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March 13, 2025

Ms. Denise MacDuff
SGS - Galson Laboratories
6601 Kirkville Road
East Syracuse, NY 13057
USA

Dear Denise,

Thank you for participating in the AE0125 Air & Emissions Proficiency Testing Study. Enclosed is your final report, which has been carefully reviewed by the PT specialists at Phenova. This report presents some additional sections and features which will give you more information on the study data for the standards that were reported by your laboratory and more information regarding the overall performance of your laboratory in relation to other study participants.

The enclosed report is in two sections, the "Evaluation Report" and the "Statistical Report". The "Evaluation Report" contains the evaluation of your reported data as well the reported method, analysis date and analyst. The "Evaluation Report" is an updated and enhanced version of the reports you previously received at the conclusion of our PT studies. The "Statistical Report" contains your passing percentage as well as statistics from the study for the analytes reported by your laboratory.

For any analyte falling outside the established acceptance limits, our PT management staff would like to assist you in determining the most appropriate course of corrective action for your facility. Please contact us at any time if we may be of service to you.

Thank you again for participating in the AE0125 Air & Emissions Proficiency Testing Study. We appreciate working with you and look forward to our next study. If you have any questions, please call us at 866-942-2978.



Report Definitions:

Assigned Value

The Assigned Value is determined from the study mean, gravimetric and volumetric true concentration of an analyte to be analyzed, calculation and/or an appropriate reference value as stipulated in the EPA National Standards for Water Proficiency Testing Studies Criteria Document (current version), the NELAC Institute (TNI) criteria (ref: TNI FOPT tables, TNI PT Committee) and other documents distributed by accrediting agencies as applicable.

Evaluation Limits

Acceptance Limits are derived from fixed limits, coefficients, constants and calculations stipulated in the EPA National Standards for Water Proficiency Testing Studies Criteria Documents (current version), the NELAC Institute (TNI) criteria (ref: TNI FOPT tables, TNI PT Committee) and other documents

Evaluation

Acceptable

The reported value falls within the Acceptance Limits.

Not Acceptable

The reported value falls outside the Acceptance Limits.

No Evaluation

The reported value is non-numeric and can not be evaluated.

NR

As required by the TNI standards and requested by state authorities, any analyte purchased but not reported by your facility is listed as NR (Not Reported).

Study Mean and Standard Deviation

The mean and standard deviation are calculated from the study data using robust statistical calculations when possible. Other statistical calculations may be used if robust statistical calculations are not possible. The displayed values are independent of any statistical calculations required for the

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State Regulatory Agency Request(s):

Phenova has been authorized to send a copy of your AE0125 final results to the following state agencies:

LA

Other Regulatory Agency Request(s):

No requests were made to send a copy of your AE0125 final results to an agency.

Third Party Request(s):

No requests were made to send a copy of your AE0125 final results to a third party.

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Final Report - Air & Emissions Proficiency Testing

Study: AE0125

Opening Date: January 21, 2025 - Closing Date: March 6, 2025

Laboratory: SGS - Galson Laboratories
6601 Kirkville Road
East Syracuse, NY 13057
USA

Contact: Ms. Denise MacDuff, QA Manager
888-432-5227

EPA Lab ID: NY00056

Chromium VI on Filter Paper (PT-CR6-AIR)										Lot #: 1084-05
NELAC Code	Analyte	Analysis Date	Analyst	Method Code	Method Description	Units	Assigned Value	Result	Acceptance Limits	Evaluation
1045	Chromium VI	1/28/2025	PH	mod. NIOSH 7600	mod. NIOSH 7600	µg/filter	40.0	32.2	32.0 - 48.0	Acceptable
Major Ions on Air Filters (PT-AN-AIR)										Lot #: 1084-41
NELAC Code	Analyte	Analysis Date	Analyst	Method Code	Method Description	Units	Assigned Value	Result	Acceptance Limits	Evaluation
Additional State Specific Analytes										
1575	Chloride	2/14/2025	TMK		mod. OSHA ID-165SG	µg/HVF	511	491	358 - 664	Acceptable
1730	Fluoride	2/14/2025	TMK		mod. OSHA ID-165SG	µg/HVF	14.6	12.1	10.2 - 19.0	Acceptable
1810	Nitrate as N	2/14/2025	TMK		mod. OSHA ID-165SG	µg/HVF	83.2	76.6	58.2 - 108	Acceptable
2000	Sulfate	2/14/2025	TMK		mod. OSHA ID-165SG	µg/HVF	2000	1863	1400 - 2600	Acceptable

