EPA Information Collection Request

Prepared For
Georgia Power
(In Response to EPA's Section 114 Letter, Dated 6 April 2022)

Performed At The
Georgia Power
Plant McIntosh
Simple Cycle Combustion Turbines- Units 1 and 2
Rincon, GA

Test Date(s)
September 12 through 27, 2022

Report No.
TRC Environmental Corporation Report 491281

Report Submittal Date
January 4, 2023

TRC Environmental Corporation
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Report Certification

I certify that to the best of my knowledge:

- Testing data and all corresponding information have been checked for accuracy and completeness.
- Sampling and analysis have been conducted in accordance with the approved protocol and applicable reference methods (as applicable).
- All deviations, method modifications, or sampling and analytical anomalies are summarized in the appropriate report narrative(s).
- This report contains a total of 926 pages - including coversheet, table of contents and certification pages.

Jon T. Howard
Technical Director

January 4, 2023
Date

Jason Grizzle
Project Manager

January 4, 2023
Date

TRC was operating in conformance with the requirements of ASTM D7036-04 during this test program.

Bruce Randall
TRC Emission Testing Technical Director

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1.0 INTRODUCTION

TRC Environmental Corporation (TRC) performed a comprehensive emission test program on two Simple Cycle Combustion Turbines (CTs) (Units 1 and 2) at Georgia Power-Plant McIntosh in Rincon, GA beginning the week of 12 September 2022. The test program was conducted in response to the EPA's Section 114 Information Collection Request (ICR) letter issued to Ms. Rosa Chi, Air Manager, Environmental Affairs of Georgia Power. This emission testing program was completed in accordance with the methods and procedures presented in Enclosure 1 of 40 CFR, Part 63, Subpart YYYY and in accordance with technical discussion between representative EPA Officials, Georgia Power, and TRC. The Test Protocol dated August 31, 2022, was provided to the Georgia Department of Natural Resources, Environmental Protection Division and EPA officials although not required by rule.

1.1 Project Contact Information

Entity/Location	Address	Contact
Georgia Power Environmental Affairs	Georgia Power Environmental Affairs 2480 Maner Rd SE Atlanta, Georgia 30339	Rosa Chi Regulatory and Strategy Manager (404) 664-2940 (phone) TRCHI@southernco.com Jason Grooms Air Monitoring & Testing Supervisor (912) 687-3137 (phone) jgrooms@southernco.com GA Power- Testing Coordination Drew Blankenship Specialist, Sr. Environmental (770) 550-1503 (phone) jablanke@southernco.com
Test Facilities	Georgia Power Plant McIntosh 981 Old Augusta Rd Rincon, Georgia 31326 Permit No. 4911-103-0003-V-04-0 Facility No. 110000516273	Plant Contact: Rosa Chi (404) 664-2940 (phone) TRCHI@southernco.com

Testing Company	TRC Environmental Corporation 9225 US Highway 183 South Austin, Texas 78747	Jon Howard Technical Director (334)-704-4706 (phone) (512) 243-0222 (fax) jhoward@trccompanies.com Jason Grizzle Project Manager/Test Team Lead (720) 838-3857 (phone) jgrizzle@trccompanies.com

The tests were conducted by Jason Grizzle, Will McKibben, Mike Lawrie, Alex Frank, Sean MacLeod and Martin Morales of TRC. Documentation of the on-site ASTM D7036-04 Qualified Individual(s) (QI) is appended.

No governmental representatives observed the testing.

1.2 Facility and Process Description

The McIntosh Combustion Turbine-Electric Generating Plant includes 8 diffusion-flame, simple-cycle combustion turbines permitted to burn both natural gas and No. 2 fuel oil. Each CT has a power rating of 80 MW. The photo provided below shows the two CTs (CT Unit 1 and CT Unit 2) selected for testing.

2.0 SUMMARY OF RESULTS

The results of this test program are summarized in the tables below. Detailed individual run results are presented in Section 6.0.

2.1 Summary of Test Results- CT Unit 1 – (Firing Natural Gas)

Source/Parameter	Mean Test Result	Mean Test Result
Method 320		
Hydrogen Chloride (Dry)	0.08 ppm@15%O_2	0.271 lb/hr
Hydrogen Fluoride (Dry)	0.66 ppm@15%O_2	1.18 lb/hr
Formaldehyde (Dry)	< 0.0163 ppm@15%O_2	< 0.0437 lb/hr
Method 10		
Carbon Monoxide (Dry)	< 0.10 ppm@15%O_2	< 0.00031 lb/hr
HAP Metals (Method 29)		
Total HAP Metals	5.04E-05 mg/dscm@15%O_2 - DLL	4.71E-01 lb/hr - DLL
Antimony	4.09E-04 mg/dscm@15%O_2 - DLL	8.78E-04 lb/hr - DLL
Arsenic	3.60E-04 mg/dscm@15%O_2 - BDL	7.71E-04 lb/hr - BDL
Beryllium	1.16E-05 mg/dscm@15%O_2 - BDL	2.48E-05 lb/hr - BDL
Cadmium	7.79E-05 mg/dscm@15%O_2 - DLL	1.68E-04 lb/hr - DLL
Chromium	9.95E-04 mg/dscm@15%O_2 - ADL	2.13E-03 lb/hr - ADL
Cobalt	3.87E-04 mg/dscm@15%O_2 - DLL	8.30E-04 lb/hr - DLL
Lead	3.55E-04 mg/dscm@15%O_2 - DLL	7.62E-04 lb/hr - DLL
Manganese	4.57E-03 mg/dscm@15%O_2 - ADL	1.00E-02 lb/hr - ADL
Mercury	1.04E-04 mg/dscm@15%O_2 - DLL	2.23E-04 lb/hr - DLL
Nickel	5.23E-04 mg/dscm@15%O_2 - ADL	1.11E-03 lb/hr - ADL
Selenium	6.41E-04 mg/dscm@15%O_2 - DLL	1.37E-04 lb/hr - DLL
Method 5		
Particulate Matter (*filterable*)	5.97E-04 gr/dscf - DLL	5.65E-04 gr/dscf@15%O2 - DLL

Note:

ADL - all analytical values used to calculate and report an in-stack emissions value are greater than the laboratory's reported detection level(s)
DLL - at least one, but not all values used to calculate and report an in-stack emissions value are greater than the laboratory's reported detection level(s)
BDL - all analytical values used to calculate and report an in-stack emissions value are less than the laboratory's reported detection level(s)

2.2 Summary of Test Results- CT Unit 1 – (Firing Oil)

Source/Parameter	Mean Test Result	Mean Test Result
Method 320		
Hydrogen Chloride (Dry)	< 0.04 ppm@15%O_2	< 0.147 lb/hr
Hydrogen Fluoride (Dry)	0.79 ppm@15%O_2	1.52 lb/hr
Formaldehyde (Dry)	< 0.0064 ppm@15%O_2	< 0.0185 lb/hr
Method 10		
Carbon Monoxide (Dry)	< 0.09 ppm@15%O_2	< 0.00031 lb/hr
HAP Metals (Method 29)		
Total HAP Metals	5.02E-01 mg/dscm@15%O_2 - DLL	4.66E-01 lb/hr - DLL
Antimony	3.11E-04 mg/dscm@15%O_2 - DLL	7.02E-04 lb/hr - DLL
Arsenic	3.84E-04 mg/dscm@15%O_2 - BDL	8.63E-04 lb/hr - BDL
Beryllium	1.23E-05 mg/dscm@15%O_2 - BDL	2.77E-05 lb/hr - BDL
Cadmium	6.30E-05 mg/dscm@15%O_2 - DLL	1.42E-04 lb/hr - DLL
Chromium	3.33E-04 mg/dscm@15%O_2 - ADL	1.69E-03 lb/hr - ADL
Cobalt	4.12E-04 mg/dscm@15%O_2 - DLL	9.24E-04 lb/hr - DLL
Lead	2.78E-04 mg/dscm@15%O_2 - DLL	6.25E-04 lb/hr - DLL
Manganese	1.03E-03 mg/dscm@15%O_2 - ADL	2.31E-03 lb/hr - ADL
Mercury	9.70E-05 mg/dscm@15%O_2 - DLL	2.18E-04 lb/hr - DLL
Nickel	3.33E-04 mg/dscm@15%O_2 - ADL	7.48E-04 lb/hr - ADL
Selenium	3.84E-04 mg/dscm@15%O_2 - DLL	8.93E-04 lb/hr - DLL
Method 5		
Particulate Matter (*filterable*)	1.65E-04E-04 gr/dscf - DLL	1.51E-04 gr/dscf@15%O_2 - DLL

Note:

ADL - all analytical values used to calculate and report an in-stack emissions value are greater than the laboratory's reported detection level(s)
DLL - at least one, but not all values used to calculate and report an in-stack emissions value are greater than the laboratory's reported detection level(s)
BDL - all analytical values used to calculate and report an in-stack emissions value are less than the laboratory's reported detection level(s)

2.3 Summary of Test Results- CT Unit 2 – (Firing Natural Gas)

Source/Parameter	Mean Test Result	Mean Test Result
Method 320		
Hydrogen Chloride (Dry)	0.13 ppm@15%O_2	0.445 lb/hr
Hydrogen Fluoride (Dry)	0.89 ppm@15%O_2	1.63 lb/hr
Formaldehyde (Dry)	< 0.0098 ppm@15%O_2	< 0.0269 lb/hr
Method 10		
Carbon Monoxide (Dry)	< 0.01 ppm@15%O_2	< 0.00003 lb/hr
HAP Metals (Method 29)		
Total HAP Metals	8.25E-03 mg/dscm@15%O_2 - DLL	1.79E-02 lb/hr - DLL
Antimony	4.07E-04 mg/dscm@15%O_2 - DLL	8.83E-04 lb/hr - DLL
Arsenic	3.88E-04 mg/dscm@15%O_2 - BDL	8.43E-04 lb/hr - BDL
Beryllium	1.25E-05 mg/dscm@15%O_2 - BDL	2.71E-05 lb/hr - BDL
Cadmium	7.24E-04 mg/dscm@15%O_2 - DLL	1.57E-04 lb/hr - DLL
Chromium	3.08E-03 mg/dscm@15%O_2 - ADL	6.68E-03 lb/hr - ADL
Cobalt	4.16E-04 mg/dscm@15%O_2 - DLL	9.03E-04 lb/hr - DLL
Lead	2.81E-04 mg/dscm@15%O_2 - DLL	6.11E-04 lb/hr - DLL
Manganese	1.67E-03 mg/dscm@15%O_2 - ADL	3.65E-03 lb/hr - ADL
Mercury	9.84E-05 mg/dscm@15%O_2 - DLL	2.14E-04 lb/hr - DLL
Nickel	1.44E-03 mg/dscm@15%O_2 - ADL	3.12E-03 lb/hr - ADL
Selenium	3.84E-04 mg/dscm@15%O_2 - DLL	8.35E-04 lb/hr - DLL
Method 5		
Particulate Matter (*filterable*)	3.24E-04 gr/dscf - DLL	2.92E-04 gr/dscf@15%O_2 - DLL

Note:

ADL - all analytical values used to calculate and report an in-stack emissions value are greater than the laboratory's reported detection level(s)
DLL - at least one, but not all values used to calculate and report an in-stack emissions value are greater than the laboratory's reported detection level(s)
BDL - all analytical values used to calculate and report an in-stack emissions value are less than the laboratory's reported detection level(s)

2.4 Summary of Test Results- CT Unit 2 – (Firing Oil)

Source/Parameter	Mean Test Result	Mean Test Result
Method 320		
Hydrogen Chloride (Dry)	< 0.04 ppm@15%O_2	< 0.133 lb/hr
Hydrogen Fluoride (Dry)	0.78 ppm@15%O_2	1.44 lb/hr
Formaldehyde (Dry)	< 0.0075 ppm@15%O_2	< 0.0206 lb/hr
Method 10		
Carbon Monoxide (Dry)	< 0.01 ppm@15%O_2	< 0.00003 lb/hr
HAP Metals (Method 29)		
Total HAP Metals	4.23E-03 mg/dscm@15%O_2 - DLL	9.11E-03 lb/hr - DLL
Antimony	4.31E-04 mg/dscm@15%O_2 - DLL	9.28E-04 lb/hr - DLL
Arsenic	4.06E-04 mg/dscm@15%O_2 - BDL	8.71E-04 lb/hr - BDL
Beryllium	1.30E-05 mg/dscm@15%O_2 - BDL	2.80E-05 lb/hr - BDL
Cadmium	6.17E-05 mg/dscm@15%O_2 - BDL	1.32E-04 lb/hr - BDL
Chromium	6.84E-04 mg/dscm@15%O_2 - ADL	1.47E-03 lb/hr - ADL
Cobalt	5.09E-04 mg/dscm@15%O_2 - BDL	1.10E-04 lb/hr - BDL
Lead	2.94E-04 mg/dscm@15%O_2 - BDL	6.31E-04 lb/hr - BDL
Manganese	7.13E-04 mg/dscm@15%O_2 - ADL	1.53E-03 lb/hr - ADL
Mercury	1.08E-04 mg/dscm@15%O_2 - BDL	2.32E-04 lb/hr - BDL
Nickel	6.41E-04 mg/dscm@15%O_2 - DLL	1.39E-03 lb/hr - DLL
Selenium	3.71E-04 mg/dscm@15%O_2 - DLL	7.96E-04 lb/hr - DLL
Method 5		
Particulate Matter (*filterable*)	1.76E-04 gr/dscf - DLL	1.79E-04 gr/dscf@15%O_2 - DLL

Note:

ADL - all analytical values used to calculate and report an in-stack emissions value are greater than the laboratory's reported detection level(s)
DLL - at least one, but not all values used to calculate and report an in-stack emissions value are greater than the laboratory's reported detection level(s)
BDL - all analytical values used to calculate and report an in-stack emissions value are less than the laboratory's reported detection level(s)

The table below summarizes the test methods used, as well as the number and duration of each at each test location:

Unit ID/ Sample Location	Parameter Measured	Test Method	No. of Runs	Run Duration
CT Units 1 and 2	Formaldehyde (CH_2O) Hydrogen Chloride Hydrogen Fluoride	USEPA 320	5-7	60 min
	Carbon Monoxide	USEPA 10	5-7	60 min
	Oxygen (O_2) and carbon dioxide (CO_2)	USEPA 3A	With all test runs	----
	Moisture Content (*Bws*)	USEPA 320 USEPA 4	5-7 5-7	60 min- M320 180-240 min
	HAP Metals	USEPA 29	5-7	180-240 min
	Filterable PM	USEPA 5	5-7	180-240 min
	Volumetric flow rate	USEPA 1-4	5-7	180-240 min

3.0 DISCUSSION OF RESULTS

No major problems were encountered with the test equipment or procedures during the test program. Source operation was normal during the entire test program. No changes or problems were encountered that required modification of any procedures presented in the test plan.

