



A Waters Company

**Denise MacDuff**  
**SGS Galson Laboratories**  
**6601 Kirkville Road**  
**East Syracuse, NY 13057**  
**USA**



# Air and Emissions Proficiency Testing

**Air and Emissions Study**

**Open Date: 10/23/20**

**Close Date: 12/07/20**

**Report Issued Date: 12/09/20**



A Waters Company

December 9, 2020

Denise MacDuff  
SGS Galson Laboratories  
6601 Kirkville Road  
East Syracuse, NY 13057

Enclosed is your final report for ERA's AE-54 Air and Emissions Proficiency Testing (PT) study. Your final report includes an evaluation of all results submitted by your laboratory to ERA.

All analytes in ERA's AE-54 Air and Emissions Proficiency Testing (PT) study have been evaluated using the following tiered approach: Where appropriate, ERA has based the acceptance criteria on the study means and study standard deviations. If the analyte is listed in the most current Stationary Source Audit Sample (SSAS) table the evaluation was completed by comparing the reported result to the acceptance limits generated using the criteria contained in the table and the evaluation criteria contained in the 2016 TNI Standard, Volume 3. If the analyte is not included in the Stationary Source Audit Sample (SSAS) table, the reported result has been evaluated using the procedures outlined in ERA's Standard Operating Procedure for the Generation of Performance Acceptance Limits (SOP 730002268).

Corrective Action Help: As part of your accreditation(s), you may be required to identify the root cause of any "Not Acceptable" results, implement the necessary corrective actions, and then satisfy your PT requirements by participating in a Supplemental (QuiK™ Response) or future ERA PT study. ERA's technical staff is available to help your laboratory resolve any technical issues that may be impairing your PT performance and possibly affecting your routine data quality. Our laboratory and technical staff have many years of collective experience in performing the full range of environmental analyses. As part of our technical support, ERA offers QC samples that can be useful in helping you work through your technical issues.

Thank you for your participation in ERA's AE-54 Air and Emissions Proficiency Testing (PT) study. If you have any questions, please contact our Proficiency Testing Department at 1-800-372-0122.

Sincerely,

A handwritten signature in black ink, appearing to read "Matthew Seebeck", written in a cursive style.

Matthew Seebeck  
Quality Officer

attachments



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Report Recipient	Contact/Phone Number	Reporting Type
No Recipients Selected		



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# AE-54 Definitions & Study Discussion

Study Dates: 10/23/20 - 12/07/20

Report Issued: 12/09/20

## AE Study Definitions

The Reported Value is the value that the laboratory reported to ERA.

The Assigned Values for ERA's Air and Emissions Proficiency Testing (PT) Standards are equal to 100% of the parameter present in the standard as determined by gravimetric and/or volumetric measurements made during standard preparation as applicable. The assigned values are directly traceable to the commercially prepared starting materials used to manufacture the PT standards.

The Acceptance Limits are established per the criteria contained in the most current Stationary Source Audit Sample (SSAS) Table or ERA's SOP for the Generation of Performance Acceptance Limits™ as applicable. This report is scored by the criteria in the 2016 TNI Standard, Volume 3, instead of by the criteria in the 2009 TNI Standard to which the Proficiency Testing Provider is accredited. This is a planned change and is endorsed by the TNI Proficiency Testing Program Executive Committee for transition to the 2016 TNI Standard.

The Performance Evaluation:

- Acceptable = Reported Value falls within the Acceptance Limits.
- Not Acceptable = Reported Value falls outside the Acceptance Limits.
- No Evaluation = Reported Value cannot be evaluated.
- Not Reported = No Value reported.

The Method Description is the method the laboratory reported to ERA.

## AE Study Discussion

ERA's AE-54 Air and Emissions Proficiency Testing study has been reviewed by ERA senior management and certified compliant with the requirements of the 2009 TNI PT Standard and the criteria contained in the most current Stationary Source Audit Sample (SSAS) table.

ERA's AE-54 Air and Emissions study standards were examined for any anomalies. A full review of all homogeneity, stability and accuracy verification data was completed. All analytical verification data for all analytes met the acceptance criteria contained in the 2009 TNI PT Standard.

All activities associated with this proficiency testing study were performed by Waters/ERA with the exception of those noted below. The following physical samples/products were manufactured for Waters/ERA by a subcontractor:

Volatiles in Gas Cylinder: catalog number 1000

The data submitted by participating laboratories was also examined for study anomalies. There were no anomalies observed during the statistical review of the data.

ERA's AE-54 Air and Emissions study reports shall not be reproduced except in their entirety and not without the permission of the participating laboratories. The report must not be used by the participating laboratories to claim product endorsement by any agency of the U. S. government.

The data contained herein are confidential and intended for your use only.

If you have any questions or concerns regarding your assessment in ERA's Air and Emissions Proficiency Testing program, please contact our Proficiency Testing Department at 1-800-372-0122.





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# AE-54 Laboratory Exception Report

**Denise MacDuff**  
**QA Manager**  
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**6601 Kirkville Road**  
**East Syracuse, NY 13057**  
**(315) 671-3933**

<b>EPA ID:</b>	<b>NY00056</b>
<b>ERA Customer Number:</b>	<b>G052601</b>
<b>Report Issued:</b>	<b>12/09/20</b>
<b>Study Dates:</b>	<b>10/23/20 - 12/07/20</b>

## Not Acceptable Evaluations

There were no Not Acceptable evaluations for this study.





# Final Report Results For Laboratory SGS Galson Laboratories





## Final Evaluation Report

Study: **AE-54**

ERA Customer Number: **G052601**

Laboratory Name: **SGS Galson  
Laboratories**

### Inorganic Results





# AE-54 Final Evaluation Report

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**Denise MacDuff**  
**QA Manager**  
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**(315) 671-3933**

**EPA ID:** NY00056  
**ERA Customer Number:** G052601  
**Report Issued:** 12/09/20  
**Study Dates:** 10/23/20 - 12/07/20

TNI Analyte Code	Analyte	Units	Reported Value	Assigned Value	Acceptance Limits	Performance Evaluation	Method Description	Analysis Date	Z Score	Study Mean	Study Standard Deviation	Analyst Name
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**AE Hexavalent Chromium in Impinger Solution (cat# 1032, lot# E054-1132)**

1045	Hexavalent Chromium	µg/L	813	798	703 - 878	Acceptable	mod. NOSH 7600	11/3/2020	0.366	787	70.1	
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# CERTIFICATE OF EXCELLENCE

In recognition of the quality of your laboratory in proficiency testing for

AE-54

SGS Galson Laboratories

is issued this certificate of achievement by ERA. This laboratory has been recognized as a Laboratory of Excellence for achieving 100% acceptable data in this study which included 125 participating laboratories. This achievement is a demonstration of the superior quality of the laboratory in evaluation of the standards listed below.

Hexavalent Chromium in  
Impinger Solution



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Matthew Seebeck  
Quality Officer