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VOCs in Summa Canister (PT-VOAS-AIR)										Lot #: 1084-23
NELAC Code	Analyte	Analysis Date	Analyst	Method Code	Method Description	Units	Assigned Value	Result	Acceptance Limits	Evaluation
4315	Acetone	2/6/2025	CH		TO-15	ppbv	<5	<5		Acceptable
4320	Acetonitrile	2/6/2025	CH		TO-15	ppbv	<5	<5		Acceptable
4323	Acetylene					ppbv	<5			NR
4325	Acrolein (Propenal)	2/6/2025	CH		TO-15	ppbv	<5	<5		Acceptable
4340	Acrylonitrile	2/6/2025	CH		TO-15	ppbv	<5	<5		Acceptable
4375	Benzene	2/6/2025	CH		TO-15	ppbv	8.00	7.69	3.20 - 12.8	Acceptable
4390	Bromochloromethane					ppbv	<5			NR
4395	Bromodichloromethane	2/6/2025	CH		TO-15	ppbv	<5	<5		Acceptable
4400	Bromoform	2/6/2025	CH		TO-15	ppbv	<5	<5		Acceptable
4950	Bromomethane	2/6/2025	CH		TO-15	ppbv	<5	<5		Acceptable
9318	1,3-Butadiene	2/6/2025	CH		TO-15	ppbv	<5	<5		Acceptable
4410	2-Butanone (Methyl ethyl ketone, MEK)	2/6/2025	CH		TO-15	ppbv	<5	<5		Acceptable
4450	Carbon disulfide	2/6/2025	CH		TO-15	ppbv	<5	<5		Acceptable
4455	Carbon tetrachloride	2/6/2025	CH		TO-15	ppbv	<5	<5		Acceptable
4475	Chlorobenzene	2/6/2025	CH		TO-15	ppbv	<5	<5		Acceptable
4485	Chloroethane	2/6/2025	CH		TO-15	ppbv	<5	<5		Acceptable
4505	Chloroform	2/6/2025	CH		TO-15	ppbv	53.0	56.2	21.2 - 84.8	Acceptable
4960	Chloromethane	2/6/2025	CH		TO-15	ppbv	<5	<5		Acceptable
5635	Chloromethylbenzene					ppbv	<5			NR
4525	Chloroprene					ppbv	<5			NR
4555	Cyclohexane	2/6/2025	CH		TO-15	ppbv	<5	<5		Acceptable
4585	1,2-Dibromoethane (EDB, Ethylene dibromide)	2/6/2025	CH		TO-15	ppbv	<5	<5		Acceptable
4575	Dibromochloromethane	2/6/2025	CH		TO-15	ppbv	<5	<5		Acceptable
4625	Dichlorodifluoromethane	2/6/2025	CH		TO-15	ppbv	<5	<5		Acceptable
4610	1,2 Dichlorobenzene	2/6/2025	CH		TO-15	ppbv	<5	<5		Acceptable
4615	1,3 Dichlorobenzene	2/6/2025	CH		TO-15	ppbv	23.0	20.1	9.20 - 36.8	Acceptable
4620	1,4 Dichlorobenzene	2/6/2025	CH		TO-15	ppbv	41.0	37.8	16.4 - 65.6	Acceptable
4630	1,1-Dichloroethane	2/6/2025	CH		TO-15	ppbv	28.0	27.3	11.2 - 44.8	Acceptable