Matrix spike recovery for HF and HCL was challenging as expected but was met for both the Method 320 spiking and Method 301 validation testing requirements. TRC utilized dedicated high-density polyethylene (HDPE) tubing to deliver the HF and HCL gas to the sample probe for recovery through the sample lines and silconert gas regulators were used.

Due to safety considerations and possible impacts from Hurricane Ian, Georgia Power decided on Monday, 26 September 2022 to discontinue the ICR testing after Tuesday, 27 September 2022. The TRC Test team demobilized equipment and traveled away from the site on Wednesday, 28 September 2022 while the plant turned its attention to storm preparedness. All ICR testing was completed for CT1 and all ICR testing was completed for CT2 except for two Method 29 test runs on gas and two Method 29 test runs on oil. Notice of these activities was provided from Rosa Chi of GA Power to Melanie King, Nick Hutson and Kevin McGinn of EPA following notice by phone.

4.0 SAMPLING AND ANALYSIS PROCEDURES

All testing, sampling, analytical, and calibration procedures used for this test program were performed in accordance with the methods presented in the following sections. Where applicable, the Quality Assurance Handbook for Air Pollution Measurement Systems, Volume III, Stationary Source Specific Methods, USEPA 600/R-94/038c, September 1994 was used to supplement procedures.

4.1 Determination of Sample Point Locations by USEPA Method 1

Sampling was conducted at the main sample platform. Samples were collected from each of the 12 Method 1 traverse points during each test run. For instrumental testing, an initial O_2 stratification test using Method 7E procedures was performed. Once the absence of O_2 stratification was confirmed, sampling for CO, CH_2O, HCL, HF, O_2, CO_2 and moisture was conducted from a single point in one test port. Manual method testing including sampling at all appropriate traverse points defined by Method 1.

4.2 Volumetric Flow Rate Determination by USEPA Method 2

This method is applicable for the determination of the average velocity and the volumetric flow rate of a gas stream.

The gas velocity head (DP) and temperature were measured at traverse points defined by USEPA Method 1. The velocity head was measured with a Type S (Stausscheibe or reverse type) pitot tube and oil-filled manometer; and the gas temperature was measured with a Type K thermocouple. The average gas velocity in the flue was calculated based on: the gas density (as determined by USEPA Methods 3A and 4); the flue gas pressure; the average of the square roots of the velocity heads at each traverse point, and the average flue gas temperature.

4.3 Determination of the Concentration of Gaseous Pollutants Using a Multi-Pollutant Sampling System

Concentrations of the pollutants in the following sub-sections were determined using one sampling system. The number of points at which sample was collected was determined in accordance with 40CFR60 specifications.

4.3.1 CO_2 Determination by USEPA Method 3A

This method is applicable for the determination of CO_2 concentrations in controlled and uncontrolled emissions from stationary sources only when specified within the regulations. The CO_2 analyzer was equipped with a non-dispersive infrared (IR) detector.

4.3.2 O_2 Determination by USEPA Method 3A

This method is applicable for the determination of O_2 concentrations in controlled and uncontrolled emissions from stationary sources only when specified within the regulations. The O_2 analyzer was equipped with a paramagnetic-based detector.

4.3.3 CO Determination by USEPA Method 10

This method is applicable for the determination of CO concentrations in controlled and uncontrolled emissions from stationary sources only when specified within the regulations. The non-dispersive infrared analyzer (NDIR) CO analyzer was equipped with an internal gas correlation filter wheel, which eliminates potential detector interference. As such, use of an interference removal trap was not required.

4.4 Moisture Determination by USEPA Method 4

This method is applicable for the determination of the moisture content of stack gas.

A gas sample was extracted at a constant rate from the source. Moisture was removed from the sample stream by a series of pre-weighed impingers immersed in an ice bath. A minimum of 21 dry standard cubic feet of flue gas was collected during each sample run.

4.5 Moisture Determination by USEPA Method 320.

Per Section 16.3 of Method 4, this method is an applicable alternative for the determination of the moisture content of stack gas. Please refer to Section 4.4 for additional detail.

4.6 Filterable PM Determination by USEPA Method 5

This method is applicable for the determination of PM emissions from stationary sources. USEPA Methods 2-4 were performed concurrently with, and as an integral part of, these determinations.

Flue gas was withdrawn isokinetically from the source at traverse points determined per USEPA Method 1, and PM was collected in the nozzle, probe liner, and on a glass fiber filter. The probe liner and filter were maintained at a temperature of 120+14°C (248 +/- 25°F). The PM mass, which included any material that condensed at or above the filtration temperature, was determined gravimetrically after the removal of uncombined water.

4.7 Trace Metals Determination by USEPA Method 29

This method is applicable for the determination of metals emissions from stationary sources. This method may be used to determine particulate emissions in addition to the metals emissions if the prescribed procedures and precautions are followed. USEPA Methods 2-4 were performed concurrently with, and as an integral part of these determinations.

Flue gas was withdrawn isokinetically from the source at traverse points determined per USEPA Method 1 through a nozzle, probe liner, glass fiber filter and a series of impingers. The probe liner and filter were maintained at a temperature of 120±14°C (248 +/- 25°F). Particle-bound metals were collected in the nozzle, probe on the filter. Gaseous metals were collected in a solution of nitric acid and hydrogen peroxide (analyzed for all metals including Hg) and a solution of acidified potassium permanganate (analyzed only for Hg).

The recovered samples were analyzed using the techniques identified in the appended analytical report.

4.8 Formaldehyde Determination by USEPA Method 320

This method applies to the analysis of vapor phase organic or inorganic compounds which absorb energy in the mid-infrared spectral region, about 400 to 4000 cm^{-1} (25 to 2.5µm). This method is used to determine compound-specific concentrations in a multi-component vapor phase sample, which is contained in a closed-path gas cell. Spectra of samples are collected using double beam infrared absorption spectroscopy. A computer program is used to analyze spectra and report compound concentrations.

A Spectrum WaveRunIR™ FTIR spectrometer was used for this test program. This device utilizes a liquid nitrogen-cooled, 2-color detector (MCT/InSb sandwich) and a 10.6 meter heated fixed-path sample cell. The 2-color detector has much better sensitivity than traditional detectors in the 2200-5000 cm^{-1} region where formaldehyde absorbs. The spectral resolution is 0.5 cm^{-1} (wavenumbers). The instrument was calibrated using a digital library of reference spectra, and all measurements and analytical results were recorded and stored digitally.

Flue gas was transported to the analyzer via a heated, extractive sample system with temperature maintained greater than 250°F. After assembly and warm-up, the sample system was checked for leaks by capping the end of the sample probe and verifying that no sample flowed through the system via an in-line rotameter.

Instrument and sample system responses to calibration gas were verified on-site using:

1. A calibration transfer standard (CTS) gas (ppm-range Ethylene in nitrogen),
2. A Nitrogen zero gas,
3. A CH_2O gas standard with a tracer component (ppm-range sulfur hexafluoride in nitrogen)
4. A HCL gas standard with a tracer component (ppm-range sulfur hexafluoride in nitrogen)
5. A HF gas standard with a tracer component (ppm-range sulfur hexafluoride in nitrogen)

Matrix spiking using the tracer components was also performed and EPA Method 301 Validation testing was completed for each FTIR test parameter for both Natural Gas and Fuel Oil Firing Conditions. Those data are provided in the Quality Assurance Data Appendix.

The FTIR Classical Least Squares (CLS) approach was used to calculate the concentrations of target compounds on a wet basis and the residual, which is the error associated with each reported concentration. If the measured concentration was less than the minimum detection limit (MDL), the value is considered a non-detect and is reported as "<MDL".

TRC also implemented the following procedures from the Electric Power Research Institute (EPRI) document "FTIR Field Test Protocol" which specifically applies to low-level formaldehyde testing at CT sources:

- Use an FTIR instrument with a demonstrated formaldehyde detection limit less than approximately 1/3 of the compliance level.
- Use clean sampling equipment (heated probe/filter, sample line and pump manifold) to minimize system bias.
- Verify stability of the FTIR and sample system via periodic baseline checks prior to the first test run.
- Confirm that the FTIR pressure sensor measures correctly at the test location by comparing to a calibrated barometer.
- Use FTIR scan durations of 5 minutes with backgrounds measured for 10 minutes.
- Generate and analyze a Source Specific Water Standard during the test program. This Standard matched the moisture level moisture of the turbine emission matrix to within ±10%. The resulting spectrum was incorporated into the FTIR analytical method to minimize water interference.
- Determine instrument Detection Limit (DL) using 3 times the standard deviation of 8 consecutive direct measurements of zero gas for the same duration as the source measurements (3-5 minutes). Apply the same approach to determine in-stack DL.
- Use formaldehyde gases for calibration and spiking with certified accuracy of ±5%.
- Perform Formaldehyde spiking once for each CT tested with a dilution ratio exceeding 10:1. If the concentration of formaldehyde in the exhaust gas is below the in-stack DL, the spike concentration was approximately 50% of the applicable standard.
- Measure a final background spectrum at the conclusion of the test. The final spectrum was used to correct test data if background deviations observed during the test are greater than ±5% in an analytical region (absorbance of 0.021 to -0.022).

The analysis was confirmed by manual subtraction of the measured compounds from a representative spectrum. This confirmation served to validate the computerized FTIR analysis.

5.0 QUALITY ASSURANCE PROCEDURES

TRC integrates our Quality Management System (QMS) into every aspect of our testing service. We follow the procedures specified in current published versions of the test Method(s) referenced in this report. Any modifications or deviations are specifically identified in the body of the report. We routinely participate in independent, third-party audits of our activities, and maintain:

- Accreditation from the Louisiana Environmental Laboratory Accreditation Program (LELAP).
- Accreditation from the Stack Testing Accreditation Council (STAC) and the American Association for Laboratory Accreditation (A2LA) that our operations conform with the requirements of ASTM D 7036 as an Air Emission Testing Body (AETB).

These accreditations demonstrate that our systems for training, equipment maintenance and calibration, document control and project management will fully ensure that project objectives are achieved in a timely and efficient manner with a strict commitment to quality.

All calibrations are performed in accordance with the test Method(s) identified in this report. If a Method allows for more than one calibration approach, or if approved alternatives are available, the calibration documentation in the appendices specifies which approach was used. All measurement devices are calibrated or verified at set intervals against standards traceable to the National Institute of Standards and Technology (NIST). NIST traceability information is available upon request.

ASTM D7036-04 specifies that: *"AETBs shall have and shall apply procedures for estimating the uncertainty of measurement. Conformance with this section may be demonstrated by the use of approved test protocols for all tests. When such protocols are used, reference shall be made to published literature, when available, where estimates of uncertainty for test methods may be found."* TRC conforms with this section by using approved test protocols for all tests.

6.0 TEST RESULTS SUMMARY

Table 6.1 CT Unit 1 (Firing Natural Gas)- Detailed Summary of Method 320 and Method 10 Results

Client: Georgia Power
Facility: Plant McIntosh
Technicians: JSG, WM
Project Number: 491281.0000.0000

SOURCE	Unit 1 Natural Gas							
TEST RUN	1	2	3	4	5	6	7	AVERAGE
Date	9/15/2022	9/15/2022	9/15/2022	9/15/2022	9/15/2022	9/15/2022	9/15/2022	
Start Time	9:20	10:30	11:48	13:11	14:42	16:11	17:29	
Stop Time	10:20	11:30	12:48	14:11	15:42	17:11	18:29	
Process Data								
Unit Load (MW)	75.50	75.54	75.50	75.45	75.47	75.51	75.52	**75.5**
Fuel Flow (SCFH)	1,000,036	1,000,189	1,003,450	1,001,937	1,002,007	1,000,940	1,000,922	**1,001,355**
Fuel Oil Flow (GPM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Firing Rate (MMBTU/Hr)	110,004	110,021	110,380	110,213	110,221	110,103	110,101	**110,149**
Exhaust Volumetric Flow Rate								
Qstd (std ft3/min):	631,435	631,435	604,860	604,860	628,546	628,546	628,546	**622,604**
Qstd(dry) (dry std ft3/min):	556,606	556,606	532,264	532,264	554,104	554,104	554,104	**548,579**
Exhaust Concentrations								
O_2 (vol %, dry)	14.79	14.74	14.71	14.70	14.69	14.71	14.73	**14.73**
CO_2 (vol %, wet)	3.46	3.47	3.47	3.47	3.47	3.48	3.47	**3.47**
CO (ppmv, dry)	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	**< 0.10**
H_2O (vol %, wet)	12.64	12.24	12.51	12.50	12.48	12.46	12.51	**12.48**
Formaldehyde (ppmv, wet)	< 0.0149	< 0.0149	< 0.0149	< 0.0149	< 0.0149	< 0.0149	< 0.0149	**< 0.0149**
Formaldehyde (ppmv, dry)	< 0.0171	< 0.0170	< 0.0170	< 0.0170	< 0.0170	< 0.0170	< 0.0170	**< 0.0170**
HCl (ppmv, wet)	0.105	0.086	0.078	0.075	0.067	0.061	0.061	**0.076**
HCl (ppmv, dry)	0.120	0.098	0.090	0.085	0.077	0.069	0.069	**0.087**
HF (ppmv, wet)	0.590	0.567	0.614	0.623	0.611	0.622	0.615	**0.606**
HF (ppmv, dry)	0.675	0.646	0.702	0.712	0.698	0.711	0.702	**0.692**
Emmission Rates								
CO (ppmv,dry @ 15% O_2)	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	**< 0.10**
Formaldehyde (ppmv,dry @ 15% O_2)	< 0.0165	< 0.0163	< 0.0162	< 0.0162	< 0.0162	< 0.0162	< 0.0163	**< 0.0163**
HCl (ppmv,dry @ 15% O_2)	0.12	0.09	0.09	0.08	0.07	0.07	0.07	**0.08**
HF (ppmv,dry @ 15% O_2)	0.65	0.62	0.67	0.68	0.66	0.68	0.67	**0.66**
Emmission Rates								
CO (lb/hr)	< 0.00031	< 0.00031	< 0.000296	< 0.000296	< 0.00031	< 0.00031	< 0.00031	**< 0.00031**
Formaldehyde (lb/hr)	< 0.0444	< 0.0442	< 0.0424	< 0.0424	< 0.0441	< 0.0441	< 0.0441	**< 0.0437**
HCl (lb/hr)	0.380	0.309	0.271	0.258	0.241	0.218	0.218	**0.271**
HF (lb/hr)	1.17	1.12	1.16	1.18	1.21	1.23	1.21	**1.18**

