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Source Test Report for 2022 Compliance Emissions Testing

EU-CoaterC and EU-NewMixroom (FG-C&NewMixroom)

General Formulations, Inc. Sparta, Michigan

Prepared For:

General Formulation, Inc. 309 S. Union Street Sparta, MI 49345

Prepared By:

Montrose Air Quality Services, LLC 4949 Fernlee Avenue Royal Oak, MI 48073

For Submission To:

Michigan Department of Environment, Great Lakes, and Energy 525 W. Allegan Street Lansing, MI 48933

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Review and Certification

All work, calculations, and other activities and tasks performed and presented in this document were carried out by me or under my direction and supervision. I hereby certify that, to the best of my knowledge, Montrose operated in conformance with the requirements of the Montrose Quality Management System and ASTM D7036-04 during this test project.

Signature:

Name: Brian Romani

Date: 01 / 16 / 2023

Title: Client Project Manager

I have reviewed, technically and editorially, details, calculations, results, conclusions, and other appropriate written materials contained herein. I hereby certify that, to the best of my knowledge, the presented material is authentic, accurate, and conforms to the requirements of the Montrose Quality Management System and ASTM D7036-04.

Signature:	robert j lisy jr	Date:	01 / 16 / 2023
Name:	Robert J. Lisy, Jr.	Title:	Reporting Hub Manager

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1.0 Introduction

1.1 Summary of Test Program

General Formulations, Inc. contracted Montrose Air Quality Services, LLC (Montrose) to perform a compliance test program on the EU-CoaterC and EU-NewMixroom (FG-C&NewMixroom) at the General Formulations, Inc. facility (State Registration No.: M3554) located in Sparta, Michigan. Testing was performed on November 29, 2022, for the purpose of satisfying the emission testing requirements pursuant to Michigan Department of Environment, Great Lakes, and Energy (EGLE) Permit-to-Install (PTI) No. 192-03G.

The specific objectives were to:

- Verify the volatile organic compound (VOC) destruction efficiency (DE) of the regenerative thermal oxidizer (RTO) (SV-ExistRTO) serving FG-C&NewMixroom
- Verify 100% VOC capture efficiency (CE) of the permanent total enclosure (PTE) associated with FG-C&NewMixroom
- Determine the overall control efficiency of SV-ExistRTO and the FG-C&NewMixroom PTE utilizing the results of the VOC DE and VOC CE
- Conduct the test program with a focus on safety

Montrose performed the tests to measure the emission parameters listed in Table 1-1.

Test Date(s)	Unit ID/ Source Name	Activity/Parameters	Test Methods	No. of Runs	Duration (Minutes)
11/29/2022	SV-ExistRTO Inlet	Velocity/Volumetric Flow Rate	EPA 1 & 2	3	10
11/29/2022	SV-ExistRTO Inlet	O ₂ , CO ₂	EPA 3	3	60
11/29/2022	SV-ExistRTO Inlet	Moisture	EPA 4 wb/db	3	1
11/29/2022	SV-ExistRTO Inlet	THC	EPA 25A	3	60
11/29/2022	SV-ExistRTO Exhaust	Velocity/Volumetric Flow Rate	EPA 1 & 2	3	60
11/29/2022	SV-ExistRTO Exhaust	O ₂ , CO ₂	EPA 3	3	60
11/29/2022	SV-ExistRTO Exhaust	Moisture	EPA 4	3	60
11/29/2022	SV-ExistRTO Exhaust	THC	EPA 25A	3	60
11/29/2022	PTE	VOC CE	EPA 204	<u>-1</u> 3	

Table 1-1

Summary of FG-C&NewMixroom Test Program



To simplify this report, a list of Units and Abbreviations is included in Appendix C.1. Throughout this report, chemical nomenclature, acronyms, and reporting units are not defined. Please refer to the list for specific details.

This report presents the test results and supporting data, descriptions of the testing procedures, descriptions of the facility and sampling locations, and a summary of the quality assurance procedures used by Montrose. The average emission test results are summarized and compared to their respective permit limits in Table 1-2. Detailed results for individual test runs can be found in Section 4.0. All supporting data can be found in the appendices.

The testing was conducted by the Montrose personnel listed in Table 1-3. The tests were conducted according to the test plan (protocol) dated October 28, 2022, that was submitted to the EGLE.

