2450.5Friday, March 11, 2016 20:41:29 0.991546.2150.6Friday, March 11, 2016 20:46:29 0.991551.1650.6Friday, March 11, 2016 20:51:30 0.991556.1350.9Friday, March 11, 2016 20:56:30 0.991566.0650.8Friday, March 11, 2016 21:01:31 0.991566.0650.8Friday, March 11, 2016 21:11:32 0.991571.0350.6Friday, March 11, 2016 21:11:32 0.991575.9950.4Friday, March 11, 2016 21:21:33 0.991585.9150.7Friday, March 11, 2016 21:21:33 0.991585.9150.7Friday, March 11, 2016 21:26:34 0.991595.8450.9Friday, March 11, 2016 21:31:34 0.991595.8450.9Friday, March 11, 2016 21:41:35 0.991600.8150.8Friday, March 11, 2016 21:51:36 0.991610.7350.6Friday, March 11, 2016 22:01:37 0.991620.6650.8Friday, March 11, 2016 22:01:37 0.991625.6150.6Friday, March 11, 2016 22:26:40 0.991630.5850.0Friday, March 11, 2016 22:26:40 0.991630.5850.0Friday, March 11, 2016 22:26:40 0.991630.5850.0Friday, March 11, 2016 22:26:40 0.991650.4449.9Friday, March 11, 2016 22:26:40 0.991650.3450.5Friday, March 11, 2016 22:26:40 0.991650.5	Friday March 11, 2016 20:21:27 0 991 52	636 5	50.3
Friday, March 11, 2016 20:31:28 0.991536.2850.8Friday, March 11, 2016 20:31:28 0.991541.2450.5Friday, March 11, 2016 20:46:29 0.991546.2150.6Friday, March 11, 2016 20:46:29 0.991556.1350.9Friday, March 11, 2016 20:51:30 0.991556.1350.9Friday, March 11, 2016 20:56:30 0.991566.0650.8Friday, March 11, 2016 21:01:31 0.991566.0650.8Friday, March 11, 2016 21:06:32 0.991571.0350.6Friday, March 11, 2016 21:16:33 0.991575.9950.4Friday, March 11, 2016 21:16:33 0.991580.9650.1Friday, March 11, 2016 21:21:33 0.991585.9150.7Friday, March 11, 2016 21:21:33 0.991590.8850.0Friday, March 11, 2016 21:31:34 0.991595.8450.9Friday, March 11, 2016 21:41:35 0.991600.8150.8Friday, March 11, 2016 21:51:36 0.991610.7350.6Friday, March 11, 2016 21:16:37 0.991625.6150.6Friday, March 11, 2016 22:01:37 0.991630.5850.0Friday, March 11, 2016 22:11:38 0.991635.5450.8Friday, March 11, 2016 22:21:40 0.991645.4850.6Friday, March 11, 2016 22:21:40 0.991655.4150.3Friday, March 11, 2016 22:21:40 0.991655.4150.4Friday, March 11, 2016 22:21:40 0.991655.4150.4Friday, March 11, 2016 22:31:41 0.991655.4150.4Friday, March 11, 2016 22:51:43 0.991655.4150.4Friday, March 11, 2016 22:51:43 0.991<	Friday March 11, 2016 20:26:27 0.991 53	131 5	50.5
Friday, March 11, 2016 20:36:28 0.99150.20Friday, March 11, 2016 20:36:28 0.991541.2450.5Friday, March 11, 2016 20:46:29 0.991546.2150.6Friday, March 11, 2016 20:51:30 0.991556.1350.9Friday, March 11, 2016 20:56:30 0.991561.0950.3Friday, March 11, 2016 20:56:30 0.991566.0650.8Friday, March 11, 2016 21:01:31 0.991566.0650.8Friday, March 11, 2016 21:06:32 0.991571.0350.6Friday, March 11, 2016 21:16:33 0.991575.9950.4Friday, March 11, 2016 21:16:33 0.991585.9150.7Friday, March 11, 2016 21:21:33 0.991585.9150.7Friday, March 11, 2016 21:26:34 0.991590.8850.0Friday, March 11, 2016 21:31:34 0.991595.8450.9Friday, March 11, 2016 21:41:35 0.991600.8150.8Friday, March 11, 2016 21:51:36 0.991610.7350.6Friday, March 11, 2016 22:01:37 0.991625.6150.6Friday, March 11, 2016 22:11:38 0.991635.5450.8Friday, March 11, 2016 22:21:40 0.991645.4850.6Friday, March 11, 2016 22:21:40 0.991645.4850.6Friday, March 11, 2016 22:31:41 0.991655.4150.3Friday, March 11, 2016 22:21:40 0.991655.4150.4Friday, March 11, 2016 22:31:41 0.991655.4150.4Friday, March 11, 2016 22:31:41 0.991655.4150.4Friday, March 11, 2016 22:51:43 0.991655.4150.4Friday, March 11, 2016 22:51:43 0.991655.45	Friday, March 11, 2016 20:20:27 0:991 53	6.28 5	i0.8
Friday, March 11, 2016 20:30:20 0.991541.2450.5Friday, March 11, 2016 20:41:29 0.991546.2150.6Friday, March 11, 2016 20:46:29 0.991551.1650.6Friday, March 11, 2016 20:51:30 0.991556.1350.9Friday, March 11, 2016 20:56:30 0.991561.0950.3Friday, March 11, 2016 21:01:31 0.991566.0650.8Friday, March 11, 2016 21:10:32 0.991575.9950.4Friday, March 11, 2016 21:11:32 0.991575.9950.4Friday, March 11, 2016 21:21:33 0.991580.9650.1Friday, March 11, 2016 21:21:33 0.991585.9150.7Friday, March 11, 2016 21:21:33 0.991590.8850.0Friday, March 11, 2016 21:31:34 0.991595.8450.9Friday, March 11, 2016 21:36:35 0.991600.8150.8Friday, March 11, 2016 21:46:36 0.991610.7350.6Friday, March 11, 2016 21:51:36 0.991610.7350.6Friday, March 11, 2016 22:01:37 0.991620.6650.8Friday, March 11, 2016 22:11:38 0.991630.5850.0Friday, March 11, 2016 22:11:38 0.991635.5450.8Friday, March 11, 2016 22:21:40 0.991640.5150.3Friday, March 11, 2016 22:21:40 0.991655.4150.4Friday, March 11, 2016 22:21:40 0.991655.4150.4Friday, March 11, 2016 22:21:40 0.991655.4150.4Friday, March 11, 2016 22:31:41 0.991655.4150.4Friday, March 11, 2016 22:31:41 0.991655.4150.5Friday, March 11, 2016 22:31:41 0.991<	Friday, March 11, 2016 20:31:20 0:991 53	1 24 5	i0.0
Friday, March 11, 2016 20:41:29 0.991540.2150.6Friday, March 11, 2016 20:46:29 0.991551.1650.6Friday, March 11, 2016 20:51:30 0.991556.1350.9Friday, March 11, 2016 21:01:31 0.991566.0650.8Friday, March 11, 2016 21:06:32 0.991571.0350.6Friday, March 11, 2016 21:11:32 0.991575.9950.4Friday, March 11, 2016 21:11:32 0.991575.9950.4Friday, March 11, 2016 21:21:33 0.991580.9650.1Friday, March 11, 2016 21:26:34 0.991590.8850.0Friday, March 11, 2016 21:31:34 0.991595.8450.9Friday, March 11, 2016 21:36:35 0.991600.8150.8Friday, March 11, 2016 21:41:35 0.991605.7650.7Friday, March 11, 2016 21:41:35 0.991610.7350.6Friday, March 11, 2016 21:46:36 0.991610.7350.6Friday, March 11, 2016 21:46:36 0.991610.7350.6Friday, March 11, 2016 21:46:36 0.991610.7350.6Friday, March 11, 2016 22:01:37 0.991625.6150.6Friday, March 11, 2016 22:16:39 0.991630.5850.0Friday, March 11, 2016 22:16:39 0.991640.5150.3Friday, March 11, 2016 22:26:40 0.991655.4150.4Friday, March 11, 2016 22:36:41 0.991655.4150.5Friday, March 11, 2016 22:36:44 <t< td=""><td>Friday, March 11, 2016 20:50:20 0:591 54</td><td>6.24 5</td><td>0.5 0.6</td></t<>	Friday, March 11, 2016 20:50:20 0:591 54	6.24 5	0.5 0.6
Friday, March 11, 2010 20:40:29 0.991531.1050.0Friday, March 11, 2016 20:51:30 0.991556.1350.9Friday, March 11, 2016 20:56:30 0.991561.0950.3Friday, March 11, 2016 21:01:31 0.991566.0650.8Friday, March 11, 2016 21:06:32 0.991571.0350.6Friday, March 11, 2016 21:11:32 0.991575.9950.4Friday, March 11, 2016 21:16:33 0.991580.9650.1Friday, March 11, 2016 21:26:34 0.991590.8850.0Friday, March 11, 2016 21:26:34 0.991595.8450.9Friday, March 11, 2016 21:36:35 0.991600.8150.8Friday, March 11, 2016 21:41:35 0.991605.7650.7Friday, March 11, 2016 21:46:36 0.991610.7350.6Friday, March 11, 2016 21:51:36 0.991610.7350.6Friday, March 11, 2016 22:01:37 0.991620.6650.8Friday, March 11, 2016 22:01:37 0.991625.6150.6Friday, March 11, 2016 22:16:39 0.991630.5850.0Friday, March 11, 2016 22:16:39 0.991630.5850.0Friday, March 11, 2016 22:14:0 0.991645.4850.6Friday, March 11, 2016 22:26:40 0.991655.4150.4Friday, March 11, 2016 22:36:41 0.991655.4150.4Friday, March 11, 2016 22:36:41 0.991655.4150.4Friday, March 11, 2016 22:36:41 0.991655.3350.5Friday, March 11, 2016 22:36:41 0.991655.3350.5Friday, March 11, 2016 22:56:43 0.991670.2950.2Friday, March 11, 2016 22:56:43 0.991 </td <td>Friday, March 11, 2010 20:41:29 0.991 54</td> <td>116 5</td> <td>0.0 60 6</td>	Friday, March 11, 2010 20:41:29 0.991 54	116 5	0.0 60 6
Friday, March 11, 2010 20:31:30 0.991530:13500.9Friday, March 11, 2016 20:56:30 0.991561.0950.3Friday, March 11, 2016 21:01:31 0.991566.0650.8Friday, March 11, 2016 21:06:32 0.991577.0350.6Friday, March 11, 2016 21:11:32 0.991575.9950.4Friday, March 11, 2016 21:11:32 0.991575.9950.4Friday, March 11, 2016 21:21:33 0.991580.9650.1Friday, March 11, 2016 21:21:33 0.991585.9150.7Friday, March 11, 2016 21:31:34 0.991595.8450.9Friday, March 11, 2016 21:36:35 0.991600.8150.8Friday, March 11, 2016 21:41:35 0.991605.7650.7Friday, March 11, 2016 21:41:35 0.991605.7650.7Friday, March 11, 2016 21:51:36 0.991610.7350.6Friday, March 11, 2016 22:01:37 0.991620.6650.8Friday, March 11, 2016 22:01:37 0.991630.5850.0Friday, March 11, 2016 22:11:38 0.991635.5450.3Friday, March 11, 2016 22:11:38 0.991640.5150.3Friday, March 11, 2016 22:21:40 0.991645.4850.6Friday, March 11, 2016 22:21:40 0.991655.4150.4Friday, March 11, 2016 22:31:41 0.991655.4150.4Friday, March 11, 2016 22:31:41 0.991665.3350.5Friday, March 11, 2016 22:31:41 0.991665.3350.5Friday, March 11, 2016 22:46:42 0.991670.2950.2Friday, March 11, 2016 22:51:43 0.991675.2650.4Friday, March 11, 2016 22:56:43 0.991	Friday, March 11, 2016 20:40.27 0.771 55	1.10 J 6.13 5	0.0 0 0
Friday, March 11, 2010 20:00 0.991501.09500.3Friday, March 11, 2016 21:01:31 0.991566.0650.8Friday, March 11, 2016 21:06:32 0.991571.0350.6Friday, March 11, 2016 21:11:32 0.991575.9950.4Friday, March 11, 2016 21:11:32 0.991580.9650.1Friday, March 11, 2016 21:21:33 0.991585.9150.7Friday, March 11, 2016 21:26:34 0.991590.8850.0Friday, March 11, 2016 21:31:34 0.991595.8450.9Friday, March 11, 2016 21:36:35 0.991600.8150.8Friday, March 11, 2016 21:41:35 0.991605.7650.7Friday, March 11, 2016 21:51:36 0.991610.7350.6Friday, March 11, 2016 21:56:37 0.991620.6650.8Friday, March 11, 2016 22:01:37 0.991625.6150.6Friday, March 11, 2016 22:11:38 0.991630.5850.0Friday, March 11, 2016 22:21:40 0.991645.4850.6Friday, March 11, 2016 22:21:40 0.991645.4850.6Friday, March 11, 2016 22:21:40 0.991655.4150.4Friday, March 11, 2016 22:21:40 0.991655.4150.4Friday, March 11, 2016 22:31:41 0.991655.4150.4Friday, March 11, 2016 22:36:41 0.991660.3650.5Friday, March 11, 2016 22:31:41 0.991655.3350.5Friday, March 11, 2016 22:36:41 0.991665.3350.5Friday, March 11, 2016 22:51:43 0.991670.2950.2Friday, March 11, 2016 22:56:43 0.991670.2950.2Friday, March 11, 2016 22:56:43 0.991 <td>Friday, March 11, 2010 20:51:50 0.991 55</td> <td>1.00 5</td> <td>0.9 (0.3</td>	Friday, March 11, 2010 20:51:50 0.991 55	1.00 5	0.9 (0.3
Friday, March 11, 2010 21:01:31 0.591500.0050.8Friday, March 11, 2016 21:06:32 0.991571.0350.6Friday, March 11, 2016 21:11:32 0.991575.9950.4Friday, March 11, 2016 21:16:33 0.991580.9650.1Friday, March 11, 2016 21:21:33 0.991585.9150.7Friday, March 11, 2016 21:26:34 0.991590.8850.0Friday, March 11, 2016 21:31:34 0.991595.8450.9Friday, March 11, 2016 21:36:35 0.991600.8150.8Friday, March 11, 2016 21:41:35 0.991605.7650.7Friday, March 11, 2016 21:46:36 0.991610.7350.6Friday, March 11, 2016 21:56:37 0.991620.6650.8Friday, March 11, 2016 22:01:37 0.991625.6150.6Friday, March 11, 2016 22:01:37 0.991630.5850.0Friday, March 11, 2016 22:11:38 0.991635.5450.8Friday, March 11, 2016 22:21:40 0.991645.4850.6Friday, March 11, 2016 22:21:40 0.991645.4850.6Friday, March 11, 2016 22:21:40 0.991655.4150.4Friday, March 11, 2016 22:31:41 0.991655.4150.4Friday, March 11, 2016 22:36:41 0.991660.3650.5Friday, March 11, 2016 22:36:41 0.991665.3350.5Friday, March 11, 2016 22:41:42 0.991665.3350.5Friday, March 11, 2016 22:51:43 0.991670.2950.2Friday, March 11, 2016 22:51:43 0.991675.2650.4Friday, March 11, 2016 22:56:43 0.991675.2650.4Friday, March 11, 2016 22:56:43 0.991<	Eriday, March 11, 2016 20:50:50 0.991 50	6.06 5	0.5 0.8
Friday, March 11, 2016 21:00:32 0.991571.0350.0Friday, March 11, 2016 21:11:32 0.991575.9950.4Friday, March 11, 2016 21:21:33 0.991580.9650.1Friday, March 11, 2016 21:21:33 0.991585.9150.7Friday, March 11, 2016 21:26:34 0.991590.8850.0Friday, March 11, 2016 21:31:34 0.991595.8450.9Friday, March 11, 2016 21:36:35 0.991600.8150.8Friday, March 11, 2016 21:41:35 0.991605.7650.7Friday, March 11, 2016 21:46:36 0.991610.7350.6Friday, March 11, 2016 21:51:36 0.991615.6950.5Friday, March 11, 2016 21:56:37 0.991620.6650.8Friday, March 11, 2016 22:01:37 0.991625.6150.6Friday, March 11, 2016 22:16:39 0.991630.5850.0Friday, March 11, 2016 22:16:39 0.991640.5150.3Friday, March 11, 2016 22:14:0 0.991645.4850.6Friday, March 11, 2016 22:26:40 0.991650.4449.9Friday, March 11, 2016 22:31:41 0.991655.4150.4Friday, March 11, 2016 22:36:41 0.991665.3350.5Friday, March 11, 2016 22:41:42 0.991665.3350.5Friday, March 11, 2016 22:46:42 0.991670.2950.2Friday, March 11, 2016 22:56:43 0.991675.2650.4Friday, March 11, 2016 22:56:43 0.991 </td <td>Friday, March 11, 2016 21:06:22 0 001 57</td> <td>1.02 5</td> <td>0.0</td>	Friday, March 11, 2016 21:06:22 0 001 57	1.02 5	0.0
Friday, March 11, 2016 21:11:32 0.991573.9950.4Friday, March 11, 2016 21:16:33 0.991580.9650.1Friday, March 11, 2016 21:21:33 0.991585.9150.7Friday, March 11, 2016 21:26:34 0.991590.8850.0Friday, March 11, 2016 21:31:34 0.991595.8450.9Friday, March 11, 2016 21:36:35 0.991600.8150.8Friday, March 11, 2016 21:41:35 0.991605.7650.7Friday, March 11, 2016 21:46:36 0.991610.7350.6Friday, March 11, 2016 21:51:36 0.991615.6950.5Friday, March 11, 2016 21:56:37 0.991620.6650.8Friday, March 11, 2016 22:01:37 0.991625.6150.6Friday, March 11, 2016 22:06:38 0.991630.5850.0Friday, March 11, 2016 22:11:38 0.991635.5450.3Friday, March 11, 2016 22:26:40 0.991645.4850.6Friday, March 11, 2016 22:31:41 0.991655.4150.4Friday, March 11, 2016 22:36:41 0.991665.3350.5Friday, March 11, 2016 22:36:41 0.991665.3350.5Friday, March 11, 2016 22:46:42 0.991670.2950.2Friday, March 11, 2016 22:51:43 0.991675.2650.4Friday, March 11, 2016 22:56:43 0.991675.2650.5Friday, March 11, 2016 22:56:43 0.991680.2150.5Friday, March 11, 2016 22:56:43 0.991<	Friday, March 11, 2016 21:10:32 0.991 57	1.05 J	0.0
Friday, March 11, 2016 21:16:33 0.991580.9650.1Friday, March 11, 2016 21:21:33 0.991585.9150.7Friday, March 11, 2016 21:26:34 0.991590.8850.0Friday, March 11, 2016 21:31:34 0.991595.8450.9Friday, March 11, 2016 21:36:35 0.991600.8150.8Friday, March 11, 2016 21:41:35 0.991605.7650.7Friday, March 11, 2016 21:46:36 0.991610.7350.6Friday, March 11, 2016 21:51:36 0.991615.6950.5Friday, March 11, 2016 21:56:37 0.991620.6650.8Friday, March 11, 2016 22:01:37 0.991625.6150.6Friday, March 11, 2016 22:06:38 0.991630.5850.0Friday, March 11, 2016 22:11:38 0.991635.5450.3Friday, March 11, 2016 22:21:40 0.991640.5150.3Friday, March 11, 2016 22:21:40 0.991655.4150.4Friday, March 11, 2016 22:31:41 0.991655.4150.4Friday, March 11, 2016 22:36:41 0.991660.3650.5Friday, March 11, 2016 22:36:41 0.991665.3350.5Friday, March 11, 2016 22:46:42 0.991670.2950.2Friday, March 11, 2016 22:51:43 0.991675.2650.4Friday, March 11, 2016 22:56:43 0.991680.2150.5Friday, March 11, 2016 22:56:43 0.991<	Friday, March 11, 2016 21:11:52 0.991 57	3.99 J	0.4
Friday, March 11, 2016 21:21:35 0.991585.9150.7Friday, March 11, 2016 21:26:34 0.991590.8850.0Friday, March 11, 2016 21:31:34 0.991595.8450.9Friday, March 11, 2016 21:36:35 0.991600.8150.8Friday, March 11, 2016 21:41:35 0.991605.7650.7Friday, March 11, 2016 21:46:36 0.991610.7350.6Friday, March 11, 2016 21:51:36 0.991615.6950.5Friday, March 11, 2016 21:56:37 0.991620.6650.8Friday, March 11, 2016 22:01:37 0.991625.6150.6Friday, March 11, 2016 22:06:38 0.991630.5850.0Friday, March 11, 2016 22:11:38 0.991635.5450.3Friday, March 11, 2016 22:16:39 0.991640.5150.3Friday, March 11, 2016 22:26:40 0.991650.4449.9Friday, March 11, 2016 22:36:41 0.991655.4150.4Friday, March 11, 2016 22:36:41 0.991655.4150.4Friday, March 11, 2016 22:36:41 0.991660.3650.5Friday, March 11, 2016 22:36:41 0.991670.2950.2Friday, March 11, 2016 22:46:42 0.991670.2950.2Friday, March 11, 2016 22:56:43 0.991675.2650.4Friday, March 11, 2016 22:56:43 0.991675.2650.4Friday, March 11, 2016 22:56:43 0.991675.2650.5Friday, March 11, 2016 22:56:43 0.991675.2650.4Friday, March 11, 2016 22:56:43 0.991675.2650.5Friday, March 11, 2016 22:56:43 0.991680.2150.5Friday, March 11, 2016 22:56:43 0.991<	Friday, March 11, 2016 21:10:35 0.991 58	0.90 J	0.1
Friday, March 11, 2016 21:26:34 0.991590.8850.0Friday, March 11, 2016 21:31:34 0.991595.8450.9Friday, March 11, 2016 21:36:35 0.991600.8150.8Friday, March 11, 2016 21:41:35 0.991605.7650.7Friday, March 11, 2016 21:46:36 0.991610.7350.6Friday, March 11, 2016 21:51:36 0.991615.6950.5Friday, March 11, 2016 21:56:37 0.991620.6650.8Friday, March 11, 2016 22:01:37 0.991625.6150.6Friday, March 11, 2016 22:06:38 0.991630.5850.0Friday, March 11, 2016 22:16:39 0.991640.5150.3Friday, March 11, 2016 22:21:40 0.991645.4850.6Friday, March 11, 2016 22:26:40 0.991645.4850.6Friday, March 11, 2016 22:31:41 0.991655.4150.4Friday, March 11, 2016 22:36:41 0.991655.3350.5Friday, March 11, 2016 22:41:42 0.991660.3650.5Friday, March 11, 2016 22:46:42 0.991670.2950.2Friday, March 11, 2016 22:56:43 0.991675.2650.4Friday, March 11, 2016 22:46:42 0.991675.2650.4Friday, March 11, 2016 22:56:43 0.991675.2650.4Friday, March 11, 2016 22:56:43 0.991675.2650.5Friday, March 11, 2016 22:56:43 0.991675.2650.4Friday, March 11, 2016 22:56:43 0.991675.2650.5Friday, March 11, 2016 22:56:43 0.991680.2150.5Friday, March 11, 2016 22:56:43 0.991680.2150.5Friday, March 11, 2016 22:56:43 0.991<	Friday, March 11, 2016 21:21:33 0.991 58	5.91 5 0.99 5	0.7
Friday, March 11, 2016 21:31:34 0.991595.8450.9Friday, March 11, 2016 21:36:35 0.991600.8150.8Friday, March 11, 2016 21:41:35 0.991605.7650.7Friday, March 11, 2016 21:46:36 0.991610.7350.6Friday, March 11, 2016 21:51:36 0.991615.6950.5Friday, March 11, 2016 21:56:37 0.991620.6650.8Friday, March 11, 2016 22:01:37 0.991625.6150.6Friday, March 11, 2016 22:06:38 0.991630.5850.0Friday, March 11, 2016 22:16:39 0.991635.5450.3Friday, March 11, 2016 22:16:39 0.991645.4850.6Friday, March 11, 2016 22:26:40 0.991645.4850.6Friday, March 11, 2016 22:31:41 0.991655.4150.4Friday, March 11, 2016 22:36:41 0.991655.3350.5Friday, March 11, 2016 22:46:42 0.991670.2950.2Friday, March 11, 2016 22:56:43 0.991675.2650.4Friday, March 11, 2016 22:56:43 0.991675.2650.4Friday, March 11, 2016 22:56:43 0.991675.2650.5Friday, March 11, 2016 22:56:43 0.991675.2650.5Friday, March 11, 2016 22:56:43 0.991675.2650.4Friday, March 11, 2016 22:56:43 0.991675.2650.5Friday, March 11, 2016 22:56:43 0.991675.2650.5Friday, March 11, 2016 22:56:43 0.991675.2650.5Friday, March 11, 2016 22:56:43 0.991680.2150.5Friday, March 11, 2016 22:56:43 0.991680.2150.5Friday, March 11, 2016 22:56:43 0.991<	Friday, March 11, 2016 21:26:34 0.991 59	0.88 5	0.0
Friday, March 11, 2016 21:36:35 0.991600.8150.8Friday, March 11, 2016 21:41:35 0.991605.7650.7Friday, March 11, 2016 21:46:36 0.991610.7350.6Friday, March 11, 2016 21:51:36 0.991615.6950.5Friday, March 11, 2016 21:56:37 0.991620.6650.8Friday, March 11, 2016 22:01:37 0.991625.6150.6Friday, March 11, 2016 22:06:38 0.991630.5850.0Friday, March 11, 2016 22:16:39 0.991635.5450.8Friday, March 11, 2016 22:16:39 0.991640.5150.3Friday, March 11, 2016 22:26:40 0.991645.4850.6Friday, March 11, 2016 22:31:41 0.991655.4150.4Friday, March 11, 2016 22:36:41 0.991660.3650.5Friday, March 11, 2016 22:41:42 0.991665.3350.5Friday, March 11, 2016 22:51:43 0.991675.2650.4Friday, March 11, 2016 22:51:43 0.991675.2650.4Friday, March 11, 2016 22:56:43 0.991675.2650.5Friday, March 11, 2016 22:56:43 0.991675.2650.4Friday, March 11, 2016 22:56:43 0.991675.2650.4Friday, March 11, 2016 22:56:43 0.991675.2650.4Friday, March 11, 2016 22:56:43 0.991680.2150.5Friday, March 11, 2016 22:56:43 0.991680.2150.5Friday, March 11, 2016 22:56:43 0.991685.1850.5	Friday, March 11, 2016 21:31:34 0.991 59	5.84 5 0.01 5	0.9
Friday, March 11, 2016 21:41:35 0.991605.7650.7Friday, March 11, 2016 21:46:36 0.991610.7350.6Friday, March 11, 2016 21:51:36 0.991615.6950.5Friday, March 11, 2016 21:56:37 0.991620.6650.8Friday, March 11, 2016 22:01:37 0.991625.6150.6Friday, March 11, 2016 22:06:38 0.991630.5850.0Friday, March 11, 2016 22:11:38 0.991635.5450.8Friday, March 11, 2016 22:16:39 0.991640.5150.3Friday, March 11, 2016 22:26:40 0.991645.4850.6Friday, March 11, 2016 22:26:40 0.991650.4449.9Friday, March 11, 2016 22:36:41 0.991655.4150.4Friday, March 11, 2016 22:36:41 0.991660.3650.5Friday, March 11, 2016 22:41:42 0.991665.3350.5Friday, March 11, 2016 22:51:43 0.991675.2650.4Friday, March 11, 2016 22:56:43 0.991680.2150.5Friday, March 11, 2016 22:56:43 0.991680.2150.5Friday, March 11, 2016 22:56:43 0.991680.2150.5Friday, March 11, 2016 22:56:43 0.991685.1850.5	Friday, March 11, 2016 21:36:35 0.991 60	0.81 5	0.8
Friday, March 11, 2016 21:46:36 0.991610.7350.6Friday, March 11, 2016 21:51:36 0.991615.6950.5Friday, March 11, 2016 21:56:37 0.991620.6650.8Friday, March 11, 2016 22:01:37 0.991625.6150.6Friday, March 11, 2016 22:06:38 0.991630.5850.0Friday, March 11, 2016 22:11:38 0.991635.5450.3Friday, March 11, 2016 22:16:39 0.991640.5150.3Friday, March 11, 2016 22:21:40 0.991645.4850.6Friday, March 11, 2016 22:26:40 0.991645.4850.6Friday, March 11, 2016 22:31:41 0.991655.4150.4Friday, March 11, 2016 22:36:41 0.991660.3650.5Friday, March 11, 2016 22:46:42 0.991670.2950.2Friday, March 11, 2016 22:51:43 0.991675.2650.4Friday, March 11, 2016 22:56:43 0.991675.2650.4Friday, March 11, 2016 22:56:43 0.991675.2650.5Friday, March 11, 2016 22:56:43 0.991675.2650.4Friday, March 11, 2016 22:56:43 0.991675.2650.4Friday, March 11, 2016 22:56:43 0.991675.2650.5Friday, March 11, 2016 22:56:43 0.991680.2150.5Friday, March 11, 2016 22:56:43 0.991685.1850.5	Friday, March 11, 2016 21:41:35 0.991 60	5.76 5	0.7
Friday, March 11, 2016 21:51:36 0.991615.6950.5Friday, March 11, 2016 21:56:37 0.991620.6650.8Friday, March 11, 2016 22:01:37 0.991625.6150.6Friday, March 11, 2016 22:06:38 0.991630.5850.0Friday, March 11, 2016 22:11:38 0.991635.5450.8Friday, March 11, 2016 22:16:39 0.991640.5150.3Friday, March 11, 2016 22:21:40 0.991645.4850.6Friday, March 11, 2016 22:26:40 0.991645.4850.6Friday, March 11, 2016 22:31:41 0.991655.4150.4Friday, March 11, 2016 22:36:41 0.991660.3650.5Friday, March 11, 2016 22:41:42 0.991665.3350.5Friday, March 11, 2016 22:46:42 0.991670.2950.2Friday, March 11, 2016 22:51:43 0.991675.2650.4Friday, March 11, 2016 22:56:43 0.991675.2650.4Friday, March 11, 2016 22:56:43 0.991675.2650.5Friday, March 11, 2016 22:56:43 0.991675.2650.4Friday, March 11, 2016 22:56:43 0.991680.2150.5Friday, March 11, 2016 22:56:43 0.991680.2150.5Friday, March 11, 2016 22:56:43 0.991680.2150.5Friday, March 11, 2016 22:56:43 0.991680.2150.5	Friday, March 11, 2016 21:46:36 0.991 61	0.73 5	0.6
Friday, March 11, 2016 21:56:37 0.991620.6650.8Friday, March 11, 2016 22:01:37 0.991625.6150.6Friday, March 11, 2016 22:06:38 0.991630.5850.0Friday, March 11, 2016 22:11:38 0.991635.5450.8Friday, March 11, 2016 22:16:39 0.991640.5150.3Friday, March 11, 2016 22:21:40 0.991645.4850.6Friday, March 11, 2016 22:26:40 0.991650.4449.9Friday, March 11, 2016 22:36:41 0.991655.4150.4Friday, March 11, 2016 22:36:41 0.991660.3650.5Friday, March 11, 2016 22:41:42 0.991665.3350.5Friday, March 11, 2016 22:51:43 0.991675.2650.4Friday, March 11, 2016 22:56:43 0.991675.2650.4Friday, March 11, 2016 22:56:43 0.991675.2650.4Friday, March 11, 2016 22:56:43 0.991680.2150.5Friday, March 11, 2016 22:56:43 0.991685.1850.5	Friday, March 11, 2016 21:51:36 0.991 61	5.69 5	0.5
Friday, March 11, 2016 22:01:37 0.991625.6150.6Friday, March 11, 2016 22:06:38 0.991630.5850.0Friday, March 11, 2016 22:11:38 0.991635.5450.8Friday, March 11, 2016 22:16:39 0.991640.5150.3Friday, March 11, 2016 22:21:40 0.991645.4850.6Friday, March 11, 2016 22:26:40 0.991645.4850.6Friday, March 11, 2016 22:31:41 0.991655.4150.4Friday, March 11, 2016 22:36:41 0.991660.3650.5Friday, March 11, 2016 22:41:42 0.991665.3350.5Friday, March 11, 2016 22:46:42 0.991670.2950.2Friday, March 11, 2016 22:51:43 0.991675.2650.4Friday, March 11, 2016 22:56:43 0.991680.2150.5Friday, March 11, 2016 22:56:43 0.991685.1850.5	Friday, March 11, 2016 21:56:37 0.991 62	0.66 5	0.8
Friday, March 11, 2016 22:06:38 0.991630.5850.0Friday, March 11, 2016 22:11:38 0.991635.5450.8Friday, March 11, 2016 22:16:39 0.991640.5150.3Friday, March 11, 2016 22:21:40 0.991645.4850.6Friday, March 11, 2016 22:26:40 0.991650.4449.9Friday, March 11, 2016 22:31:41 0.991655.4150.4Friday, March 11, 2016 22:36:41 0.991660.3650.5Friday, March 11, 2016 22:41:42 0.991665.3350.5Friday, March 11, 2016 22:46:42 0.991670.2950.2Friday, March 11, 2016 22:51:43 0.991675.2650.4Friday, March 11, 2016 22:56:43 0.991675.2650.4Friday, March 11, 2016 22:56:43 0.991680.2150.5Friday, March 11, 2016 22:56:43 0.991680.2150.5	Friday, March 11, 2016 22:01:37 0.991 62	5.61 5	0.6
Friday, March 11, 2016 22:11:38 0.991635.5450.8Friday, March 11, 2016 22:16:39 0.991640.5150.3Friday, March 11, 2016 22:21:40 0.991645.4850.6Friday, March 11, 2016 22:26:40 0.991650.4449.9Friday, March 11, 2016 22:31:41 0.991655.4150.4Friday, March 11, 2016 22:36:41 0.991660.3650.5Friday, March 11, 2016 22:41:42 0.991665.3350.5Friday, March 11, 2016 22:46:42 0.991670.2950.2Friday, March 11, 2016 22:51:43 0.991675.2650.4Friday, March 11, 2016 22:56:43 0.991680.2150.5Friday, March 11, 2016 22:56:43 0.991680.2150.5Friday, March 11, 2016 22:56:43 0.991680.2150.5	Friday, March 11, 2016 22:06:38 0.991 63	0.58 5	0.0
Friday, March 11, 2016 22:16:39 0.991640.5150.3Friday, March 11, 2016 22:21:40 0.991645.4850.6Friday, March 11, 2016 22:26:40 0.991650.4449.9Friday, March 11, 2016 22:31:41 0.991655.4150.4Friday, March 11, 2016 22:36:41 0.991660.3650.5Friday, March 11, 2016 22:41:42 0.991665.3350.5Friday, March 11, 2016 22:46:42 0.991670.2950.2Friday, March 11, 2016 22:51:43 0.991675.2650.4Friday, March 11, 2016 22:56:43 0.991675.2650.5Friday, March 11, 2016 22:56:43 0.991680.2150.5Friday, March 11, 2016 22:56:43 0.991680.2150.5Friday, March 11, 2016 22:56:43 0.991680.2150.5Friday, March 11, 2016 23:01:44 0.991685.1850.5	Friday, March 11, 2016 22:11:38 0.991 63	5.54 5	50.8
Friday, March 11, 2016 22:21:40 0.991645.4850.6Friday, March 11, 2016 22:26:40 0.991650.4449.9Friday, March 11, 2016 22:31:41 0.991655.4150.4Friday, March 11, 2016 22:36:41 0.991660.3650.5Friday, March 11, 2016 22:41:42 0.991665.3350.5Friday, March 11, 2016 22:46:42 0.991670.2950.2Friday, March 11, 2016 22:51:43 0.991675.2650.4Friday, March 11, 2016 22:56:43 0.991680.2150.5Friday, March 11, 2016 22:56:43 0.991680.2150.5Friday, March 11, 2016 23:01:44 0.991685.1850.5	Friday, March 11, 2016 22:16:39 0.991 64	0.51 5	50.3
Friday, March 11, 2016 22:26:40 0.991650.4449.9Friday, March 11, 2016 22:31:41 0.991655.4150.4Friday, March 11, 2016 22:36:41 0.991660.3650.5Friday, March 11, 2016 22:41:42 0.991665.3350.5Friday, March 11, 2016 22:46:42 0.991670.2950.2Friday, March 11, 2016 22:51:43 0.991675.2650.4Friday, March 11, 2016 22:56:43 0.991675.2650.4Friday, March 11, 2016 22:56:43 0.991680.2150.5Friday, March 11, 2016 22:56:43 0.991680.2150.5	Friday, March 11, 2016 22:21:40 0.991 64	5.48 5	0.6
Friday, March 11, 2016 22:31:41 0.991655.4150.4Friday, March 11, 2016 22:36:41 0.991660.3650.5Friday, March 11, 2016 22:41:42 0.991665.3350.5Friday, March 11, 2016 22:46:42 0.991670.2950.2Friday, March 11, 2016 22:51:43 0.991675.2650.4Friday, March 11, 2016 22:56:43 0.991680.2150.5Friday, March 11, 2016 22:56:43 0.991680.2150.5Friday, March 11, 2016 23:01:44 0.991685.1850.5	Friday, March 11, 2016 22:26:40 0.991 65	0.44 4	9.9
Friday, March 11, 2016 22:36:41 0.991660.3650.5Friday, March 11, 2016 22:41:42 0.991665.3350.5Friday, March 11, 2016 22:46:42 0.991670.2950.2Friday, March 11, 2016 22:51:43 0.991675.2650.4Friday, March 11, 2016 22:56:43 0.991680.2150.5Friday, March 11, 2016 22:56:43 0.991680.2150.5	Friday, March 11, 2016 22:31:41 0.991 65	5.41 5	0.4
Friday, March 11, 2016 22:41:42 0.991665.3350.5Friday, March 11, 2016 22:46:42 0.991670.2950.2Friday, March 11, 2016 22:51:43 0.991675.2650.4Friday, March 11, 2016 22:56:43 0.991680.2150.5Friday, March 11, 2016 23:01:44 0.991685.1850.5	Friday, March 11, 2016 22:36:41 0.991 66	0.36 5	0.5
Friday, March 11, 2016 22:46:42 0.991670.2950.2Friday, March 11, 2016 22:51:43 0.991675.2650.4Friday, March 11, 2016 22:56:43 0.991680.2150.5Friday, March 11, 2016 23:01:44 0.991685.1850.5	Friday, March 11, 2016 22:41:42 0.991 66	5.33 5	0.5
Friday, March 11, 2016 22:51:43 0.991675.2650.4Friday, March 11, 2016 22:56:43 0.991680.2150.5Friday, March 11, 2016 23:01:44 0.991685.1850.5	Friday, March 11, 2016 22:46:42 0.991 67	0.29 5	50.2
Friday, March 11, 2016 22:56:43 0.991 680.21 50.5 Friday, March 11, 2016 23:01:44 0.991 685.18 50.5	Friday, March 11, 2016 22:51:43 0.991 67	5.26 5	0.4
Friday, March 11, 2016 23:01:44 0.991 685.18 50.5	Friday, March 11, 2016 22:56:43 0.991 68	0.21 5	0.5
, ,	Friday, March 11, 2016 23:01:44 0.991 68	5.18 5	0.5
Friday, March 11, 2016 23:06:44 0.991 690.14 50.4	Friday, March 11, 2016 23:06:44 0.991 69	0 1 4 5	0.4
	Friday, March 11, 2016 23:11:45 0.991 69	0.11 0	