Table 6.2 CT Unit 1 (Firing Natural Gas)- Detailed Summary of Method 5 and 29 Results

METHOD 29 - METAL TEST RESULTS SUMMARY
CT Unit 1 Natural Gas

Run No:	1	2	3	4	5	6	7	Average
Date:	9/14/22	9/14/22	9/15/22	9/15/22	9/15/22	9/16/22	9/16/22	
Start Time:	7:15	12:10	7:15	10:53	14:29	8:00	12:30	
End Time:	11:55	16:46	10:51	14:25	17:56	12:24	16:07	
Run Duration (min):	240.0	240.0	192.0	192.0	192.0	240.0	192.0	
Fixed Gas Content:								
CO_2 (% vol)	3.5	3.6	3.4	3.5	3.5	3.5	3.5	3.5
O_2 (% vol)	14.8	14.6	14.8	14.7	14.7	14.7	14.6	14.7
Fractional Moisture Content:	0.115	0.114	0.119	0.120	0.118	0.105	0.113	0.115
Sample Volume, $V_{m(std)}$								
(dry std ft^3):	206.334	205.293	170.486	165.348	176.536	198.758	168.454	184.458
(dry std m^3):	5.843	5.813	4.828	4.682	4.999	5.628	4.770	5.223
Measured Volumetric Flow Rate								
Q_{std} (std ft^3/min):	609,424	595,332	631,435	604,860	628,546	609,233	620,704	614,219
$Q_{std(dry)}$ (dry std ft^3/min):	539,485	527,256	556,606	532,264	554,104	545,163	550,765	543,663
Net Mass Collected (µg)								
Arsenic:	1.96 [2]	1.96 [2]	1.96 [2]	1.96 [2]	1.96 [2]	1.96 [2]	1.96 [2]	1.96 BDL
Beryllium:	0.063 [2]	0.063 [2]	0.063 [2]	0.063 [2]	0.063 [2]	0.063 [2]	0.063 [2]	0.063 BDL
Cadmium:	0.357 [1]	0.377 [1]	0.327 [1]	0.298 [2]	0.323 [1]	0.438 [1]	0.841 [1]	0.423 DLL
Chromium:	7.395	5.565	5.485	4.366	6.156	4.235	4.99	5.46 ADL
Cobalt:	2.16 [1]	2.10 [2]	2.10 [2]	2.10 [2]	2.10 [2]	2.10 [2]	2.11 [1]	2.11 DLL
Mercury:	0.6030 [1]	0.4230 [1]	0.5006 [2]	0.9340 [2]	0.4858 [2]	0.4948 [2]	0.4968 [2]	0.563 DLL
Manganese:	4.695	3.595	7.865	7.625	2.08	3.205	136	23.6 ADL
Nickel:	4.74	4.49	2.82	2.05	1.87	2.89	1.68	2.93 ADL
Lead:	2.76 [1]	1.94 [1]	1.42 [2]	1.42 [2]	1.42 [2]	1.65 [1]	3.05	1.95 DLL
Antimony:	2.1 [1]	2.06 [1]	2.15 [1]	2.26 [1]	2.04 [1]	2.16 [1]	2.77 [1]	2.22 DLL
Selenium:	10.3 [1]	3.52 [1]	2.77 [1]	2.01 [1]	2.59 [1]	1.79 [1]	2.39 [1]	3.62 DLL
Metals Emission Rate (lb/hr)								
Arsenic:	6.78E-04 [2]	6.66E-04 [2]	8.46E-04 [2]	8.35E-04 [2]	8.14E-04 [2]	7.11E-04 [2]	8.48E-04 [2]	7.71E-04 BDL
Beryllium:	2.18E-05 [2]	2.14E-05 [2]	2.72E-05 [2]	2.68E-05 [2]	2.62E-05 [2]	2.29E-05 [2]	2.72E-05 [2]	2.48E-05 BDL
Cadmium:	1.23E-04 [1]	1.28E-04 [1]	1.41E-04 [1]	1.27E-04 [2]	1.34E-04 [1]	1.59E-04 [1]	3.64E-04 [1]	1.68E-04 DLL
Chromium:	2.56E-03	1.89E-03	2.37E-03	1.86E-03	2.56E-03	1.54E-03	2.16E-03	2.13E-03 ADL
Cobalt:	7.45E-04 [1]	7.13E-04 [2]	9.07E-04 [2]	8.94E-04 [2]	8.72E-04 [2]	7.62E-04 [2]	9.13E-04 [1]	8.30E-04 DLL
Mercury:	2.09E-04 [1]	1.44E-04 [1]	2.16E-04 [2]	3.98E-04 [2]	2.02E-04 [2]	1.80E-04 [2]	2.15E-04 [2]	2.23E-04 DLL
Manganese:	1.62E-03	1.22E-03	3.40E-03	3.25E-03	8.62E-04	1.16E-03	5.88E-02	1.00E-02 ADL
Nickel:	1.64E-03	1.53E-03	1.22E-03	8.75E-04	7.75E-04	1.05E-03	7.24E-04	1.11E-03 ADL
Lead:	9.55E-04 [1]	6.58E-04 [1]	6.13E-04 [2]	6.05E-04 [2]	5.90E-04 [2]	5.99E-04 [1]	1.32E-03	7.62E-04 DLL
Antimony:	7.26E-04 [1]	7.00E-04 [1]	9.28E-04 [1]	9.62E-04 [1]	8.47E-04 [1]	7.84E-04 [1]	1.20E-03 [1]	8.78E-04 DLL
Selenium:	3.56E-03 [1]	1.20E-03 [1]	1.20E-03 [1]	8.55E-04 [1]	1.08E-03 [1]	6.50E-04 [1]	1.03E-03 [1]	1.37E-03 DLL
Total Metals (lb/hr):	1.28E-02 [1]	8.86E-03 [1]	1.19E-02 [1]	1.07E-02 [1]	8.75E-03 [1]	7.61E-03 [1]	6.76E-02 [1]	4.71E-01 DLL
Total Non-Mercury Metals (lb/hr):	1.26E-02 [1]	8.72E-03 [1]	1.16E-02 [1]	1.03E-02 [1]	8.55E-03 [1]	7.43E-03 [1]	6.74E-02 [1]	4.71E-01 DLL
Metals Concentration (mg/dscm @ 15% O_2)								
Arsenic:	3.22E-04 [2]	3.17E-04 [2]	3.93E-04 [2]	4.00E-04 [2]	3.74E-04 [2]	3.30E-04 [2]	3.82E-04 [2]	3.60E-04 BDL
Beryllium:	1.03E-05 [2]	1.02E-05 [2]	1.26E-05 [2]	1.29E-05 [2]	1.20E-05 [2]	1.06E-05 [2]	1.23E-05 [2]	1.16E-05 BDL
Cadmium:	5.86E-05 [1]	6.10E-05 [1]	6.56E-05 [1]	6.08E-05 [2]	6.16E-05 [1]	7.37E-05 [1]	1.64E-04 [1]	7.79E-05 DLL
Chromium:	1.21E-03	9.01E-04	1.10E-03	8.91E-04	1.17E-03	7.13E-04	9.72E-04	9.95E-04 ADL
Cobalt:	3.54E-04 [1]	3.40E-04 [2]	4.21E-04 [2]	4.29E-04 [2]	4.00E-04 [2]	3.53E-04 [2]	4.12E-04 [1]	3.87E-04 DLL
Mercury:	9.90E-05 [1]	6.85E-05 [1]	1.00E-04 [2]	1.91E-04 [2]	9.26E-05 [2]	8.33E-05 [2]	9.69E-05 [2]	1.04E-04 DLL
Manganese:	7.71E-04	5.82E-04	1.58E-03	1.56E-03	3.96E-04	5.39E-04	2.65E-02	4.57E-03 ADL
Nickel:	7.78E-04	7.27E-04	5.66E-04	4.19E-04	3.56E-04	4.86E-04	3.27E-04	5.23E-04 ADL
Lead:	4.53E-04 [1]	3.14E-04 [1]	2.85E-04 [2]	2.90E-04 [2]	2.71E-04 [2]	2.78E-04 [1]	5.94E-04	3.55E-04 DLL
Antimony:	3.45E-04 [1]	3.34E-04 [1]	4.31E-04 [1]	4.61E-04 [1]	3.89E-04 [1]	3.64E-04 [1]	5.40E-04 [1]	4.09E-04 DLL
Selenium:	1.69E-03 [1]	5.70E-04 [1]	5.56E-04 [1]	4.10E-04 [1]	4.94E-04 [1]	3.01E-04 [1]	4.66E-04 [1]	6.41E-04 DLL
Total Metals (mg/dscm) @15% O_2	6.09E-03 [1]	4.22E-03 [1]	5.51E-03 [1]	5.12E-03 [1]	4.02E-03 [1]	3.53E-03 [1]	3.05E-02 [1]	5.04E-01 DLL
otal Non-Mercury Metals (mg/dscm)@15% O_2	5.99E-03 [1]	4.16E-03 [1]	5.41E-03 [1]	4.93E-03 [1]	3.93E-03 [1]	3.45E-03 [1]	3.04E-02 [1]	5.04E-01 DLL
Isokinetic Variation (%):	101.6	103.4	101.7	103.1	105.7	96.8	101.5	102.0

1 - The mass at least one of the sample fractions was below the analytical detection limit

2 - The mass in all of the sample fractions was below the analytical detection limit

ADL - all analytical values used to calculate and report an in-stack emissions value are greater than the laboratory's reported detection level(s)

DLL - at least one, but not all values used to calculate and report an in-stack emissions value are greater than the laboratory's reported detection level(s)

BDL - all analytical values used to calculate and report an in-stack emissions value are less than the laboratory's reported detection level(s)

METHOD 5 - PARTICULATE TEST RESULTS SUMMARY

CT Unit 1 Natural Gas

Test Run Number:	1	2	3	4	5	6	7	Average
Source Condition:	Max	Max	Max	Max	Max	Max	Max	
Date:	9/14/2022	9/14/2022	9/15/2022	9/15/2022	9/15/2022	9/16/2022	9/16/2022	
Start Time:	7:15	12:10	7:15	10:53	14:29	8:00	12:30	
End Time:	11:55	16:46	10:51	14:25	17:56	12:24	16:07	
Sample Duration (min):	240.0	240.0	192.0	192.0	192.0	240.0	192.0	212.57
Average Gas Temp, T_s, (^oF):	936.7	963.2	925.3	953.1	945.6	940.4	953.0	945.3
Average Gas Temp, T_s, (^oC):	502.6	517.3	496.3	511.7	507.6	504.7	511.7	507.4
Fractional Gas Moisture Content, B_{ws}:	0.115	0.114	0.119	0.120	0.118	0.105	0.113	0.115
Gas CO_2 Content (%vol):	3.5	3.6	3.4	3.5	3.5	3.5	3.5	3.5
Gas O_2 Content (%vol):	14.8	14.6	14.8	14.7	14.7	14.7	14.6	14.7
Gas Wet MW, M_s, (lb/lb-mole):	27.87	27.88	27.82	27.81	27.83	27.97	27.89	27.87
Average Gas Velocity, V_s, (ft/sec):	143.07	142.36	146.73	143.37	148.25	142.63	146.62	144.72
Average Gas Velocity V_s, (m/sec):	43.61	43.39	44.72	43.70	45.19	43.47	44.69	44.11
Measured Volumetric Flow Rate:								
Q (actual ft^3/min):	1,619,777	1,611,720	1,661,178	1,623,139	1,678,453	1,614,760	1,659,994	1,638,431
Q_{std} (std ft^3/min):	609,424	595,332	631,435	604,860	628,546	609,233	620,704	614,219
$Q_{std(dry)}$ (dry std ft^3/min):	539,485	527,256	556,606	532,264	554,104	545,163	550,765	543,663
Q_m (actual m^3/min):	45,867	45,639	47,040	45,962	47,529	45,725	47,006	46,395
Q_{stdm} (std. m^3/min):	17,257	16,851	17,873	17,121	17,799	17,245	17,570	17,388
$Q_{stdm(dry)}$ (dry std. m^3/min):	15,277	14,924	15,755	15,066	15,691	15,431	15,590	15,391
Sample Volume, $V_{m(std)}$, (dry std ft^3):	206.334	205.293	170.486	165.348	176.536	198.758	168.454	184.458
Sample Volume, $V_{m(std)(metric)}$, (dry std. m^3):	5.843	5.813	4.828	4.682	4.999	5.628	4.770	5.223
PM Collected, m_n, (mg):								
Filterable	3.16 [1]	35.49	3.61 [1]	2.68 [1]	1.75 [1]	3.54	2.98	7.60 DLL
PM Concentration, C_s, (gr/dscf):								
Filterable	2.36E-04 [1]	2.67E-03	3.27E-04 [1]	2.50E-04 [1]	1.53E-04 [1]	2.75E-04	2.73E-04	5.97E-04 DLL
PM Concentration, Ccorr., (gr/dscf corrected to 15% O_2):								
Filterable	2.27E-04 [1]	2.51E-03	3.16E-04 [1]	2.39E-04 [1]	1.46E-04 [1]	2.60E-04	2.54E-04	5.65E-04 DLL
Isokinetic Variance (I)	101.6	103.4	101.7	103.1	105.7	96.8	101.5	102.0