Table 1-2

Summary of Average Compliance Results – FG-C&NewMixroom

November 29, 2022

Parameter/Units	Average Results	Emission Limits			
VOC Destruction Efficiency (DE)					
%	98.3	95			
VOC Capture Efficiency (CE)					
%	100	100			
Overall VOC Control Efficiency					
%	98.3	95			

1.2 Key Personnel

A list of project participants is included below:

Facility Information

Source Location:	General Formulations, Inc.
	309 S. Union St.
	Sparta, MI 49345
Project Contact:	Rob Bachholzky
Role:	Quality Control Manager
Company:	General Formulations, Inc.
Telephone:	616-887-7387
Email:	rbachholzky@generalformulations.com



Agency Information

Regulatory Agency: Mich Agency Contact: Linds Telephone: 517-Email: wells

gency: Michigan Department of Environment, Great Lakes, and Energy
bontact: Lindsey Wells
bohone: 517-282-2345
Email: wellsL8@michigan.gov

Testing Company Information

Testing Firm:	Montrose Air Quality Services, LLC	
Contact:	Robert J. Lisy, Jr.	Brian Romani
Title:	Reporting Hub Manager	Client Project Manager
Telephone:	440-262-3760	630-625-2110
Email:	rlisy@montrose-env.com	bromani@montrose-env.com

Test personnel and observers are summarized in Table 1-3.

Table 1-3 Test Personnel and Observers

Name	Affiliation	Role/Responsibility
Brian Romani	Montrose	Client Project Manager, QI
Dakota Gauf	Montrose	Field Technician
Roy Zimmer	Montrose	Field Technician
Clayton DeRonne	Montrose	Field Technician
Rob Bachholzky	General Formulations	Test Coordinator
Kaitlyn DeVries	EGLE	Observer

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2.0 Plant and Sampling Location Descriptions

2.1 Process Description, Operation, and Control Equipment

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The FG-C&NewMixroom process includes Roll Laminators (coater), a natural gas fired oven, and a new mix room. Coater C (EU-CoaterC) uses only solvent-based coatings. EU-NewMixroom is a batch process where coatings and adhesives are produced for internal use and external sales. Both are controlled by a Permanent Total Enclosure (PTE) and an existing regenerative thermal oxidizer (RTO). Each emission unit is equipped with a filtration system to control particulate matter.

2.2 Flue Gas Sampling Locations

Information regarding the sampling locations is presented in Table 2-1.

Table 2-1 Sampling Locations

Sampling Location	Stack Inside Diameter (in.)	Distance from Ne Downstream EPA ``B″ (in./dia.)	arest Disturbance Upstream EPA ``A″ (in./dia.)	Number of Traverse Points
SV-ExistRTO Inlet Duct	43.6	140.4 / 3.2	55.2 / 1.3	Flow: 16 (8/port) Gaseous: 1
SV-ExistRTO Exhaust Stack	31.0 X 55.5 Rectangular	240.0 / 6.0	144.0 / 3.6	Flow: 12 (3/port) Gaseous: 1

Sample locations were verified in the field to conform to EPA Method 1. Acceptable cyclonic flow conditions were confirmed prior to testing using EPA Method 1, Section 11.4. See Appendix A.1 for more information.

2.3 Operating Conditions and Process Data

Emission tests were performed while FG-C&NewMixroom and SV-ExistRTO were operating at the conditions required by the permit. FG-C&NewMixroom was tested when operating normally.

Plant personnel were responsible for establishing the test conditions and collecting all applicable unit-operating data. The process data that was provided is presented in Appendix B. Data collected includes the following parameters:

- Line speed, ft/min
- Oven temperature, °F
- RTO inlet/outlet/chamber temperatures, °F
- PTE pressure drop, in-H₂O

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3.0 Sampling and Analytical Procedures

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3.1 Test Methods

The test methods for this test program have been presented in Table 1-1. Additional information regarding specific applications or modifications to standard procedures is presented below.

3.1.1 EPA Method 1, Sample and Velocity Traverses for Stationary Sources

EPA Method 1 is used to assure that representative measurements of volumetric flow rate are obtained by dividing the cross-section of the stack or duct into equal areas, and then locating a traverse point within each of the equal areas. Acceptable sample locations must be located at least two stack or duct equivalent diameters downstream from a flow disturbance and one-half equivalent diameter upstream from a flow disturbance.

The sample port and traverse point locations are detailed in Appendix A.