Friday, March 11, 2016 23:16:45 0.991	700.06	50.6
Friday, March 11, 2016 23:21:46 0.991	705.03	49.7
Friday, March 11, 2016 23:26:46 0.991	709.99	50.5
Friday, March 11, 2016 23:30:00 0.991	713.19	50.4

aqms5 formaldehyde002 Ch. 2 Cartridge Started Friday, March 11, 2016 23:46:01 Flow Rate Set Point 1.00 l/min Stopped Saturday, March 12, 2016 11:46:26 Total Volume 712.86 liters Total Sample Time 12.00 hours Average Flow Rate 0.990 l/min Minimum Flow Rate 0.990 l/min Maximum Flow Rate 0.990 l/min Pre Start Leak Rate 0.001 l/min Ending Leak Rate -0.006 l/min Flow Controller Zero -0.003 l/min Error Code 0 Error Status OK No Errors

Flow Rate

Time

Temp

Volume

Friday, March 11, 2016 23:46:28 0.080	0.22	49.5
Friday, March 11, 2016 23:51:29 0.990	5.19	50.5
Friday, March 11, 2016 23:56:29 0.990	10.14	50.4
Saturday, March 12, 2016 0:01:30 0.990	15.11	50.1
Saturday, March 12, 2016 0:06:30 0.990	20.06	50.6
Saturday, March 12, 2016 0:11:31 0.990	25.03	49.7
Saturday, March 12, 2016 0:16:31 0.990	29.98	51.0
Saturday, March 12, 2016 0:21:32 0.990	34.95	50.5
Saturday, March 12, 2016 0:26:32 0.990	39.90	50.6
Saturday, March 12, 2016 0:31:33 0.990	44.87	50.6
Saturday, March 12, 2016 0:36:33 0.990	49.82	50.1
Saturday, March 12, 2016 0:41:34 0.990	54.79	50.1
Saturday, March 12, 2016 0:46:34 0.990	59.74	50.5
Saturday, March 12, 2016 0:51:35 0.990	64.71	50.1
Saturday, March 12, 2016 0:56:36 0.990	69.68	50.2
Saturday, March 12, 2016 1:01:36 0.990	74.63	50.8
Saturday, March 12, 2016 1:06:37 0.990	79.59	49.7
Saturday, March 12, 2016 1:11:37 0.990	84.55	50.5
Saturday, March 12, 2016 1:16:38 0.990	89.51	50.0
Saturday, March 12, 2016 1:21:38 0.990	94.47	50.2
Saturday, March 12, 2016 1:26:39 0.990	99.43	50.9
Saturday, March 12, 2016 1:31:39 0.990	104.39	9 50.4
Saturday, March 12, 2016 1:36:40 0.990	109.35	5 50.0
Saturday, March 12, 2016 1:41:41 0.990	114.32	2 50.1
Saturday, March 12, 2016 1:46:41 0.990	119.27	50.5
Saturday, March 12, 2016 1:51:42 0.990	124.24	4 50.5
Saturday, March 12, 2016 1:56:42 0.990	129.19	9 50.8
Saturday, March 12, 2016 2:01:43 0.990	134.16	5 50.5
Saturday, March 12, 2016 2:06:43 0.990	139.11	50.8
Saturday, March 12, 2016 2:11:44 0.990	144.08	3 50.0
Saturday, March 12, 2016 2:16:44 0.990	149.03	50.8
Saturday, March 12, 2016 2:21:45 0.990	154.00) 49.9
Saturday, March 12, 2016 2:26:45 0.990	158.95	5 50.8

Saturday, March 12, 2016 2:31:46 0.990	163.92	50.6
Saturday, March 12, 2016 2:36:46 0.990	168.87	50.4
Saturday, March 12, 2016 2:41:47 0.990	173.84	50.5
Saturday, March 12, 2016 2:46:48 0.990	178.81	50.0
Saturday, March 12, 2016 2:51:48 0.990	183.76	50.4
Saturday, March 12, 2016 2:56:49 0.990	188.73	50.3
Saturday, March 12, 2016 3:01:49 0.990	193.68	50.3
Saturday, March 12, 2016 3:06:50 0.990	198.65	50.5
Saturday, March 12, 2016 3:11:50 0.990	203.60	50.4
Saturday, March 12, 2016 3:16:51 0.990	208.57	49.7
Saturday, March 12, 2016 3:21:51 0.990	213.52	50.0
Saturday, March 12, 2016 3:26:52 0.990	218.48	50.7
Saturday, March 12, 2016 3:31:52 0.990	223.44	50.8
Saturday, March 12, 2016 3:36:53 0.990	228.40	50.1
Saturday, March 12, 2016 3:41:54 0.990	233.37	50.9
Saturday, March 12, 2016 3:46:54 0.990	238.32	50.1
Saturday, March 12, 2016 3:51:55 0.990	243.29	50.2
Saturday, March 12, 2016 3:56:55 0.990	248.24	50.4
Saturday, March 12, 2016 4:01:56 0.990	253.21	50.6
Saturday, March 12, 2016 4:06:56 0.990	258.16	50.1
Saturday, March 12, 2016 4:11:57 0.990	263.13	50.1
Saturday, March 12, 2016 4:16:57 0.990	268.08	50.5
Saturday, March 12, 2016 4:21:58 0.990	273.05	50.2
Saturday, March 12, 2016 4:26:58 0.990	278.00	49.7
Saturday, March 12, 2016 4:31:59 0.990	282.97	50.2
Saturday, March 12, 2016 4:37:00 0.990	287.94	50.7
Saturday, March 12, 2016 4:42:00 0.990	292.89	50.5
Saturday, March 12, 2016 4:47:01 0.990	297.86	50.8
Saturday, March 12, 2016 4:52:01 0.990	302.81	50.0
Saturday, March 12, 2016 4:57:02 0.990	307.78	50.7
Saturday, March 12, 2016 5:02:02 0.990	312.73	50.2
Saturday, March 12, 2016 5:07:03 0.990	317.70	50.0
Saturday, March 12, 2016 5:12:03 0.990	322.65	49.8
Saturday, March 12, 2016 5:17:04 0.990	327.62	50.6
Saturday, March 12, 2016 5:22:04 0.990	332.57	50.4
Saturday, March 12, 2016 5:27:05 0.990	337.54	50.6
Saturday, March 12, 2016 5:32:06 0.990	342.50	50.6
Saturday, March 12, 2016 5:37:06 0.990	347.46	50.4
Saturday, March 12, 2016 5:42:07 0.990	352.42	50.8
Saturday, March 12, 2016 5:47:07 0.990	357.38	50.5
Saturday, March 12, 2016 5:52:08 0.990	362.34	50.1
Saturday, March 12, 2016 5:57:08 0.990	367.29	50.8
Saturday, March 12, 2016 6:02:09 0.990	372.26	50.2
Saturday, March 12, 2016 6:07:09 0.990	377.21	50.4
Saturday, March 12, 2016 6:12:10 0.990	382.18	50.2
Saturday, March 12, 2016 6:17:11 0.990	387.15	50.1
Saturday, March 12, 2016 6:22:11 0.990	392.10	49.6
Saturday, March 12, 2016 6:27:12 0.990	397.07	50.5
Saturday, March 12, 2016 6:32:12 0.990	402.02	50.7
Saturday, March 12, 2016 6:37:13 0.990	406.99	50.4
Saturday, March 12, 2016 6:42:13 0.990	411.94	50.6
Saturday, March 12, 2016 6:47:14 0.990	416.91	50.8
Saturday, March 12, 2016 6:52:14 0.990	421.86	50.1
Saturday, March 12, 2016 6:57:15 0.990	426.83	50.3

Saturday, March 12, 2016 7:02:15 0.990	431.78	49.7
Saturday, March 12, 2016 7:07:16 0.990	436.75	50.2
Saturday, March 12, 2016 7:12:16 0.990	441.70	50.3
Saturday, March 12, 2016 7:17:17 0.990	446.67	50.7
Saturday, March 12, 2016 7:22:17 0.990	451.62	50.4
Saturday, March 12, 2016 7:27:18 0.990	456.59	50.4
Saturday, March 12, 2016 7:32:18 0.990	461.54	50.8
Saturday, March 12, 2016 7:37:19 0.990	466.51	50.4
Saturday, March 12, 2016 7:42:20 0.990	471.47	50.3
Saturday, March 12, 2016 7:47:20 0.990	476.43	50.1
Saturday, March 12, 2016 7:52:21 0.990	481.39	50.5
Saturday, March 12, 2016 7:57:21 0.990	486.35	49.9
Saturday, March 12, 2016 8:02:22 0.990	491.31	50.5
Saturday, March 12, 2016 8:07:22 0.990	496.26	50.9
Saturday, March 12, 2016 8:12:23 0.990	501.23	50.5
Saturday, March 12, 2016 8:17:23 0.990	506.18	49.9
Saturday, March 12, 2016 8:22:24 0.990	511.15	50.1
Saturday, March 12, 2016 8:27:24 0.990	516.10	50.0
Saturday, March 12, 2016 8:32:25 0.990	521.07	50.1
Saturday, March 12, 2016 8:37:25 0.990	526.02	50.9
Saturday, March 12, 2016 8:42:26 0.990	530.99	50.7
Saturday, March 12, 2016 8:47:27 0.990	535.96	50.5
Saturday, March 12, 2016 8:52:27 0.990	540.91	50.1
Saturday, March 12, 2016 8:57:28 0.990	545.88	49.9
Saturday, March 12, 2016 9:02:28 0.990	550.83	50.9
Saturday, March 12, 2016 9:07:29 0.990	555.80	50.1
Saturday, March 12, 2016 9:12:29 0.990	560.75	50.2
Saturday, March 12, 2016 9:17:30 0.990	565.72	50.1
Saturday, March 12, 2016 9:22:30 0.990	570.67	50.4
Saturday, March 12, 2016 9:27:31 0.990	575.64	50.3
Saturday, March 12, 2016 9:32:31 0.990	580.59	50.7
Saturday, March 12, 2016 9:37:32 0.990	585.56	50.4
Saturday, March 12, 2016 9:42:32 0.990	590.51	50.6
Saturday, March 12, 2016 9:47:33 0.990	595.48	50.7
Saturday, March 12, 2016 9:52:34 0.990	600.45	50.2
Saturday, March 12, 2016 9:57:34 0.990	605.40	50.4
Saturday, March 12, 2016 10:02:35 0.990	610.37	50.7
Saturday, March 12, 2016 10:07:35 0.990	615.32	50.4
Saturday, March 12, 2016 10:12:36 0.990	620.29	50.5
Saturday, March 12, 2016 10:17:36 0.990	625.24	50.3
Saturday, March 12, 2016 10:22:37 0.990	630.21	50.4
Saturday, March 12, 2016 10:27:37 0.990	635.16	50.1
Saturday, March 12, 2016 10:32:38 0.990	640.13	50.8
Saturday, March 12, 2016 10:37:38 0.990	645.08	50.9
Saturday, March 12, 2016 10:42:39 0.990	650.05	50.4
Saturday, March 12, 2016 10:47:40 0.990	655.02	50.4
Saturday, March 12, 2016 10:52:40 0.990	659.97	50.5
Saturday, March 12, 2016 10:57:41 0.990	664.94	50.6
Saturday, March 12, 2016 11:02:41 0.990	669.89	50.2
Saturday, March 12, 2016 11:07:42 0.990	674.86	50.1
Saturday, March 12, 2016 11:12:42 0.990	679.81	50.9
Saturday, March 12, 2016 11:17:43 0.990	684.78	49.8
Saturday, March 12, 2016 11:22:43 0.990	689.73	50.0
Saturday, March 12, 2016 11:27:44 0.990	694.70	50.8

Saturday, March 12, 2016 11:32:45 0.990	699.67	50.3
Saturday, March 12, 2016 11:37:45 0.990	704.62	50.6
Saturday, March 12, 2016 11:42:46 0.990	709.59	50.6
Saturday, March 12, 2016 11:46:04 0.990	712.86	50.2

formaldehyde001 Ch. 1 Cartridge Started Thursday, March 17, 2016 6:00:00 Flow Rate Set Point 1.00 l/min Stopped Thursday, March 17, 2016 18:00:25 Total Volume 713.31 liters Total Sample Time 12.00 hours Average Flow Rate 0.991 l/min Minimum Flow Rate 0.991 l/min Maximum Flow Rate 0.991 l/min Pre Start Leak Rate -0.003 l/min Ending Leak Rate -0.006 l/min Flow Controller Zero -0.002 l/min Error Code 0 Error Status OK No Errors

aqms5

Time	Flow	Rate	Volume	Tem	р
Thursday, March 17,	2016	6:00:27	0.079	0.23	50.5
Thursday, March 17,	2016	6:05:27	0.991	5.18	50.5
Thursday, March 17,	2016	6:10:28	0.991	10.15	50.3
Thursday, March 17,	2016	6:15:28	0.991	15.11	50.1
Thursday, March 17,	2016	6:20:29	0.991	20.08	50.1
Thursday, March 17,	2016	6:25:30	0.991	25.05	50.4
Thursday, March 17,	2016	6:30:30	0.991	30.00	50.4
Thursday, March 17,	2016	6:35:31	0.991	34.97	50.7
Thursday, March 17,	2016	6:40:31	0.991	39.92	50.7
Thursday, March 17,	2016	6:45:32	0.991	44.89	50.6
Thursday, March 17,	2016	6:50:32	0.991	49.85	49.6
Thursday, March 17,	2016	6:55:33	0.991	54.82	50.5
Thursday, March 17,	2016	7:00:34	0.991	59.79	50.4
Thursday, March 17,	2016	7:05:34	0.991	64.74	50.2
Thursday, March 17,	2016	7:10:35	0.991	69.71	50.6
Thursday, March 17,	2016	7:15:35	0.991	74.67	50.9
Thursday, March 17,	2016	7:20:36	0.991	79.64	50.1
Thursday, March 17,	2016	7:25:37	0.991	84.61	50.1
Thursday, March 17,	2016	7:30:37	0.991	89.56	50.0
Thursday, March 17,	2016	7:35:38	0.991	94.53	50.3
Thursday, March 17,	2016	7:40:39	0.991	99.51	50.7
Thursday, March 17,	2016	7:45:39	0.991	104.46	50.7
Thursday, March 17,	2016	7:50:40	0.991	109.43	51.0
Thursday, March 17,	2016	7:55:41	0.991	114.40	51.0
Thursday, March 17,	2016	8:00:41	0.991	119.36	50.4
Thursday, March 17,	2016	8:05:42	0.991	124.33	50.2
Thursday, March 17,	2016	8:10:42	0.991	129.28	50.0
Thursday, March 17,	2016	8:15:43	0.991	134.25	50.6
Thursday, March 17,	2016	8:20:44	0.991	139.22	50.2
Thursday, March 17,	2016	8:25:44	0.991	144.18	50.6
Thursday, March 17,	2016	8:30:45	0.991	149.15	50.7
Thursday, March 17,	2016	8:35:46	0.991	154.12	50.8
Thursday, March 17,	2016	8:40:46	0.991	159.07	49.9