1 - The mass at least one of the sample fractions was below the analytical detection limit

2 - The mass in all of the sample fractions was below the analytical detection limit

ADL - all analytical values used to calculate and report an in-stack emissions value are greater than the laboratory's reported detection level(s)

DLL - at least one, but not all values used to calculate and report an in-stack emissions value are greater than the laboratory's reported detection level(s)

BDL - all analytical values used to calculate and report an in-stack emissions value are less than the laboratory's reported detection level(s)

Table 6.3 CT Unit 1 (Firing Oil)- Detailed Summary of Method 320 and Method 10 Results

Client: Georgia Power
Facility: Plant McIntosh
Technicians: JSG, WM
Project Number: 491281.0000.0000

SOURCE	Unit 1 Fuel Oil							
TEST RUN	1	2	3	4	5	6	7	AVERAGE
Date	9/17/2022	9/17/2022	9/17/2022	9/17/2022	9/17/2022	9/17/2022	9/17/2022	
Start Time	8:32	9:42	10:52	12:11	13:25	14:35	15:44	
Stop Time	9:32	10:42	11:52	13:11	14:25	15:35	16:44	
Process Data								
Unit Load (MW)	75.47	75.49	75.48	75.52	75.52	75.51	75.54	**75.5**
Fuel Flow (SCFH)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Fuel Oil Flow (GPM)	122.91	123.80	124.01	123.45	123.65	124.27	123.60	**123.67**
Firing Rate (MMBTU/Hr)	1,076.7	1,084.5	1,086.3	1,081.5	1,083.2	1,088.6	1,082.7	**1,083.4**
Exhaust Volumetric Flow Rate								
Qstd (std ft3/min):	627,972	627,972	627,972	627,972	622,918	622,918	622,918	**625,806**
Qstd(dry) (dry std ft3/min):	563,041	563,041	563,041	563,041	557,235	557,235	557,235	**560,553**
Exhaust Concentrations								
O_2 (vol %, dry)	14.45	14.44	14.39	14.37	14.38	14.36	14.36	**14.39**
CO_2 (vol %, wet)	4.56	4.58	4.60	4.60	4.64	4.64	4.63	**4.61**
CO (ppmv, dry)	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	**< 0.10**
H_2O (vol %, wet)	10.43	10.45	10.34	10.70	10.37	10.44	10.75	**10.50**
Formaldehyde (ppmv, wet)	< 0.0063	< 0.0063	< 0.0063	< 0.0063	< 0.0063	< 0.0063	< 0.0063	**< 0.0063**
Formaldehyde (ppmv, dry)	< 0.0070	< 0.0070	< 0.0070	< 0.0071	< 0.0070	< 0.0070	< 0.0071	**< 0.0070**
HCl (ppmv, wet)	0.056	< 0.039	< 0.039	< 0.039	< 0.039	< 0.039	< 0.039	**< 0.041**
HCl (ppmv, dry)	0.063	0.044	0.043	0.044	0.044	0.044	0.044	**0.046**
HF (ppmv, wet)	0.776	0.768	0.773	0.772	0.786	0.792	0.776	**0.778**
HF (ppmv, dry)	0.867	0.858	0.862	0.865	0.877	0.884	0.869	**0.869**
Emmission Rates								
CO (ppmv,dry @ 15% O_2)	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	**< 0.09**
Formaldehyde (ppmv,dry @ 15% O_2)	< 0.0064	< 0.0064	< 0.0064	< 0.0064	< 0.0064	< 0.0063	< 0.0064	**< 0.0064**
HCl (ppmv,dry @ 15% O_2)	0.06	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	**< 0.04**
HF (ppmv,dry @ 15% O_2)	0.79	0.78	0.78	0.78	0.79	0.80	0.78	**0.79**
Emmission Rates								
CO (lb/hr)	< 0.00031	< 0.00031	< 0.000313	< 0.000313	< 0.00031	< 0.00031	< 0.00031	**< 0.00031**
Formaldehyde (lb/hr)	< 0.0185	< 0.0185	< 0.0185	< 0.0186	< 0.0183	< 0.0183	< 0.0184	**< 0.0185**
HCl (lb/hr)	0.200	< 0.139	< 0.139	< 0.140	< 0.138	< 0.138	< 0.138	**< 0.147**
HF (lb/hr)	1.52	1.50	1.51	1.52	1.52	1.54	1.51	**1.52**

Table 6.4 CT Unit 1 (Firing Oil)- Detailed Summary of Method 5 and 29 Results

METHOD 29 - METAL TEST RESULTS SUMMARY
CT Unit 1 Fuel Oil

Run No:	1	2	3	4	5	6	7	Average
Date:	9/17/22	9/17/22	9/19/22	9/19/22	9/19/22	9/20/22	9/20/22	
Start Time:	8:37	12:23	7:31	11:32	15:08	8:04	12:57	
End Time:	12:07	15:58	11:03	15:04	18:58	11:48	16:31	
Run Duration (min):	192.0	192.0	192.0	192.0	192.0	192.0	192.0	
Fixed Gas Content:								
CO_2 (% vol)	4.7	4.6	4.5	4.6	4.6	4.6	4.6	4.6
O_2 (% vol)	14.4	14.4	14.6	14.5	14.6	14.4	14.3	14.5
Fractional Moisture Content:	0.103	0.105	0.108	0.102	0.108	0.107	0.107	0.106
Sample Volume, $V_{m(std)}$								
(dry std ft^3):	162.311	166.343	167.625	168.220	160.989	163.945	165.437	164.982
(dry std m^3):	4.596	4.710	4.747	4.763	4.559	4.642	4.685	4.672
Measured Volumetric Flow Rate								
Q_{std} (std ft^3/min):	627,972	622,918	630,465	600,076	594,373	610,952	609,927	613,812
$Q_{std(dry)}$ (dry std ft^3/min):	563,041	557,235	562,669	538,680	530,059	545,689	544,730	548,872
Net Mass Collected (µg)								
Arsenic:	1.96 [2]	1.96 [2]	1.96 [2]	1.96 [2]	1.96 [2]	1.96 [2]	1.96 [2]	1.96 BDL
Beryllium:	0.06 [2]	0.063 [2]	0.063 [2]	0.063 [2]	0.063 [2]	0.063 [2]	0.063 [2]	0.063 BDL
Cadmium:	0.301 [1]	0.368 [1]	0.298 [2]	0.302 [1]	0.298 [1]	0.388 [1]	0.298 [2]	0.322 DLL
Chromium:	4.13	3.39	4.755	4.13	4.194	3.127	3.179	3.84 ADL
Cobalt:	2.10 [2]	2.10 [2]	2.10 [2]	2.10 [2]	2.10 [2]	2.10 [2]	2.10 [2]	2.10 BDL
Mercury:	0.4948 [2]	0.4948 [2]	0.5032 [2]	0.4956 [2]	0.4994 [2]	0.4808 [2]	0.4962 [2]	0.495 BDL
Manganese:	2.18	12.0	4.325	10.1	3.10	3.82	1.47	5.28 ADL
Nickel:	1.93	1.91	1.62	1.79	2.03	1.31	1.29	1.70 ADL
Lead:	1.42 [2]	1.42 [2]	1.42 [2]	1.42 [2]	1.42 [2]	1.42 [2]	1.42 [2]	1.42 BDL
Antimony:	1.94 [2]	2.14 [1]	2.18 [1]	2.37 [1]	0.840 [1]	0.840 [1]	0.840 [1]	1.59 DLL
Selenium:	1.75 [1]	2.85 [1]	1.71 [2]	2.30 [1]	1.71 [2]	1.71 [1]	1.71 [2]	1.96 DLL
Metals Emission Rate (lb/hr)								
Arsenic:	8.99E-04 [2]	8.68E-04 [2]	8.70E-04 [2]	8.30E-04 [2]	8.54E-04 [2]	8.63E-04 [2]	8.54E-04 [2]	8.63E-04 BDL
Beryllium:	2.89E-05 [2]	2.79E-05 [2]	2.80E-05 [2]	2.67E-05 [2]	2.74E-05 [2]	2.77E-05 [2]	2.74E-05 [2]	2.77E-05 BDL
Cadmium:	1.38E-04 [1]	1.63E-04 [1]	1.32E-04 [2]	1.28E-04 [1]	1.30E-04 [1]	1.71E-04 [1]	1.30E-04 [2]	1.42E-04 DLL
Chromium:	1.90E-03	1.50E-03	2.11E-03	1.75E-03	1.83E-03	1.38E-03	1.38E-03	1.69E-03 ADL
Cobalt:	9.64E-04 [2]	9.31E-04 [2]	9.32E-04 [2]	8.90E-04 [2]	9.15E-04 [2]	9.25E-04 [2]	9.15E-04 [2]	9.24E-04 DLL
Mercury:	2.27E-04 [2]	2.19E-04 [2]	2.23E-04 [2]	2.10E-04 [2]	2.17E-04 [2]	2.12E-04 [2]	2.16E-04 [2]	2.18E-04 DLL
Manganese:	9.98E-04	5.33E-03	1.92E-03	4.26E-03	1.35E-03	1.68E-03	6.38E-04	2.31E-03 ADL
Nickel:	8.84E-04	8.48E-04	7.21E-04	7.57E-04	8.85E-04	5.78E-04	5.63E-04	7.48E-04 ADL
Lead:	6.52E-04 [2]	6.29E-04 [2]	6.30E-04 [2]	6.01E-04 [2]	6.18E-04 [2]	6.25E-04 [2]	6.18E-04 [2]	6.25E-04 DLL
Antimony:	8.90E-04 [2]	9.48E-04 [1]	9.68E-04 [1]	1.00E-03 [1]	3.66E-04 [1]	3.70E-04 [1]	3.66E-04 [1]	7.02E-04 DLL
Selenium:	8.05E-04 [1]	1.26E-03 [1]	7.59E-04 [2]	9.73E-04 [1]	7.45E-04 [2]	7.53E-04 [1]	7.45E-04 [2]	8.63E-04 DLL
Total Metals (lb/hr):	8.38E-03 [1]	1.27E-02 [1]	9.30E-03 [1]	1.14E-02 [1]	7.93E-03 [1]	7.58E-03 [1]	6.46E-03 [1]	4.66E-01 DLL
Total Non-Mercury Metals (lb/hr):	8.15E-03 [1]	1.25E-02 [1]	9.07E-03 [1]	1.12E-02 [1]	7.71E-03 [1]	7.37E-03 [1]	6.24E-03 [1]	4.66E-01 DLL
Metals Concentration (mg/dscm @ 15% O_2)								
Arsenic:	3.87E-04 [2]	3.76E-04 [2]	3.84E-04 [2]	3.79E-04 [2]	4.01E-04 [2]	3.85E-04 [2]	3.76E-04 [2]	3.84E-04 BDL
Beryllium:	1.24E-05 [2]	1.21E-05 [2]	1.23E-05 [2]	1.22E-05 [2]	1.29E-05 [2]	1.24E-05 [2]	1.21E-05 [2]	1.23E-05 BDL
Cadmium:	5.94E-05 [1]	7.06E-05 [1]	5.84E-05 [2]	5.83E-05 [1]	6.10E-05 [1]	7.63E-05 [1]	5.72E-05 [2]	6.30E-05 DLL
Chromium:	5.94E-05 [1]	7.06E-05 [1]	5.84E-05 [2]	5.83E-05	8.59E-04	6.15E-04	6.11E-04	3.33E-04 ADL
Cobalt:	4.14E-04 [2]	4.03E-04 [2]	4.11E-04 [2]	4.06E-04 [2]	4.30E-04 [2]	4.13E-04 [2]	4.03E-04 [2]	4.12E-04 DLL
Mercury:	9.77E-05 [2]	9.49E-05 [2]	9.85E-05 [2]	9.57E-05 [2]	1.02E-04 [2]	9.45E-05 [2]	9.53E-05 [2]	9.70E-05 DLL
Manganese:	4.29E-04	2.31E-03	8.47E-04	1.94E-03	6.34E-04	7.50E-04	2.81E-04	1.03E-03 ADL
Nickel:	3.80E-04	3.67E-04	3.18E-04	3.45E-04	4.16E-04	2.58E-04	2.48E-04	3.33E-04 ADL
Lead:	2.80E-04 [2]	2.72E-04 [2]	2.78E-04 [2]	2.74E-04 [2]	2.91E-04 [2]	2.79E-04 [2]	2.73E-04 [2]	2.78E-04 DLL
Antimony:	3.83E-04 [2]	4.10E-04 [1]	4.27E-04 [1]	4.58E-04 [1]	1.72E-04 [1]	1.65E-04 [1]	1.61E-04 [1]	3.11E-04 DLL
Selenium:	3.46E-04 [1]	5.47E-04 [1]	3.35E-04 [2]	4.44E-04 [1]	3.50E-04 [2]	3.36E-04 [1]	3.28E-04 [2]	3.84E-04 DLL
Total Metals (mg/dscm) @15% O_2	2.85E-03 [1]	4.93E-03 [1]	3.23E-03 [1]	4.47E-03 [1]	3.73E-03 [1]	3.39E-03 [1]	2.85E-03 [1]	5.02E-01 DLL
otal Non-Mercury Metals (mg/dscm)@15% O_2	2.75E-03 [1]	4.83E-03 [1]	3.13E-03 [1]	4.38E-03 [1]	3.63E-03 [1]	3.29E-03 [1]	2.75E-03 [1]	5.02E-01 DLL
Isokinetic Variation (%):	95.7	99.1	98.9	103.6	100.8	99.7	100.8	99.8