3.1.2 EPA Method 2, Determination of Stack Gas Velocity and Volumetric Flow Rate (Type S Pitot Tube)

EPA Method 2 is used to measure the gas velocity using an S-type pitot tube connected to a pressure measurement device, and to measure the gas temperature using a calibrated thermocouple connected to a thermocouple indicator. Typically, Type S (Stau β cheibe) pitot tubes conforming to the geometric specifications in the test method are used, along with an inclined manometer. The measurements are made at traverse points specified by EPA Method 1.

The typical inlet sampling system is detailed in Figure 3-1, and the typical exhaust sampling system is detailed in Figure 3-2.

3.1.3 EPA Method 3, Gas Analysis for the Determination of Dry Molecular Weight

EPA Method 3 is used to calculate the dry molecular weight of the stack gas using one of three methods. The first choice is to measure the percent O_2 and CO_2 in the gas stream. A gas sample is extracted from a stack by one of the following methods: (1) single-point, grab sampling; (2) single-point, integrated sampling; or (3) multi-point, integrated sampling. The gas sample is analyzed for percent CO_2 and percent O_2 using either an Orsat or a Fyrite analyzer. The second choice is to use stoichiometric calculations to calculate dry molecular weight. The third choice is to use an assigned value of 30.0, in lieu of actual measurements, for processes burning natural gas, coal, or oil.



Figure 3-1 EPA Method 2 Sampling Train



3.1.4 EPA Method 4 wb/db, Determination of Moisture Content in Stack Gas (Approximation Technique)

EPA Method 4 wb/db is a manual technique used to approximate the moisture content of gas streams. The gas stream of a duct or stack is measured using a sling psychrometer to determine the approximate moisture content and relative humidity of the gas stream.

3.1.5 EPA Method 4, Determination of Moisture Content in Stack Gas

EPA Method 4 is a manual, non-isokinetic method used to measure the moisture content of gas streams. Gas is sampled at a constant sampling rate through a probe and impinger train. Moisture is removed using a series of pre-weighed impingers containing methodology-specific liquids and silica gel immersed in an ice water bath. The impingers are weighed after each run to determine the percent moisture.

The typical sampling system is detailed in Figure 3-2.

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Figure 3-2 EPA Method 4 Sampling Train



3.1.6 EPA Method 25A, Determination of Total Gaseous Organic Concentration Using a Flame Ionization Analyzer

EPA Method 25A is an instrumental test method used to measure the concentration of THC in stack gas. A gas sample is extracted from the source through a heated sample line and glass fiber filter to a flame ionization analyzer (FIA). Results are reported as volume concentration equivalents of the calibration gas or as carbon equivalents.

The typical sampling system is detailed in Figure 3-3.

3.1.7 EPA Method 204, Criteria for and Verification of a Permanent or Temporary Total Enclosure

An enclosure is evaluated against a set of criteria. If the criteria are met and if all the exhaust gases from the enclosure are ducted to a control device, then the volatile organic compounds (VOC) capture efficiency (CE) is assumed to be 100 percent, and CE need not be measured. However, if part of the exhaust gas stream is not ducted to a control device, CE must be determined.

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Figure 3-3 EPA Method 25A Sampling Train



3.2 Process Test Methods

The test plan did not require that process samples be collected during this test program; therefore, no process sample data are presented in this test report.



4.0 Test Discussion and Results

4.1 Field Test Deviations and Exceptions

No field deviations or exceptions from the test plan or test methods occurred during this test program.

4.2 Presentation of Results

The average results are compared to the permit limits in Table 1-2. The results of individual compliance test runs performed are presented in Tables 4-1 and 4-2. Emissions are reported in units consistent with those in the applicable regulations or requirements. Additional information is included in the appendices as presented in the Table of Contents.

Table 4-1 VOC Emissions Results -

FG-C&NewMixroom SV-ExistRTO Inlet Duct

Parameter/Units	Run 1	Run 2	Run 3	Average
Date	11/29/2022	11/29/2022	11/29/2022	and The server
Time	10:31-11:31	11:51-12:51	13:07-14:07	
Sampling & Flue Gas Parameters				
sample duration, minutes	60	60	60	and the second
O ₂ , % volume dry	20.80	20.80	20.80	20.80
CO ₂ , % volume dry	0.00	0.00	0.00	0.00
flue gas temperature, °F	75.8	76.8	74.7	75.7
moisture content, % volume	1.72	1.69	1.84	1.75
volumetric flow rate, scfm	18,269	16,843	16,760	17,291
Volatile Organic Compounds (VOC), as propane				
ppmvw	1,183	1,154	1,162	1,166
lb/hr	148.4	133.4	133.7	138.5