Thursday, March 17, 2016 8:45:47 0.991	164.05	50.5
Thursday, March 17, 2016 8:50:47 0.991	169.00	50.2
Thursday, March 17, 2016 8:55:48 0.991	173.97	50.5
Thursday, March 17, 2016 9:00:49 0.991	178.94	50.9
Thursday, March 17, 2016 9:05:49 0.991	183.90	49.8
Thursday, March 17, 2016 9:10:50 0.991	188.87	50.8
Thursday, March 17, 2016 9:15:51 0.991	193.84	50.4
Thursday, March 17, 2016 9:20:51 0.991	198.79	50.1
Thursday, March 17, 2016 9:25:52 0.991	203.76	50.8
Thursday, March 17, 2016 9:30:52 0.991	208.72	50.4
Thursday, March 17, 2016 9:35:53 0.991	213.69	50.6
Thursday, March 17, 2016 9:40:54 0.991	218.66	49.7
Thursday, March 17, 2016 9:45:54 0.991	223.62	50.9
Thursday, March 17, 2016 9:50:55 0.991	228.59	50.4
Thursday, March 17, 2016 9:55:55 0.991	233.54	50.5
Thursday, March 17, 2016 10:00:56 0.991	238.51	50.9
Thursday, March 17, 2016 10:05:57 0 991	243.48	50.9
Thursday, March 17, 2016 10:00:07 0.991	248.44	50.4
Thursday, March 17, 2016 10:15:58 0 991	253.41	49.7
Thursday, March 17, 2016 10:10:50 0:991	258 38	50.1
Thursday, March 17, 2016 10:25:59 0.991	263 33	50.1
Thursday, March 17, 2016 10:22:09 0:991	268.31	50.0
Thursday, March 17, 2016 10:31:00 0.991	200.31	50.0
Thursday, March 17, 2010 10:50:01 0:591 Thursday March 17, 2016 10:41:01 0 991	278.20	50.5
Thursday, March 17, 2010 10:41:01 0:991 Thursday March 17, 2016 10:46:02 0 991	283.20	50.0
Thursday, March 17, 2010 10:40.02 0.991 Thursday March 17, 2016 10:51:02 0.991	203.20	50.0
Thursday, March 17, 2010 10:51:02 0.991 Thursday March 17, 2016 10:56:03 0 991	200.10	50.5
Thursday, March 17, 2016 10:00:05 0:001 Thursday March 17, 2016 11:01:04 0 991	298.10	50.0
Thursday, March 17, 2010 11:01:04 0.991	303.05	70.5 70.5
Thursday, March 17, 2010 11:00.04 0.991 Thursday March 17, 2016 11:11:05 0.901	308.02	$\frac{1}{50.2}$
Thursday, March 17, 2010 11:11:05 0.991	312.99	50.2
Thursday, March 17, 2010 11:10:00 0.991 Thursday March 17, 2016 11:21:06 0.991	317.95	70.2 70.2
Thursday, March 17, 2010 11.21.00 0.991 Thursday, March 17, 2016 11:26:07 0 901	317.00	4).) 50.6
Thursday, March 17, 2010 11:20:07 0.991	322.92	<i>J</i> 0.0 ∕10 0
Thursday, March 17, 2010 11:31:07 0.991 Thursday, March 17, 2016 11:36:08 0.901	327.87	49.9 50.5
Thursday, March 17, 2010 11:50:00 0.991 Thursday, March 17, 2016 11:41:00 0.901	332.04	50.5
Thursday, March 17, 2010 11.41.09 0.991 Thursday March 17, 2016 11:46:00 0.001	312 77	50.1
Thursday, March 17, 2016 11:40.09 0.991 Thursday, March 17, 2016 11:51:10.0.901	342.77	51.0
Thursday, March 17, 2016 11:51:10 0.991 Thursday, March 17, 2016 11:56:11 0.901	347.74	50.0
Thursday, March 17, 2010 11:50:11 0.991 Thursday, March 17, 2016 12:01:11 0.901	357.67	50.0
Thursday, March 17, 2010 12:01:11 0:001 Thursday, March 17, 2016 12:06:12 0 901	367.67	50.2
Thursday, March 17, 2016 12:00:12 0.991 Thursday, March 17, 2016 12:11:12 0.901	367 50	50.9
Thursday, March 17, 2010 12.11.12 0.991 Thursday, March 17, 2016 12:16:13 0.001	307.39	50.7
Thursday, March 17, 2010 12:10:15 0.991 Thursday, March 17, 2016 12:21:14 0.901	372.30	50.4
Thursday, March 17, 2010 12.21.14 0.991 Thursday, March 17, 2016 12:26:14 0.001	387.40	<i>J</i> 0.2 <i>A</i> 0.0
Thursday, March 17, 2016 12:20.14 0.991 Thursday, March 17, 2016 12:21:15 0.001	207.49	49.9
Thursday, March 17, 2016 12:51:15 0.991 Thursday, March 17, 2016 12:26:16 0.001	202.42	50.5
Thursday, March 17, 2016 12:50:10 0.991 Thursday, March 17, 2016 12:41:16 0.001	207 20	50.5
Thursday, March 17, 2016 12:41:10 0.991 Thursday, March 17, 2016 12:46:17,0 001	397.30	50.8
Thursday, March 17, 2010 12:40:17 0.001	402.33	50.2
Thursday, March 17, 2010 12:51:17 0.991 Thursday, March 17, 2016 12:56:18 0.001	407.31	30.3 50.5
Thursday, March 17, 2010 12:30:18 0.991 Thursday, March 17, 2016 12:01:10 0.001	412.28	30.3 40 5
Thursday, March 17, 2016 13:01:19 0.991 Thursday, March 17, 2016 12:06:10 0.001	417.25	49.3 50.0
Thursday, March 17, 2016 13:06:19 0.991	422.21	50.9
Inursday, March 17, 2016 13:11:20 0.991	427.18	49.7

Thursday, March 17, 2016 13:16:21 0.991	432.15	50.8
Thursday, March 17, 2016 13:21:21 0.991	437.10	49.9
Thursday, March 17, 2016 13:26:22 0.991	442.07	50.5
Thursday, March 17, 2016 13:31:23 0.991	447.04	50.4
Thursday, March 17, 2016 13:36:23 0.991	452.00	50.2
Thursday, March 17, 2016 13:41:24 0.991	456.97	50.6
Thursday, March 17, 2016 13:46:24 0.991	461.92	50.1
Thursday, March 17, 2016 13:51:25 0.991	466.90	50.9
Thursday, March 17, 2016 13:56:26 0.991	471.87	50.5
Thursday, March 17, 2016 14:01:26 0.991	476.82	49.2
Thursday, March 17, 2016 14:06:27 0.991	481.79	50.3
Thursday, March 17, 2016 14:11:28 0.991	486.76	49.8
Thursday, March 17, 2016 14:16:28 0.991	491.72	50.1
Thursday, March 17, 2016 14:21:29 0.991	496.69	50.9
Thursday, March 17, 2016 14:26:29 0.991	501.64	50.4
Thursday, March 17, 2016 14:31:30 0.991	506.61	50.5
Thursday, March 17, 2016 14:36:31 0.991	511.59	50.9
Thursday, March 17, 2016 14:41:31 0.991	516.54	50.5
Thursday, March 17, 2016 14:46:32 0.991	521.51	50.8
Thursday, March 17, 2016 14:51:33 0.991	526.48	50.2
Thursday, March 17, 2016 14:56:33 0.991	531.44	50.1
Thursday, March 17, 2016 15:01:34 0.991	536.41	50.1
Thursday, March 17, 2016 15:06:34 0.991	541.37	50.6
Thursday, March 17, 2016 15:11:35 0.991	546.34	51.1
Thursday, March 17, 2016 15:16:36 0.991	551.31	50.6
Thursday, March 17, 2016 15:21:36 0.991	556.26	50.2
Thursday, March 17, 2016 15:26:37 0.991	561.24	50.6
Thursday, March 17, 2016 15:31:38 0.991	566.21	50.0
Thursday, March 17, 2016 15:36:38 0.991	571.16	50.1
Thursday, March 17, 2016 15:41:39 0.991	576.13	50.9
Thursday, March 17, 2016 15:46:39 0.991	581.09	50.6
Thursday, March 17, 2016 15:51:40 0.991	586.06	50.2
Thursday, March 17, 2016 15:56:41 0.991	591.03	50.1
Thursday, March 17, 2016 16:01:41 0.991	595.99	50.5
Thursday, March 17, 2016 16:06:42 0.991	600.96	50.9
Thursday, March 17, 2016 16:11:43 0.991	605.93	50.0
Thursday, March 17, 2016 16:16:43 0.991	610.88	50.1
Thursday, March 17, 2016 16:21:44 0.991	615.86	50.3
Thursday, March 17, 2016 16:26:44 0.991	620.81	50.3
Thursday, March 17, 2016 16:31:45 0.991	625.78	50.7
Thursday, March 17, 2016 16:36:46 0.991	630.75	50.3
Thursday, March 17, 2016 16:41:46 0.991	635.71	50.4
Thursday, March 17, 2016 16:46:47 0.991	640.68	50.4
Thursday, March 17, 2016 16:51:48 0.991	645.65	50.1
Thursday, March 17, 2016 16:56:48 0.991	650.61	49.9
Thursday, March 17, 2016 17:01:49 0.991	655.58	50.8
Thursday, March 17, 2016 17:06:50 0.991	660.55	50.4
Thursday, March 17, 2016 17:11:50 0.991	665.51	50.7
Thursday, March 17, 2016 17:16:51 0.991	670.48	50.7
Thursday, March 17, 2016 17:21:52 0.991	675.45	50.4
Thursday, March 17, 2016 17:26:52 0.991	680.40	50.5
Thursday, March 17, 2016 17:31:53 0.991	685.38	50.7
Thursday, March 17, 2016 17:36:53 0.991	690.33	50.8
Thursday, March 17, 2016 17:41:54 0.991	695.30	51.1

Thursday, March 17, 2016 17:46:55 0.991	700.27	50.1
Thursday, March 17, 2016 17:51:55 0.991	705.23	49.8
Thursday, March 17, 2016 17:56:56 0.991	710.20	50.6
Thursday, March 17, 2016 18:00:04 0.991	713.31	50.2

aqms5 formaldehyde002 Ch. 2 Cartridge Started Thursday, March 17, 2016 18:15:01 Flow Rate Set Point 1.00 l/min Stopped Friday, March 18, 2016 6:15:23 Total Volume 712.84 liters Total Sample Time 12.00 hours Average Flow Rate 0.990 l/min Minimum Flow Rate 0.990 l/min Maximum Flow Rate 0.991 l/min Pre Start Leak Rate 0.001 l/min Ending Leak Rate -0.006 l/min Flow Controller Zero -0.003 l/min Error Code 0 Error Status OK No Errors

Time	Flow	Rate	Volume	Temp	1
Thursday March 17	2016	18.15	$\cdot 28.0.080$	0.22	49 7
Thursday, March 17, Thursday March 17	2016	18.20	$\cdot 290.0000$	5.19	50.5
Thursday, March 17, Thursday, March 17,	2016	18:25	:30 0.990	10.16	50.5
Thursday, March 17, Thursday, March 17.	2016	18:30	:30 0.990	15.11	50.1
Thursday, March 17, Thursday, March 17.	2016	18:35	:31 0.990	20.08	49.7
Thursday, March 17.	2016	18:40	:31 0.990	25.03	50.6
Thursday, March 17,	2016	18:45	:32 0.990	30.00	50.2
Thursday, March 17,	2016	18:50	:33 0.990	34.97	50.1
Thursday, March 17,	2016	18:55	:33 0.990	39.92	51.2
Thursday, March 17,	2016	19:00	:34 0.990	44.89	50.9
Thursday, March 17,	2016	19:05	:35 0.990	49.85	50.2
Thursday, March 17,	2016	19:10	:35 0.990	54.81	50.6
Thursday, March 17,	2016	19:15	:36 0.990	59.77	49.6
Thursday, March 17,	2016	19:20	:37 0.990	64.74	50.1
Thursday, March 17,	2016	19:25	:37 0.990	69.69	50.1
Thursday, March 17,	2016	19:30	:38 0.990	74.66	50.6
Thursday, March 17,	2016	19:35	:38 0.990	79.61	50.5
Thursday, March 17,	2016	19:40	:39 0.990	84.58	50.4
Thursday, March 17,	2016	19:45	:40 0.990	89.55	50.2
Thursday, March 17,	2016	19:50	:40 0.990	94.50	51.0
Thursday, March 17,	2016	19:55	:41 0.990	99.47	50.5
Thursday, March 17,	2016	20:00	:42 0.990	104.44	49.7
Thursday, March 17,	2016	20:05	:42 0.990	109.39	50.9
Thursday, March 17,	2016	20:10	:43 0.990	114.36	51.0
Thursday, March 17,	2016	20:15	:44 0.990	119.33	50.0
Thursday, March 17,	2016	20:20	:44 0.990	124.28	51.1
Thursday, March 17,	2016	20:25	:45 0.990	129.25	50.8
Thursday, March 17,	2016	20:30	:46 0.990	134.21	49.8
Thursday, March 17,	2016	20:35	:46 0.990	139.17	50.7
Thursday, March 17,	2016	20:40	:47 0.990	144.13	50.2
Thursday, March 17,	2016	20:45	:47 0.990	149.09	50.5
Thursday, March 17,	2016	20:50	:48 0.990	154.05	49.9
Thursday, March 17,	2016	20:55	:49 0.990	159.02	51.0