1 - The mass at least one of the sample fractions was below the analytical detection limit

2 - The mass in all of the sample fractions was below the analytical detection limit

ADL - all analytical values used to calculate and report an in-stack emissions value are greater than the laboratory's reported detection level(s)

DLL - at least one, but not all values used to calculate and report an in-stack emissions value are greater than the laboratory's reported detection level(s)

BDL - all analytical values used to calculate and report an in-stack emissions value are less than the laboratory's reported detection level(s)

METHOD 5 - PARTICULATE TEST RESULTS SUMMARY

CT Unit 1 Fuel Oil

Test Run Number:	1	2	3	4	5	6	7	Average
Source Condition:	Max	Max	Max	Max	Max	Max	Max	
Date:	9/17/2022	9/17/2022	9/19/2022	9/19/2022	9/19/2022	9/20/2022	9/20/2022	
Start Time:	8:37	12:23	7:31	11:32	15:08	8:04	12:57	
End Time:	12:07	15:58	11:03	15:04	18:58	11:48	16:31	
Sample Duration (min):	192.0	192.0	192.0	192.0	192.0	192.0	192.0	192.00
Average Gas Temp, T_s, (^oF):	963.9	968.8	943.9	963.5	958.2	955.0	971.5	960.7
Average Gas Temp, T_s, (^oC):	517.7	520.4	506.6	517.5	514.5	512.8	521.9	515.9
Fractional Gas Moisture Content, B_{ws}:	0.103	0.105	0.108	0.102	0.108	0.107	0.107	0.106
Gas CO_2 Content (%vol):	4.7	4.6	4.5	4.6	4.6	4.6	4.6	4.6
Gas O_2 Content (%vol):	14.4	14.4	14.6	14.5	14.6	14.4	14.3	14.5
Gas Wet MW, M_s, (lb/lb-mole):	28.16	28.12	28.09	28.16	28.09	28.10	28.10	28.12
Average Gas Velocity, V_s, (ft/sec):	147.40	148.86	148.79	143.59	141.75	145.33	146.77	146.07
Average Gas Velocity V_s, (m/sec):	44.93	45.37	45.35	43.77	43.21	44.30	44.74	44.52
Measured Volumetric Flow Rate:								
Q (actual ft^3/min):	1,668,761	1,685,313	1,684,527	1,625,698	1,604,844	1,645,326	1,661,672	1,653,735
Q_{std} (std ft^3/min):	627,972	622,918	630,465	600,076	594,373	610,952	609,927	613,812
$Q_{std(dry)}$ (dry std ft^3/min):	563,041	557,235	562,669	538,680	530,059	545,689	544,730	548,872
Q_m (actual m^3/min):	47,254	47,723	47,701	46,035	45,444	46,591	47,054	46,829
Q_{stdm} (std. m^3/min):	17,782	17,632	17,846	16,986	16,831	17,294	17,264	17,376
$Q_{stdm(dry)}$ (dry std. m^3/min):	15,944	15,773	15,927	15,248	15,010	15,446	15,419	15,538
Sample Volume, $V_{m(std)}$, (dry std ft^3):	162.311	166.343	167.625	168.220	160.989	163.945	165.437	164.982
Sample Volume, $V_{m(std)(metric)}$, (dry std. m^3):	4.596	4.710	4.747	4.763	4.559	4.642	4.685	4.672
PM Collected, m_n, (mg):								
Filterable	1.30 [1]	1.60	2.08 [1]	1.34 [1]	2.14 [1]	1.64 [1]	2.28	1.77 DLL
PM Concentration, C_s, (gr/dscf):								
Filterable	1.23E-04 [1]	1.48E-04	1.91E-04 [1]	1.22E-04 [1]	2.05E-04 [1]	1.54E-04 [1]	2.13E-04	1.65E-04 DLL
PM Concentration, Ccorr., (gr/dscf corrected to 15% O_2):								
Filterable	1.12E-04 [1]	1.34E-04	1.78E-04 [1]	1.13E-04 [1]	1.92E-04 [1]	1.41E-04 [1]	1.91E-04	1.51E-04 DLL
Isokinetic Variance (I)	95.7	99.1	98.9	103.6	100.8	99.7	100.8	99.8

1 - The mass at least one of the sample fractions was below the analytical detection limit

2 - The mass in all of the sample fractions was below the analytical detection limit

ADL - all analytical values used to calculate and report an in-stack emissions value are greater than the laboratory's reported detection level(s)

DLL - at least one, but not all values used to calculate and report an in-stack emissions value are greater than the laboratory's reported detection level(s)

BDL - all analytical values used to calculate and report an in-stack emissions value are less than the laboratory's reported detection level(s)

Table 6.5 CT Unit 2 (Firing Natural Gas)- Detailed Summary of Method 320 and Method 10 Results

Client: Georgia Power
Facility: Plant McIntosh
Technicians: JSG, WM
Project Number: 491281.0000.0000

SOURCE	Unit 2 Natural Gas							
TEST RUN	1	2	3	4	5	6	7	AVERAGE
Date	9/21/2022	9/21/2022	9/21/2022	9/21/2022	9/21/2022	9/21/2022	9/21/2022	
Start Time	8:56	10:06	11:32	12:47	14:14	15:23	16:32	
Stop Time	9:56	11:06	12:32	13:47	15:14	16:23	17:32	
Process Data								
Unit Load (MW)	75.80	75.80	75.80	75.84	75.83	75.78	75.81	**75.8**
Fuel Flow (SCFH)	993,003	991,467	990,810	989,724	989,062	987,994	988,155	**990,031**
Fuel Oil Flow (GPM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Firing Rate (MMBTU/Hr)	109,230	109,061	108,989	108,870	108,797	108,679	108,697	**108,903**
Exhaust Volumetric Flow Rate								
Qstd (std ft3/min):	617,580	617,580	617,580	594,662	594,662	594,662	594,662	**604,484**
Qstd(dry) (dry std ft3/min):	544,423	544,423	544,423	522,837	522,837	522,837	522,837	**532,089**
Exhaust Concentrations								
O_2 (vol %, dry)	14.53	14.43	14.39	14.35	14.35	14.36	14.38	**14.40**
CO_2 (vol %, wet)	3.53	3.59	3.61	3.61	3.62	3.62	3.61	**3.60**
CO (ppmv, dry)	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	**< 0.01**
H_2O (vol %, wet)	12.88	13.23	12.90	12.88	12.88	12.76	13.05	**12.94**
Formaldehyde (ppmv, wet)	< 0.0094	< 0.0094	< 0.0094	< 0.0094	< 0.0094	< 0.0094	< 0.0094	**< 0.0094**
Formaldehyde (ppmv, dry)	< 0.0108	< 0.0108	< 0.0108	< 0.0108	< 0.0108	< 0.0108	< 0.0108	**< 0.0108**
HCl (ppmv, wet)	0.329	0.142	0.130	0.090	0.069	0.064	0.064	**0.127**
HCl (ppmv, dry)	0.378	0.163	0.150	0.103	0.079	0.073	0.074	**0.146**
HF (ppmv, wet)	0.930	0.911	0.610	0.899	0.892	0.886	0.872	**0.857**
HF (ppmv, dry)	1.067	1.050	0.700	1.032	1.024	1.015	1.003	**0.985**
Emmission Rates								
CO (ppmv,dry @ 15% O_2)	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	**< 0.01**
Formaldehyde (ppmv,dry @ 15% O_2)	< 0.0100	< 0.0099	< 0.0098	< 0.0097	< 0.0097	< 0.0097	< 0.0098	**< 0.0098**
HCl (ppmv,dry @ 15% O_2)	0.35	0.15	0.14	0.09	0.07	0.07	0.07	**0.13**
HF (ppmv,dry @ 15% O_2)	0.99	0.96	0.63	0.93	0.92	0.92	0.91	**0.89**
Emmission Rates								
CO (lb/hr)	< 0.00003	< 0.00003	< 0.000030	< 0.000029	< 0.00003	< 0.00003	< 0.00003	**< 0.00003**
Formaldehyde (lb/hr)	< 0.0275	< 0.0276	< 0.0275	< 0.0264	< 0.0264	< 0.0264	< 0.0264	**< 0.0269**
HCl (lb/hr)	1.167	0.505	0.462	0.307	0.235	0.216	0.219	**0.445**
HF (lb/hr)	1.81	1.78	1.19	1.68	1.67	1.65	1.64	**1.63**

Table 6.6 CT Unit 2 (Firing Natural Gas)- Detailed Summary of Method 5 and 29 Results

METHOD 29 - METAL TEST RESULTS SUMMARY
CT Unit 2 Natural Gas

Run No:	1	2	3	4	5	Average
Date:	9/21/22	9/21/22	9/22/22	9/22/22	9/22/22	
Start Time:	8:57	12:43	7:56	11:30	15:44	
End Time:	12:39	16:30	11:28	15:24	19:15	
Run Duration (min):	192.0	192.0	192.0	192.0	192.0	
Fixed Gas Content:						
CO_2 (% vol)	3.6	3.6	3.6	3.6	3.6	3.6
O_2 (% vol)	14.4	14.4	14.3	14.3	14.3	14.4
Fractional Moisture Content:	0.118	0.121	0.126	0.128	0.130	0.125
Sample Volume, $V_{m(std)}$						
(dry std ft^3):	171.303	158.943	162.668	156.611	156.851	161.275
(dry std m^3):	4.851	4.501	4.606	4.435	4.442	4.567
Measured Volumetric Flow Rate						
Q_{std} (std ft^3/min):	617,580	594,662	600,674	605,380	575,234	598,706
$Q_{std(dry)}$ (dry std ft^3/min):	544,423	522,837	524,943	527,678	500,608	524,098
Net Mass Collected (µg)						
Arsenic:	1.96 [2]	1.96 [2]	1.96 [2]	1.96 [2]	1.96 [2]	1.96 BDL
Beryllium:	0.063 [2]	0.063 [2]	0.063 [2]	0.063 [2]	0.063 [2]	0.06 BDL
Cadmium:	0.298 [2]	0.538 [1]	0.395 [1]	0.298 [1]	0.298 [2]	0.365 DLL
Chromium:	7.395	50.0	8.7	5.59	5.50	15.4 ADL
Cobalt:	2.1 [2]	2.1 [2]	2.1 [2]	2.1 [2]	2.1 [2]	2.10 BDL
Mercury:	0.5036 [2]	0.4900 [2]	0.4880 [2]	0.5070 [2]	0.497 [2]	0.497 BDL
Manganese:	5.565	19.8	2.155	12.0	2.405	8.38 ADL
Nickel:	2.017	25.1	3.33 [1]	3.30	2.23	7.19 DLL
Lead:	1.42 [2]	1.42 [2]	1.42 [2]	1.42 [2]	1.42 [2]	1.42 BDL
Antimony:	2.04 [1]	2.06 [1]	2.06 [1]	1.99 [1]	2.12 [1]	2.05 DLL
Selenium:	2.24 [1]	1.71 [2]	1.971 [1]	1.71 [2]	2.10 [1]	1.95 DLL
Metals Emission Rate (lb/hr)						
Arsenic:	8.24E-04 [2]	8.53E-04 [2]	8.37E-04 [2]	8.74E-04 [2]	8.27E-04 [2]	8.43E-04 BDL
Beryllium:	2.65E-05 [2]	2.74E-05 [2]	2.69E-05 [2]	2.81E-05 [2]	2.66E-05 [2]	2.71E-05 BDL
Cadmium:	1.25E-04 [2]	2.34E-04 [1]	1.69E-04 [1]	1.33E-04 [1]	1.26E-04 [2]	1.57E-04 DLL
Chromium:	3.11E-03	2.18E-02	3.72E-03	2.49E-03	2.32E-03	6.68E-03 ADL
Cobalt:	8.83E-04 [2]	9.14E-04 [2]	8.96E-04 [2]	9.36E-04 [2]	8.87E-04 [2]	9.03E-04 DLL
Mercury:	2.12E-04 [2]	2.13E-04 [2]	2.08E-04 [2]	2.26E-04 [2]	2.10E-04 [2]	2.14E-04 DLL
Manganese:	2.34E-03	8.60E-03	9.20E-04	5.36E-03	1.02E-03	3.65E-03 ADL
Nickel:	8.48E-04	1.09E-02	1.42E-03 [1]	1.47E-03	9.42E-04	3.12E-03 ADL
Lead:	5.97E-04 [2]	6.18E-04 [2]	6.06E-04 [2]	6.33E-04 [2]	5.99E-04 [2]	6.11E-04 DLL
Antimony:	8.58E-04 [1]	8.96E-04 [1]	8.79E-04 [1]	8.87E-04 [1]	8.95E-04 [1]	8.83E-04 DLL
Selenium:	9.40E-04 [1]	7.44E-04 [2]	8.41E-04 [1]	7.62E-04 [2]	8.87E-04 [1]	8.35E-04 DLL
Total Metals (lb/hr):	1.08E-02 [1]	4.58E-02 [1]	1.05E-02 [1]	1.38E-02 [1]	8.74E-03 [1]	1.79E-02 DLL
Total Non-Mercury Metals (lb/hr):	1.05E-02 [1]	4.56E-02 [1]	1.03E-02 [1]	1.36E-02 [1]	8.53E-03 [1]	1.77E-02 DLL
Metals Concentration (mg/dscm @ 15% O_2)						
Arsenic:	3.70E-04 [2]	3.94E-04 [2]	3.83E-04 [2]	3.97E-04 [2]	3.96E-04 [2]	3.88E-04 BDL
Beryllium:	1.19E-05 [2]	1.27E-05 [2]	1.23E-05 [2]	1.28E-05 [2]	1.27E-05 [2]	1.25E-05 BDL
Cadmium:	5.62E-05 [2]	1.08E-04 [1]	7.71E-05 [1]	6.04E-05 [1]	6.03E-05 [2]	7.24E-05 DLL
Chromium:	1.39E-03	1.01E-02	1.70E-03	1.13E-03	1.11E-03	3.08E-03 ADL
Cobalt:	3.96E-04 [2]	4.23E-04 [2]	4.10E-04 [2]	4.26E-04 [2]	4.25E-04 [2]	4.16E-04 DLL
Mercury:	9.50E-05 [2]	9.86E-05 [2]	9.52E-05 [2]	1.03E-04 [2]	1.00E-04 [2]	9.84E-05 DLL
Manganese:	1.05E-03	3.98E-03	4.21E-04	2.44E-03	4.86E-04	1.67E-03 ADL
Nickel:	3.80E-04	5.05E-03	6.50E-04 [1]	6.69E-04	4.51E-04	1.44E-03 ADL
Lead:	2.68E-04 [2]	2.86E-04 [2]	2.77E-04 [2]	2.88E-04 [2]	2.87E-04 [2]	2.81E-04 DLL
Antimony:	3.85E-04 [1]	4.14E-04 [1]	4.02E-04 [1]	4.03E-04 [1]	4.29E-04 [1]	4.07E-04 DLL
Selenium:	4.22E-04 [1]	3.44E-04 [2]	3.85E-04 [1]	3.47E-04 [2]	4.25E-04 [1]	3.84E-04 DLL
Total Metals (mg/dscm)	4.83E-03 [1]	2.12E-02 [1]	4.81E-03 [1]	6.28E-03 [1]	4.18E-03 [1]	8.25E-03 DLL
Total Non-Mercury Metals (mg/dscm)	4.73E-03 [1]	2.11E-02 [1]	4.72E-03 [1]	6.17E-03 [1]	4.08E-03 [1]	8.16E-03 DLL
Isokinetic Variation (%):	104.4	100.9	102.8	98.5	104.0	102.1