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Table 4-2

VOC Emissions and VOC DE Results -FG-C&NewMixroom SV-ExistRTO Exhaust Stack

Parameter/Units	Run 1	Run 2	Run 3	Average
Date	11/29/2022	11/29/2022	11/29/2022	
Time	10:31-11:31	11:51-12:51	13:07-14:07	
Process Data *				
Line speed, ft/min	50	50	50	50
RTO chamber temp., °F	1,618	1,599	1,595	1,604
Sampling & Flue Gas Parameters				- 1945
sample duration, minutes	60	60	60	
O2, % volume dry	20.20	20.20	20.20	20.20
CO ₂ , % volume dry	1.00	1.00	1.00	1.00
flue gas temperature, °F	290.8	292.4	292.6	291.9
moisture content, % volume	0.93	0.82	0.80	0.85
volumetric flow rate, scfm	25,359	24,362	21,540	23,754
Volatile Organic Compounds (VOC), as propane				
ppmvw	14.6	14.2	14.3	14.4
lb/hr	2.55	2.38	2.11	2.35
VOC Destruction Efficiency (DE)				
%	98.3	98.2	98.4	98.3

* Process data was provided by General Formulations personnel.



Table 4-3

Permanent Total Enclosure Verification and CE Results -FG-C&NewMixroom PTE

Parameter	Results	Allowable	
Date	11/29/2022	B130	
Time	13:07-14:07		
NDO 1 – Lower Primer Coater (North Elevation)	ik sis kary nakos	STREET STREET STREET	
Differential Pressure, in-H ₂ O	0.0500	≥ 0.0070	
Equivalent Diameter, in.	11.37	Charles an <u>s</u> actor	
Distance to Nearest VOC Emitting Point, in.	76	≥ 45.5	
Inward flow verified with smoke tubes (Y/N)	YES	0901777 W03_015	
NDO 2 – Lower Primer Coater (North Elevation)		No. 1 - Love Con	
Differential Pressure, in-H ₂ O	0.0500	≥ 0.0070	
Equivalent Diameter, in.	11.37	Canada and a standard and a standard and a standard a standard a standard a standard a standard a standard a st	
Distance to Nearest VOC Emitting Point, in.	66	≥ 45.5	
Inward flow verified with smoke tubes (Y/N)	YES	n in ar And <mark>i </mark> Lithwa)	
NDO 3 – Lower Primer Coater (East Elevation)	AMONG REAMY TEREOR	THE REPORT OF BUILDING	
Differential Pressure, in-H ₂ O	0.0600	≥ 0.0070	
Equivalent Diameter, in.	15.80	aparala pa <mark>e</mark> parapa	
Distance to Nearest VOC Emitting Point, in.	94	≥ 63.2	
Inward flow verified with smoke tubes (Y/N)	YES	adder an <u>r</u> ownt	
NDO 4 – Lower Primer Coater (East Elevation)	A service of the service of the	12/03 - 8 07/03/	
Differential Pressure, in-H ₂ O	0.0300	≥ 0.0070	
Equivalent Diameter, in.	15.80	Const. Jn <u>.</u> av	
Distance to Nearest VOC Emitting Point, in.	96	≥ 63.2	
Inward flow verified with smoke tubes (Y/N)	YES		
NDO 5 - Lower Primer Coater (South Elevation)			
Differential Pressure, in-H ₂ O	0.0400	≥ 0.0070	
Equivalent Diameter, in.	19.85	NAM TO ME DUPPEN	
Distance to Nearest VOC Emitting Point, in.	116	≥ 79.4	
Inward flow verified with smoke tubes (Y/N)	YES	isanév kol <u>u</u> tasz al	

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Permanent Total Enclosure Verification and CE Results -