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EPA Lab ID: NY00056

VOCs in Summa Canister (PT-VOAS-AIR) cont'd										Lot #: 1084-23
NELAC Code	Analyte	Analysis Date	Analyst	Method Code	Method Description	Units	Assigned Value	Result	Acceptance Limits	Evaluation
4635	1,2-Dichloroethane	2/6/2025	CH		TO-15	ppbv	40.0	41.9	16.0 - 64.0	Acceptable
4640	1,1-Dichloroethene	2/6/2025	CH		TO-15	ppbv	<5	<5		Acceptable
4645	cis-1,2-Dichloroethene	2/6/2025	CH		TO-15	ppbv	36.0	36.9	14.4 - 57.6	Acceptable
4700	trans-1,2-Dichloroethene	2/6/2025	CH		TO-15	ppbv	19.0	18.7	7.60 - 30.4	Acceptable
4655	1,2-Dichloropropane	2/6/2025	CH		TO-15	ppbv	33.0	34.3	13.2 - 52.8	Acceptable
4680	cis-1,3-Dichloropropene	2/6/2025	CH		TO-15	ppbv	<5	<5		Acceptable
4685	trans-1,3-Dichloropropene	2/6/2025	CH		TO-15	ppbv	<5	<5		Acceptable
4695	1,2-Dichloro-1,1,2,2-tetrafluoroethane	2/6/2025	CH		TO-15	ppbv	<5	<5		Acceptable
4755	Ethyl acetate	2/6/2025	CH		TO-15	ppbv	<5	<5		Acceptable
4760	Ethyl acrylate					ppbv	<5			NR
4765	Ethylbenzene	2/6/2025	CH		TO-15	ppbv	31.0	28	12.4 - 49.6	Acceptable
4770	Ethyl-t-butylether (ETBE)					ppbv	<5			NR
4542	4-Ethyltoluene	2/6/2025	CH		TO-15	ppbv	<5	<5		Acceptable
4825	n-Heptane	2/6/2025	CH		TO-15	ppbv	<5	<5		Acceptable
4835	Hexachlorobutadiene	2/6/2025	CH		TO-15	ppbv	<5	<5		Acceptable
4855	Hexane	2/6/2025	CH		TO-15	ppbv	<5	<5		Acceptable
4895	Isopropanol	2/6/2025	CH		TO-15	ppbv	<5	<5		Acceptable
5000	Methyl tert-butyl ether (MTBE)	2/6/2025	CH		TO-15	ppbv	<5	<5		Acceptable
4975	Methylene chloride	2/6/2025	CH		TO-15	ppbv	<5	<5		Acceptable
4995	Methyl isobutyl ketone (Hexone)	2/6/2025	CH		TO-15	ppbv	<5	<5		Acceptable
4990	Methyl methacrylate	2/6/2025	CH		TO-15	ppbv	<5	<5		Acceptable
5027	n-Octane					ppbv	<5			NR
4836	Propylene	2/6/2025	CH		TO-15	ppbv	<5	<5		Acceptable
5100	Styrene	2/6/2025	CH		TO-15	ppbv	<5	<5		Acceptable
4370	T-amylmethylether (TAME)					ppbv	<5			NR
5115	Tetrachloroethene	2/6/2025	CH		TO-15	ppbv	41.0	42.7	16.4 - 65.6	Acceptable
5155	1,2,4-Trichlorobenzene	2/6/2025	CH		TO-15	ppbv	<5	<5		Acceptable
5160	1,1,1-Trichloroethane	2/6/2025	CH		TO-15	ppbv	<5	<5		Acceptable
5165	1,1,2-Trichloroethane	2/6/2025	CH		TO-15	ppbv	29.0	26.9	11.6 - 46.4	Acceptable

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Contact: Ms. Denise MacDuff, QA Manager
888-432-5227

EPA Lab ID: NY00056

VOCs in Summa Canister (PT-VOAS-AIR) cont'd										Lot #: 1084-23
NELAC Code	Analyte	Analysis Date	Analyst	Method Code	Method Description	Units	Assigned Value	Result	Acceptance Limits	Evaluation
5110	1,1,2,2-Tetrachloroethane	2/6/2025	CH		TO-15	ppbv	20.0	17.4	8.00 - 32.0	Acceptable
5170	Trichloroethene	2/6/2025	CH		TO-15	ppbv	<5	<5		Acceptable
5175	Trichlorofluoromethane	2/6/2025	CH		TO-15	ppbv	<5	<5		Acceptable
5185	1,1,2-Trichloro-1,2,2-trifluoroethane	2/6/2025	CH		TO-15	ppbv	<5	<5		Acceptable
5210	1,2,4-Trimethylbenzene	2/6/2025	CH		TO-15	ppbv	39.0	38.1	15.6 - 62.4	Acceptable
5215	1,3,5-Trimethylbenzene	2/6/2025	CH		TO-15	ppbv	62.0	60.7	24.8 - 99.2	Acceptable
5140	Toluene	2/6/2025	CH		TO-15	ppbv	23.0	21.8	9.20 - 36.8	Acceptable
5230	Vinyl bromide	2/6/2025	CH		TO-15	ppbv	<5	<5		Acceptable
5235	Vinyl chloride	2/6/2025	CH		TO-15	ppbv	<5	<5		Acceptable
5240	m+p-Xylene	2/6/2025	CH		TO-15	ppbv	59.0	51.2	23.6 - 94.4	Acceptable
5250	o-Xylene	2/6/2025	CH		TO-15	ppbv	13.0	12.8	5.20 - 20.8	Acceptable
5260	Xylenes, total	2/6/2025	CH		TO-15	ppbv	72.0	63.9	28.8 - 115	Acceptable