1 - The mass at least one of the sample fractions was below the analytical detection limit

2 - The mass in all of the sample fractions was below the analytical detection limit

ADL - all analytical values used to calculate and report an in-stack emissions value are greater than the laboratory's reported detection level(s)

DLL - at least one, but not all values used to calculate and report an in-stack emissions value are greater than the laboratory's reported detection level(s)

BDL - all analytical values used to calculate and report an in-stack emissions value are less than the laboratory's reported detection level(s)

METHOD 5 - PARTICULATE TEST RESULTS SUMMARY
CT Unit 2 Natural Gas

Test Run Number:	1	2	3	4	5	Average
Source Condition:	Max	Max	Max	Max	Max	
Date:	9/21/2022	9/21/2022	9/22/2022	9/22/2022	9/22/2022	
Start Time:	8:57	12:43	7:56	11:30	15:44	
End Time:	12:39	16:30	11:28	15:24	19:15	
Sample Duration (min):	192.0	192.0	192.0	192.0	192.0	192.00
Average Gas Temp, T_s, (^oF):	953.9	973.4	954.5	980.2	977.0	967.8
Average Gas Temp, T_s, (^oC):	512.2	523.0	512.5	526.8	525.0	519.9
Fractional Gas Moisture Content, B_{ws}:	0.118	0.121	0.126	0.128	0.130	0.125
Gas CO_2 Content (%vol):	3.6	3.6	3.6	3.6	3.6	3.6
Gas O_2 Content (%vol):	14.4	14.4	14.3	14.3	14.3	14.4
Gas Wet MW, M_s, (lb/lb-mole):	27.83	27.81	27.75	27.73	27.71	27.77
Average Gas Velocity, V_s, (ft/sec):	146.84	143.29	143.31	147.31	139.71	144.09
Average Gas Velocity V_s, (m/sec):	44.76	43.67	43.68	44.90	42.58	43.92
Measured Volumetric Flow Rate:						
Q (actual ft^3/min):	1,662,457	1,622,252	1,622,478	1,667,719	1,581,721	1,631,325
Q_{std} (std ft^3/min):	617,580	594,662	600,674	605,380	575,234	598,706
$Q_{std(dry)}$ (dry std ft^3/min):	544,423	522,837	524,943	527,678	500,608	524,098
Q_m (actual m^3/min):	47,076	45,937	45,944	47,225	44,790	46,194
Q_{stdm} (std. m^3/min):	17,488	16,832	17,003	17,136	16,289	16,950
$Q_{stdm(dry)}$ (dry std. m^3/min):	15,416	14,799	14,859	14,936	14,176	14,837
Sample Volume, $V_{m(std)}$, (dry std ft^3):	171.303	158.943	162.668	156.611	156.851	161.275
Sample Volume, $V_{m(std)(metric)}$, (dry std. m^3):	4.851	4.501	4.606	4.435	4.442	4.567
PM Collected, m_n, (mg):						
Filterable	1.85	6.59	4.67	1.57 [1]	2.19 [1]	3.37 DLL
PM Concentration, C_s, (gr/dscf):						
Filterable	1.66E-04	6.39E-04	4.43E-04	1.55E-04 [1]	2.15E-04 [1]	3.24E-04 DLL
PM Concentration, Ccorr., (gr/dscf corrected to 15% O_2):						
Filterable	1.52E-04	5.79E-04	3.98E-04	1.39E-04 [1]	1.93E-04 [1]	2.92E-04 DLL
Isokinetic Variance (I)	104.4	100.9	102.8	98.5	104.0	102.1

1 - The mass at least one of the sample fractions was below the analytical detection limit

2 - The mass in all of the sample fractions was below the analytical detection limit

ADL - all analytical values used to calculate and report an in-stack emissions value are greater than the laboratory's reported detection level(s)

DLL - at least one, but not all values used to calculate and report an in-stack emissions value are greater than the laboratory's reported detection level(s)

BDL - all analytical values used to calculate and report an in-stack emissions value are less than the laboratory's reported detection level(s)

Table 6.7 CT Unit 2 (Firing Oil)- Detailed Summary of Method 320 and Method 10 Results

Client: Georgia Power
Facility: Plant McIntosh
Technicians: JSG, WM
Project Number: 491281.0000.0000

SOURCE	Unit 2 Fuel Oil							
TEST RUN	1	2	3	4	5	6	7	AVERAGE
Date	9/26/2022	9/26/2022	9/26/2022	9/26/2022	9/26/2022	9/26/2022	9/26/2022	
Start Time	8:08	9:18	10:28	11:38	12:48	14:03	15:18	
Stop Time	9:08	10:18	11:28	12:38	13:48	15:03	16:18	
Process Data								
Unit Load (MW)	75.83	75.88	75.85	75.82	75.82	75.81	75.87	**75.8**
Fuel Flow (SCFH)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Fuel Oil Flow (GPM)	123.44	123.24	122.88	122.98	122.83	122.89	122.87	**123.02**
Firing Rate (MMBTU/Hr)	1,081	1,080	1,076	1,077	1,076	1,077	1,076	**1,078**
Exhaust Volumetric Flow Rate								
Qstd (std ft3/min):	607,626	607,626	607,626	585,618	585,618	585,618	585,618	**595,050**
Qstd(dry) (dry std ft3/min):	542,801	542,801	542,801	523,205	523,205	523,205	523,205	**531,603**
Exhaust Concentrations								
O_2 (vol %, dry)	14.47	14.41	14.36	14.35	14.34	14.33	14.33	**14.37**
CO_2 (vol %, wet)	4.54	4.57	4.61	4.62	4.63	4.64	4.65	**4.61**
CO (ppmv, dry)	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	**< 0.01**
H_2O (vol %, wet)	10.54	10.54	10.60	10.65	10.63	10.52	10.51	**10.57**
Formaldehyde (ppmv, wet)	< 0.0074	< 0.0074	< 0.0074	< 0.0074	< 0.0074	< 0.0074	< 0.0074	**< 0.0074**
Formaldehyde (ppmv, dry)	< 0.0083	< 0.0083	< 0.0083	< 0.0083	< 0.0083	< 0.0083	< 0.0083	**< 0.0083**
HCl (ppmv, wet)	0.069	0.055	0.063	0.038	< 0.016	< 0.016	< 0.016	**< 0.039**
HCl (ppmv, dry)	0.077	0.062	0.070	0.043	0.018	0.018	0.018	**0.044**
HF (ppmv, wet)	0.759	0.758	0.781	0.775	0.779	0.790	0.796	**0.777**
HF (ppmv, dry)	0.848	0.847	0.874	0.867	0.872	0.883	0.890	**0.869**
Emmission Rates								
CO (ppmv,dry @ 15% O_2)	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	**< 0.01**
Formaldehyde (ppmv,dry @ 15% O_2)	< 0.0076	< 0.0075	< 0.0075	< 0.0075	< 0.0074	< 0.0074	< 0.0074	**< 0.0075**
HCl (ppmv,dry @ 15% O_2)	0.07	0.06	0.06	0.04	< 0.02	< 0.02	< 0.02	**< 0.04**
HF (ppmv,dry @ 15% O_2)	0.78	0.77	0.79	0.78	0.78	0.79	0.80	**0.78**
Emmission Rates								
CO (lb/hr)	< 0.00003	< 0.00003	< 0.000030	< 0.000029	< 0.00003	< 0.00003	< 0.00003	**< 0.00003**
Formaldehyde (lb/hr)	< 0.0210	< 0.0210	< 0.0210	< 0.0203	< 0.0203	< 0.0202	< 0.0202	**< 0.0206**
HCl (lb/hr)	0.238	0.191	0.217	0.127	< 0.054	< 0.053	< 0.053	**< 0.133**
HF (lb/hr)	1.43	1.43	1.48	1.41	1.42	1.44	1.45	**1.44**

Table 6.8 CT Unit 2 (Firing Oil)- Detailed Summary of Method 5 and 29 Results

METHOD 29 - METAL TEST RESULTS SUMMARY
CT Unit 2 Fuel Oil

Run No:	1	2	3	4	5	Average
Date:	9/26/22	9/26/22	9/27/22	9/27/22	9/27/22	
Start Time:	7:32	11:04	6:42	10:14	13:44	
End Time:	11:02	14:38	10:14	13:44	17:22	
Run Duration (min):	192.0	192.0	192.0	192.0	192.0	
Fixed Gas Content:						
CO_2 (% vol)	4.6	4.6	4.4	4.5	4.5	4.5
O_2 (% vol)	14.4	14.3	15.0	15.1	14.7	14.7
Fractional Moisture Content:	0.107	0.107	0.098	0.097	0.094	0.101
Sample Volume, $V_{m(std)}$						
(dry std ft^3):	164.629	154.041	170.850	160.537	167.398	163.491
(dry std m^3):	4.662	4.362	4.838	4.546	4.740	4.630
Measured Volumetric Flow Rate						
Q_{std} (std ft^3/min):	607,626	585,618	634,400	612,298	613,442	610,677
$Q_{std(dry)}$ (dry std ft^3/min):	542,801	523,205	572,295	552,617	555,790	549,341
Net Mass Collected (µg)						
Arsenic:	1.96 [2]	1.96 [2]	1.96 [2]	1.96 [2]	1.96 [2]	1.96 BDL
Beryllium:	0.06 [2]	0.06 [2]	0.06 [2]	0.06 [2]	0.063 [2]	0.063 BDL
Cadmium:	0.301 [2]	0.30 [2]	0.30 [2]	0.30 [2]	0.298 [2]	0.299 BDL
Chromium:	3.32	3.68	2.351	2.806	4.442	3.32 ADL
Cobalt:	2.10 [2]	2.1 [2]	2.1 [2]	2.1 [2]	3.94 [1]	2.47 BDL
Mercury:	0.4948 [2]	0.511 [2]	0.49 [2]	0.501 [2]	0.61 [2]	0.521 BDL
Manganese:	2.50	1.493	1.666	3.225	8.445	3.46 ADL
Nickel:	1.93	1.86 [1]	2.561	1.41 [1]	7.75 [1]	3.10 DLL
Lead:	1.42 [2]	1.42 [2]	1.42 [2]	1.42 [2]	1.42 [2]	1.42 BDL
Antimony:	1.94 [1]	2.1 [1]	2.15 [1]	1.95 [1]	2.17 [1]	2.06 DLL
Selenium:	1.75 [2]	1.90 [1]	1.71 [2]	1.92 [1]	1.71 [2]	1.80 DLL
Metals Emission Rate (lb/hr)						
Arsenic:	8.55E-04 [2]	8.81E-04 [2]	8.68E-04 [2]	8.92E-04 [2]	8.61E-04 [2]	8.71E-04 BDL
Beryllium:	2.75E-05 [2]	2.83E-05 [2]	2.79E-05 [2]	2.87E-05 [2]	2.77E-05 [2]	2.80E-05 BDL
Cadmium:	1.30E-04 [2]	1.34E-04 [2]	1.32E-04 [2]	1.36E-04 [2]	1.31E-04 [2]	1.32E-04 BDL
Chromium:	1.45E-03	1.65E-03	1.04E-03	1.28E-03	1.95E-03	1.47E-03 ADL
Cobalt:	9.16E-04 [2]	9.43E-04 [2]	9.30E-04 [2]	9.56E-04 [2]	1.73E-03 [1]	1.10E-03 BDL
Mercury:	2.18E-04 [2]	2.30E-04 [2]	2.17E-04 [2]	2.28E-04 [2]	2.68E-04 [2]	2.32E-04 BDL
Manganese:	1.09E-03	6.71E-04	7.38E-04	1.47E-03	3.71E-03	1.53E-03 ADL
Nickel:	9.28E-04	8.36E-04 [1]	1.13E-03	6.42E-04 [1]	3.40E-03 [1]	1.39E-03 DLL
Lead:	6.19E-04 [2]	6.38E-04 [2]	6.29E-04 [2]	6.47E-04 [2]	6.24E-04 [2]	6.31E-04 BDL
Antimony:	9.03E-04 [2]	9.43E-04 [1]	9.53E-04 [1]	8.88E-04 [1]	9.53E-04 [1]	9.28E-04 DLL
Selenium:	7.46E-04 [2]	8.52E-04 [1]	7.58E-04 [2]	8.73E-04 [1]	7.51E-04 [2]	7.96E-04 DLL
Total Metals (lb/hr):	7.88E-03 [1]	7.81E-03 [1]	7.43E-03 [1]	8.04E-03 [1]	1.44E-02 [1]	9.11E-03 DLL
Total Non-Mercury Metals (lb/hr):	7.66E-03 [1]	7.58E-03 [1]	7.21E-03 [1]	7.81E-03 [1]	1.41E-02 [1]	8.88E-03 DLL
Metals Concentration (mg/dscm @ 15% O_2)						
Arsenic:	3.82E-04 [2]	4.04E-04 [2]	4.05E-04 [2]	4.42E-04 [2]	3.95E-04 [2]	4.06E-04 BDL
Beryllium:	1.23E-05 [2]	1.30E-05 [2]	1.30E-05 [2]	1.42E-05 [2]	1.27E-05 [2]	1.30E-05 BDL
Cadmium:	5.81E-05 [2]	6.14E-05 [2]	6.15E-05 [2]	6.71E-05 [2]	6.00E-05 [2]	6.17E-05 BDL
Chromium:	6.48E-04	7.59E-04	4.85E-04	6.32E-04	8.95E-04	6.84E-04 ADL
Cobalt:	4.10E-04 [2]	4.33E-04 [2]	4.34E-04 [2]	4.73E-04 [2]	7.94E-04 [1]	5.09E-04 BDL
Mercury:	9.73E-05 [2]	1.05E-04 [2]	1.01E-04 [2]	1.13E-04 [2]	1.23E-04 [2]	1.08E-04 BDL
Manganese:	4.87E-04	3.08E-04	3.44E-04	7.27E-04	1.70E-03	7.13E-04 ADL
Nickel:	4.15E-04	3.84E-04 [1]	5.29E-04	3.18E-04 [1]	1.56E-03 [1]	6.41E-04 DLL
Lead:	2.77E-04 [2]	2.93E-04 [2]	2.93E-04 [2]	3.20E-04 [2]	2.86E-04 [2]	2.94E-04 BDL
Antimony:	4.04E-04 [1]	4.33E-04 [1]	4.44E-04 [1]	4.39E-04 [1]	4.37E-04 [1]	4.31E-04 DLL
Selenium:	3.34E-04 [2]	3.91E-04 [1]	3.53E-04 [2]	4.32E-04 [1]	3.45E-04 [2]	3.71E-04 DLL
Total Metals (mg/dscm)	3.52E-03 [1]	3.58E-03 [1]	3.46E-03 [1]	3.98E-03 [1]	6.61E-03 [1]	4.23E-03 DLL
Total Non-Mercury Metals (mg/dscm)	3.43E-03 [1]	3.48E-03 [1]	3.36E-03 [1]	3.86E-03 [1]	6.49E-03 [1]	4.12E-03 DLL
Isokinetic Variation (%):	100.7	97.7	99.1	96.4	100.0	98.8