FG-C&NewMixroom PTE

Parameter	Results	Allowable	
Date	11/29/2022		
Time	13:07-14:07		
NDO 6 - Lower Primer Coater (West Elevation)			
Differential Pressure, in-H ₂ O	0.0500	≥ 0.0070	
Equivalent Diameter, in.	15.80		
Distance to Nearest VOC Emitting Point, in.	94	≥ 63.2	
Inward flow verified with smoke tubes (Y/N)	YES		
NDO 7 - Lower Primer Coater (West Elevation)			
Differential Pressure, in-H ₂ O	0.0500	≥ 0.0070	
Equivalent Diameter, in.	7.53 *		
Distance to Nearest VOC Emitting Point, in.	70	≥ 30.1	
Inward flow verified with smoke tubes (Y/N)	YES		
NDO 8 - Lower Primer Coater (West Elevation)			
Differential Pressure, in-H ₂ O	0.0600	≥ 0.0070	
Equivalent Diameter, in.	15.80		
Distance to Nearest VOC Emitting Point, in.	70	≥ 63.2	
Inward flow verified with smoke tubes (Y/N)	YES		
NDO 9 - Lower Coater (South Elevation)			
Differential Pressure, in-H ₂ O	0.0600	≥ 0.0070	
Equivalent Diameter, in.	18.90		
Distance to Nearest VOC Emitting Point, in.	85	≥ 75.6	
Inward flow verified with smoke tubes (Y/N)	YES		
NDO 10 - Lower Coater (South Elevation)			
Differential Pressure, in- H_2O	0.0500	≥ 0.0070	
Equivalent Diameter, in.	15.80		
Distance to Nearest VOC Emitting Point, in.	95	≥ 63.2	
Inward flow verified with smoke tubes (Y/N)	YES		

* The alternative Equivalent Diameter calculation for square/rectangular NDOs was used. ED = 2LW / (L + W)



Permanent Total Enclosure Verification and CE Results -FG-C&NewMixroom PTE

Parameter	Results	Allowable
Date	11/29/2022	
Time	13:07-14:07	
NDO 11 - Lower Coater (South Elevation)	100 C C C C C C C C C C C C C C C C C C	a meeting court
Differential Pressure, in-H ₂ O	0.0400	≥ 0.0070
Equivalent Diameter, in.	14.46	esoto de pu rs e ateles
Distance to Nearest VOC Emitting Point, in.	98	≥ 57.8
Inward flow verified with smoke tubes (Y/N)	YES	SMRDV MO <u>L</u> . C-Al
NDO 12 - Lower Coater (West Elevation)	Ventra (VE) Porta (Sh	WING IN - WORKS PER
Differential Pressure, in-H ₂ O	0.0200	≥ 0.0070
Equivalent Diameter, in.	15.82	an all an all and a second
Distance to Nearest VOC Emitting Point, in.	240	≥ 63.3
Inward flow verified with smoke tubes (Y/N)	YES	оланая жо <u>п</u> насти
NDO 13 - Lower Coater (West Elevation)	leven shiring texteeling is	1112 61212 5 1 1 M
Differential Pressure, in-H ₂ O	0.0100	≥ 0.0070
Equivalent Diameter, in.	15.80	er og det som
Distance to Nearest VOC Emitting Point, in.	108	≥ 63.2
Inward flow verified with smoke tubes (Y/N)	YES	Photos and a compared
NDO 14 - Lower Coater (West Elevation)	The states and the	united to the first
Differential Pressure, in-H ₂ O	0.0200	≥ 0.0070
Equivalent Diameter, in.	19.41	and read a training that a
Distance to Nearest VOC Emitting Point, in.	80	≥ 77.7
Inward flow verified with smoke tubes (Y/N)	YES	outros do <u>n</u> e cui
NDO 15 - Lower Coater (West Elevation)	LOUISMAN / MADE 1.97	NO 24 THE STOCK
Differential Pressure, in-H ₂ O	0.0200	≥ 0.0070
Equivalent Diameter, in.	15.80	molting a syst
Distance to Nearest VOC Emitting Point, in.	108	≥ 63.2
Inward flow verified with smoke tubes (Y/N)	YES	Saul SA Not Constant

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Permanent Total Enclosure Verification and CE Results -