Thursday, March 17, 2016 21:05:10.990 168.94 50.6 Thursday, March 17, 2016 21:15:51 0.990 178.86 50.2 Thursday, March 17, 2016 21:20:52 0.990 183.83 50.2 Thursday, March 17, 2016 21:30:53 0.990 198.72 50.1 Thursday, March 17, 2016 21:35:54 0.990 203.67 50.2 Thursday, March 17, 2016 21:45:55 0.990 203.67 50.2 Thursday, March 17, 2016 21:45:55 0.990 213.61 51.1 Thursday, March 17, 2016 22:05:58 0.990 223.35 50.8 Thursday, March 17, 2016 22:05:58 0.990 223.45 50.6 Thursday, March 17, 2016 22:15:59 0.990 233.45 50.1 Thursday, March 17, 2016 22:26:00 0.990 243.37 50.7 Thursday, March 17, 2016 22:26:00 0.990 248.33 49.8 Thursday, March 17, 2016 22:31:01 0.990 253.30 50.9 Thursday, March 17, 2016 22:46:03 0.990 268.19 50.6 Thursday, March 17, 2016 22:46:03 0.990 268.19 50.6 Thursday, March 17, 2016 22:10:05 0.990 288.03 50.1 Thursday, March 17, 2016 22:10:05 0.990 288.03 50.1 Thursday, March 17, 2016 23:10:05 0.990	Thursday, March 17, 2016 21:00:49 0.99	0 163.9	7 51.0
Thursday, March 17, 2016 21:10:51 0.990 173.91 50.4 Thursday, March 17, 2016 21:20:52 0.990 183.83 50.2 Thursday, March 17, 2016 21:20:53 0.990 188.80 51.0 Thursday, March 17, 2016 21:30:53 0.990 193.75 50.9 Thursday, March 17, 2016 21:30:53 0.990 198.72 50.1 Thursday, March 17, 2016 21:45:55 0.990 203.67 50.2 Thursday, March 17, 2016 21:50:56 0.990 213.61 51.1 Thursday, March 17, 2016 22:05:58 0.990 233.45 50.1 Thursday, March 17, 2016 22:10:58 0.990 233.45 50.1 Thursday, March 17, 2016 22:10:58 0.990 233.45 50.1 Thursday, March 17, 2016 22:10:59 0.990 248.33 49.8 Thursday, March 17, 2016 22:31:01 0.990 253.30 50.9 Thursday, March 17, 2016 22:41:02 0.990 248.33 49.8 Thursday, March 17, 2016 22:41:02 0.990 248.33 49.8 Thursday, March 17, 2016 22:41:02 0.990 273.14 51.1 Thursday, March 17, 2016 22:41:02 0.990 273.14 51.1 Thursday, March 17, 2016 22:30:05 0.990 283.08 50.1 Thursday, March 17, 2016 23:10:05 0.990 <td>Thursday, March 17, 2016 21:05:50 0.99</td> <td>0 168.9</td> <td>4 50.6</td>	Thursday, March 17, 2016 21:05:50 0.99	0 168.9	4 50.6
Thursday, March 17, 2016 21:15:51 0.990 178.86 50.2 Thursday, March 17, 2016 21:20:52 0.990 188.80 51.0 Thursday, March 17, 2016 21:30:53 0.990 198.75 50.9 Thursday, March 17, 2016 21:30:54 0.990 198.72 50.1 Thursday, March 17, 2016 21:40:54 0.990 203.67 50.2 Thursday, March 17, 2016 21:50:56 0.990 218.64 50.1 Thursday, March 17, 2016 21:50:56 0.990 223.53 50.8 Thursday, March 17, 2016 22:00:57 0.990 223.34 50.6 Thursday, March 17, 2016 22:00:57 0.990 238.41 50.8 Thursday, March 17, 2016 22:10:58 0.990 233.45 50.7 Thursday, March 17, 2016 22:30:90 233.45 50.7 Thursday, March 17, 2016 22:30:90 233.30 50.9 Thursday, March 17, 2016 22:30:00 0.990 243.37 50.7 Thursday, March 17, 2016 22:30:00 0.990 248.33 49.8 Thursday, March 17, 2016 22:30:00 0.990 268.19 50.6 Thursday, March 17, 2016 22:10:30 0.990 273.14 51.1 Thursday, March 17, 2016 23:01:05 0.990 288.03 50.1 Thursday, March 17, 2016 23:10:07 0.990	Thursday, March 17, 2016 21:10:51 0.99	0 173.9	1 50.4
Thursday, March 17, 2016 21:20:52 0.990 183.83 50.2 Thursday, March 17, 2016 21:35:53 0.990 198.80 51.0 Thursday, March 17, 2016 21:35:54 0.990 198.72 50.1 Thursday, March 17, 2016 21:40:54 0.990 203.67 50.2 Thursday, March 17, 2016 21:40:55 0.990 213.61 51.1 Thursday, March 17, 2016 21:55:56 0.990 213.61 51.1 Thursday, March 17, 2016 22:05:58 0.990 223.35 50.8 Thursday, March 17, 2016 22:05:58 0.990 233.45 50.1 Thursday, March 17, 2016 22:05:9 0.990 233.45 50.7 Thursday, March 17, 2016 22:15:59 0.990 248.33 49.8 Thursday, March 17, 2016 22:31:01 0.990 248.33 49.8 Thursday, March 17, 2016 22:31:01 0.990 248.33 50.2 Thursday, March 17, 2016 22:31:01 0.990 248.33 50.2 Thursday, March 17, 2016 22:31:01 0.990 273.14 51.1 Thursday, March 17, 2016 22:31:01 0.990 273.14 51.1 Thursday, March 17, 2016 22:51:03 0.990 273.14 51.1 Thursday, March 17, 2016 23:10:05 0.990 278.11 49.7 Thursday, March 17, 2016 23:10:05 0.990	Thursday, March 17, 2016 21:15:51 0.99	0 178.8	6 50.2
Thursday, March 17, 2016 21:25:53 0.990 188.80 51.0 Thursday, March 17, 2016 21:30:53 0.990 193.75 50.9 Thursday, March 17, 2016 21:40:54 0.990 203.67 50.2 Thursday, March 17, 2016 21:45:55 0.990 218.66 450.1 Thursday, March 17, 2016 21:50:56 0.990 218.56 49.7 Thursday, March 17, 2016 22:00:57 0.990 223.53 50.8 Thursday, March 17, 2016 22:10:58 0.990 233.45 50.1 Thursday, March 17, 2016 22:10:58 0.990 233.45 50.1 Thursday, March 17, 2016 22:20:59 0.990 243.37 50.7 Thursday, March 17, 2016 22:36:01 0.990 243.33 49.8 Thursday, March 17, 2016 22:36:01 0.990 248.33 49.8 Thursday, March 17, 2016 22:36:01 0.990 258.25 50.2 Thursday, March 17, 2016 22:36:01 0.990 258.25 50.2 Thursday, March 17, 2016 22:36:00 0.990 278.14 51.1 Thursday, March 17, 2016 22:36:00 0.990 278.14 51.1 Thursday, March 17, 2016 23:01:05 0.990 288.03 50.1 Thursday, March 17, 2016 23:21:07 0.990 228.25 51.0 Thursday, March 17, 2016 23:21:07 0.990 <td>Thursday, March 17, 2016 21:20:52 0.99</td> <td>0 183.8</td> <td>3 50.2</td>	Thursday, March 17, 2016 21:20:52 0.99	0 183.8	3 50.2
Thursday, March 17, 2016 21:30:53 0.990 193.75 50.9 Thursday, March 17, 2016 21:40:54 0.990 198.72 50.1 Thursday, March 17, 2016 21:40:55 0.990 203.67 50.2 Thursday, March 17, 2016 21:55:56 0.990 213.51 51.1 Thursday, March 17, 2016 21:55:56 0.990 218.56 49.7 Thursday, March 17, 2016 22:10:58 0.990 228.49 50.6 Thursday, March 17, 2016 22:10:58 0.990 238.41 50.8 Thursday, March 17, 2016 22:10:59 0.990 243.37 50.7 Thursday, March 17, 2016 22:20:59 0.990 243.33 49.8 Thursday, March 17, 2016 22:31:01 0.990 253.30 50.9 Thursday, March 17, 2016 22:46:03 0.990 288.19 50.6 Thursday, March 17, 2016 22:46:03 0.990 288.19 50.6 Thursday, March 17, 2016 22:46:03 0.990 288.19 50.6 Thursday, March 17, 2016 22:46:03 0.990 278.11 49.7 Thursday, March 17, 2016 23:10:05 0.990 283.08 50.1 Thursday, March 17, 2016 23:10:05 0.990 280.08 50.1 Thursday, March 17, 2016 23:10:06 0.990 278.11 49.7 Thursday, March 17, 2016 23:31:08 0.990 <td>Thursday, March 17, 2016 21:25:53 0.99</td> <td>0 188.8</td> <td>0 51.0</td>	Thursday, March 17, 2016 21:25:53 0.99	0 188.8	0 51.0
Thursday, March 17, 2016 21:35:54 0.990 198.72 50.1 Thursday, March 17, 2016 21:40:54 0.990 203.67 50.2 Thursday, March 17, 2016 21:50:56 0.990 218.56 49.7 Thursday, March 17, 2016 21:55:56 0.990 223.53 50.8 Thursday, March 17, 2016 22:00:57 0.990 223.45 50.1 Thursday, March 17, 2016 22:01:58 0.990 233.45 50.1 Thursday, March 17, 2016 22:20:59 0.990 238.41 50.8 Thursday, March 17, 2016 22:20:59 0.990 248.33 49.8 Thursday, March 17, 2016 22:31:01 0.990 253.30 50.9 Thursday, March 17, 2016 22:31:01 0.990 258.25 50.2 Thursday, March 17, 2016 22:41:02 0.990 263.22 50.2 Thursday, March 17, 2016 22:51:03 0.990 278.11 49.8 Thursday, March 17, 2016 22:51:03 0.990 278.11 49.1 Thursday, March 17, 2016 23:01:05 0.990 288.03 50.1 Thursday, March 17, 2016 23:11:06 0.990 288.03 50.1 Thursday, March 17, 2016 23:26:08 0.990 317.89 49.8 Thursday, March 17, 2016 23:26:08 0.990 317.81 50.8 Thursday, March 17, 2016 23:31:06 0.990 <td>Thursday, March 17, 2016 21:30:53 0.99</td> <td>0 193.7</td> <td>5 50.9</td>	Thursday, March 17, 2016 21:30:53 0.99	0 193.7	5 50.9
Thursday, March 17, 2016 21:40:54 0.990 203.67 50.2 Thursday, March 17, 2016 21:50:56 0.990 213.61 51.1 Thursday, March 17, 2016 21:50:56 0.990 218.56 49.7 Thursday, March 17, 2016 22:00:57 0.990 228.49 50.6 Thursday, March 17, 2016 22:00:57 0.990 238.41 50.8 Thursday, March 17, 2016 22:15:59 0.990 238.41 50.8 Thursday, March 17, 2016 22:20:59 0.990 243.37 50.7 Thursday, March 17, 2016 22:31:01 0.990 243.33 49.8 Thursday, March 17, 2016 22:36:01 0.990 248.33 49.8 Thursday, March 17, 2016 22:36:01 0.990 258.25 50.2 Thursday, March 17, 2016 22:36:01 0.990 258.25 50.2 Thursday, March 17, 2016 22:36:04 0.990 268.19 50.6 Thursday, March 17, 2016 23:01:05 0.990 278.11 49.7 Thursday, March 17, 2016 23:01:05 0.990 288.03 50.1 Thursday, March 17, 2016 23:01:05 0.990 288.03 50.1 Thursday, March 17, 2016 23:31:06 0.990 278.11 49.7 Thursday, March 17, 2016 23:31:08 0.990 312.84 50.2 Thursday, March 17, 2016 23:31:08 0.990 <td>Thursday, March 17, 2016 21:35:54 0.99</td> <td>0 198.7</td> <td>2 50.1</td>	Thursday, March 17, 2016 21:35:54 0.99	0 198.7	2 50.1
Thursday, March 17, 2016 21:45:55 0.990 208.64 50.1 Thursday, March 17, 2016 21:50:56 0.990 213.61 51.1 Thursday, March 17, 2016 22:00:57 0.990 223.53 50.8 Thursday, March 17, 2016 22:10:58 0.990 223.45 50.1 Thursday, March 17, 2016 22:10:58 0.990 223.45 50.1 Thursday, March 17, 2016 22:10:58 0.990 238.41 50.8 Thursday, March 17, 2016 22:20:59 0.990 243.37 50.7 Thursday, March 17, 2016 22:31:01 0.990 253.30 50.9 Thursday, March 17, 2016 22:46:03 0.990 248.33 49.8 Thursday, March 17, 2016 22:46:03 0.990 258.25 50.2 Thursday, March 17, 2016 22:46:03 0.990 278.11 49.7 Thursday, March 17, 2016 22:56:04 0.990 278.11 49.7 Thursday, March 17, 2016 23:10:05 0.990 283.08 50.1 Thursday, March 17, 2016 23:10:05 0.990 283.08 50.1 Thursday, March 17, 2016 23:10:05 0.990 283.08 50.1 Thursday, March 17, 2016 23:10:05 0.990 280.05 51.1 Thursday, March 17, 2016 23:10:05 0.990 312.84 50.2 Thursday, March 17, 2016 23:26:08 0.990 <td>Thursday, March 17, 2016 21:40:54 0.99</td> <td>203.6</td> <td>7 50.2</td>	Thursday, March 17, 2016 21:40:54 0.99	203.6	7 50.2
Thursday, March 17, 2016 21:50:56 0.990 213.61 51.1 Thursday, March 17, 2016 21:55:56 0.990 218.56 49.7 Thursday, March 17, 2016 22:00:57 0.990 223.53 50.8 Thursday, March 17, 2016 22:00:58 0.990 223.45 50.1 Thursday, March 17, 2016 22:10:58 0.990 238.41 50.8 Thursday, March 17, 2016 22:20:59 0.990 248.33 49.8 Thursday, March 17, 2016 22:26:00 0.990 248.33 49.8 Thursday, March 17, 2016 22:36:01 0.990 253.30 50.9 Thursday, March 17, 2016 22:36:01 0.990 258.25 50.2 Thursday, March 17, 2016 22:51:03 0.990 268.19 50.6 Thursday, March 17, 2016 22:51:03 0.990 278.11 49.7 Thursday, March 17, 2016 22:51:03 0.990 278.11 49.7 Thursday, March 17, 2016 23:01:05 0.990 288.03 50.1 Thursday, March 17, 2016 23:01:05 0.990 288.03 50.1 Thursday, March 17, 2016 23:21:07 0.990 302.92 50.1 Thursday, March 17, 2016 23:26:08 0.990 307.89 49.8 Thursday, March 17, 2016 23:36:09 0.990 317.81 50.8 Thursday, March 17, 2016 23:36:10 0.990 <td>Thursday, March 17, 2016 21:45:55 0.99</td> <td>208.6</td> <td>4 50.1</td>	Thursday, March 17, 2016 21:45:55 0.99	208.6	4 50.1
Thursday, March 17, 2016 21:55:56 0.990 218.56 49.7 Thursday, March 17, 2016 22:00:57 0.990 223.53 50.8 Thursday, March 17, 2016 22:00:57 0.990 223.45 50.1 Thursday, March 17, 2016 22:10:58 0.990 233.45 50.1 Thursday, March 17, 2016 22:20:59 0.990 243.37 50.7 Thursday, March 17, 2016 22:20:59 0.990 248.33 49.8 Thursday, March 17, 2016 22:31:01 0.990 258.25 50.2 Thursday, March 17, 2016 22:36:01 0.990 263.22 50.2 Thursday, March 17, 2016 22:46:03 0.990 263.22 50.2 Thursday, March 17, 2016 22:56:04 0.990 273.14 51.1 Thursday, March 17, 2016 23:01:05 0.990 288.03 50.1 Thursday, March 17, 2016 23:01:05 0.990 288.03 50.1 Thursday, March 17, 2016 23:10:06 0.990 297.95 51.1 Thursday, March 17, 2016 23:21:07 0.990 302.92 50.1 Thursday, March 17, 2016 23:31:08 0.990 312.84 50.2 Thursday, March 17, 2016 23:36:09 0.990 317.81 50.8 Thursday, March 17, 2016 23:51:11 0.990 322.78 51.1 Thursday, March 17, 2016 23:51:10 0.990 <td>Thursday, March 17, 2016 21:50:56 0.99</td> <td>213.6</td> <td>1 51.1</td>	Thursday, March 17, 2016 21:50:56 0.99	213.6	1 51.1
Thursday, March 17, 2016 22:00:57 0.990 223.53 50.8 Thursday, March 17, 2016 22:01:57 0.990 228.49 50.6 Thursday, March 17, 2016 22:10:58 0.990 233.45 50.1 Thursday, March 17, 2016 22:10:59 0.990 243.37 50.7 Thursday, March 17, 2016 22:20:59 0.990 248.33 49.8 Thursday, March 17, 2016 22:31:01 0.990 253.30 50.9 Thursday, March 17, 2016 22:31:01 0.990 263.22 50.2 Thursday, March 17, 2016 22:41:02 0.990 268.19 50.6 Thursday, March 17, 2016 22:46:03 0.990 268.19 50.6 Thursday, March 17, 2016 22:51:03 0.990 273.14 51.1 Thursday, March 17, 2016 23:01:05 0.990 288.03 50.1 Thursday, March 17, 2016 23:10:06 0.990 288.03 50.1 Thursday, March 17, 2016 23:10:06 0.990 287.95 51.1 Thursday, March 17, 2016 23:21:07 0.990 302.92 50.1 Thursday, March 17, 2016 23:21:07 0.990 322.78 50.2 Thursday, March 17, 2016 23:31:08 0.990 312.84 50.2 Thursday, March 17, 2016 23:46:10 0.990 327.73 51.1 Thursday, March 17, 2016 23:46:10 0.990 <td>Thursday, March 17, 2016 21:55:56 0.99</td> <td>218.0</td> <td>6 49 7</td>	Thursday, March 17, 2016 21:55:56 0.99	218.0	6 49 7
Thursday, March 17, 2016 22:05:58 0.990 228.49 50.6 Thursday, March 17, 2016 22:10:58 0.990 233.45 50.1 Thursday, March 17, 2016 22:15:59 0.990 243.37 50.7 Thursday, March 17, 2016 22:20:59 0.990 248.33 49.8 Thursday, March 17, 2016 22:20:59 0.990 248.33 49.8 Thursday, March 17, 2016 22:31:01 0.990 253.30 50.9 Thursday, March 17, 2016 22:46:03 0.990 263.22 50.2 Thursday, March 17, 2016 22:46:03 0.990 263.22 50.2 Thursday, March 17, 2016 22:46:03 0.990 268.19 50.6 Thursday, March 17, 2016 22:51:03 0.990 278.11 49.7 Thursday, March 17, 2016 22:56:04 0.990 278.11 49.7 Thursday, March 17, 2016 23:01:05 0.990 288.03 50.1 Thursday, March 17, 2016 23:21:07 0.990 302.92 50.1 Thursday, March 17, 2016 23:21:07 0.990 302.92 50.1 Thursday, March 17, 2016 23:21:07 0.990 312.84 50.2 Thursday, March 17, 2016 23:31:08 0.990 312.84 50.2 Thursday, March 17, 2016 23:46:10 0.990 32.70 50.4 Thursday, March 17, 2016 23:51:11 0.990	Thursday, March 17, 2016 22:00:57 0 99	2235	3 50.8
Thursday, March 17, 2016 22:10:58 0.990 233.45 50.1 Thursday, March 17, 2016 22:15:59 0.990 243.37 50.7 Thursday, March 17, 2016 22:20:59 0.990 243.37 50.7 Thursday, March 17, 2016 22:26:00 0.990 248.33 49.8 Thursday, March 17, 2016 22:26:00 0.990 248.33 49.8 Thursday, March 17, 2016 22:36:01 0.990 253.30 50.9 Thursday, March 17, 2016 22:46:03 0.990 268.19 50.6 Thursday, March 17, 2016 22:51:03 0.990 273.14 51.1 Thursday, March 17, 2016 22:56:04 0.990 278.11 49.7 Thursday, March 17, 2016 23:01:05 0.990 288.03 50.1 Thursday, March 17, 2016 23:01:05 0.990 288.03 50.1 Thursday, March 17, 2016 23:10:05 0.990 288.03 50.1 Thursday, March 17, 2016 23:21:07 0.990 302.92 50.1 Thursday, March 17, 2016 23:21:07 0.990 312.84 50.2 Thursday, March 17, 2016 23:26:08 0.990 317.81 50.4 Thursday, March 17, 2016 23:36:09 0.990 317.81 50.4 Thursday, March 17, 2016 23:56:12 0.990 327.75 51.1 Thursday, March 17, 2016 23:56:12 0.990 <td>Thursday, March 17, 2010 22:00:57 0:59 Thursday March 17, 2016 22:05:58 0.99</td> <td>223.3</td> <td>9 50.6</td>	Thursday, March 17, 2010 22:00:57 0:59 Thursday March 17, 2016 22:05:58 0.99	223.3	9 50.6
Thursday, March 17, 2016 22:15:59 0.990 238.41 50.8 Thursday, March 17, 2016 22:20:59 0.990 248.33 49.8 Thursday, March 17, 2016 22:23:01 0.990 248.33 49.8 Thursday, March 17, 2016 22:31:01 0.990 253.30 50.9 Thursday, March 17, 2016 22:41:02 0.990 263.22 50.2 Thursday, March 17, 2016 22:46:03 0.990 263.22 50.2 Thursday, March 17, 2016 22:46:03 0.990 268.19 50.6 Thursday, March 17, 2016 22:56:04 0.990 273.14 51.1 Thursday, March 17, 2016 23:01:05 0.990 283.08 50.1 Thursday, March 17, 2016 23:01:05 0.990 288.03 50.1 Thursday, March 17, 2016 23:10:05 0.990 288.03 50.1 Thursday, March 17, 2016 23:21:07 0.990 302.92 50.1 Thursday, March 17, 2016 23:21:07 0.990 302.92 50.1 Thursday, March 17, 2016 23:21:07 0.990 312.84 50.2 Thursday, March 17, 2016 23:36:09 0.990 317.81 50.8 Thursday, March 17, 2016 23:36:10 0.990 317.81 50.4 Thursday, March 17, 2016 23:56:12 0.990 327.73 51.1 Thursday, March 17, 2016 23:56:12 0.990 <td>Thursday, March 17, 2016 22:00:58 0.99</td> <td>220.1</td> <td>5 50.0</td>	Thursday, March 17, 2016 22:00:58 0.99	220.1	5 50.0
Thursday, March 17, 2016 22:10:59 0.990 243.37 50.7 Thursday, March 17, 2016 22:20:59 0.990 243.37 50.7 Thursday, March 17, 2016 22:31:01 0.990 253.30 50.9 Thursday, March 17, 2016 22:36:01 0.990 258.25 50.2 Thursday, March 17, 2016 22:41:02 0.990 263.22 50.2 Thursday, March 17, 2016 22:46:03 0.990 268.19 50.6 Thursday, March 17, 2016 22:56:04 0.990 273.14 51.1 Thursday, March 17, 2016 23:01:05 0.990 288.08 50.1 Thursday, March 17, 2016 23:01:05 0.990 288.03 50.1 Thursday, March 17, 2016 23:11:06 0.990 293.00 50.5 Thursday, March 17, 2016 23:21:07 0.990 302.92 50.1 Thursday, March 17, 2016 23:26:08 0.990 307.89 49.8 Thursday, March 17, 2016 23:31:08 0.990 312.84 50.2 Thursday, March 17, 2016 23:46:10 0.990 322.78 51.1 Thursday, March 17, 2016 23:51:11 0.990 322.70 50.4 Thursday, March 17, 2016 23:56:12 0.990 337.66 51.0 Friday, March 18, 2016 0:11:12 0.990 342.62 50.5 Friday, March 18, 2016 0:16:14 0.990	Thursday, March 17, 2010 22:10:50 0.99	233.1	1 50.8
Thursday, March 17, 2016 22:26:00 0.990 248.33 49.8 Thursday, March 17, 2016 22:36:01 0.990 253.30 50.9 Thursday, March 17, 2016 22:36:01 0.990 253.32 50.9 Thursday, March 17, 2016 22:36:01 0.990 263.22 50.2 Thursday, March 17, 2016 22:46:03 0.990 268.19 50.6 Thursday, March 17, 2016 22:56:04 0.990 273.14 51.1 Thursday, March 17, 2016 23:01:05 0.990 283.08 50.1 Thursday, March 17, 2016 23:01:05 0.990 283.08 50.1 Thursday, March 17, 2016 23:01:05 0.990 288.03 50.1 Thursday, March 17, 2016 23:10:06 0.990 293.00 50.5 Thursday, March 17, 2016 23:21:07 0.990 302.92 50.1 Thursday, March 17, 2016 23:26:08 0.990 307.89 49.8 Thursday, March 17, 2016 23:31:08 0.990 312.84 50.2 Thursday, March 17, 2016 23:36:09 0.990 317.81 50.8 Thursday, March 17, 2016 23:36:09 0.990 317.81 50.4 Thursday, March 17, 2016 23:51:11 0.990 322.70 50.4 Thursday, March 17, 2016 23:55:12 0.990 37.66 51.0 Friday, March 18, 2016 0:11:12 0.990	Thursday, March 17, 2010 22:15:59 0.99	250.4	7 50.7
Thursday, March 17, 2016 22:31:01 0.990 243.35 50.9 Thursday, March 17, 2016 22:31:01 0.990 253.30 50.9 Thursday, March 17, 2016 22:41:02 0.990 263.22 50.2 Thursday, March 17, 2016 22:41:02 0.990 263.22 50.6 Thursday, March 17, 2016 22:56:04 0.990 273.14 51.1 Thursday, March 17, 2016 22:56:04 0.990 273.14 51.1 Thursday, March 17, 2016 23:01:05 0.990 288.03 50.1 Thursday, March 17, 2016 23:11:06 0.990 293.00 50.5 Thursday, March 17, 2016 23:11:06 0.990 293.00 50.5 Thursday, March 17, 2016 23:21:07 0.990 302.92 50.1 Thursday, March 17, 2016 23:21:07 0.990 302.92 50.1 Thursday, March 17, 2016 23:21:07 0.990 302.84 50.2 Thursday, March 17, 2016 23:31:08 0.990 317.81 50.8 Thursday, March 17, 2016 23:36:19 0.990 317.81 50.4 Thursday, March 17, 2016 23:56:12 0.990 327.73 51.1 Thursday, March 17, 2016 23:56:12 0.990 327.65 51.0 Friday, March 18, 2016 0:01:12 0.990 342.62 50.6 Friday, March 18, 2016 0:02:15 0.990	Thursday, March 17, 2010 22:20:09 0:99	2+3.3	3 /98
Thursday, March 17, 2016 22:31:01 0.990 258:25 50.2 Thursday, March 17, 2016 22:41:02 0.990 268:25 50.2 Thursday, March 17, 2016 22:41:02 0.990 268:19 50.6 Thursday, March 17, 2016 22:51:03 0.990 273.14 51.1 Thursday, March 17, 2016 22:56:04 0.990 278.11 49.7 Thursday, March 17, 2016 23:01:05 0.990 288.03 50.1 Thursday, March 17, 2016 23:11:06 0.990 293.00 50.5 Thursday, March 17, 2016 23:11:06 0.990 297.95 51.1 Thursday, March 17, 2016 23:21:07 0.990 302.92 50.1 Thursday, March 17, 2016 23:21:07 0.990 302.92 50.1 Thursday, March 17, 2016 23:26:08 0.990 317.81 50.8 Thursday, March 17, 2016 23:31:08 0.990 312.84 50.2 Thursday, March 17, 2016 23:36:09 0.990 317.81 50.8 Thursday, March 17, 2016 23:46:10 0.990 322.78 51.1 Thursday, March 17, 2016 23:51:11 0.990 322.70 50.4 Thursday, March 18, 2016 0:01:12 0.990 342.62 50.6 Friday, March 18, 2016 0:21:15 0.990 357.51 50.4 Friday, March 18, 2016 0:26:15 0.990	Thursday, March 17, 2010 22:20:00 0.92	2+0.3	0 + 7.0
Thursday, March 17, 2016 22:41:02 0.990 263:22 50.2 Thursday, March 17, 2016 22:41:02 0.990 268.19 50.6 Thursday, March 17, 2016 22:51:03 0.990 273.14 51.1 Thursday, March 17, 2016 22:51:03 0.990 278.11 49.7 Thursday, March 17, 2016 23:01:05 0.990 288.03 50.1 Thursday, March 17, 2016 23:10:60 0.990 288.03 50.1 Thursday, March 17, 2016 23:10:06 0.990 293.00 50.5 Thursday, March 17, 2016 23:10:06 0.990 297.95 51.1 Thursday, March 17, 2016 23:21:07 0.990 302.92 50.1 Thursday, March 17, 2016 23:26:08 0.990 307.89 49.8 Thursday, March 17, 2016 23:31:08 0.990 312.84 50.2 Thursday, March 17, 2016 23:41:10 0.990 322.78 51.1 Thursday, March 17, 2016 23:56:12 0.990 337.66 51.0 Friday, March 18, 2016 0:01:12 0.990 342.62 50.6 Friday, March 18, 2016 0:02:115 0.990 352.54 50.5 Friday, March 18, 2016 0:21:15 0.990 362.47 49.7 Friday, March 18, 2016 0:26:15 0.990 367.43 50.5 Friday, March 18, 2016 0:26:15 0.990 37	Thursday, March 17, 2010 22:31:01 0.92 Thursday, March 17, 2016 22:36:01 0.92	253.3	5 50.2
Thursday, March 17, 2016 22:41:02 0.990 268.19 50.6 Thursday, March 17, 2016 22:51:03 0.990 273.14 51.1 Thursday, March 17, 2016 22:56:04 0.990 278.11 49.7 Thursday, March 17, 2016 23:01:05 0.990 283.08 50.1 Thursday, March 17, 2016 23:01:05 0.990 288.03 50.1 Thursday, March 17, 2016 23:10:06 0.990 293.00 50.5 Thursday, March 17, 2016 23:10:60 0.990 297.95 51.1 Thursday, March 17, 2016 23:21:07 0.990 302.92 50.1 Thursday, March 17, 2016 23:21:07 0.990 302.92 50.1 Thursday, March 17, 2016 23:31:08 0.990 312.84 50.2 Thursday, March 17, 2016 23:46:10 0.990 322.78 51.1 Thursday, March 17, 2016 23:56:12 0.990 337.66 51.0 Friday, March 18, 2016 0:01:12 0.990 342.62 50.6 Friday, March 18, 2016 0:01:12 0.990 342.62 50.4 Fuiday, March 18, 2016 0:02:15 0.990 357.51 50.4 Friday, March 18, 2016 0:21:15 0.990 362.47 49.7 Friday, March 18, 2016 0:26:15 0.990 377.36 49.7 Friday, March 18, 2016 0:31:16 0.990 372.39	Thursday, March 17, 2010 22:30:01 0.95 Thursday, March 17, 2016 22:41:02 0.90	250.2	5 50.2 2 50.2
Thursday, March 17, 2010 22:40.03 0.990208.1950.0Thursday, March 17, 2016 22:51:03 0.990273.1451.1Thursday, March 17, 2016 22:56:04 0.990288.0350.1Thursday, March 17, 2016 23:01:05 0.990288.0350.1Thursday, March 17, 2016 23:06:05 0.990288.0350.1Thursday, March 17, 2016 23:11:06 0.990293.0050.5Thursday, March 17, 2016 23:16:06 0.990297.9551.1Thursday, March 17, 2016 23:26:08 0.990302.9250.1Thursday, March 17, 2016 23:26:08 0.990312.8450.2Thursday, March 17, 2016 23:31:08 0.990312.8450.2Thursday, March 17, 2016 23:36:09 0.990317.8150.8Thursday, March 17, 2016 23:36:09 0.990327.7351.1Thursday, March 17, 2016 23:36:12 0.990327.7351.1Thursday, March 17, 2016 23:56:12 0.990337.6651.0Friday, March 18, 2016 0:01:12 0.990342.6250.6Friday, March 18, 2016 0:01:12 0.990347.5950.3Friday, March 18, 2016 0:01:12 0.990352.5450.5Friday, March 18, 2016 0:21:15 0.990367.4350.5Friday, March 18, 2016 0:26:15 0.990377.3649.7Friday, March 18, 2016 0:26:15 0.990377.3649.7Friday, March 18, 2016 0:26:15 0.990377.3649.7Friday, March 18, 2016 0:36:17 0.990372.3950.8Friday, March 18, 2016 0:36:17 0.990372.3950.3Friday, March 18, 2016 0:56:19 0.990397.2050.3Friday, March 18, 20	Thursday, March 17, 2010 22:41:02 0.95 Thursday, March 17, 2016 22:46:03 0.00	203.2	2 50.2 0 50.6
Thursday, March 17, 2010 22:31:03 0.990273:14311Thursday, March 17, 2016 22:56:04 0.990278.1149.7Thursday, March 17, 2016 23:01:05 0.990283.0850.1Thursday, March 17, 2016 23:06:05 0.990288.0350.1Thursday, March 17, 2016 23:11:06 0.990293.0050.5Thursday, March 17, 2016 23:16:06 0.990297.9551.1Thursday, March 17, 2016 23:21:07 0.990302.9250.1Thursday, March 17, 2016 23:26:08 0.990307.8949.8Thursday, March 17, 2016 23:31:08 0.990312.8450.2Thursday, March 17, 2016 23:36:09 0.990317.8150.8Thursday, March 17, 2016 23:41:10 0.990322.7851.1Thursday, March 17, 2016 23:46:10 0.990327.7351.1Thursday, March 17, 2016 23:56:12 0.990337.6651.0Friday, March 18, 2016 0:01:12 0.990347.5950.3Friday, March 18, 2016 0:01:12 0.990347.5950.3Friday, March 18, 2016 0:21:15 0.990362.4749.7Friday, March 18, 2016 0:21:15 0.990367.4350.5Friday, March 18, 2016 0:26:15 0.990372.3950.8Friday, March 18, 2016 0:26:15 0.990377.3649.7Friday, March 18, 2016 0:31:16 0.990372.3950.8Friday, March 18, 2016 0:51:18 0.990387.2850.4Friday, March 18, 2016 0:51:18 0.990397.2050.3Friday, March 18, 2016 0:51:18 0.990397.2050.3Friday, March 18, 2016 0:51:18 0.990397.2050.3Friday, March 18, 2016 0	Thursday, March 17, 2010 22.40.03 0.99	200.1	4 51.0
Thursday, March 17, 2010 22:30:04 0.990278:1149.7Thursday, March 17, 2016 23:01:05 0.990283.0850.1Thursday, March 17, 2016 23:06:05 0.990288.0350.1Thursday, March 17, 2016 23:11:06 0.990293.0050.5Thursday, March 17, 2016 23:16:06 0.990297.9551.1Thursday, March 17, 2016 23:21:07 0.990302.9250.1Thursday, March 17, 2016 23:26:08 0.990307.8949.8Thursday, March 17, 2016 23:31:08 0.990312.8450.2Thursday, March 17, 2016 23:36:09 0.990317.8150.8Thursday, March 17, 2016 23:41:10 0.990322.7851.1Thursday, March 17, 2016 23:46:10 0.990327.7351.1Thursday, March 17, 2016 23:56:12 0.990337.6651.0Friday, March 17, 2016 23:56:12 0.990337.6651.0Friday, March 18, 2016 0:01:12 0.990347.5950.3Friday, March 18, 2016 0:01:12 0.990347.5950.3Friday, March 18, 2016 0:21:15 0.990367.4350.5Friday, March 18, 2016 0:21:15 0.990367.4350.5Friday, March 18, 2016 0:26:15 0.990377.3649.7Friday, March 18, 2016 0:31:16 0.990372.3950.8Friday, March 18, 2016 0:51:18 0.990387.2850.4Friday, March 18, 2016 0:51:18 0.990397.2050.3Friday, March 18, 2016 0:51:18 0.990397.2050.3Friday, March 18, 2016 0:51:18 0.990397.2050.3Friday, March 18, 2016 0:56:19 0.990397.2050.3Friday, March 18, 2016 1:	Thursday, March 17, 2010 22.51.05 0.99	273.1	4 31.1
Thursday, March 17, 2010 23:01:05 0.990203:0050.1Thursday, March 17, 2016 23:10:06 0.990293.0050.5Thursday, March 17, 2016 23:11:06 0.990297.9551.1Thursday, March 17, 2016 23:21:07 0.990302.9250.1Thursday, March 17, 2016 23:21:07 0.990302.9250.1Thursday, March 17, 2016 23:21:07 0.990307.8949.8Thursday, March 17, 2016 23:31:08 0.990312.8450.2Thursday, March 17, 2016 23:36:09 0.990317.8150.8Thursday, March 17, 2016 23:41:10 0.990322.7851.1Thursday, March 17, 2016 23:51:11 0.990327.7351.1Thursday, March 17, 2016 23:56:12 0.990337.6651.0Friday, March 18, 2016 0:01:12 0.990342.6250.6Friday, March 18, 2016 0:06:13 0.990347.5950.3Friday, March 18, 2016 0:21:15 0.990362.4749.7Friday, March 18, 2016 0:26:15 0.990367.4350.5Friday, March 18, 2016 0:26:15 0.990372.3950.8Friday, March 18, 2016 0:36:17 0.990372.3950.3Friday, March 18, 2016 0:46:18 0.990387.2850.4Friday, March 18, 2016 0:56:19 0.990397.2050.3Friday, March 18, 2016 1:01:20 0.990402.1750.7Friday, March 18, 2016 1:06:20 0.990407.1250.7Friday, March 18, 2016 1:06:2	Thursday, March 17, 2010 22:50:04 0.99 Thursday March 17, 2016 23:01:05 0.99	278.1	1 49.7 8 501
Thursday, March 17, 2010 23:01:06 0.9902030.0550.1Thursday, March 17, 2016 23:11:06 0.990297.9551.1Thursday, March 17, 2016 23:21:07 0.990302.9250.1Thursday, March 17, 2016 23:21:07 0.990302.9250.1Thursday, March 17, 2016 23:26:08 0.990307.8949.8Thursday, March 17, 2016 23:31:08 0.990312.8450.2Thursday, March 17, 2016 23:36:09 0.990317.8150.8Thursday, March 17, 2016 23:41:10 0.990322.7851.1Thursday, March 17, 2016 23:51:11 0.990322.7050.4Thursday, March 17, 2016 23:56:12 0.990337.6651.0Friday, March 18, 2016 0:01:12 0.990342.6250.6Friday, March 18, 2016 0:06:13 0.990347.5950.3Friday, March 18, 2016 0:16:14 0.990357.5150.4Friday, March 18, 2016 0:26:15 0.990367.4350.5Friday, March 18, 2016 0:26:15 0.990367.4350.5Friday, March 18, 2016 0:31:16 0.990372.3950.8Friday, March 18, 2016 0:36:17 0.990372.3950.3Friday, March 18, 2016 0:46:18 0.990387.2850.4Friday, March 18, 2016 0:56:19 0.990397.2050.3Friday, March 18, 2016 1:01:20 0.990402.1750.7Friday, March 18, 2016 1:06:20 0.990407.1250.7Friday, March 18, 2016 1:06:20	Thursday, March 17, 2016 23:06:05 0.99	203.0 288.0	3 50.1
Thursday, March 17, 2010 23:11:00 0.990293:0050:3Thursday, March 17, 2016 23:16:06 0.990297.9551.1Thursday, March 17, 2016 23:21:07 0.990302.9250.1Thursday, March 17, 2016 23:26:08 0.990307.8949.8Thursday, March 17, 2016 23:31:08 0.990312.8450.2Thursday, March 17, 2016 23:36:09 0.990317.8150.8Thursday, March 17, 2016 23:41:10 0.990322.7851.1Thursday, March 17, 2016 23:46:10 0.990327.7351.1Thursday, March 17, 2016 23:56:12 0.990337.6651.0Friday, March 18, 2016 0:01:12 0.990342.6250.6Friday, March 18, 2016 0:06:13 0.990347.5950.3Friday, March 18, 2016 0:06:13 0.990357.5150.4Friday, March 18, 2016 0:16:14 0.990357.5150.4Friday, March 18, 2016 0:26:15 0.990362.4749.7Friday, March 18, 2016 0:26:15 0.990367.4350.5Friday, March 18, 2016 0:31:16 0.990372.3950.8Friday, March 18, 2016 0:36:17 0.990372.3950.8Friday, March 18, 2016 0:46:18 0.990387.2850.4Friday, March 18, 2016 0:51:18 0.990392.2450.6Friday, March 18, 2016 1:01:20 0.990402.1750.7Friday, March 18, 2016 1:06:20 0.99	Thursday, March 17, 2010 23:00:05 0:99	200.0 200.0	0 50.5
Thursday, March 17, 2016 23:10:00 0.99020193Thursday, March 17, 2016 23:21:07 0.990302.9250.1Thursday, March 17, 2016 23:26:08 0.990307.8949.8Thursday, March 17, 2016 23:31:08 0.990312.8450.2Thursday, March 17, 2016 23:36:09 0.990317.8150.8Thursday, March 17, 2016 23:41:10 0.990322.7851.1Thursday, March 17, 2016 23:46:10 0.990327.7351.1Thursday, March 17, 2016 23:56:12 0.990337.6651.0Friday, March 18, 2016 0:01:12 0.990342.6250.6Friday, March 18, 2016 0:01:12 0.990342.6250.5Friday, March 18, 2016 0:01:12 0.990342.6250.4Friday, March 18, 2016 0:16:14 0.990357.5150.4Friday, March 18, 2016 0:26:15 0.990367.4350.5Friday, March 18, 2016 0:31:16 0.990372.3950.8Friday, March 18, 2016 0:36:17 0.990377.3649.7Friday, March 18, 2016 0:51:18 0.990392.2450.6Friday, March 18, 2016 0:56:19 0.990397.2050.3Friday, March 18, 2016 1:01:20 0.990402.1750.7Friday, March 18, 2016 1:01:20 0.990402.17<	Thursday, March 17, 2016 23:11:00 0.99	293.0	5 51 1
Thursday, March 17, 2010 23:26:08 0.990307.8949.8Thursday, March 17, 2016 23:26:08 0.990312.8450.2Thursday, March 17, 2016 23:31:08 0.990312.8450.2Thursday, March 17, 2016 23:36:09 0.990317.8150.8Thursday, March 17, 2016 23:41:10 0.990322.7851.1Thursday, March 17, 2016 23:46:10 0.990327.7351.1Thursday, March 17, 2016 23:56:12 0.990337.6651.0Friday, March 17, 2016 23:56:12 0.990337.6651.0Friday, March 18, 2016 0:01:12 0.990342.6250.6Friday, March 18, 2016 0:06:13 0.990347.5950.3Friday, March 18, 2016 0:11:13 0.990352.5450.5Friday, March 18, 2016 0:16:14 0.990357.5150.4Friday, March 18, 2016 0:26:15 0.990367.4350.5Friday, March 18, 2016 0:36:17 0.990372.3950.8Friday, March 18, 2016 0:36:17 0.990377.3649.7Friday, March 18, 2016 0:51:18 0.990387.2850.4Friday, March 18, 2016 0:56:19 0.990397.2050.3Friday, March 18, 2016 0:56:19 0.990397.2050.3Friday, March 18, 2016 1:01:20 0.990402.1750.7Friday, March 18, 2016 1:01:20 0.990407.1250.7Friday, March 18, 2016 1:01:20 0.990402.1750.7Friday, March 18, 2016 1:01:20 0.990 <td>Thursday, March 17, 2016 23:10:00 0.99</td> <td>30297.9</td> <td>2 50 1</td>	Thursday, March 17, 2016 23:10:00 0.99	30297.9	2 50 1
Thursday, March 17, 2010 23:20:08 0.990307.8947.8Thursday, March 17, 2016 23:31:08 0.990312.8450.2Thursday, March 17, 2016 23:36:09 0.990317.8150.8Thursday, March 17, 2016 23:41:10 0.990322.7851.1Thursday, March 17, 2016 23:46:10 0.990327.7351.1Thursday, March 17, 2016 23:51:11 0.990332.7050.4Thursday, March 17, 2016 23:56:12 0.990337.6651.0Friday, March 18, 2016 0:01:12 0.990342.6250.6Friday, March 18, 2016 0:06:13 0.990347.5950.3Friday, March 18, 2016 0:16:14 0.990357.5150.4Friday, March 18, 2016 0:21:15 0.990362.4749.7Friday, March 18, 2016 0:26:15 0.990367.4350.5Friday, March 18, 2016 0:36:17 0.990372.3950.8Friday, March 18, 2016 0:41:17 0.990382.3150.3Friday, March 18, 2016 0:51:18 0.990397.2050.3Friday, March 18, 2016 0:56:19 0.990397.2050.3Friday, March 18, 2016 1:01:20 0.990402.1750.7Friday, March 18, 2016 1:16:22 0.990417.0650.2Friday, March 18, 2016 1:16:22 0.990	Thursday, March 17, 2010 23:21:07 0.92	0 302.7	2 J0.1 9 /9 8
Thursday, March 17, 2010 25:51:00 0.990312.0450.2Thursday, March 17, 2016 23:36:09 0.990317.8150.8Thursday, March 17, 2016 23:41:10 0.990322.7851.1Thursday, March 17, 2016 23:46:10 0.990327.7351.1Thursday, March 17, 2016 23:51:11 0.990332.7050.4Thursday, March 17, 2016 23:56:12 0.990337.6651.0Friday, March 18, 2016 0:01:12 0.990342.6250.6Friday, March 18, 2016 0:06:13 0.990347.5950.3Friday, March 18, 2016 0:01:12 0.990352.5450.5Friday, March 18, 2016 0:16:14 0.990357.5150.4Friday, March 18, 2016 0:26:15 0.990367.4350.5Friday, March 18, 2016 0:26:15 0.990367.4350.5Friday, March 18, 2016 0:36:17 0.990377.3649.7Friday, March 18, 2016 0:41:17 0.990382.3150.3Friday, March 18, 2016 0:51:18 0.990397.2050.3Friday, March 18, 2016 0:56:19 0.990397.2050.3Friday, March 18, 2016 1:01:20 0.990402.1750.7Friday, March 18, 2016 1:16:22 0.990417.0650.2Friday, March 18, 2016 1:16:22 0.990417.0650.2Friday, March 18, 2016 1:26:23 0.990 <td< td=""><td>Thursday, March 17, 2010 23:20:00 0:99</td><td>307.0</td><td>4 50.2</td></td<>	Thursday, March 17, 2010 23:20:00 0:99	307.0	4 50.2
Thursday, March 17, 2010 23:30:09 0.990317.0130.0Thursday, March 17, 2016 23:41:10 0.990322.7851.1Thursday, March 17, 2016 23:46:10 0.990327.7351.1Thursday, March 17, 2016 23:51:11 0.990332.7050.4Thursday, March 17, 2016 23:56:12 0.990337.6651.0Friday, March 18, 2016 0:01:12 0.990342.6250.6Friday, March 18, 2016 0:06:13 0.990347.5950.3Friday, March 18, 2016 0:11:13 0.990352.5450.5Friday, March 18, 2016 0:16:14 0.990357.5150.4Friday, March 18, 2016 0:21:15 0.990362.4749.7Friday, March 18, 2016 0:26:15 0.990367.4350.5Friday, March 18, 2016 0:31:16 0.990372.3950.8Friday, March 18, 2016 0:36:17 0.990377.3649.7Friday, March 18, 2016 0:41:17 0.990387.2850.4Friday, March 18, 2016 0:51:18 0.990397.2050.3Friday, March 18, 2016 0:51:18 0.990397.2050.3Friday, March 18, 2016 1:01:20 0.990402.1750.7Friday, March 18, 2016 1:01:20 0.990407.1250.7Friday, March 18, 2016 1:01:20 0.990407.1250.7Friday, March 18, 2016 1:01:20 0.990407.1250.7Friday, March 18, 2016 1:01:20 0.990402.1750.7Friday, March 18, 2016 1:01:20 0.990402.1750.7Friday, March 18, 2016 1:01:20 0.990402.1050.1Friday, March 18, 2016 1:01:20 0.990402.0950.1Friday, March 18, 2016 1:01:20 0.99040	Thursday, March 17, 2010 23:31:00 0.92 Thursday March 17, 2016 23:36:09 0.99	312.0	1 50.2
Thursday, March 17, 2010 23:41:10 0.990322:7051:1Thursday, March 17, 2016 23:46:10 0.990327.7351.1Thursday, March 17, 2016 23:51:11 0.990332.7050.4Thursday, March 17, 2016 23:56:12 0.990337.6651.0Friday, March 18, 2016 0:01:12 0.990342.6250.6Friday, March 18, 2016 0:06:13 0.990347.5950.3Friday, March 18, 2016 0:11:13 0.990352.5450.5Friday, March 18, 2016 0:16:14 0.990357.5150.4Friday, March 18, 2016 0:21:15 0.990362.4749.7Friday, March 18, 2016 0:26:15 0.990367.4350.5Friday, March 18, 2016 0:31:16 0.990372.3950.8Friday, March 18, 2016 0:36:17 0.990377.3649.7Friday, March 18, 2016 0:41:17 0.990387.2850.4Friday, March 18, 2016 0:51:18 0.990397.2050.3Friday, March 18, 2016 0:56:19 0.990397.2050.3Friday, March 18, 2016 1:01:20 0.990402.1750.7Friday, March 18, 2016 1:01:20 0.990407.1250.7Friday, March 18, 2016 1:01:20 0.990407.1250.7Friday, March 18, 2016 1:01:20 0.990407.1250.7Friday, March 18, 2016 1:01:20 0.990402.1750.7Friday, March 18, 2016 1:01:20 0.990402.1750.7Friday, March 18, 2016 1:01:20 0.990402.1050.1Friday, March 18, 2016 1:01:20 0.990402.1050.1Friday, March 18, 2016 1:01:20 0.990402.0950.1Friday, March 18, 2016 1:16:22 0.990412.0	Thursday, March 17, 2010 23:50:09 0.92 Thursday, March 17, 2016 23:41:10.0.90	317.0	1 50.0 8 51.1
Thursday, March 17, 2010 23:40:10 0.990327.7351.1Thursday, March 17, 2016 23:51:11 0.990332.7050.4Thursday, March 17, 2016 23:56:12 0.990337.6651.0Friday, March 18, 2016 0:01:12 0.990342.6250.6Friday, March 18, 2016 0:06:13 0.990347.5950.3Friday, March 18, 2016 0:11:13 0.990352.5450.5Friday, March 18, 2016 0:16:14 0.990357.5150.4Friday, March 18, 2016 0:21:15 0.990362.4749.7Friday, March 18, 2016 0:26:15 0.990367.4350.5Friday, March 18, 2016 0:31:16 0.990372.3950.8Friday, March 18, 2016 0:36:17 0.990377.3649.7Friday, March 18, 2016 0:41:17 0.990382.3150.3Friday, March 18, 2016 0:55:19 0.990392.2450.6Friday, March 18, 2016 0:56:19 0.990397.2050.3Friday, March 18, 2016 1:01:20 0.990402.1750.7Friday, March 18, 2016 1:06:20 0.990402.1750.7Friday, March 18, 2016 1:11:21 0.990412.0950.1Friday, March 18, 2016 1:16:22 0.990417.0650.2Friday, March 18, 2016 1:21:22 0.990422.0150.0Friday, March 18, 2016 1:26:23 0.990426.9850.1	Thursday, March 17, 2010 23.41.10 0.92 Thursday March 17, 2016 23:46:10.0.90	322.7	3 51.1
Thursday, March 17, 2010 23:51:11 0.990332.7050.4Thursday, March 17, 2016 23:56:12 0.990337.6651.0Friday, March 18, 2016 0:01:12 0.990342.6250.6Friday, March 18, 2016 0:06:13 0.990347.5950.3Friday, March 18, 2016 0:11:13 0.990352.5450.5Friday, March 18, 2016 0:16:14 0.990357.5150.4Friday, March 18, 2016 0:21:15 0.990362.4749.7Friday, March 18, 2016 0:26:15 0.990367.4350.5Friday, March 18, 2016 0:31:16 0.990372.3950.8Friday, March 18, 2016 0:36:17 0.990377.3649.7Friday, March 18, 2016 0:46:18 0.990387.2850.4Friday, March 18, 2016 0:51:18 0.990387.2850.4Friday, March 18, 2016 0:56:19 0.990397.2050.3Friday, March 18, 2016 1:01:20 0.990402.1750.7Friday, March 18, 2016 1:06:20 0.990407.1250.7Friday, March 18, 2016 1:121:22 0.990417.0650.2Friday, March 18, 2016 1:21:22 0.990422.0150.0Friday, March 18, 2016 1:21:22 0.990426.9850.1	Thursday, March 17, 2010 23:51:11 0.99	327.7	0 50.4
Friday, March 18, 2016 0:01:12 0.990342.6250.6Friday, March 18, 2016 0:06:13 0.990347.5950.3Friday, March 18, 2016 0:11:13 0.990352.5450.5Friday, March 18, 2016 0:16:14 0.990357.5150.4Friday, March 18, 2016 0:21:15 0.990362.4749.7Friday, March 18, 2016 0:26:15 0.990367.4350.5Friday, March 18, 2016 0:31:16 0.990372.3950.8Friday, March 18, 2016 0:36:17 0.990377.3649.7Friday, March 18, 2016 0:46:18 0.990387.2850.4Friday, March 18, 2016 0:46:18 0.990387.2850.4Friday, March 18, 2016 0:56:19 0.990397.2050.3Friday, March 18, 2016 1:01:20 0.990402.1750.7Friday, March 18, 2016 1:06:20 0.990407.1250.7Friday, March 18, 2016 1:11:21 0.990412.0950.1Friday, March 18, 2016 1:21:22 0.990422.0150.0Friday, March 18, 2016 1:21:22 0.990426.9850.1	Thursday, March 17, 2010 23:56:12.0.90	332.7	6 51 0
Friday, March 18, 2010 0.01.12 0.990342.0250.0Friday, March 18, 2016 0:06:13 0.990347.5950.3Friday, March 18, 2016 0:11:13 0.990352.5450.5Friday, March 18, 2016 0:16:14 0.990357.5150.4Friday, March 18, 2016 0:21:15 0.990362.4749.7Friday, March 18, 2016 0:26:15 0.990367.4350.5Friday, March 18, 2016 0:31:16 0.990372.3950.8Friday, March 18, 2016 0:36:17 0.990377.3649.7Friday, March 18, 2016 0:41:17 0.990387.2850.4Friday, March 18, 2016 0:46:18 0.990387.2850.4Friday, March 18, 2016 0:51:18 0.990392.2450.6Friday, March 18, 2016 0:56:19 0.990397.2050.3Friday, March 18, 2016 1:01:20 0.990402.1750.7Friday, March 18, 2016 1:06:20 0.990407.1250.7Friday, March 18, 2016 1:11:21 0.990412.0950.1Friday, March 18, 2016 1:21:22 0.990417.0650.2Friday, March 18, 2016 1:21:22 0.990422.0150.0Friday, March 18, 2016 1:21:22 0.990426.9850.1	Eriday, March 18, 2016 0:01:12 0.99	31262	50.6
Friday, March 18, 2010 0.00.13 0.990347.3930.3Friday, March 18, 2016 0:11:13 0.990352.5450.5Friday, March 18, 2016 0:16:14 0.990357.5150.4Friday, March 18, 2016 0:21:15 0.990362.4749.7Friday, March 18, 2016 0:26:15 0.990367.4350.5Friday, March 18, 2016 0:31:16 0.990372.3950.8Friday, March 18, 2016 0:36:17 0.990377.3649.7Friday, March 18, 2016 0:36:17 0.990377.3649.7Friday, March 18, 2016 0:41:17 0.990382.3150.3Friday, March 18, 2016 0:51:18 0.990387.2850.4Friday, March 18, 2016 0:56:19 0.990392.2450.6Friday, March 18, 2016 1:01:20 0.990402.1750.7Friday, March 18, 2016 1:06:20 0.990407.1250.7Friday, March 18, 2016 1:106:20 0.990412.0950.1Friday, March 18, 2016 1:11:21 0.990412.0950.1Friday, March 18, 2016 1:21:22 0.990422.0150.0Friday, March 18, 2016 1:21:22 0.990426.9850.1	Friday, March 18, 2016 0.01.12 0.990	342.02	50.0
Friday, March 18, 2010 0:11:13 0:990332.9430.3Friday, March 18, 2016 0:16:14 0.990357.5150.4Friday, March 18, 2016 0:21:15 0.990362.4749.7Friday, March 18, 2016 0:26:15 0.990367.4350.5Friday, March 18, 2016 0:31:16 0.990372.3950.8Friday, March 18, 2016 0:36:17 0.990377.3649.7Friday, March 18, 2016 0:36:17 0.990382.3150.3Friday, March 18, 2016 0:41:17 0.990387.2850.4Friday, March 18, 2016 0:46:18 0.990387.2850.4Friday, March 18, 2016 0:51:18 0.990392.2450.6Friday, March 18, 2016 0:56:19 0.990397.2050.3Friday, March 18, 2016 1:01:20 0.990402.1750.7Friday, March 18, 2016 1:06:20 0.990407.1250.7Friday, March 18, 2016 1:11:21 0.990412.0950.1Friday, March 18, 2016 1:12:22 0.990417.0650.2Friday, March 18, 2016 1:21:22 0.990422.0150.0Friday, March 18, 2016 1:21:22 0.990426.9850.1	Friday, March 18, 2016 0:00:13 0:000	352 54	50.5
Friday, March 18, 2010 0:10:14 0:990337.9130.4Friday, March 18, 2016 0:21:15 0.990362.4749.7Friday, March 18, 2016 0:26:15 0.990367.4350.5Friday, March 18, 2016 0:31:16 0.990372.3950.8Friday, March 18, 2016 0:36:17 0.990377.3649.7Friday, March 18, 2016 0:41:17 0.990382.3150.3Friday, March 18, 2016 0:44:18 0.990387.2850.4Friday, March 18, 2016 0:51:18 0.990392.2450.6Friday, March 18, 2016 0:56:19 0.990397.2050.3Friday, March 18, 2016 1:01:20 0.990402.1750.7Friday, March 18, 2016 1:06:20 0.990407.1250.7Friday, March 18, 2016 1:11:21 0.990412.0950.1Friday, March 18, 2016 1:12:22 0.990417.0650.2Friday, March 18, 2016 1:21:22 0.990422.0150.0Friday, March 18, 2016 1:21:22 0.990426.9850.1	Friday, March 18, 2016 0:11:15 0:200	357 51	50.5
Friday, March 18, 2010 0.21:13 0.990302.4749.7Friday, March 18, 2016 0:26:15 0.990367.4350.5Friday, March 18, 2016 0:31:16 0.990372.3950.8Friday, March 18, 2016 0:36:17 0.990377.3649.7Friday, March 18, 2016 0:41:17 0.990382.3150.3Friday, March 18, 2016 0:46:18 0.990387.2850.4Friday, March 18, 2016 0:51:18 0.990392.2450.6Friday, March 18, 2016 0:56:19 0.990397.2050.3Friday, March 18, 2016 1:01:20 0.990402.1750.7Friday, March 18, 2016 1:06:20 0.990407.1250.7Friday, March 18, 2016 1:11:21 0.990412.0950.1Friday, March 18, 2016 1:12:22 0.990417.0650.2Friday, March 18, 2016 1:21:22 0.990422.0150.0Friday, March 18, 2016 1:21:22 0.990426.9850.1	Friday, March 18, 2016 0:10.14 0.990	362 47	70. 4 797
Friday, March 18, 2016 0:2019 0:2019 0:201930119 50.9Friday, March 18, 2016 0:31:16 0.990372.39 50.8Friday, March 18, 2016 0:36:17 0.990377.36 49.7Friday, March 18, 2016 0:41:17 0.990382.31 50.3Friday, March 18, 2016 0:46:18 0.990387.28 50.4Friday, March 18, 2016 0:51:18 0.990392.24 50.6Friday, March 18, 2016 0:56:19 0.990397.20 50.3Friday, March 18, 2016 1:01:20 0.990402.17 50.7Friday, March 18, 2016 1:06:20 0.990407.12 50.7Friday, March 18, 2016 1:11:21 0.990412.09 50.1Friday, March 18, 2016 1:16:22 0.990417.06 50.2Friday, March 18, 2016 1:21:22 0.990422.01 50.0Friday, March 18, 2016 1:26:23 0.990426.98 50.1	Friday, March 18, 2016 0:26:15 0.990	367.43	50.5
Friday, March 18, 2016 0:36:17 0.990377.3649.7Friday, March 18, 2016 0:41:17 0.990382.3150.3Friday, March 18, 2016 0:41:17 0.990382.3150.3Friday, March 18, 2016 0:46:18 0.990387.2850.4Friday, March 18, 2016 0:51:18 0.990392.2450.6Friday, March 18, 2016 0:56:19 0.990397.2050.3Friday, March 18, 2016 1:01:20 0.990402.1750.7Friday, March 18, 2016 1:06:20 0.990407.1250.7Friday, March 18, 2016 1:11:21 0.990412.0950.1Friday, March 18, 2016 1:16:22 0.990417.0650.2Friday, March 18, 2016 1:21:22 0.990422.0150.0Friday, March 18, 2016 1:21:22 0.990426.9850.1	Friday, March 18, 2016 0:20:15 0:990	372.39	50.8
Friday, March 18, 2016 0:41:17 0.990382.3150.3Friday, March 18, 2016 0:41:17 0.990382.3150.3Friday, March 18, 2016 0:46:18 0.990387.2850.4Friday, March 18, 2016 0:51:18 0.990392.2450.6Friday, March 18, 2016 0:56:19 0.990397.2050.3Friday, March 18, 2016 1:01:20 0.990402.1750.7Friday, March 18, 2016 1:06:20 0.990407.1250.7Friday, March 18, 2016 1:10:21 0.990412.0950.1Friday, March 18, 2016 1:16:22 0.990417.0650.2Friday, March 18, 2016 1:21:22 0.990422.0150.0Friday, March 18, 2016 1:21:22 0.990426.9850.1	Friday, March 18, 2016 0:36:17 0 990	377.36	49.7
Friday, March 18, 2016 0:46:18 0.990387.2850.4Friday, March 18, 2016 0:54:18 0.990387.2850.4Friday, March 18, 2016 0:51:18 0.990392.2450.6Friday, March 18, 2016 0:56:19 0.990397.2050.3Friday, March 18, 2016 1:01:20 0.990402.1750.7Friday, March 18, 2016 1:06:20 0.990407.1250.7Friday, March 18, 2016 1:11:21 0.990412.0950.1Friday, March 18, 2016 1:16:22 0.990417.0650.2Friday, March 18, 2016 1:21:22 0.990422.0150.0Friday, March 18, 2016 1:21:22 0.990426.9850.1	Friday March 18, 2016 0:41:17 0 990	382.31	50.3
Friday, March 18, 2016 0:1010 0:990301.2050.11Friday, March 18, 2016 0:51:18 0.990392.2450.6Friday, March 18, 2016 0:56:19 0.990397.2050.3Friday, March 18, 2016 1:01:20 0.990402.1750.7Friday, March 18, 2016 1:06:20 0.990407.1250.7Friday, March 18, 2016 1:11:21 0.990412.0950.1Friday, March 18, 2016 1:16:22 0.990417.0650.2Friday, March 18, 2016 1:21:22 0.990422.0150.0Friday, March 18, 2016 1:26:23 0.990426.9850.1	Friday March 18, 2016 0:46:18 0 990	387.28	50.5
Friday, March 18, 2016 0:56:19 0.990397.2050.3Friday, March 18, 2016 0:56:19 0.990397.2050.3Friday, March 18, 2016 1:01:20 0.990402.1750.7Friday, March 18, 2016 1:06:20 0.990407.1250.7Friday, March 18, 2016 1:11:21 0.990412.0950.1Friday, March 18, 2016 1:16:22 0.990417.0650.2Friday, March 18, 2016 1:21:22 0.990422.0150.0Friday, March 18, 2016 1:26:23 0.990426.9850.1	Friday, March 18, 2016 0:10:10 0:990	392.24	50.1
Friday, March 18, 2016 1:01:20 0.990402.1750.7Friday, March 18, 2016 1:06:20 0.990407.1250.7Friday, March 18, 2016 1:106:20 0.990412.0950.1Friday, March 18, 2016 1:11:21 0.990412.0950.1Friday, March 18, 2016 1:16:22 0.990417.0650.2Friday, March 18, 2016 1:21:22 0.990422.0150.0Friday, March 18, 2016 1:26:23 0.990426.9850.1	Friday March 18, 2016 0:56:19 0 990	397.20	50.3
Friday, March 18, 2016 1:06:20 0.990407.1250.7Friday, March 18, 2016 1:10:22 0.990412.0950.1Friday, March 18, 2016 1:16:22 0.990417.0650.2Friday, March 18, 2016 1:21:22 0.990422.0150.0Friday, March 18, 2016 1:21:22 0.990426.9850.1	Friday, March 18, 2016 1:01:20.0.990	402.17	50.7
Friday, March 18, 2016 1:11:21 0.990412.0950.1Friday, March 18, 2016 1:16:22 0.990417.0650.2Friday, March 18, 2016 1:21:22 0.990422.0150.0Friday, March 18, 2016 1:26:23 0.990426.9850.1	Friday, March 18, 2016 1:06:20 0.990	407.12	50.7
Friday, March 18, 2016 1:16:22 0.990417.0650.2Friday, March 18, 2016 1:21:22 0.990422.0150.0Friday, March 18, 2016 1:26:23 0.990426.9850.1	Friday, March 18, 2016 1:11:21 0.990	412.09	50.1
Friday, March 18, 2016 1:21:22 0.990422.0150.0Friday, March 18, 2016 1:26:23 0.990426.9850.1	Friday, March 18, 2016 1:16:22 0.990	417.06	50.2
Friday, March 18, 2016 1:26:23 0.990 426.98 50.1	Friday, March 18, 2016 1:21:22 0.990	422.01	50.0
	Friday, March 18, 2016 1:26:23 0.990	426.98	50.1