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PT Study Score Report

EPA ID: NY00056
 Laboratory: SGS - Galson Laboratories
 6601 Kirkville Road
 East Syracuse, NY 13057
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Study Number	Number of Reported Results	Number of Passing Results	Percent Passing
AE0125	66	66	100%

Report Definitions:

- Number of Reported Results** The number of results reported which could be evaluated. Results receiving an evaluation of "NR" or "No Evaluation" are not included.
- Number of Passing Results** The number of results reported receiving an evaluation of "Acceptable" or "Check for Error".
- Percent Passing** The percentage of results reported receiving an evaluation of "Acceptable" or "Check for Error".

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Statistical Summary Report - Air & Emissions Proficiency Testing

Opening Date: January 21, 2025 - Closing Date: March 6, 2025

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USA

Contact: Ms. Denise MacDuff, QA Manager
888-432-5227

EPA Lab ID: NY00056

Chromium VI on Filter Paper (PT-CR6-AIR) Lot #: 1084-05						
NELAC Code	Analyte	Units	Study Mean	Study Standard Deviation	Low Acceptance Limit %	High Acceptance Limit %
1045	Chromium VI	µg/filter	37.1	3.66	80.0	120
Major Ions on Air Filters (PT-AN-AIR) Lot #: 1084-41						
NELAC Code	Analyte	Units	Study Mean	Study Standard Deviation	Low Acceptance Limit %	High Acceptance Limit %
Additional State Specific Analytes						
1575	Chloride	µg/HVF	505	25.2	70.1	130
1730	Fluoride	µg/HVF	13.5	2.14	69.9	130
1810	Nitrate as N	µg/HVF	79.2	4.14	70.0	130
2000	Sulfate	µg/HVF	2030	120	70.0	130
VOCs in Summa Canister (PT-VOAS-AIR) Lot #: 1084-23						
NELAC Code	Analyte	Units	Study Mean	Study Standard Deviation	Low Acceptance Limit %	High Acceptance Limit %
4315	Acetone	ppbv	N/A	N/A	N/A	N/A
4320	Acetonitrile	ppbv	N/A	N/A	N/A	N/A
4323	Acetylene	ppbv	N/A	N/A	N/A	N/A
4325	Acrolein (Propenal)	ppbv	N/A	N/A	N/A	N/A
4340	Acrylonitrile	ppbv	N/A	N/A	N/A	N/A
4375	Benzene	ppbv	8.23	0.811	40.0	160
4390	Bromochloromethane	ppbv	N/A	N/A	N/A	N/A
4395	Bromodichloromethane	ppbv	N/A	N/A	N/A	N/A
4400	Bromoform	ppbv	N/A	N/A	N/A	N/A
4950	Bromomethane	ppbv	N/A	N/A	N/A	N/A
9318	1,3-Butadiene	ppbv	N/A	N/A	N/A	N/A
4410	2-Butanone (Methyl ethyl ketone, MEK)	ppbv	N/A	N/A	N/A	N/A
4450	Carbon disulfide	ppbv	N/A	N/A	N/A	N/A
4455	Carbon tetrachloride	ppbv	N/A	N/A	N/A	N/A
4475	Chlorobenzene	ppbv	N/A	N/A	N/A	N/A
4485	Chloroethane	ppbv	N/A	N/A	N/A	N/A
4505	Chloroform	ppbv	58.5	5.41	40.0	160
4960	Chloromethane	ppbv	N/A	N/A	N/A	N/A
5635	Chloromethylbenzene	ppbv	N/A	N/A	N/A	N/A
4525	Chloroprene	ppbv	N/A	N/A	N/A	N/A
4555	Cyclohexane	ppbv	N/A	N/A	N/A	N/A
4585	1,2-Dibromoethane (EDB, Ethylene dibromide)	ppbv	N/A	N/A	N/A	N/A
4575	Dibromochloromethane	ppbv	N/A	N/A	N/A	N/A
4625	Dichlorodifluoromethane	ppbv	N/A	N/A	N/A	N/A
4610	1,2-Dichlorobenzene	ppbv	N/A	N/A	N/A	N/A
4615	1,3-Dichlorobenzene	ppbv	22.5	4.81	40.0	160
4620	1,4-Dichlorobenzene	ppbv	37.2	7.67	40.0	160
4630	1,1-Dichloroethane	ppbv	30.0	2.76	40.0	160