1 - The mass at least one of the sample fractions was below the analytical detection limit
2 - The mass in all of the sample fractions was below the analytical detection limit
ADL - all analytical values used to calculate and report an in-stack emissions value are greater than the laboratory's reported detection level(s)
DLL - at least one, but not all values used to calculate and report an in-stack emissions value are greater than the laboratory's reported detection level(s)
BDL - all analytical values used to calculate and report an in-stack emissions value are less than the laboratory's reported detection level(s)

METHOD 5 - PARTICULATE TEST RESULTS SUMMARY

CT Unit 2 Fuel Oil

Test Run Number:	1	2	3	4	5	Average
Source Condition:	Max	Max	Max	Max	Max	
Date:	9/26/2022	9/26/2022	9/27/2022	9/27/2022	9/27/2022	
Start Time:	7:32	11:04	6:42	10:14	13:44	
End Time:	11:02	14:38	10:14	13:44	17:22	
Sample Duration (min):	192.0	192.0	192.0	192.0	192.0	192.00
Average Gas Temp, T_s, (^oF):	953.0	975.4	927.0	947.6	948.4	950.3
Average Gas Temp, T_s, (^oC):	511.6	524.1	497.2	508.7	509.1	510.1
Fractional Gas Moisture Content, B_{ws}:	0.107	0.107	0.098	0.097	0.094	0.101
Gas CO_2 Content (%vol):	4.6	4.6	4.4	4.5	4.5	4.5
Gas O_2 Content (%vol):	14.4	14.3	15.0	15.1	14.7	14.7
Gas Wet MW, M_s, (lb/lb-mole):	28.10	28.11	28.20	28.22	28.24	28.18
Average Gas Velocity, V_s, (ft/sec):	144.87	141.78	148.16	145.13	145.54	145.09
Average Gas Velocity V_s, (m/sec):	44.16	43.21	45.16	44.24	44.36	44.22
Measured Volumetric Flow Rate:						
Q (actual ft^3/min):	1,640,108	1,605,154	1,677,385	1,643,067	1,647,709	1,642,685
Q_{std} (std ft^3/min):	607,626	585,618	634,400	612,298	613,442	610,677
$Q_{std(dry)}$ (dry std ft^3/min):	542,801	523,205	572,295	552,617	555,790	549,341
Q_m (actual m^3/min):	46,443	45,453	47,499	46,527	46,658	46,516
Q_{stdm} (std. m^3/min):	17,206	16,576	17,957	17,332	17,371	17,288
$Q_{stdm(dry)}$ (dry std. m^3/min):	15,371	14,810	16,199	15,642	15,738	15,552
Sample Volume, $V_{m(std)}$, (dry std ft^3):	164.629	154.041	170.850	160.537	167.398	163.491
Sample Volume, $V_{m(std)(metric)}$, (dry std. m^3):	4.662	4.362	4.838	4.546	4.740	4.630
PM Collected, m_n, (mg):						
Filterable	1.40	1.77	3.15 [1]	1.46 [1]	1.62	1.88 DLL
PM Concentration, C_s, (gr/dscf):						
Filterable	1.31E-04	1.77E-04	2.84E-04 [1]	1.40E-04 [1]	1.49E-04	1.76E-04 DLL
PM Concentration, Ccorr., (gr/dscf corrected to 15% O_2):						
Filterable	1.19E-04	1.59E-04	2.84E-04 [1]	1.43E-04 [1]	1.92E-04	1.79E-04 DLL
Isokinetic Variance (I)	100.7	97.7	99.1	96.4	100.0	98.8

1 - The mass at least one of the sample fractions was below the analytical detection limit

2 - The mass in all of the sample fractions was below the analytical detection limit

ADL - all analytical values used to calculate and report an in-stack emissions value are greater than the laboratory's reported detection level(s)

DLL - at least one, but not all values used to calculate and report an in-stack emissions value are greater than the laboratory's reported detection level(s)

BDL - all analytical values used to calculate and report an in-stack emissions value are less than the laboratory's reported detection level(s)

APPENDIX

Qualified Individual Certificate(s)

STAC STACK TESTING ACCREDITATION COUNCIL

A2LA American Association for Laboratory Accreditation

Accredited Air Emission Testing Body

A2LA has accredited

TRC ENVIRONMENTAL CORPORATION

In recognition of the successful completion of the joint A2LA and Stack Testing Accreditation Council (STAC) evaluation process, this laboratory is accredited to perform testing activities in compliance with ASTM D7036:2004 - Standard Practice for Competence of Air Emission Testing Bodies.

Presented this 26th day of March 2021.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 3711.01
Valid to May 31, 2023

This accreditation program is not included under the A2LA ILAC Mutual Recognition Arrangement.

This is to Certify that:

Jason Grizzle

Is a Qualified Individual as defined in Section 8.3 of ASTM D7036-04 for the following test methods:

EPA Methods 1, 1A, 2, 2A, 2C, 2D, 2F, 2G, 2H, 3, 3B, 4, 5, 5A, 5B, 5D, 5E, 5F, 5i, 17, 19, 201A, and 202.

The individual has met the minimum experience requirements defined in Section 8.3.4.2 of ASTM D7036-04 and has successfully passed a comprehensive examination for the test methods designated above.

This certification is effective until: 07-22-2027

Edward J MacKinnon
Air Measurements Practice Quality Manager

Date of Issue: 07-26-2022

Certificate Number: 01856

TRC

This certificate is the exclusive property of TRC and is non-transferable.

This is to Certify that:

Jason Grizzle

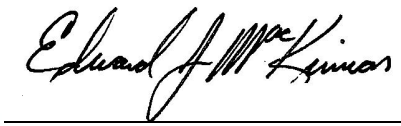
Is a Qualified Individual as defined in Section 8.3 of ASTM D7036-04 for the following test methods:

EPA Methods 3A, 6C, 7E, 10, 10B, 19, 20, 25A.

CEM Performance Specifications PS2, PS3, PS4, PS4A, PS5, PS6, PS7, PS8, and PS15

The individual has met the minimum experience requirements defined in Section 8.3.4.2 of ASTM D7036-04 and has successfully passed a comprehensive examination for the test methods designated above.

This certification is effective until: 11-24-2026



Edward J MacKinnon
Air Measurements Practice Quality Manager

Date of Issue: 11-29-2021

Certificate Number: 01751

TRC

This certificate is the exclusive property of TRC and is non-transferable.

This is to Certify that:

Jason Grizzle

Is a Qualified Individual as defined in Section 8.3 of ASTM D7036-04 for the following test methods:

EPA Methods 320 and 321

The individual has met the minimum experience requirements defined in Section 8.3.4.2 of ASTM D7036-04 and has successfully passed an internal comprehensive examination for the test methods designated above.

This certification is effective until:

01-31-2025

Date of Issue: 02-04-2020

Certificate Number: 01538

Edward MacKinnon
Air Measurements Practice Quality Manager

TRC

This certificate is the exclusive property of TRC and is non-transferable.

This is to Certify that:

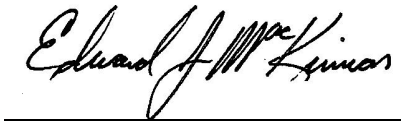
William McKibben

Is a Qualified Individual as defined in Section 8.3 of ASTM D7036-04 for the following test methods:

EPA Methods 1, 2, 3, 4, 12, 19, 29, 30B, 101, 101A, 102, and ASTM D6784-02.

The individual has met the minimum experience requirements defined in Section 8.3.4.2 of ASTM D7036-04 and has successfully passed a comprehensive examination for the test methods designated above.

This certification is effective until: 03-23-2026



Edward J MacKinnon
Air Measurements Practice Quality Manager

Date of Issue: 03-26-2021

Certificate Number: 01694

TRC

This certificate is the exclusive property of TRC and is non-transferable.