Friday, March 18, 2016 1:31:24 0.990	431.95	50.1
Friday, March 18, 2016 1:36:24 0.990	436.90	50.6
Friday, March 18, 2016 1:41:25 0.990	441.87	50.5
Friday, March 18, 2016 1:46:25 0.990	446.82	51.0
Friday, March 18, 2016 1:51:26 0.990	451.79	50.2
Friday, March 18, 2016 1:56:27 0.990	456.76	50.5
Friday, March 18, 2016 2:01:27 0.990	461.71	50.4
Friday, March 18, 2016 2:06:28 0.990	466.68	50.6
Friday, March 18, 2016 2:11:29 0.990	471.65	50.5
Friday, March 18, 2016 2:16:29 0.990	476.60	50.6
Friday, March 18, 2016 2:21:30 0.990	481.57	51.2
Friday, March 18, 2016 2:26:30 0.990	486.52	50.6
Friday, March 18, 2016 2:31:31 0.990	491.49	50.0
Friday, March 18, 2016 2:36:32 0.990	496.45	50.5
Friday, March 18, 2016 2:41:32 0.990	501.41	50.4
Friday, March 18, 2016 2:46:33 0.990	506.37	50.5
Friday, March 18, 2016 2:51:34 0.990	511.34	50.6
Friday, March 18, 2016 2:56:34 0.990	516.30	50.9
Friday, March 18, 2016 3:01:35 0.990	521.26	49.8
Friday, March 18, 2016 3:06:35 0.990	526.22	49.8
Friday, March 18, 2016 3:11:36 0.990	531.18	51.0
Friday, March 18, 2016 3:16:37 0.990	536.15	50.9
Friday, March 18, 2016 3:21:37 0.990	541.10	50.8
Friday, March 18, 2016 3:26:38 0 990	546.07	49.8
Friday, March 18, 2016 3:31:39 0 990	551.04	50.4
Friday, March 18, 2016 3:36:39 0 990	555.99	49.4
Friday, March 18, 2016 3:41:40 0 990	560.96	50.6
Friday, March 18, 2016 3:46:40 0.990	565.91	50.2
Friday, March 18, 2016 3:51:41 0.990	570.88	50.1
Friday, March 18, 2016 3:56:42 0.990	575.85	50.3
Friday, March 18, 2016 4:01:42 0.990	580.80	50.8
Friday, March 18, 2016 4:06:43 0.990	585.77	50.6
Friday, March 18, 2016 4:11:44 0.990	590.74	50.7
Friday, March 18, 2016 4:16:44 0.990	595.69	51.1
Friday, March 18, 2016 4:21:45 0.990	600.66	50.3
Friday, March 18, 2016 4:26:45 0.990	605.61	50.1
Friday, March 18, 2016 4:31:46 0.990	610.58	50.5
Friday, March 18, 2016 4:36:47 0.990	615.55	50.1
Friday, March 18, 2016 4:41:47 0.990	620.50	50.4
Friday, March 18, 2016 4:46:48 0.990	625.47	50.3
Friday, March 18, 2016 4:51:49 0.990	630.44	49.8
Friday, March 18, 2016 4:56:49 0.990	635.39	50.5
Friday, March 18, 2016 5:01:50 0.990	640.36	51.0
Friday, March 18, 2016 5:06:50 0.990	645.31	50.1
Friday, March 18, 2016 5:11:51 0.990	650.28	50.5
Friday, March 18, 2016 5:16:52 0.990	655.25	50.5
Friday, March 18, 2016 5:21:52 0.990	660.20	50.7
Friday, March 18, 2016 5:26:53 0.990	665.17	50.4
Friday, March 18, 2016 5:31:54 0.990	670.13	50.9
Friday, March 18, 2016 5:36:54 0.990	675.09	50.4
Friday, March 18, 2016 5:41:55 0.990	680.05	51.0
Friday, March 18, 2016 5:46:55 0.990	685.01	50.1
Friday, March 18, 2016 5:51:56 0.990	689.97	50.8
Friday, March 18, 2016 5:56:57 0.990	694.94	50.5