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VOCs in Summa Canister (PT-VOAS-AIR) Lot #: 1084-23

cont'd

NELAC Code	Analyte	Units	Study Mean	Study Standard Deviation	Low Acceptance Limit %	High Acceptance Limit %
4635	1,2-Dichloroethane	ppbv	42.3	4.87	40.0	160
4640	1,1-Dichloroethene	ppbv	N/A	N/A	N/A	N/A
4645	cis-1,2-Dichloroethene	ppbv	37.7	3.81	40.0	160
4700	trans-1,2-Dichloroethene	ppbv	20.7	2.48	40.0	160
4655	1,2-Dichloropropane	ppbv	35.0	3.16	40.0	160
4680	cis-1,3-Dichloropropene	ppbv	N/A	N/A	N/A	N/A
4685	trans-1,3-Dichloropropene	ppbv	N/A	N/A	N/A	N/A
4695	1,2-Dichloro-1,1,2,2-tetrafluoroethane	ppbv	N/A	N/A	N/A	N/A
4755	Ethyl acetate	ppbv	N/A	N/A	N/A	N/A
4760	Ethyl acrylate	ppbv	N/A	N/A	N/A	N/A
4765	Ethylbenzene	ppbv	32.1	3.83	40.0	160
4770	Ethyl-t-butylether (ETBE)	ppbv	N/A	N/A	N/A	N/A
4542	4-Ethyltoluene	ppbv	N/A	N/A	N/A	N/A
4825	n-Heptane	ppbv	N/A	N/A	N/A	N/A
4835	Hexachlorobutadiene	ppbv	N/A	N/A	N/A	N/A
4855	Hexane	ppbv	N/A	N/A	N/A	N/A
4895	Isopropanol	ppbv	N/A	N/A	N/A	N/A
5000	Methyl tert-butyl ether (MTBE)	ppbv	N/A	N/A	N/A	N/A
4975	Methylene chloride	ppbv	N/A	N/A	N/A	N/A
4995	Methyl isobutyl ketone (Hexone)	ppbv	N/A	N/A	N/A	N/A
4990	Methyl methacrylate	ppbv	N/A	N/A	N/A	N/A
5027	n-Octane	ppbv	N/A	N/A	N/A	N/A
4836	Propylene	ppbv	N/A	N/A	N/A	N/A
5100	Styrene	ppbv	N/A	N/A	N/A	N/A
4370	T-amylmethylether (TAME)	ppbv	N/A	N/A	N/A	N/A
5115	Tetrachloroethene	ppbv	43.4	4.64	40.0	160
5155	1,2,4-Trichlorobenzene	ppbv	N/A	N/A	N/A	N/A
5160	1,1,1-Trichloroethane	ppbv	N/A	N/A	N/A	N/A
5165	1,1,2-Trichloroethane	ppbv	29.6	3.37	40.0	160
5110	1,1,2,2-Tetrachloroethane	ppbv	19.7	3.14	40.0	160
5170	Trichloroethene	ppbv	N/A	N/A	N/A	N/A
5175	Trichlorofluoromethane	ppbv	N/A	N/A	N/A	N/A
5185	1,1,2-Trichloro-1,2,2-trifluoroethane	ppbv	N/A	N/A	N/A	N/A
5210	1,2,4-Trimethylbenzene	ppbv	37.5	6.70	40.0	160
5215	1,3,5-Trimethylbenzene	ppbv	64.6	7.03	40.0	160
5140	Toluene	ppbv	23.7	2.00	40.0	160
5230	Vinyl bromide	ppbv	N/A	N/A	N/A	N/A
5235	Vinyl chloride	ppbv	N/A	N/A	N/A	N/A
5240	m+p-Xylene	ppbv	58.7	6.13	40.0	160
5250	o-Xylene	ppbv	14.0	2.04	40.0	160
5260	Xylenes, total	ppbv	72.7	7.34	40.0	160