FG-C&NewMixroom PTE

Parameter	Results	Allowable	
Date	11/29/2022		
Time	13:07-14:07		
NDO 16 - Lower Coater (West Elevation)			
Differential Pressure, in-H ₂ O	0.0100	≥ 0.0070	
Equivalent Diameter, in.	11.37		
Distance to Nearest VOC Emitting Point, in.	70	≥ 45.5	
Inward flow verified with smoke tubes (Y/N)	YES		
NDO 17 - Upper Primer Coater (North Elevation)			
Differential Pressure, in-H ₂ O	0.0100	≥ 0.0070	
Equivalent Diameter, in.	11.37		
Distance to Nearest VOC Emitting Point, in.	120	≥ 45.5	
Inward flow verified with smoke tubes (Y/N)	YES		
NDO 18 - Upper Primer Coater (East Elevation)			
Differential Pressure, in-H ₂ O	0.0400	≥ 0.0070	
Equivalent Diameter, in.	8.06		
Distance to Nearest VOC Emitting Point, in.	360	≥ 32.2	
Inward flow verified with smoke tubes (Y/N)	YES		
NDO 19 - Upper Primer Coater (South Elevation)			
Differential Pressure, in-H ₂ O	0.0100	≥ 0.0070	
Equivalent Diameter, in.	11.37		
Distance to Nearest VOC Emitting Point, in.	120	≥ 45.5	
Inward flow verified with smoke tubes (Y/N)	YES		
NDO 20 - Upper Coater (North Elevation)			
Differential Pressure, in-H ₂ O	0.0100	≥ 0.0070	
Equivalent Diameter, in.	11.37		
Distance to Nearest VOC Emitting Point, in.	320	≥ 45.5	
Inward flow verified with smoke tubes (Y/N)	YES		



Permanent Total Enclosure Verification and CE Results -

FG-C&NewMixroom PTE

Parameter	Results	Allowable
Date	11/29/2022	an de la concepción de la
Time	13:07-14:07	
NDO 21 - Upper Coater (South Elevation)		
Differential Pressure, in-H ₂ O	0.0200	≥ 0.0070
Equivalent Diameter, in.	11.37	
Distance to Nearest VOC Emitting Point, in.	320	≥ 45.5
Inward flow verified with smoke tubes (Y/N)	YES	
NDO 22 - Upper Coater (South Elevation)	APPRIL CONT.	
Differential Pressure, in-H ₂ O	0.0200	≥ 0.0070
Equivalent Diameter, in.	11.37	
Distance to Nearest VOC Emitting Point, in.	230	≥ 45.5
Inward flow verified with smoke tubes (Y/N)	YES	trailae i al secolocia
NDO 23 - Upper Coater (West Elevation)		Twick Therapy is in
Differential Pressure, in-H ₂ O	0.0200	≥ 0.0070
Equivalent Diameter, in.	25.33	the substantial sector
Distance to Nearest VOC Emitting Point, in.	216	≥ 101.3
Inward flow verified with smoke tubes (Y/N)	YES	navsi S S na D S
		Confection result was
NDO to Enclosure Area Ratio (NEAR)	n o hodovic monočiovic Roma politika od Plant II.	n en seus e provinsi de la compania. Another époche de la compania
Total Area of NDO's (AN), ft. ²	29.46	Non the territory will
Total Surface Area of Enclosure (AT), ft. ²	4,055	
NEAR (AN/AT)	0.0073	≤ 0.05



5.0 Internal QA/QC Activities

5.1 QA/QC Audits

The meter box and sampling train used during sampling performed within the requirements of their respective methods. All post-test leak checks, minimum metered volumes met the applicable QA/QC criteria.

Fyrite analyzer audits were performed during this test in accordance with EPA Method 3, Section 10.1 requirements. The results were within \pm 0.5% of the respective audit gas concentrations.

EPA Method 25A FIA calibration audits were within the measurement system performance specifications for the calibration drift checks and calibration error checks.

5.2 QA/QC Discussion

All QA/QC criteria were met during this test program.

5.3 Quality Statement

Montrose is qualified to conduct this test program and has established a quality management system that led to accreditation with ASTM Standard D7036-04 (Standard Practice for Competence of Air Emission Testing Bodies). Montrose participates in annual functional assessments for conformance with D7036-04 which are conducted by the American Association for Laboratory Accreditation (A2LA). All testing performed by Montrose is supervised on site by at least one Qualified Individual (QI) as defined in D7036-04 Section 8.3.2. Data quality objectives for estimating measurement uncertainty within the documented limits in the test methods are met by using approved test protocols for each project as defined in D7036-04 Sections 7.2.1 and 12.10. Additional quality assurance information is included in the report appendices. The content of this report is modeled after the EPA Emission Measurement Center Guideline Document (GD-043).



Appendix A Field Data and Calculations

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Appendix A.1 Sampling Locations

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我们做一张就人在美家家一方要联家美国美丽



FG-C&NewMixroom SAMPLING LOCATION SCHEMATIC



RTO INLET DUCT TRAVERSE POINT LOCATION DRAWING









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