Friday, March 18, 2016 6:01:57 0.990	699.89	49.9
Friday, March 18, 2016 6:06:58 0.990	704.86	50.2
Friday, March 18, 2016 6:11:58 0.990	709.82	50.4
Friday, March 18, 2016 6:15:01 0.990	712.84	49.8

formaldehyde001 Ch. 1 Cartridge Started Wednesday, March 23, 2016 6:00:03 Flow Rate Set Point 1.00 l/min Stopped Wednesday, March 23, 2016 18:00:22 Total Volume 713.19 liters Total Sample Time 12.00 hours Average Flow Rate 0.991 l/min Minimum Flow Rate 0.991 l/min Maximum Flow Rate 0.991 l/min Pre Start Leak Rate 0.057 l/min Ending Leak Rate 0.050 l/min Flow Controller Zero -0.002 l/min Error Code 258 Error Status Leak Check Flow Limit Exceeded Post Leak Check Flow Limit Exceeded

Flow Rate

Volume

Temp

agms5

Time

	-	
Wednesday, March 23, 2016 6:00:30 0.135	0.23	49.9
Wednesday, March 23, 2016 6:05:30 0.991	5.18	50.1
Wednesday, March 23, 2016 6:10:31 0.991	10.15	50.4
Wednesday, March 23, 2016 6:15:31 0.991	15.10	50.0
Wednesday, March 23, 2016 6:20:32 0.991	20.07	50.2
Wednesday, March 23, 2016 6:25:33 0.991	25.04	50.1
Wednesday, March 23, 2016 6:30:33 0.991	30.00	50.1
Wednesday, March 23, 2016 6:35:34 0.991	34.97	49.7
Wednesday, March 23, 2016 6:40:34 0.991	39.92	50.0
Wednesday, March 23, 2016 6:45:35 0.991	44.89	50.8
Wednesday, March 23, 2016 6:50:36 0.991	49.86	49.7
Wednesday, March 23, 2016 6:55:36 0.991	54.82	50.8
Wednesday, March 23, 2016 7:00:37 0.991	59.79	50.6
Wednesday, March 23, 2016 7:05:37 0.991	64.74	50.2
Wednesday, March 23, 2016 7:10:38 0.991	69.71	50.4
Wednesday, March 23, 2016 7:15:39 0.991	74.68	50.1
Wednesday, March 23, 2016 7:20:39 0.991	79.64	50.8
Wednesday, March 23, 2016 7:25:40 0.991	84.61	50.7
Wednesday, March 23, 2016 7:30:41 0.991	89.58	50.5
Wednesday, March 23, 2016 7:35:41 0.991	94.53	50.4
Wednesday, March 23, 2016 7:40:42 0.991	99.50	50.3
Wednesday, March 23, 2016 7:45:42 0.991	104.46	49.9
Wednesday, March 23, 2016 7:50:43 0.991	109.43	50.5
Wednesday, March 23, 2016 7:55:44 0.991	114.40	50.6
Wednesday, March 23, 2016 8:00:44 0.991	119.35	50.6
Wednesday, March 23, 2016 8:05:45 0.991	124.32	49.8
Wednesday, March 23, 2016 8:10:46 0.991	129.29	50.0
Wednesday, March 23, 2016 8:15:46 0.991	134.25	50.6
Wednesday, March 23, 2016 8:20:47 0.991	139.22	51.0
Wednesday, March 23, 2016 8:25:48 0.991	144.19	50.5
Wednesday, March 23, 2016 8:30:48 0.991	149.14	50.0
Wednesday, March 23, 2016 8:35:49 0.991	154.11	50.5

Wednesday, March 23, 2016 8:40:50 0.991	159.08	50.0
Wednesday, March 23, 2016 8:45:50 0.991	164.04	50.2
Wednesday, March 23, 2016 8:50:51 0.991	169.01	50.5
Wednesday, March 23, 2016 8:55:52 0.991	173.98	50.6
Wednesday, March 23, 2016 9:00:52 0.991	178.93	50.6
Wednesday, March 23, 2016 9:05:53 0.991	183.90	50.4
Wednesday, March 23, 2016 9:10:53 0.991	188.86	50.2
Wednesday, March 23, 2016 9:15:54 0.991	193.83	50.0
Wednesday, March 23, 2016 9:20:55 0.991	198.80	49.7
Wednesday, March 23, 2016 9:25:55 0.991	203.75	50.5
Wednesday, March 23, 2016 9:30:56 0.991	208.72	50.0
Wednesday, March 23, 2016 9:35:57 0.991	213.69	49.0
Wednesday, March 23, 2016 9:40:57 0.991	218.65	50.8
Wednesday, March 23, 2016 9:45:58 0.991	223.62	50.3
Wednesday, March 23, 2016 9:50:58 0.991	228.57	50.4
Wednesday, March 23, 2016 9:55:59 0.991	233.54	50.9
Wednesday, March 23, 2016 10:01:00 0.991	238.51	49.7
Wednesday, March 23, 2016 10:06:00 0.991	243.47	49.6
Wednesday, March 23, 2016 10:11:01 0.991	248.44	49.9
Wednesday, March 23, 2016 10:16:02 0.991	253.41	50.4
Wednesday, March 23, 2016 10:21:02 0.991	258.36	50.5
Wednesday, March 23, 2016 10:26:03 0.991	263.33	50.5
Wednesday, March 23, 2016 10:31:03 0.991	268.29	50.8
Wednesday, March 23, 2016 10:36:04 0.991	273.26	50.5
Wednesday, March 23, 2016 10:41:05 0.991	278.23	50.2
Wednesday, March 23, 2016 10:46:05 0.991	283.18	50.8
Wednesday, March 23, 2016 10:51:06 0.991	288.16	49.9
Wednesday, March 23, 2016 10:56:07 0.991	293.13	50.4
Wednesday, March 23, 2016 11:01:07 0.991	298.08	50.1
Wednesday, March 23, 2016 11:06:08 0.991	303.05	50.9
Wednesday, March 23, 2016 11:11:09 0.991	308.02	50.2
Wednesday, March 23, 2016 11:16:09 0.991	312.98	50.9
Wednesday, March 23, 2016 11:21:10 0.991	317.95	50.3
Wednesday, March 23, 2016 11:26:11 0.991	322.92	50.4
Wednesday, March 23, 2016 11:31:11 0.991	327.87	50.6
Wednesday, March 23, 2016 11:36:12 0.991	332.84	50.4
Wednesday, March 23, 2016 11:41:13 0.991	337.81	50.8
Wednesday, March 23, 2016 11:46:13 0.991	342.77	50.9
Wednesday, March 23, 2016 11:51:14 0.991	347.74	50.3
Wednesday, March 23, 2016 11:56:15 0.991	352.71	50.9
Wednesday, March 23, 2016 12:01:15 0.991	357.66	50.2
Wednesday, March 23, 2016 12:06:16 0.991	362.63	50.5
Wednesday, March 23, 2016 12:11:17 0.991	367.61	49.7
Wednesday, March 23, 2016 12:16:17 0.991	372.56	50.1
Wednesday, March 23, 2016 12:21:18 0.991	377.53	50.2
Wednesday, March 23, 2016 12:26:18 0.991	382.49	50.2
Wednesday, March 23, 2016 12:31:19 0.991	387.46	50.2
Wednesday, March 23, 2016 12:36:20 0.991	392.43	50.5
Wednesday, March 23, 2016 12:41:20 0.991	397.38	50.8
Wednesday, March 22, 2016 12:40:21 0.991	402.33	50.9 50.0
Wednesday, March 22, 2010 12:51:22 0.991	407.32	JU.9 40 7
Wednesday, March 22, 2010 12:30:22 0.991	412.28 417.25	47./ 50.6
Wednesday, March 22, 2010 15:01:25 0.991	417.23 100 00	50.0 50.1
weunesuay, Watch 25, 2010 15:00:24 0.991	422.22	30.1

Wednesday, March 23, 2016 13:11:24 0.991	427.17	50.5
Wednesday, March 23, 2016 13:16:25 0.991	432.14	50.0
Wednesday, March 23, 2016 13:21:26 0.991	437.12	50.5
Wednesday, March 23, 2016 13:26:26 0.991	442.07	50.2
Wednesday, March 23, 2016 13:31:27 0.991	447.04	50.5
Wednesday, March 23, 2016 13:36:28 0.991	452.01	50.7
Wednesday, March 23, 2016 13:41:28 0.991	456.97	50.6
Wednesday, March 23, 2016 13:46:29 0.991	461.94	50.6
Wednesday, March 23, 2016 13:51:30 0.991	466.91	50.4
Wednesday, March 23, 2016 13:56:30 0.991	471.86	50.5
Wednesday, March 23, 2016 14:01:31 0.991	476.83	50.5
Wednesday, March 23, 2016 14:06:32 0.991	481.80	50.2
Wednesday, March 23, 2016 14:11:32 0.991	486.76	50.7
Wednesday, March 23, 2016 14:16:33 0.991	491.73	50.4
Wednesday, March 23, 2016 14:21:34 0.991	496.70	50.1
Wednesday, March 23, 2016 14:26:34 0.991	501.65	50.9
Wednesday, March 23, 2016 14:31:35 0.991	506.62	50.8
Wednesday, March 23, 2016 14:36:36 0.991	511.60	50.1
Wednesday, March 23, 2016 14:41:36 0.991	516.55	50.4
Wednesday, March 23, 2016 14:46:37 0.991	521.52	50.7
Wednesday, March 23, 2016 14:51:38 0.991	526.49	50.8
Wednesday, March 23, 2016 14:56:38 0.991	531.45	50.0
Wednesday, March 23, 2016 15:01:39 0.991	536.42	50.5
Wednesday, March 23, 2016 15:06:40 0.991	541.39	50.8
Wednesday, March 23, 2016 15:11:40 0.991	546.35	51.0
Wednesday, March 23, 2016 15:16:41 0.991	551.32	50.9
Wednesday, March 23, 2016 15:21:42 0.991	556.29	50.9
Wednesday, March 23, 2016 15:26:43 0.991	561.26	50.5
Wednesday, March 23, 2016 15:31:43 0.991	566.22	50.5
Wednesday, March 23, 2016 15:36:44 0.991	571.19	50.4
Wednesday, March 23, 2016 15:41:45 0.991	576.16	50.6
Wednesday, March 23, 2016 15:46:45 0.991	581.11	49.7
Wednesday, March 23, 2016 15:51:46 0.991	586.09	50.5
Wednesday, March 23, 2016 15:56:47 0.991	591.06	50.7
Wednesday, March 23, 2016 16:01:47 0.991	596.01	50.7
Wednesday, March 23, 2016 16:06:48 0.991	600.98	50.6
Wednesday, March 23, 2016 16:11:49 0.991	605.96	50.4
Wednesday, March 23, 2016 16:16:49 0.991	610.91	50.9
Wednesday, March 23, 2016 16:21:50 0.991	615.88	50.9
Wednesday, March 23, 2016 16:26:51 0.991	620.85	50.9
Wednesday, March 23, 2016 16:31:51 0.991	625.81	50.2
Wednesday, March 23, 2016 16:36:52 0.991	630.78	50.9
Wednesday, March 23, 2016 16:41:53 0.991	635.75	50.4
Wednesday, March 23, 2016 16:46:53 0.991	640.71	50.2
Wednesday, March 23, 2016 16:51:54 0.991	645.68	50.6
Wednesday, March 23, 2016 16:56:55 0.991	650.65	50.8
Wednesday, March 23, 2016 17:01:55 0.991	655.61	50.8
Wednesday, March 23, 2016 17:06:56 0.991	660.58	50.4
Wednesday, March 23, 2016 17:11:57 0.991	665.55	50.5
Wednesday, March 23, 2016 17:16:57 0.991	670.50	50.4
Wednesday, March 23, 2016 17:21:58 0.991	675.48	50.5
Wednesday, March 23, 2016 17:26:59 0.991	680.45	50.5
Wednesday, March 23, 2016 17:31:59 0.991	685.40	50.6
Wednesday, March 23, 2016 17:37:00 0.991	690.37	50.8

Wednesday, March 23, 2016 17:42:01 0.991	695.35	50.5
Wednesday, March 23, 2016 17:47:02 0.991	700.32	50.4
Wednesday, March 23, 2016 17:52:02 0.991	705.27	50.4
Wednesday, March 23, 2016 17:57:03 0.991	710.24	50.8
Wednesday, March 23, 2016 18:00:00 0.991	713.17	50.4

aqms5 formaldehyde002 Ch. 2 Cartridge Started Wednesday, March 23, 2016 18:15:03 Flow Rate Set Point 1.00 l/min Stopped Thursday, March 24, 2016 6:15:21 Total Volume 712.79 liters Total Sample Time 12.00 hours Average Flow Rate 0.990 l/min Minimum Flow Rate 0.990 l/min Maximum Flow Rate 0.991 l/min Pre Start Leak Rate 0.020 l/min Ending Leak Rate 0.013 l/min Flow Controller Zero -0.003 l/min Error Code 0 Error Status OK No Errors

Time	Flow Rate	Volume	Temp	
Wednesday, Mar	rch 23, 2016 18:	15:30 0.098	0.22	50.0
Wednesday, Mar	ch 23, 2016 18:	20:30 0.990	5.18	50.6
Wednesday, Mar	ch 23, 2016 18:	25:31 0.990	10.14	50.6
Wednesday, Mar	rch 23, 2016 18:	30:32 0.990	15.11	50.5
Wednesday, Mar	rch 23, 2016 18:	35:32 0.990	20.06	50.5
Wednesday, Mar	rch 23, 2016 18:	40:33 0.990	25.03	50.0
Wednesday, Mar	ch 23, 2016 18:	45:34 0.990	30.00	50.6
Wednesday, Mar	ch 23, 2016 18:	50:34 0.990	34.95	51.1
Wednesday, Mar	ch 23, 2016 18:	55:35 0.990	39.92	50.9
Wednesday, Mar	ch 23, 2016 19:	00:36 0.990	44.89	50.1
Wednesday, Mar	ch 23, 2016 19:	05:36 0.990	49.84	50.5
Wednesday, Mar	rch 23, 2016 19:	10:37 0.990	54.81	50.5
Wednesday, Mar	rch 23, 2016 19:	15:37 0.990	59.76	50.2
Wednesday, Mar	ch 23, 2016 19:	20:38 0.990	64.73	50.5
Wednesday, Mar	ch 23, 2016 19:	25:39 0.990	69.70	50.6
Wednesday, Mar	ch 23, 2016 19:	30:39 0.990	74.65	50.2
Wednesday, Mar	ch 23, 2016 19:	35:40 0.990	79.61	50.4
Wednesday, Mar	ch 23, 2016 19:	40:41 0.990	84.58	50.6
Wednesday, Mar	ch 23, 2016 19:	45:41 0.990	89.53	50.9
Wednesday, Mar	ch 23, 2016 19:	50:42 0.990	94.50	50.5
Wednesday, Mar	ch 23, 2016 19:	55:43 0.990	99.47	50.7
Wednesday, Mar	ch 23, 2016 20:	00:43 0.990	104.42	51.1
Wednesday, Mar	ch 23, 2016 20:	05:44 0.990	109.39	50.7
Wednesday, Mar	rch 23, 2016 20:	10:45 0.990	114.36	50.1
Wednesday, Mar	rch 23, 2016 20:	15:45 0.990	119.31	50.8
Wednesday, Mar	ch 23, 2016 20:	20:46 0.990	124.28	50.4
Wednesday, Mar	ch 23, 2016 20:	25:47 0.990	129.25	50.2
Wednesday, Mar	ch 23, 2016 20:	30:47 0.990	134.20	50.6
Wednesday, Mar	ch 23, 2016 20:	35:48 0.990	139.17	50.1
Wednesday, Mar	ch 23, 2016 20:	40:49 0.990	144.13	50.7
Wednesday, Mar	ch 23, 2016 20:	45:49 0.990	149.09	50.5
Wednesday, Mar	ch 23, 2016 20:	50:50 0.990	154.05	50.3
Wednesday, Mar	ch 23, 2016 20:	55:51 0.990	159.02	50.7

Wednesday, March 23, 2016 21:00:51 0.990) 163.97	7 51.1
Wednesday, March 23, 2016 21:05:52 0.990) 168.94	4 50.9
Wednesday, March 23, 2016 21:10:52 0.990) 173.89	9 50.6
Wednesday, March 23, 2016 21:15:53 0.990) 178.86	5 50.5
Wednesday, March 23, 2016 21:20:54 0.990) 183.83	3 50.1
Wednesday, March 23, 2016 21:25:54 0.990) 188.78	3 50.5
Wednesday, March 23, 2016 21:30:55 0.990) 193.75	5 50.8
Wednesday, March 23, 2016 21:35:55 0.990) 198.70) 50.5
Wednesday, March 23, 2016 21:40:56 0.990) 203.67	7 51.0
Wednesday, March 23, 2016 21:45:57 0.990) 208.64	4 50.5
Wednesday, March 23, 2016 21:50:57 0.990) 213.59	9 50.4
Wednesday, March 23, 2016 21:55:58 0.990) 218.56	5 50.5
Wednesday, March 23, 2016 22:00:59 0.990) 223.53	3 50.6
Wednesday, March 23, 2016 22:05:59 0.990) 228.48	3 50.2
Wednesday, March 23, 2016 22:11:00 0.990) 233.45	5 50.9
Wednesday, March 23, 2016 22:16:01 0.990) 238.41	50.6
Wednesday, March 23, 2016 22:21:01 0.990) 243.37	50.5
Wednesday, March 23, 2016 22:26:02 0.990) 248.33	3 50.8
Wednesday, March 23, 2016 22:31:02 0.990) 253.29	9 49.7
Wednesday, March 23, 2016 22:36:03 0.990) 258.25	5 50.8
Wednesday, March 23, 2016 22:41:04 0.990) 263.22	2 50.2
Wednesday, March 23, 2016 22:46:04 0.990) 268.17	51.2
Wednesday, March 23, 2016 22:51:05 0.990) 273.14	49.8
Wednesday, March 23, 2016 22:56:06 0.990) 278.11	50.6
Wednesday, March 23, 2016 23:01:06 0.990) 283.06	5 49.8
Wednesday, March 23, 2016 23:06:07 0.990) 288.03	3 50.2
Wednesday, March 23, 2016 23:11:08 0.990) 293.00) 50.9
Wednesday, March 23, 2016 23:16:08 0.990) 297.95	5 49.8
Wednesday, March 23, 2016 23:21:09 0.990) 302.92	2 50.1
Wednesday, March 23, 2016 23:26:10 0.990) 307.89	9 50.1
Wednesday, March 23, 2016 23:31:10 0.990) 312.84	4 50.6
Wednesday, March 23, 2016 23:36:11 0.990) 317.81	50.8
Wednesday, March 23, 2016 23:41:12 0.990) 322.78	3 50.7
Wednesday, March 23, 2016 23:46:12 0.990) 327.73	3 50.1
Wednesday, March 23, 2016 23:51:13 0.990) 332.70) 49.7
Wednesday, March 23, 2016 23:56:14 0.990) 337.66	5 51.0
Thursday, March 24, 2016 0:01:14 0.990	342.61	50.9
Thursday, March 24, 2016 0:06:15 0.990	347.58	50.6
Thursday, March 24, 2016 0:11:16 0.990	352.55	50.8
Thursday, March 24, 2016 0:16:16 0.990	357.50	50.7
Thursday, March 24, 2016 0:21:17 0.990	362.47	50.2
Thursday, March 24, 2016 0:26:17 0.990	367.42	50.0
Thursday, March 24, 2016 0:31:18 0.990	372.39	50.6
Thursday, March 24, 2016 0:36:19 0.990	377.36	50.8
Thursday, March 24, 2016 0:41:19 0.990	382.31	50.8
Thursday, March 24, 2016 0:46:20 0.990	387.28	50.4
Thursday, March 24, 2016 0:51:21 0.990	392.25	50.2
Thursday, March 24, 2016 0:50:21 0.990	397.20	50.9
Thursday, March 24, 2016 1:01:22 0.990	402.17	50.5 50.5
Thursday, March 24, 2010 1:00:25 0.990 Thursday, March 24, 2016 1:11:22 0.000	407.14	50.5
Thursday, March 24 , 2010 1.11.25 0.990 Thursday, March 24 , 2016 1.16.24 0.000	412.09 /17.06	50.5
Thursday March 24 , 2010 1.10.24 0.990 Thursday March 24 , 2016 1.21.25 0.000	422 02	50.5
Thursday March 24, 2010 1.21.25 0.390	426.02	50.7
11015003, 1101127 , $20101.20.230.790$	T20.70	50.0
Thursday, March 24, 2016 1:31:26 0.990	431.94	50.3
--	--------	------
Thursday, March 24, 2016 1:36:27 0.990	436.91	50.8
Thursday, March 24, 2016 1:41:27 0.990	441.87	49.7
Thursday, March 24, 2016 1:46:28 0.990	446.83	50.5
Thursday, March 24, 2016 1:51:28 0.990	451.79	50.2
Thursday, March 24, 2016 1:56:29 0.990	456.75	50.1
Thursday, March 24, 2016 2:01:30 0.990	461.72	49.9
Thursday, March 24, 2016 2:06:30 0.990	466.67	50.6
Thursday, March 24, 2016 2:11:31 0.990	471.64	50.6
Thursday, March 24, 2016 2:16:32 0.990	476.61	50.3
Thursday, March 24, 2016 2:21:32 0.990	481.56	50.9
Thursday, March 24, 2016 2:26:33 0.990	486.53	50.8
Thursday, March 24, 2016 2:31:34 0.990	491.50	50.5
Thursday, March 24, 2016 2:36:34 0.990	496.45	50.5
Thursday, March 24, 2016 2:41:35 0.990	501.42	50.3
Thursday, March 24, 2016 2:46:36 0.990	506.39	50.5
Thursday, March 24, 2016 2:51:36 0.990	511.34	50.6
Thursday, March 24, 2016 2:56:37 0.990	516.31	50.6
Thursday, March 24, 2016 3:01:38 0.990	521.28	50.1
Thursday, March 24, 2016 3:06:38 0.990	526.23	50.3
Thursday, March 24, 2016 3:11:39 0.990	531.20	49.8
Thursday, March 24, 2016 3:16:40 0.990	536.16	50.1
Thursday, March 24, 2016 3:21:40 0.990	541.12	50.8
Thursday, March 24, 2016 3:26:41 0.990	546.08	50.6
Thursday, March 24, 2016 3:31:42 0.990	551.05	50.6
Thursday, March 24, 2016 3:36:42 0.990	556.00	50.5
Thursday, March 24, 2016 3:41:43 0.990	560.97	50.3
Thursday, March 24, 2016 3:46:44 0.990	565.94	50.9
Thursday, March 24, 2016 3:51:44 0.990	570.89	50.3
Thursday, March 24, 2016 3:56:45 0.990	575.86	49.8
Thursday, March 24, 2016 4:01:46 0.990	580.83	50.4
Thursday, March 24, 2016 4:06:46 0.990	585.78	49.7
Thursday, March 24, 2016 4:11:47 0.990	590.75	50.7
Thursday, March 24, 2016 4:16:48 0.990	595.72	50.1
Thursday, March 24, 2016 4:21:48 0.990	600.67	50.2
Thursday, March 24, 2016 4:26:49 0.990	605.64	50.3
Thursday, March 24, 2016 4:31:50 0.990	610.61	50.4
Thursday, March 24, 2016 4:36:50 0.990	615.56	50.1
Thursday, March 24, 2016 4:41:51 0.990	620.53	50.6
Thursday, March 24, 2016 4:46:52 0.990	625.50	50.6
Thursday, March 24, 2016 4:51:52 0.990	630.45	50.7
Thursday, March 24, 2016 4:56:53 0.990	635.42	50.1
Thursday, March 24, 2016 5:01:54 0.990	640.38	50.6
Thursday, March 24, 2016 5:06:54 0.990	645.34	50.5
Thursday, March 24, 2016 5:11:55 0.990	650.30	50.4
Thursday, March 24, 2016 5:16:56 0.990	655.27	50.9
Thursday, March 24, 2016 5:21:56 0.990	660.23	50.4
Thursday, March 24, 2016 5:26:57 0.990	665.19	50.0
Thursday, March 24, 2016 5:31:58 0.990	670.16	50.0
Thursday, March 24, 2016 5:36:58 0.990	675.11	49.8
Thursday, March 24, 2016 5:41:59 0.990	680.08	50.6
Thursday, March 24, 2016 5:46:59 0.990	685.03	49.8
Thursday, March 24, 2016 5:52:00 0.990	690.00	49.9
Thursday, March 24, 2016 5:57:01 0.990	694.97	50.6

Thursday, March 24, 2016 6:02:01 0.990	699.92	50.2
Thursday, March 24, 2016 6:07:02 0.990	704.89	50.5
Thursday, March 24, 2016 6:12:03 0.990	709.86	50.5
Thursday, March 24, 2016 6:15:00 0.990	712.78	50.6

aqms5 formaldehyde001 Ch. 1 Cartridge Started Tuesday, March 29, 2016 6:00:02 Flow Rate Set Point 1.00 l/min Stopped Tuesday, March 29, 2016 18:00:23 Total Volume 713.22 liters Total Sample Time 12.00 hours Average Flow Rate 0.991 l/min Minimum Flow Rate 0.991 l/min Maximum Flow Rate 0.991 l/min Pre Start Leak Rate -0.003 l/min Ending Leak Rate -0.006 l/min Flow Controller Zero -0.002 l/min Error Code 0 Error Status OK No Errors

Flow Rate

Time

Temp

Volume

Tuesday, March 29, 2016 6:00:29 0.079	0.23	49.6
Tuesday, March 29, 2016 6:05:30 0.991	5.20	50.4
Tuesday, March 29, 2016 6:10:31 0.991	10.17	50.1
Tuesday, March 29, 2016 6:15:31 0.991	15.12	50.4
Tuesday, March 29, 2016 6:20:32 0.991	20.09	49.4
Tuesday, March 29, 2016 6:25:32 0.991	25.05	50.0
Tuesday, March 29, 2016 6:30:33 0.991	30.02	49.7
Tuesday, March 29, 2016 6:35:33 0.991	34.97	50.5
Tuesday, March 29, 2016 6:40:34 0.991	39.94	50.6
Tuesday, March 29, 2016 6:45:35 0.991	44.91	49.8
Tuesday, March 29, 2016 6:50:35 0.991	49.86	50.4
Tuesday, March 29, 2016 6:55:36 0.991	54.83	50.3
Tuesday, March 29, 2016 7:00:36 0.991	59.79	50.3
Tuesday, March 29, 2016 7:05:37 0.991	64.76	50.8
Tuesday, March 29, 2016 7:10:38 0.991	69.73	50.0
Tuesday, March 29, 2016 7:15:38 0.991	74.68	49.6
Tuesday, March 29, 2016 7:20:39 0.991	79.65	50.3
Tuesday, March 29, 2016 7:25:39 0.991	84.61	50.4
Tuesday, March 29, 2016 7:30:40 0.991	89.58	50.3
Tuesday, March 29, 2016 7:35:41 0.991	94.55	50.6
Tuesday, March 29, 2016 7:40:41 0.991	99.50	50.3
Tuesday, March 29, 2016 7:45:42 0.991	104.47	50.4
Tuesday, March 29, 2016 7:50:42 0.991	109.43	50.9
Tuesday, March 29, 2016 7:55:43 0.991	114.40	50.9
Tuesday, March 29, 2016 8:00:44 0.991	119.37	50.0
Tuesday, March 29, 2016 8:05:44 0.991	124.32	50.4
Tuesday, March 29, 2016 8:10:45 0.991	129.29	50.9
Tuesday, March 29, 2016 8:15:46 0.991	134.26	50.8
Tuesday, March 29, 2016 8:20:46 0.991	139.22	50.8
Tuesday, March 29, 2016 8:25:47 0.991	144.19	50.5
Tuesday, March 29, 2016 8:30:47 0.991	149.14	50.4
Tuesday, March 29, 2016 8:35:48 0.991	154.11	50.7
Tuesday, March 29, 2016 8:40:49 0.991	159.08	50.6

Tuesday, March 29, 2016 8:45:49 0.991	164.04	50.5
Tuesday, March 29, 2016 8:50:50 0.991	169.01	50.6
Tuesday, March 29, 2016 8:55:51 0.991	173.98	50.2
Tuesday, March 29, 2016 9:00:51 0.991	178.93	50.0
Tuesday, March 29, 2016 9:05:52 0.991	183.91	50.4
Tuesday, March 29, 2016 9:10:52 0.991	188.86	50.9
Tuesday, March 29, 2016 9:15:53 0 991	193.83	49.9
Tuesday, March 29, 2016 9:20:54 0 991	198.80	50.1
Tuesday, March 29, 2016 9:25:54 0 991	203 76	50.1
Tuesday, March 29, 2010 9:20:51 0:991	208.73	50.2
Tuesday, March 29, 2010 9:35:55 0 991	213.68	49 5
Tuesday, March 29, 2010 9:35:55 0:591	213.00	49.7
Tuesday, March 29, 2010 9:45:57 0 991	210.05	50.2
Tuesday, March 29, 2010 9:45.57 0.991	223.02	J0.2 10 5
Tuesday, March 29, 2010 9:50:57 0:591	220.30	4).J
Tuesday, March 29, 2010 9.55.58 0.991 Tuesday, March 20, 2016 10:00:58 0.001	233.33	50.5
Tuesday, March 29, 2010 10.00.38 0.991 Tuesday, March 20, 2016 10.05:50,0.001	230.30	50.8
Tuesday, March 29, 2016 10:05:59 0.991 Tuesday, March 20, 2016 10:11:00 0.001	243.47	50.7
Tuesday, March 29, 2016 10:11:00 0.991	240.44	50.5
Tuesday, March 29, 2016 10:16:00 0.991	253.40	50.8
Tuesday, March 29, 2016 10:21:01 0.991	258.57	50.9
Tuesday, March 29, 2016 10:26:02 0.991	263.34	50.2
Tuesday, March 29, 2016 10:31:02 0.991	268.29	50.0
Tuesday, March 29, 2016 10:36:03 0.991	273.26	50.6
Tuesday, March 29, 2016 10:41:04 0.991	278.23	49.9
Tuesday, March 29, 2016 10:46:04 0.991	283.19	50.0
Tuesday, March 29, 2016 10:51:05 0.991	288.16	50.5
Tuesday, March 29, 2016 10:56:05 0.991	293.11	50.6
Tuesday, March 29, 2016 11:01:06 0.991	298.08	50.5
Tuesday, March 29, 2016 11:06:07 0.991	303.05	50.5
Tuesday, March 29, 2016 11:11:07 0.991	308.01	50.1
Tuesday, March 29, 2016 11:16:08 0.991	312.98	50.1
Tuesday, March 29, 2016 11:21:09 0.991	317.95	50.6
Tuesday, March 29, 2016 11:26:09 0.991	322.91	50.4
Tuesday, March 29, 2016 11:31:10 0.991	327.88	50.3
Tuesday, March 29, 2016 11:36:10 0.991	332.83	51.0
Tuesday, March 29, 2016 11:41:11 0.991	337.80	50.4
Tuesday, March 29, 2016 11:46:12 0.991	342.77	49.7
Tuesday, March 29, 2016 11:51:12 0.991	347.73	50.7
Tuesday, March 29, 2016 11:56:13 0.991	352.70	50.0
Tuesday, March 29, 2016 12:01:14 0.991	357.67	50.7
Tuesday, March 29, 2016 12:06:14 0.991	362.62	50.8
Tuesday, March 29, 2016 12:11:15 0.991	367.59	50.9
Tuesday, March 29, 2016 12:16:15 0.991	372.55	50.4
Tuesday, March 29, 2016 12:21:16 0.991	377.52	50.8
Tuesday, March 29, 2016 12:26:17 0.991	382.49	50.2
Tuesday, March 29, 2016 12:31:17 0.991	387.44	50.8
Tuesday, March 29, 2016 12:36:18 0.991	392.41	50.6
Tuesday, March 29, 2016 12:41:19 0 991	397.38	50.0
Tuesday, March 29, 2016 12:46:19 0 991	402.34	50.3
Tuesday, March 29, 2016 12:10:19 0.991	407 31	50.2
Tuesday, March 29, 2010 12:51:20 0.991 Tuesday March 29, 2016 12:56:20 0.991	412.26	50.2
Tuesday, March 29, 2010 12:00:20 0.991 Tuesday March 29, 2016 13:01:21 0.901	417.20	50.9
Tuesday, March 29, 2010 13:01:21 0.991 Tuesday March 29, 2016 13:06:22 0.001	422.23	50.5 50.6
Tuesday, March 29, 2016 13:00.22 0.991	427 16	50.0 50.6

Tuesday, March 29, 2016 13:16:23 0.991	432.13	50.0
Tuesday, March 29, 2016 13:21:24 0.991	437.10	50.1
Tuesday, March 29, 2016 13:26:24 0.991	442.06	51.0
Tuesday, March 29, 2016 13:31:25 0.991	447.03	51.0
Tuesday, March 29, 2016 13:36:25 0.991	451.98	50.5
Tuesday, March 29, 2016 13:41:26 0.991	456.95	50.9
Tuesday, March 29, 2016 13:46:27 0.991	461.92	50.4
Tuesday, March 29, 2016 13:51:27 0.991	466.88	50.8
Tuesday, March 29, 2016 13:56:28 0.991	471.85	50.8
Tuesday, March 29, 2016 14:01:29 0.991	476.82	50.6
Tuesday, March 29, 2016 14:06:29 0.991	481.77	50.2
Tuesday, March 29, 2016 14:11:30 0.991	486.74	50.5
Tuesday, March 29, 2016 14:16:31 0.991	491.72	50.5
Tuesday, March 29, 2016 14:21:31 0.991	496.67	51.0
Tuesday, March 29, 2016 14:26:32 0.991	501.64	50.9
Tuesday, March 29, 2016 14:31:32 0.991	506.60	51.0
Tuesday, March 29, 2016 14:36:33 0.991	511.57	50.5
Tuesday, March 29, 2016 14:41:34 0.991	516.54	50.6
Tuesday, March 29, 2016 14:46:34 0.991	521.49	50.6
Tuesday, March 29, 2016 14:51:35 0 991	526.46	50.1
Tuesday, March 29, 2016 14:56:36 0 991	531 44	51.0
Tuesday, March 29, 2016 15:01:36 0 991	536 39	50.8
Tuesday, March 29, 2016 15:06:37 0 991	541 36	50.5
Tuesday, March 29, 2016 15:00:57 0:991 Tuesday March 29, 2016 15:11:38 0 991	546 33	50.5
Tuesday, March 29, 2010 15:11:50 0.991 Tuesday March 29, 2016 15:16:38 0 991	551 29	50.5
Tuesday, March 29, 2010 15:10:50 0.991 Tuesday March 29, 2016 15:21:39 0 991	556.26	50.1
Tuesday, March 29, 2016 15:21:39 0.991 Tuesday March 29, 2016 15:26:40 0 991	561.23	50.0
Tuesday, March 29, 2016 15:20:10 0.991	566 19	50.2
Tuesday, March 29, 2010 15:31:40 0.991 Tuesday March 29, 2016 15:36:41 0 991	571 16	50.2
Tuesday, March 29, 2010 15:50.41 0.991	576.11	51.0
Tuesday, March 29, 2010 15:46:42 0 991	581.08	50.7
Tuesday, March 29, 2010 $15.40.420.991$ Tuesday March 29, 2016 $15.51.430991$	586.06	50.7
Tuesday, March 29, 2010 $15.51.43 0.991$ Tuesday, March 29, 2016 $15.56.43 0.991$	501.00	50.5
Tuesday, March 29, 2010 $15.50.45 \ 0.991$	595.98	<i>J</i> 0. <i>J</i>
Tuesday, March 29, 2010 $10.01.44 \ 0.991$	600.95	4).) 50.8
Tuesday, March 29, 2016 16:00.45 0.991	605.01	50.8
Tuesday, March 29, 2010 10.11.45 0.991	610.88	50.2
Tuesday, March 20, 2016 16:21:47 0.001	615.85	50.5
Tuesday, March 29, 2010 10.21.47 0.991 Tuesday, March 20, 2016 16:26:47 0.001	620.81	50.7
Tuesday, March 29, 2010 10.20.47 0.991 Tuesday, March 20, 2016 16:31:48 0.001	625.78	50.9
Tuesday, March 20, 2016 16:36:40 0.001	620.75	50.2
Tuesday, March 20, 2016 16:41:40,0.001	635 70	50.0
Tuesday, March 20, 2016 16:46:50 0.001	640.68	50.1
Tuesday, March 29, 2010 10.40.30 0.991 Tuesday, March 20, 2016 16:51:50 0.001	645.62	50.1
Tuesday, March 20, 2016 16:56:51 0 001	043.03 650.60	50.4
Tuesday, March 29, 2010 10:50:51 0.991	030.00 655 57	30.3 40.8
Tuesday, March 29, 2010 17:01:52 0.991	033.37	49.8
Tuesday, March 20, 2016 17:10:52 0.991	000.33	49.8 50.9
Tuesday, March 20, 2016 17:11:53 0.991 Tuesday, March 20, 2016 17:16:54 0.001	003.3U	JU.8
Tuesday, March 20, 2016 17:10:54 0.991	010.41	51.1 50 F
Tuesday, March 29, 2016 17:21:54 0.991	0/3.43	50.5
Tuesday, March 29, 2016 17:26:55 0.991	080.40	50.8
Tuesday, March 29, 2016 17:31:56 0.991	085.57	50.9 40.7
Tuesday, March 29, 2016 17:36:56 0.991	090.32	49./
Tuesday, March 29, 2016 17:41:57 0.991	695.30	50.8

Tuesday, March 29, 2016 17:46:58 0.991	700.27	50.5
Tuesday, March 29, 2016 17:51:58 0.991	705.22	50.8
Tuesday, March 29, 2016 17:56:59 0.991	710.19	51.0
Tuesday, March 29, 2016 18:00:02 0.991	713.22	50.1

aqms5 formaldehyde002 Ch. 2 Cartridge Started Tuesday, March 29, 2016 18:15:04 Flow Rate Set Point 1.00 l/min Stopped Wednesday, March 30, 2016 6:15:21 Total Volume 712.76 liters Total Sample Time 12.00 hours Average Flow Rate 0.990 l/min Minimum Flow Rate 0.990 l/min Maximum Flow Rate 0.991 l/min Pre Start Leak Rate 0.001 l/min Ending Leak Rate -0.007 l/min Flow Controller Zero -0.003 l/min Error Code 0 Error Status OK No Errors

Flow Rate	Volume	Tem	þ
		-	-
2016 18:15:31	0.080	0.22	50.4
2016 18:20:32	0.990	5.19	50.2
2016 18:25:33	0.990	10.16	50.2
2016 18:30:33	0.990	15.11	49.8
2016 18:35:34	0.990	20.08	50.6
2016 18:40:34	0.990	25.03	50.5
2016 18:45:35	0.990	30.00	50.0
2016 18:50:36	0.990	34.97	50.1
2016 18:55:36	0.990	39.92	50.8
2016 19:00:37	0.990	44.89	50.2
2016 19:05:38	0.990	49.85	50.1
2016 19:10:38	0.990	54.81	50.5
2016 19:15:39	0.990	59.77	50.6
2016 19:20:40	0.990	64.74	50.4
2016 19:25:40	0.990	69.69	50.5
2016 19:30:41	0.990	74.66	50.5
2016 19:35:41	0.990	79.61	50.4
2016 19:40:42	0.990	84.58	50.6
2016 19:45:43	0.990	89.55	50.5
2016 19:50:43	0.990	94.50	50.5
2016 19:55:44	0.990	99.47	50.1
2016 20:00:45	0.990	104.44	50.5
2016 20:05:45	0.990	109.39	50.0
2016 20:10:46	0.990	114.36	49.8
2016 20:15:47	0.990	119.32	50.6
2016 20:20:47	0.990	124.28	50.2
2016 20:25:48	0.990	129.24	50.6
2016 20:30:48	0.990	134.20	50.5
2016 20:35:49	0.990	139.16	50.5
2016 20:40:50	0.990	144.13	50.7
2016 20:45:50	0.990	149.08	50.2
2016 20:50:51	0.990	154.05	50.4
2016 20:55:52	0.990	159.02	50.5
	Flow Rate 2016 18:15:31 2016 18:20:32 2016 18:25:33 2016 18:30:33 2016 18:30:34 2016 18:40:34 2016 18:40:34 2016 18:50:36 2016 18:55:36 2016 19:00:37 2016 19:00:37 2016 19:00:37 2016 19:10:38 2016 19:15:39 2016 19:25:40 2016 19:25:40 2016 19:30:41 2016 19:35:41 2016 19:45:43 2016 19:55:44 2016 20:00:45 2016 20:00:45 2016 20:00:45 2016 20:10:46 2016 20:10:46 2016 20:25:48 2016 20:35:49 2016 20:35:49 2016 20:55:52	Flow Rate Volume 2016 18:15:31 0.080 2016 18:20:32 0.990 2016 18:25:33 0.990 2016 18:30:33 0.990 2016 18:30:33 0.990 2016 18:40:34 0.990 2016 18:40:34 0.990 2016 18:50:36 0.990 2016 19:00:37 0.990 2016 19:00:37 0.990 2016 19:10:38 0.990 2016 19:10:38 0.990 2016 19:20:40 0.990 2016 19:20:40 0.990 2016 19:25:40 0.990 2016 19:30:41 0.990 2016 19:35:41 0.990 2016 19:40:42 0.990 2016 19:50:43 0.990 2016 19:55:44 0.990 2016 20:00:45 0.990 2016 20:01:46 0.990 2016 20:10:46 0.990 2016 20:25:48 0.990 2016 20:25:48 0.990 2016 20:35:49 0.990 2016 20:45:50 0.990 2016 20:50:51 0.990 2016 20:50:51 0.990	Flow RateVolumeTemp201618:15:310.0800.22201618:20:320.9905.19201618:25:330.99010.16201618:30:330.99015.11201618:35:340.99025.03201618:40:340.99025.03201618:50:360.99034.97201618:55:360.99039.92201619:00:370.99044.89201619:10:380.99059.77201619:20:400.99054.81201619:20:400.99064.74201619:25:400.99069.69201619:30:410.99074.66201619:35:410.99079.61201619:50:430.99084.58201619:50:430.99084.58201619:55:440.990104.44201620:05:450.990104.44201620:10:460.990114.36201620:10:460.990124.28201620:25:480.990129.24201620:35:490.990139.16201620:35:490.990139.16201620:35:490.990139.16201620:55:520.990144.13201620:55:520.990154.05201620:55:520.990154.05201620:55:520.990154.05

Tuesday March 29 2016 21:00:52 0 990	163 97	50.9
Tuesday, March 29, 2010 21:00:52 0.990	168.0/	<i>Л</i> О Л
Tuesday, March 29, 2010 21:05:55 0.990	173.80	
Tuesday, March 29, 2010 21:10:55 0.990	178.86	50.4
Tuesday, March 29, 2010 21:15:54 0.990	183.83	50.1
Tuesday, March 29, 2010 21:20:55 0.990	102.05	50.5
Tuesday, March 29, 2010 21.25.55 0.990	100.70	50.0
Tuesday, March 29, 2010 21:30:30 0.990	195.75	50.1
Tuesday, March 29, 2010 21.55.57 0.990	190.12	50.5
Tuesday, March 20, 2016 21.40.37 0.990	205.07	50.2
Tuesday, March 29, 2016 21:45:58 0.990	208.04	30.2 40.0
Tuesday, March 29, 2016 21:50:59 0.990	213.00	49.9
Tuesday, March 29, 2016 21:55:59 0.990	218.50	50.8
Tuesday, March 29, 2016 22:01:00 0.990	223.52	50.4
Tuesday, March 29, 2016 22:06:01 0.990	228.49	49.8
Tuesday, March 29, 2016 22:11:01 0.990	233.44	49.7
Tuesday, March 29, 2016 22:16:02 0.990	238.41	50.6
Tuesday, March 29, 2016 22:21:03 0.990	243.38	50.6
Tuesday, March 29, 2016 22:26:03 0.990	248.33	50.0
Tuesday, March 29, 2016 22:31:04 0.990	253.30	50.6
Tuesday, March 29, 2016 22:36:05 0.990	258.27	50.5
Tuesday, March 29, 2016 22:41:05 0.990	263.22	50.3
Tuesday, March 29, 2016 22:46:06 0.990	268.19	50.1
Tuesday, March 29, 2016 22:51:06 0.990	273.14	50.8
Tuesday, March 29, 2016 22:56:07 0.990	278.11	50.7
Tuesday, March 29, 2016 23:01:08 0.990	283.08	50.3
Tuesday, March 29, 2016 23:06:08 0.990	288.03	50.3
Tuesday, March 29, 2016 23:11:09 0.990	293.00	50.9
Tuesday, March 29, 2016 23:16:10 0.990	297.96	50.0
Tuesday, March 29, 2016 23:21:10 0.990	302.92	50.6
Tuesday, March 29, 2016 23:26:11 0.990	307.88	50.2
Tuesday, March 29, 2016 23:31:12 0.990	312.85	50.6
Tuesday, March 29, 2016 23:36:12 0.990	317.80	50.2
Tuesday, March 29, 2016 23:41:13 0.990	322.77	50.0
Tuesday, March 29, 2016 23:46:13 0.990	327.72	50.6
Tuesday, March 29, 2016 23:51:14 0.990	332.69	50.2
Tuesday, March 29, 2016 23:56:15 0 990	337.66	50.5
Wednesday, March 30, 2016 0:01:15 0.990	342.61	50.3
Wednesday, March 30, 2016 0:06:16 0.990	347 58	50.6
Wednesday, March 30, 2016 0:00:10 0.990	352 55	50.0
Wednesday, March 30, 2016 0:16:17 0.990	357 50	50.1
Wednesday, March 30, 2016 0.10.17 0.990	362 47	50.1 50.4
Wednesday, March 30, $2016 0.21.10 0.990$	367 11	50.4
Wednesday, March 30, $20100.20.190.990$	307.44	50.0
Wednesday, March 30, 2016 0.31.19 0.990	372.33	50.0
Wednesday, March 20, $2016, 0.41, 21, 0, 000$	202 22	50.5
Wednesday, March 20, 2016 0:41.21 0.990	207.32	JU.8 40.7
Wednesday, March 20, 2016 0:40:21 0.990	202.24	49.7
Wednesday, March 20, 2016 0:51:22 0.990	207.24	50.4
Wednesday, March 20, 2016 1:01:22 0.000	397.21	50.5
Wednesday, March 30, 2016 1:01:23 0.990	402.10	50.2
Wednesday, March 30, 2016 1:06:24 0.990	407.13	50.6
weanesday, March 30, 2016 1:11:25 0.990	412.10	50.1
weanesday, March 30, 2016 1:16:25 0.990	41/.05	50.5
wednesday, March 30, 2016 1:21:26 0.990	422.02	50.8
wednesday, March 30, 2016 1:26:27 0.990	426.99	50.5

Wednesday, March 30, 2016 1:31:27 0.990	431.94	50.4
Wednesday, March 30, 2016 1:36:28 0.990	436.91	50.3
Wednesday, March 30, 2016 1:41:29 0.990	441.87	50.5
Wednesday, March 30, 2016 1:46:29 0.990	446.83	50.4
Wednesday, March 30, 2016 1:51:30 0.990	451.79	50.4
Wednesday, March 30, 2016 1:56:30 0.990	456.75	50.8
Wednesday, March 30, 2016 2:01:31 0.990	461.71	50.1
Wednesday, March 30, 2016 2:06:32 0.990	466.68	50.4
Wednesday, March 30, 2016 2:11:32 0.990	471.63	50.8
Wednesday, March 30, 2016 2:16:33 0.990	476.60	50.2
Wednesday, March 30, 2016 2:21:34 0.990	481.57	50.6
Wednesday, March 30, 2016 2:26:34 0.990	486.52	50.6
Wednesday, March 30, 2016 2:31:35 0.990	491.49	49.9
Wednesday, March 30, 2016 2:36:36 0.990	496.46	50.5
Wednesday, March 30, 2016 2:41:36 0.990	501.41	50.5
Wednesday, March 30, 2016 2:46:37 0.990	506.38	50.9
Wednesday, March 30, 2016 2:51:38 0.990	511.34	51.0
Wednesday, March 30, 2016 2:56:38 0.990	516.30	50.4
Wednesday, March 30, 2016 3:01:39 0.990	521.26	50.9
Wednesday, March 30, 2016 3:06:39 0.990	526.22	49.5
Wednesday, March 30, 2016 3:11:40 0.990	531.18	50.3
Wednesday, March 30, 2016 3:16:41 0.990	536.15	50.3
Wednesday, March 30, 2016 3:21:41 0.990	541.10	50.1
Wednesday, March 30, 2016 3:26:42 0.990	546.07	50.4
Wednesday, March 30, 2016 3:31:43 0.990	551.04	50.9
Wednesday, March 30, 2016 3:36:43 0.990	555.99	50.9
Wednesday, March 30, 2016 3:41:44 0.990	560.96	50.6
Wednesday, March 30, 2016 3:46:44 0.990	565.91	50.5
Wednesday, March 30, 2016 3:51:45 0.990	570.88	50.5
Wednesday, March 30, 2016 3:56:46 0.990	575.85	50.9
Wednesday, March 30, 2016 4:01:46 0.990	580.80	50.2
Wednesday, March 30, 2016 4:06:47 0.990	585.77	50.0
Wednesday, March 30, 2016 4:11:48 0.990	590.74	50.0
Wednesday, March 30, 2016 4:16:48 0.990	595.69	49.7
Wednesday, March 30, 2016 4:21:49 0.990	600.66	50.8
Wednesday, March 30, 2016 4:26:49 0.990	605.61	50.8
Wednesday, March 30, 2016 4:31:50 0.990	610.58	49.7
Wednesday, March 30, 2016 4:36:51 0.990	615.55	50.3
Wednesday, March 30, 2016 4:41:51 0.990	620.50	50.3
Wednesday, March 30, 2016 4:46:52 0.990	625.47	50.5
Wednesday, March 30, 2016 4:51:53 0.990	630.44	50.0
Wednesday, March 30, 2016 4:56:53 0.990	635.39	50.4
Wednesday, March 30, 2016 5:01:54 0.990	640.36	50.1
Wednesday, March 30, 2016 5:06:54 0.990	645.31	50.9
Wednesday, March 30, 2016 5:11:55 0.990	650.28	50.8
Wednesday, March 30, 2016 5:16:56 0.990	655.25	50.4
Wednesday, March 30, 2016 5:21:56 0.990	660.20	50.4
Wednesday, March 30, 2016 5:26:57 0.990	665.17	50.9
Wednesday, March 30, 2016 5:31:57 0.990	670.12	50.1
Wednesday, March 30, 2016 5:36:58 0.990	675.09	50.3
Wednesday, March 30, 2016 5:41:59 0.990	680.05	49.6
Wednesday, March 30, 2016 5:46:59 0.990	685.01	50.7
Wednesday, March 30, 2016 5:52:00 0.990	689.97	50.2
Wednesday, March 30, 2016 5:57:01 0.990	694.94	50.5

Wednesday, March 30, 2016 6:02:01 0.990	699.89	50.3
Wednesday, March 30, 2016 6:07:02 0.990	704.86	50.0
Wednesday, March 30, 2016 6:12:02 0.990	709.82	49.7
Wednesday, March 30, 2016 6:15:00 0.990	712.75	49.9

APPENDIX D

Laboratory Accreditation

	<u>Mana Mana Mana Mana M</u>	
	OREGON Environmental Laboratory Accreditation Program	
	NELAP Recognized Eurofins Air Toxics, Inc	
	CA300005	
	180 Blue Ravine Road, Ste. B	
And	Folsom,CA 95630	
	IS GRANTED APPROVAL BY ORELAP UNDER THE 2009 TNI STANDARDS, TO PERFORM ANALYSES ON ENVIRONMENTAL SAMPLES IN MATRICES AS LISTED BELOW :	
	Non Potable Solids and Air Drinking Water Water Chem. Waste Tissue	
	Chemistry	
	TECHNIQUES, AND FIELDS OF TESTING ISSUED CONCURRENTLY WITH THIS CERTIFICATE AND REVISED AS NECESSARY.	
	ACCREDITED STATUS DEPENDS ON SUCCESSFUL ONGOING PARTICIPATION IN THE PROGRAM AND CONTINUED COMPLIANCE WITH THE STANDARDS.	
	CUSTOMERS ARE URGED TO VERIFY THE LABORATORY'S CURRENT ACCREDITATION STATUS IN OREGON.	
	Sarry Ward	
	Gary K. Ward/MS	
	ORELAP Administrator	
	3150 NW. 229th Ave, Suite 100	
	Hillsboro, OR 97124	
	ISSUE DATE: 10/18/2015	
	EXPIRATION DATE: 10/17/2016	
	Certificate No: CA300005 - 007	

O 1995 GOES 2345

LITHO IN U.S.A



Oregon



Environmental Laboratory Accreditation Program

Department of Agriculture, Laboratory Division Department of Environmental Quality, Laboratory Division Oregon Health Authority, Public Health Division

ORELAP Fields of Accreditation

ORELAP ID: CA300005 EPA CODE: CA00933 Certificate: CA300005 - 008

Eurofins Air Toxics, Inc

180 Blue Ravine Road, Ste. B Folsom CA 95630

Issue Date: 10/18/2015 Expiration Date: 10/17/2016

As of 10/18/2015 this list supercedes all previous lists for this certificate number. Customers. Please verify the current accreditation standing with ORELAP.

MATRIX : Air

Reference		Code	Description
ASTM D1945 03		30024443	Natural Gas by Gas Chromatography
Analy	te Code	Analyte	
49	938	2-Methylbutane (Isopentane)	
49	942	2-methylpropane (Isobutane)	
4:	323	Acetylene	
3	755	Carbon dioxide	
3	780	Carbon monoxide	
4	747	Ethane	
4	752	Ethene	
17	767	Helium	
17	772	Hydrogen	
49	926	Methane	
50	007	n-Butane	
9	511	Neopentane	
18	843	Nitrogen	
50	028	n-Pentane	
50	029	n-Propane	
38	895	Oxygen	

ASTM D1946-90

30024465 Reformed Gas by Gas Chromatography

	Analyte Code	Analyte	
	3755	Carbon dioxide	
	3780	Carbon monoxide	
	4747	Ethane	
	4752	Ethene	
	1767	Helium	
	1772	Hydrogen	
	4926	Methane	
	1843	Nitrogen	
	3895	Oxygen	
ASTM D5504	08	30032258	Determination of Sulfur Compounds in Natural Gas and Gaseous

		Fuels by Gas Chromatography and Chemiluminescence
Analyte Code	Analyte	
4842	1-Propanethiol	
6113	2,5-Dimethylthiophene	
4544	2-Ethylthiophene	
4843	2-Propanethiol	
5783	3-Methylthiophene	
4450	Carbon disulfide	

ORELAP ID: CA300005 EPA CODE: CA00933 Certificate: CA300005 - 008

Eurofins Air Toxics, Inc

180 Blue Ravine Road, Ste. B Folsom CA 95630

Issue Date: 10/18/2015 *Expiration Date:* 10/17/2016

As of 10/18/2015 this list supercedes all previous lists for this certificate number. Customers. Please verify the current accreditation standing with ORELAP.

	Analyte Code	Analyte	
	7215	Carbonyl sulfide	
	6078	Diethyl Disulfide	
	6081	Diethyl Sulfide	
	4729	Dimethyl disulfide	
	6116	Dimethyl Sulfide	
	7506	Ethanethiol	
	3840	Hydrogen sulfide	
	3725	i-Butanethiol	
	7507	Methanethiol	
	9556	t-Butanethiol	
	9574	Tetrahydrothiophene	
	9578	Thiophene	
EPA 325B	2013	10277437	Sorbent Tubes Coupled with Thermal Desorption and GC/MS
	Analyte Code	Analyte	
	4375	Benzene	
	4765	Ethylbenzene	
	5240	m+p-xylene	
	5250	o-Xylene	
	5100	Styrene	
	5140	Toluene	
EPA TO-11	1A	10311805	Determination of Formaldehyde in Ambient Air Using Adsorbent
			Cartridge Followed by High Performance Liquid Chromatography
	Analyte Code	Analyte	(HPLC)
	4300	Acetaldehyde	
	4315	Acetone	
	5570	Benzaldehyde	
	4430	Butylaldehyde (Butanal)	
	4545	Crotonaldehyde	
	4815	Formaldehyde	
	3825	Hexanaldehyde (Hexanal)	
	6330	Isovaleraldehyde	
	5125	m-Tolualdehyde (1,3-Tolualdehyde	e)
	6755	o-Tolualdehyde (1,2-Tolualdehyde	
	3965	Propionaldehyde (Propanal)	
	6760	p-Tolualdehyde (1,4-Tolualdehyde	
	4040	Valeraldehyde (Pentanal, Pentana	ldehyde)
EPA TO-12	2	10248201	Non-Methane Organic Compounds by GC/FID

 Analyte Code
 Analyte

 3860
 Non-methane organics

EPA TO-13A

Polycyclic Aromatic Hydrocarbons in Ambient Air by GC/MS

Analyte Code	Analyte
5795	2-Chloronaphthalene
6385	2-Methylnaphthalene
5500	Acenaphthene
5505	Acenaphthylene
5555	Anthracene
5575	Benzo(a)anthracene
5580	Benzo(a)pyrene
5605	Benzo(e)pyrene
5590	Benzo(g,h,i)perylene
5600	Benzo(k)fluoranthene
5585	Benzo[b]fluoranthene
5855	Chrysene

10248405

ORELAP ID: CA300005 EPA CODE: CA00933 Certificate: CA300005 - 008

Eurofins Air Toxics, Inc

180 Blue Ravine Road, Ste. B Folsom CA 95630

Issue Date: 10/18/2015 *Expiration Date:* 10/17/2016

As of 10/18/2015 this list supercedes all previous lists for this certificate number. Customers. Please verify the current accreditation standing with ORELAP.

Analyte Code	Analyte
5895	Dibenz(a,h) anthracene
6265	Fluoranthene
6270	Fluorene
6315	Indeno(1,2,3-cd) pyrene
5005	Naphthalene
6615	Phenanthrene
6665	Pyrene

EPA TO-13A SIM

10248449

Analyte Code	Analyte	
5795	2-Chloronaphthalene	
6385	2-Methylnaphthalene	
5500	Acenaphthene	
5505	Acenaphthylene	
5555	Anthracene	
5575	Benzo(a)anthracene	
5580	Benzo(a)pyrene	
5605	Benzo(e)pyrene	
5590	Benzo(g,h,i)perylene	
5600	Benzo(k)fluoranthene	
5585	Benzo[b]fluoranthene	
5855	Chrysene	
5895	Dibenz(a,h) anthracene	
6265	Fluoranthene	
6270	Fluorene	
6315	Indeno(1,2,3-cd) pyrene	
6615	Phenanthrene	
6665	Pyrene	

EPA TO-14A

10248609

Volatile Organic Compounds with SUMMA canister and GC/MS

Polycyclic Aromatic Hydrocarbons in Ambient Air by GC/MS SIM

Analyte Code	Analyte
5160	1,1,1-Trichloroethane
5110	1,1,2,2-Tetrachloroethane
5195	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)
5165	1,1,2-Trichloroethane
4630	1,1-Dichloroethane
4640	1,1-Dichloroethylene
5155	1,2,4-Trichlorobenzene
5210	1,2,4-Trimethylbenzene
4585	1,2-Dibromoethane (EDB, Ethylene dibromide)
4695	1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon-114)
4610	1,2-Dichlorobenzene
4635	1,2-Dichloroethane (Ethylene dichloride)
4655	1,2-Dichloropropane
5215	1,3,5-Trimethylbenzene
4615	1,3-Dichlorobenzene
4620	1,4-Dichlorobenzene
4836	1-Propene
4860	2-Hexanone
4542	4-Ethyltoluene
4315	Acetone
4375	Benzene
5635	Benzyl chloride
4395	Bromodichloromethane
4455	Carbon tetrachloride
4475	Chlorobenzene
4575	Chlorodibromomethane
4485	Chloroethane (Ethyl chloride)
4505	Chloroform

ORELAP ID: CA300005 EPA CODE: CA00933 Certificate: CA300005 - 008

Eurofins Air Toxics, Inc

180 Blue Ravine Road, Ste. B Folsom CA 95630

Issue Date: 10/18/2015 *Expiration Date:* 10/17/2016

As of 10/18/2015 this list supercedes all previous lists for this certificate number. Customers. Please verify the current accreditation standing with ORELAP.

Analyte Code	Analyte
4705	cis & trans-1,2-Dichloroethene
4680	cis-1,3-Dichloropropene
4555	Cyclohexane
4625	Dichlorodifluoromethane (Freon-12)
4750	Ethanol
4765	Ethylbenzene
4835	Hexachlorobutadiene
4895	Isopropyl alcohol (2-Propanol, Isopropanol)
4950	Methyl bromide (Bromomethane)
4960	Methyl chloride (Chloromethane)
4975	Methylene chloride (Dichloromethane)
5005	Naphthalene
4825	n-Heptane
4855	n-Hexane
5090	n-Propylbenzene
5100	Styrene
5115	Tetrachloroethylene (Perc <mark>hlo</mark> roethylene)
5120	Tetrahydrofuran (THF)
5140	Toluene
4685	trans-1,3-Dichloropropylene
5170	Trichloroethene (Trichloroethylene)
5175	Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)
5235	Vinyl chloride
5260	Xylene (total)

EPA TO-15

10248803

VOCs collected in Canisters by GC/MS

Analyte Code	Analyte
5160	1,1,1-Trichloroethane
5110	1,1,2,2-Tetrachloroethane
5195	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)
5165	1,1,2-Trichloroethane
4630	1,1-Dichloroethane
4640	1,1-Dichloroethylene
5182	1,2,3-Trimethylbenzene
5155	1,2,4-Trichlorobenzene
5210	1,2,4-Trimethylbenzene
4585	1,2-Dibromoethane (EDB, Ethylene dibromide)
4695	1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon-114)
4610	1,2-Dichlorobenzene
4635	1,2-Dichloroethane (Ethylene dichloride)
4655	1,2-Dichloropropane
5215	1,3,5-Trimethylbenzene
9318	1,3-Butadiene
4615	1,3-Dichlorobenzene
4676	1,3-Diethylbenzene
4620	1,4-Dichlorobenzene
4735	1,4-Dioxane (1,4- Diethyleneoxide)
4917	1-Butene
4833	1-Pentene
4836	1-Propene
5220	2,2,4-Trimethylpentane
4666	2,2-Dimethylbutane
4667	2,3,4-Trimethylpentane
4669	2,3-Dimethylbutane
4671	2,3-Dimethylpentane
4672	2,4-Dimethylpentane
4410	2-Butanone (Methyl ethyl ketone, MEK)
4538	2-Ethyltoluene
4860	2-Hexanone
4934	2-Methyl-2-Butene

 ORELAP ID:
 CA300005

 EPA CODE:
 CA00933

 Certificate:
 CA300005 - 008

Eurofins Air Toxics, Inc

180 Blue Ravine Road, Ste. B Folsom CA 95630

Issue Date: 10/18/2015 *Expiration Date:* 10/17/2016

As of 10/18/2015 this list supercedes all previous lists for this certificate number. Customers. Please verify the current accreditation standing with ORELAP.

Analyte Code	Analyte
4937	2-Methylbutadiene (Isoprene)
4938	2-Methylbutane (Isopentane)
4939	2-Methylheptane
4946	2-Methylhexane
4941	2-Methylpentane (Isohexane)
4942	2-methylpropane (Isobutane)
4531	3-Ethyltoluene
4529	3-Methyl-1-Butene
4532	3-Methylheptane
4533	3-Methylhexane
4534	3-Methylpentane
4542	4-Ethyltoluene
4913	4-Methyl-1-Pentene
4995	4-Methyl-2-pentanone (MIBK)
4300	Acetaldehyde
4315	Acetone
4320	Acetonitrile
4323	Acetylene
4325	Acrolein (Propenal)
4 340	Acrylonitrile
4355	Allyl chloride (3-Chloropropene)
4375	Benzene
5635	Benzyl chloride
4390	Bromochloromethane
4395	Bromodichloromethane
4400	Bromotorm
4450	Carbon disulfide
4455	Carbon tetrachloride
4475	
4575	Chlorodibromomethane
4485	Chloroethane (Ethyl chloride)
4505	Chlorotorm Chlorotorm
4323	chioroprene (2-Chioro-1,3-butadiene)
4705	cis 1 3 Dichloropropopo
4602	cis-2-Butene
4603	cis-2-pentene
4555	Cyclohexane
4562	
4563	Cyclopentene
4625	Dichlorodifluoromethane (Freon-12)
4627	Dichlorofluoromethane (Freon 21)
4747	Ethane
4750	Ethanol
4752	Ethene
4765	Ethylbenzene
4835	Hexachlorobutadiene
4895	Isopropyl alcohol (2-Propanol, Isopropanol)
4900	Isopropylbenzene
5240	m+p-xylene
4930	Methanol
4950	Methyl bromide (Bromomethane)
4960	Methyl chloride (Chloromethane)
5000	Methyl tert-butyl ether (MTBE)
4965	Methylcyclohexane
4966	Methylcyclopentane
4975	Methylene chloride (Dichloromethane)
5005	Naphthalene
5007	n-Butane
5875	n-Decane
4825	n-Heptane

ORELAP ID: CA300005 **EPA CODE:** CA00933 Certificate: CA300005 - 008

Eurofins Air Toxics, Inc

180 Blue Ravine Road, Ste. B CA 95630 Folsom

Issue Date: 10/18/2015 Expiration Date: 10/17/2016

As of 10/18/2015 this list supercedes all previous lists for this certificate number. Customers. Please verify the current accreditation standing with ORELAP.

Analyte Code	Analyte
4855	n-Hexane
5026	n-Nonane
5027	n-Octane
5028	n-Pentane
5029	n-Propane
5090	n-Propylbenzene
6747	n-Undecane
5250	o-Xylene
5253	p-Diethylbenzene
5100	Styrene
5115	Tetrachloroethylene (Perchloroethylene)
5120	Tetrahydrofuran (THF)
5140	Toluene
4685	trans-1,3-Dichloropropylene
4607	trans-2-Butene
4606	trans-2-Hexene
4608	trans-2-pentene
5170	Trichloroethene (Trichloroethylene)
5175	Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)
5225	Vinyl acetate
5230	Vinyl bromide (Bromoethane)
5235	Vinyl chloride
5260	Xylene (total)

EPA TO-15 GC/MS SIM

10248858 VOCs collected in Canisters by GC/MS SIM

	Analyte Code	Analyte
	5160	1,1,1-Trichloroethane
	5110	1,1,2,2-Tetrachloroethane
	<mark>51</mark> 65	1,1,2-Trichloroethane
	4630	1,1-Dichloroethane
	4640	1,1-Dichloroethylene
	4585	1,2-Dibromoethane (EDB, Ethylene dibromide)
	4695	1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon-114)
	4635	1,2-Dichloroethane (Ethylene dichloride)
	4620	1,4-Dichlorobenzene
	4375	Benzene
	4455	Carbon tetrachloride
	4485	Chloroethane (Ethyl chloride)
	4505	Chloroform
	4645	cis-1,2-Dichloroethylene
	4625	Dichlorodifluoromethane (Freon-12)
	4765	Ethylbenzene
	5240	m+p-xylene
	4960	Methyl chloride (Chloromethane)
	5000	Methyl tert-butyl ether (MTBE)
	5005	Naphthalene
	5250	o-Xylene
	5115	Tetrachloroethylene (Perchloroethylene)
	5140	Toluene
	4700	trans-1,2-Dichloroethylene
	5170	Trichloroethene (Trichloroethylene)
	5235	Vinyl chloride
A TO-17		10312206 Determination of Volatile Organic Compounds in Ambient Air Using

EP.

Active Sampling Onto Sorbent Tubes

Analyte Code	Analyte
5160	1,1,1-Trichloroethane
5110	1,1,2,2-Tetrachloroethane
5195	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)
5165	1,1,2-Trichloroethane

ORELAP ID: CA300005 **EPA CODE:** CA00933 Certificate: CA300005 - 008

Eurofins Air Toxics, Inc

180 Blue Ravine Road, Ste. B Folsom CA 95630

10/18/2015 Issue Date: Expiration Date: 10/17/2016

As of 10/18/2015 this list supercedes all previous lists for this certificate number. Customers. Please verify the current accreditation standing with ORELAP.

Analyte Code	Analyte
4630	1,1-Dichloroethane
4640	1,1-Dichloroethylene
5155	1,2,4-Trichlorobenzene
5210	1,2,4-Trimethylbenzene
4695	1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon-114)
4610	1,2-Dichlorobenzene
4635	1,2-Dichloroethane (Ethylene dichloride)
4655	1,2-Dichloropropane
5215	1,3,5-Trimethylbenzene
9318	1,3-Butadiene
4615	1,3-Dichlorobenzene
4620	1,4-Dichlorobenzene
4735	1,4-Dioxane (1,4- Diethyleneoxide)
6380	1-Methylnaphthalene
5220	2,2,4-Trimethylpentane
4410	2-Butanone (Methyl ethyl ketone, MEK)
4860	2-Hexanone (MBK)
4938	2-Methylbutane (Isopentane)
<mark>6</mark> 385	2-Methylnaphthalene
4542	4-Ethyltoluene
5500	Acenaphthene
5505	Acenaphthylene
5555	Anthracene
4375	Benzene
4450	Carbon disulfide
4455	Carbon tetrachloride
4475	Chlorobenzene
4485	Chloroethane (Ethyl chloride)
4505	Chloroform
4645	cis-1,2-Dichloroethylene
4555	Cyclonexane
4765	Ethylbenzene
6265	Fluoranthene
6270	- Fluorene
4835	Hexachiorobutadiene
4895	Isopropyl alconol (2-Propanol, Isopropanol)
4900	rstopropyidenzene metere
5240	Methods but detter (MTRE)
5000	
4905	Methylogo choride (Dichloromethane)
4975	
4825	
4855	
5090	n-Providenzene
5250	o-Xivlene
6615	Phenanthrene
6665	Pyrene
5100	Styrene
5115	Tetrachloroethylene (Perchloroethylene)
5140	Toluene
4700	trans-1.2-Dichloroethylene
5170	Trichloroethene (Trichloroethylene)
5175	Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)
5235	Vinyl chloride
5260	Xylene (total)
O-17 Modified 2	10312217 Hydrocarbons in Ambient Air Using WMS Passive Sampling Tub

EPA TO-

bes g

Analyte Code	Analyte
5160	1,1,1-Trichloroethane

 ORELAP ID:
 CA300005

 EPA CODE:
 CA00933

 Certificate:
 CA300005 - 008

Eurofins Air Toxics, Inc

180 Blue Ravine Road, Ste. B Folsom CA 95630

Issue Date: 10/18/2015 *Expiration Date:* 10/17/2016

As of 10/18/2015 this list supercedes all previous lists for this certificate number. Customers. Please verify the current accreditation standing with ORELAP.

Analyte Code	Analyte
5110	1,1,2,2-Tetrachloroethane
5165	1,1,2-Trichloroethane
4630	1,1-Dichloroethane
4640	1,1-Dichloroethylene
5150	1,2,3-Trichlorobenzene
5155	1,2,4-Trichlorobenzene
5210	1,2,4-Trimethylbenzene
4610	1,2-Dichlorobenzene
4635	1,2-Dichloroethane (Ethylene dichloride)
5215	1,3,5-Trimethylbenzene
4615	1,3-Dichlorobenzene
4620	1,4-Dichlorobenzene
9546	1,4-Dithiane
4410	2-Butanone (Methyl ethyl ketone, MEK)
4995	4-Methyl-2-pentanone (MIBK)
4315	Acetone
6698	alpha-Pinene
4375	Benzene
4 455	Carbon tetrachloride
4475	Chlorobenzene
4505	Chloroform
4645	cis-1,2-Dichloroethylene
4555	Cyclohexane
6208	d-Limonene
4750	Ethanol
4755	Ethyl acetate
4765	Ethylbenzene
6774	Halothane (2-Bromo-2-chloro-1,1,1-trifluoroethane)
5240	m+p-xylene
<mark>496</mark> 0	Methyl chloride (Chloromethane)
4990	Methyl methacrylate
5000	Methyl tert-butyl ether (MTBE)
5005	Naphthalene
4825	n-Heptane
4855	n-Hexane
5090	n-Propylbenzene
5250	o-Xylene
5100	Styrene
5115	letrachloroethylene (Perchloroethylene)
5140	Ioluene
4700	trans-1,2-Dichloroethylene
5170	I richloroethene (I richloroethylene)
5235	vinyi chionae

EPA TO-3

10249000 Cryogenic Trapping

Analyte Code	Analyte
4375	Benzene
4765	Ethylbenzene
5140	Toluene
5260	Xylene (total)

Modified EPA TO-17 Passive RAD130 Tube 2 60032351

The Determination of Hydrocarbons in Air Via RAD130 RADIELLO Passive Sample Tubes

Analyte Code	Analyte	
5160	1,1,1-Trichloroethane	
5110	1,1,2,2-Tetrachloroethane	
5165	1,1,2-Trichloroethane	
4630	1,1-Dichloroethane	
4640	1,1-Dichloroethylene	
5210	1,2,4-Trimethylbenzene	

ORELAP ID: CA300005 EPA CODE: CA00933 Certificate: CA300005 - 008

Eurofins Air Toxics, Inc

180 Blue Ravine Road, Ste. B Folsom CA 95630

Issue Date: 10/18/2015 *Expiration Date:* 10/17/2016

As of 10/18/2015 this list supercedes all previous lists for this certificate number. Customers. Please verify the current accreditation standing with ORELAP.

Analyte Code	Analyte
4610	1,2-Dichlorobenzene
4635	1,2-Dichloroethane (Ethylene dichloride)
5215	1,3,5-Trimethylbenzene
4615	1,3-Dichlorobenzene
4620	1,4-Dichlorobenzene
4410	2-Butanone (Methyl ethyl ketone, MEK)
4995	4-Methyl-2-pentanone (MIBK)
4315	Acetone
4375	Benzene
4455	Carbon tetrachloride
4475	Chlorobenzene
4505	Chloroform
4645	cis-1,2-Dichloroethylene
4555	Cyclohexane
4750	Ethanol
4755	Ethyl acetate
4765	Ethylbenzene
4895	Isopropyl alcohol (2-Propanol, Isopropanol)
5240	m+p-xylene
4960	Methyl chloride (Chloromethane)
5000	Methyl tert-butyl ether (MTBE)
5005	Naphthalene
4825	n-Heptane
4855	n-Hexane
5090	n-Propylbenzene
5250	o-Xylene
5100	Styrene
5115	Tetrachloroethylene (Perchloroethylene)
5140	Toluene
4700	trans-1,2-Dichloroethylene
5170	Trichloroethene (Trichloroethylene)
5235	Vinyl chloride
	SA STITATION CON