Process and Pollution Control Equipment Operating Data

Unit 1

McI CT1 Process Data
Averaged Data Gaseous

Date Time	Oil Supply gpm	Load MW	Exhaust Temp deg. C	Gas Flow 10scfm	Turbine Inlet Temp deg F.	Gas On	Oil On	Gas scfh	Total Heat Input MMBtu/hr
Run 1 Start - NG									
9/15/22 09:20	0.00	75.35	498.7	1666.6	1802.3	6.00	0.00	999936	109993.0
9/15/22 09:21	0.00	75.71	499.2	1669.8	1803.8	6.00	0.00	1001854	110203.9
9/15/22 09:22	0.00	75.26	498.8	1666.8	1802.8	6.00	0.00	1000073	110008.0
9/15/22 09:23	0.00	75.60	499.0	1666.6	1802.9	6.00	0.00	999982	109998.0
9/15/22 09:24	0.00	75.68	499.0	1667.9	1803.1	6.00	0.00	1000712	110078.3
9/15/22 09:25	0.00	75.31	499.6	1668.5	1803.9	6.00	0.00	1001123	110123.5
9/15/22 09:26	0.00	75.39	499.8	1666.0	1803.7	6.00	0.00	999617	109957.8
9/15/22 09:27	0.00	75.23	499.5	1668.0	1803.8	6.00	0.00	1000804	110088.4
9/15/22 09:28	0.00	75.48	499.4	1666.0	1803.2	6.00	0.00	999617	109957.8
9/15/22 09:29	0.00	75.31	499.2	1666.8	1803.6	6.00	0.00	1000073	110008.0
9/15/22 09:30	0.00	75.29	499.8	1666.0	1804.5	6.00	0.00	999617	109957.8
9/15/22 09:31	0.00	75.31	500.2	1667.9	1805.6	6.00	0.00	1000759	110083.5
9/15/22 09:32	0.00	75.42	499.6	1664.8	1803.8	6.00	0.00	998886	109877.5
9/15/22 09:33	0.00	75.49	499.4	1665.4	1804.1	6.00	0.00	999251	109917.7
9/15/22 09:34	0.00	75.28	499.8	1669.1	1805.2	6.00	0.00	1001443	110158.7
9/15/22 09:35	0.00	75.39	500.6	1666.7	1806.1	6.00	0.00	1000028	110003.1
9/15/22 09:36	0.00	75.52	499.8	1664.6	1805.1	6.00	0.00	998749	109862.4
9/15/22 09:37	0.00	75.57	499.9	1666.9	1806.0	6.00	0.00	1000119	110013.1
9/15/22 09:38	0.00	75.53	500.4	1667.3	1806.7	6.00	0.00	1000393	110043.2
9/15/22 09:39	0.00	75.46	499.9	1665.4	1805.8	6.00	0.00	999251	109917.7
9/15/22 09:40	0.00	75.75	499.8	1667.3	1805.5	6.00	0.00	1000393	110043.2
9/15/22 09:41	0.00	75.72	500.0	1665.6	1805.7	6.00	0.00	999343	109927.7
9/15/22 09:42	0.00	75.50	499.8	1665.5	1805.0	6.00	0.00	999297	109922.7
9/15/22 09:43	0.00	75.62	500.0	1666.8	1805.7	6.00	0.00	1000073	110008.0
9/15/22 09:44	0.00	75.57	499.8	1666.6	1805.4	6.00	0.00	999982	109998.0
9/15/22 09:45	0.00	75.69	500.1	1664.8	1805.7	6.00	0.00	998886	109877.5
9/15/22 09:46	0.00	75.55	500.4	1667.3	1807.2	6.00	0.00	1000393	110043.2
9/15/22 09:47	0.00	75.73	500.8	1669.2	1806.7	6.00	0.00	1001535	110168.9
9/15/22 09:48	0.00	75.46	499.9	1665.4	1804.9	6.00	0.00	999251	109917.7
9/15/22 09:49	0.00	75.74	500.1	1666.7	1806.4	6.00	0.00	1000028	110003.1
9/15/22 09:50	0.00	75.55	500.6	1667.4	1807.1	6.00	0.00	1000439	110048.3
9/15/22 09:51	0.00	75.30	501.2	1666.0	1808.2	6.00	0.00	999617	109957.8
9/15/22 09:52	0.00	75.48	500.6	1665.4	1808.0	6.00	0.00	999251	109917.7
9/15/22 09:53	0.00	75.33	500.6	1667.9	1808.4	6.00	0.00	1000759	110083.5
9/15/22 09:54	0.00	75.35	500.8	1666.6	1808.7	6.00	0.00	999936	109993.0
9/15/22 09:55	0.00	75.54	500.6	1664.9	1808.8	6.00	0.00	998932	109882.5
9/15/22 09:56	0.00	75.62	500.8	1667.9	1808.3	6.00	0.00	1000712	110078.3
9/15/22 09:57	0.00	75.45	499.4	1666.0	1806.9	6.00	0.00	999617	109957.8
9/15/22 09:58	0.00	75.58	500.0	1665.4	1807.5	6.00	0.00	999251	109917.7
9/15/22 09:59	0.00	75.66	499.8	1666.7	1808.7	6.00	0.00	1000028	110003.1
9/15/22 10:00	0.00	75.54	499.4	1667.4	1806.7	6.00	0.00	1000439	110048.3
9/15/22 10:01	0.00	75.35	499.8	1665.4	1807.9	6.00	0.00	999251	109917.7
9/15/22 10:02	0.00	75.30	500.0	1666.0	1808.5	6.00	0.00	999617	109957.8
9/15/22 10:03	0.00	75.55	499.6	1668.6	1807.5	6.00	0.00	1001170	110128.7
9/15/22 10:04	0.00	75.48	500.0	1667.9	1808.2	6.00	0.00	1000712	110078.3
9/15/22 10:05	0.00	75.78	500.6	1665.4	1809.2	6.00	0.00	999251	109917.7
9/15/22 10:06	0.00	75.73	501.0	1667.3	1810.5	6.00	0.00	1000393	110043.2
9/15/22 10:07	0.00	75.52	501.0	1668.5	1811.0	6.00	0.00	1001078	110118.6
9/15/22 10:08	0.00	75.33	500.6	1665.0	1809.8	6.00	0.00	998977	109887.5
9/15/22 10:09	0.00	75.31	500.8	1666.1	1810.4	6.00	0.00	999662	109962.9
9/15/22 10:10	0.00	75.54	500.7	1666.1	1809.2	6.00	0.00	999662	109962.9
9/15/22 10:11	0.00	75.56	500.6	1667.2	1808.9	6.00	0.00	1000301	110033.1
9/15/22 10:12	0.00	75.69	501.2	1666.8	1809.7	6.00	0.00	1000073	110008.0
9/15/22 10:13	0.00	75.35	501.6	1667.3	1809.9	6.00	0.00	1000393	110043.2
9/15/22 10:14	0.00	75.64	502.0	1667.3	1811.1	6.00	0.00	1000393	110043.2
9/15/22 10:15	0.00	75.45	502.1	1665.5	1811.8	6.00	0.00	999297	109922.7
9/15/22 10:16	0.00	75.54	502.0	1666.2	1811.4	6.00	0.00	999708	109967.9
9/15/22 10:17	0.00	75.46	502.7	1667.9	1811.9	6.00	0.00	1000712	110078.3
9/15/22 10:18	0.00	75.62	502.6	1666.0	1812.3	6.00	0.00	999617	109957.8
9/15/22 10:19	0.00	75.34	503.1	1667.3	1813.3	6.00	0.00	1000393	110043.2
9/15/22 10:20	0.00	75.71	502.8	1668.5	1812.3	6.00	0.00	1001078	110118.6
Run 1 End - NG	**0.00**	**75.50**	**500.36**	**1666.73**	**1807.15**	**6.00**	**0.00**	**1000036**	**110003.9**
Run 2 Start - NG									
9/15/22 10:30	0.00	75.42	503.3	1667.5	1814.4	6.00	0.00	1000484	110053.2
9/15/22 10:31	0.00	75.64	503.7	1666.6	1815.2	6.00	0.00	999982	109998.0
9/15/22 10:32	0.00	75.54	504.0	1666.9	1815.4	6.00	0.00	1000119	110013.1
9/15/22 10:33	0.00	75.76	503.7	1667.2	1815.2	6.00	0.00	1000347	110038.2
9/15/22 10:34	0.00	75.52	504.1	1667.3	1815.3	6.00	0.00	1000393	110043.2

9/15/22 10:35	0.00	75.53	504.1	1666.0	1815.4	6.00	0.00	999617	109957.8
9/15/22 10:36	0.00	75.33	505.0	1669.1	1817.4	6.00	0.00	1001443	110158.7
9/15/22 10:37	0.00	75.34	504.5	1669.0	1816.7	6.00	0.00	1001398	110153.8
9/15/22 10:38	0.00	75.90	503.0	1666.6	1813.8	6.00	0.00	999982	109998.0
9/15/22 10:39	0.00	75.48	503.7	1666.6	1816.6	6.00	0.00	999982	109998.0
9/15/22 10:40	0.00	75.33	504.7	1668.5	1817.9	6.00	0.00	1001078	110118.6
9/15/22 10:41	0.00	75.39	504.5	1666.1	1816.9	6.00	0.00	999662	109962.9
9/15/22 10:42	0.00	75.48	503.4	1666.1	1814.5	6.00	0.00	999662	109962.9
9/15/22 10:43	0.00	75.57	503.5	1667.9	1814.7	6.00	0.00	1000712	110078.3
9/15/22 10:44	0.00	75.56	503.7	1667.4	1814.7	6.00	0.00	1000439	110048.3
9/15/22 10:45	0.00	75.31	504.1	1666.1	1815.4	6.00	0.00	999662	109962.9
9/15/22 10:46	0.00	75.70	504.5	1667.2	1817.3	6.00	0.00	1000348	110038.3
9/15/22 10:47	0.00	75.60	505.5	1669.8	1818.1	6.00	0.00	1001900	110209.0
9/15/22 10:48	0.00	75.38	504.1	1667.3	1815.7	6.00	0.00	1000393	110043.2
9/15/22 10:49	0.00	75.59	503.7	1666.1	1815.0	6.00	0.00	999662	109962.9
9/15/22 10:50	0.00	75.69	504.1	1667.9	1815.5	6.00	0.00	1000759	110083.5
9/15/22 10:51	0.00	75.46	503.9	1668.8	1815.4	6.00	0.00	1001306	110143.7
9/15/22 10:52	0.00	75.76	504.3	1666.6	1815.5	6.00	0.00	999982	109998.0
9/15/22 10:53	0.00	75.35	504.9	1668.6	1818.5	6.00	0.00	1001170	110128.7
9/15/22 10:54	0.00	75.52	506.4	1667.9	1821.2	6.00	0.00	1000759	110083.5
9/15/22 10:55	0.00	75.97	505.5	1669.1	1818.8	6.00	0.00	1001443	110158.7
9/15/22 10:56	0.00	75.63	504.7	1665.4	1817.5	6.00	0.00	999251	109917.7
9/15/22 10:57	0.00	75.42	504.9	1668.0	1818.0	6.00	0.00	1000804	110088.4
9/15/22 10:58	0.00	75.51	504.5	1666.6	1817.1	6.00	0.00	999982	109998.0
9/15/22 10:59	0.00	75.55	504.5	1665.6	1816.5	6.00	0.00	999388	109932.7
9/15/22 11:00	0.00	75.21	504.5	1666.8	1816.8	6.00	0.00	1000073	110008.0
9/15/22 11:01	0.00	75.33	504.9	1667.8	1817.9	6.00	0.00	1000667	110073.4
9/15/22 11:02	0.00	75.77	505.7	1667.4	1819.4	6.00	0.00	1000439	110048.3
9/15/22 11:03	0.00	75.69	505.3	1666.7	1818.2	6.00	0.00	1000028	110003.1
9/15/22 11:04	0.00	75.68	504.9	1665.6	1817.7	6.00	0.00	999343	109927.7
9/15/22 11:05	0.00	75.59	505.2	1668.0	1817.9	6.00	0.00	1000804	110088.4
9/15/22 11:06	0.00	75.39	505.0	1666.6	1817.3	6.00	0.00	999982	109998.0
9/15/22 11:07	0.00	75.58	504.9	1666.6	1817.5	6.00	0.00	999982	109998.0
9/15/22 11:08	0.00	75.50	504.5	1668.0	1816.6	6.00	0.00	1000804	110088.4
9/15/22 11:09	0.00	75.70	504.1	1665.5	1816.3	6.00	0.00	999297	109922.7
9/15/22 11:10	0.00	75.58	504.7	1665.4	1817.8	6.00	0.00	999251	109917.7
9/15/22 11:11	0.00	75.49	505.5	1666.7	1819.3	6.00	0.00	1000028	110003.1
9/15/22 11:12	0.00	75.52	505.5	1667.8	1819.2	6.00	0.00	1000667	110073.4
9/15/22 11:13	0.00	75.52	505.3	1666.6	1818.3	6.00	0.00	999982	109998.0
9/15/22 11:14	0.00	75.82	505.5	1666.7	1819.7	6.00	0.00	1000028	110003.1
9/15/22 11:15	0.00	75.63	505.1	1667.4	1818.0	6.00	0.00	1000439	110048.3
9/15/22 11:16	0.00	75.47	505.5	1667.9	1818.6	6.00	0.00	1000758	110083.4
9/15/22 11:17	0.00	75.40	505.5	1664.8	1818.2	6.00	0.00	998886	109877.5
9/15/22 11:18	0.00	75.48	505.1	1666.1	1818.0	6.00	0.00	999662	109962.9
9/15/22 11:19	0.00	75.64	505.1	1667.9	1818.5	6.00	0.00	1000759	110083.5
9/15/22 11:20	0.00	75.56	505.3	1666.0	1818.2	6.00	0.00	999617	109957.8
9/15/22 11:21	0.00	75.50	505.5	1665.5	1818.4	6.00	0.00	999297	109922.7
9/15/22 11:22	0.00	75.57	505.7	1666.5	1818.7	6.00	0.00	999890	109987.9
9/15/22 11:23	0.00	75.33	505.0	1666.5	1817.6	6.00	0.00	999890	109987.9
9/15/22 11:24	0.00	75.61	505.3	1664.4	1818.3	6.00	0.00	998612	109847.4
9/15/22 11:25	0.00	75.76	505.3	1666.7	1819.6	6.00	0.00	1000028	110003.1
9/15/22 11:26	0.00	75.82	505.3	1667.4	1818.9	6.00	0.00	1000439	110048.3
9/15/22 11:27	0.00	75.44	505.8	1666.6	1820.4	6.00	0.00	999982	109998.0
9/15/22 11:28	0.00	75.24	506.3	1666.7	1821.0	6.00	0.00	1000028	110003.1
9/15/22 11:29	0.00	75.60	505.9	1666.8	1820.0	6.00	0.00	1000073	110008.0
9/15/22 11:30	0.00	75.44	505.2	1666.1	1818.2	6.00	0.00	999662	109962.9
Run 2 End - NG	**0.00**	**75.54**	**504.77**	**1666.98**	**1817.37**	**6.00**	**0.00**	**1000189**	**110020.8**
Run 3 Start - NG									
9/15/22 11:48	0.00	75.50	507.1	1669.7	1822.0	6.00	0.00	1001809	110199.0
9/15/22 11:49	0.00	75.37	507.7	1668.5	1823.6	6.00	0.00	1001078	110118.6
9/15/22 11:50	0.00	75.56	507.5	1671.5	1822.6	6.00	0.00	1002905	110319.6
9/15/22 11:51	0.00	75.60	506.8	1672.2	1821.3	6.00	0.00	1003316	110364.8
9/15/22 11:52	0.00	75.46	507.2	1671.7	1822.1	6.00	0.00	1003042	110334.6
9/15/22 11:53	0.00	75.60	508.1	1673.3	1824.2	6.00	0.00	1004000	110440.0
9/15/22 11:54	0.00	75.76	508.8	1675.2	1825.8	6.00	0.00	1005097	110560.7
9/15/22 11:55	0.00	75.59	508.1	1672.1	1824.5	6.00	0.00	1003270	110359.7
9/15/22 11:56	0.00	75.45	506.9	1669.2	1822.1	6.00	0.00	1001535	110168.9
9/15/22 11:57	0.00	75.56	507.5	1672.2	1823.6	6.00	0.00	1003316	110364.8
9/15/22 11:58	0.00	75.23	507.7	1673.4	1824.2	6.00	0.00	1004047	110445.2
9/15/22 11:59	0.00	75.40	507.1	1671.5	1822.9	6.00	0.00	1002905	110319.6
9/15/22 12:00	0.00	75.39	507.7	1672.2	1823.0	6.00	0.00	1003316	110364.8

9/15/22 12:01	0.00	75.63	507.5	1672.8	1822.9	6.00	0.00	1003681	110404.9
9/15/22 12:02	0.00	75.57	507.6	1672.9	1822.1	6.00	0.00	1003727	110410.0
9/15/22 12:03	0.00	75.46	507.1	1671.1	1821.8	6.00	0.00	1002631	110289.4
9/15/22 12:04	0.00	75.67	508.4	1673.4	1825.4	6.00	0.00	1004047	110445.2
9/15/22 12:05	0.00	75.58	507.5	1671.1	1822.7	6.00	0.00	1002631	110289.4
9/15/22 12:06	0.00	75.30	507.5	1671.1	1822.9	6.00	0.00	1002631	110289.4
9/15/22 12:07	0.00	75.33	508.6	1672.3	1825.2	6.00	0.00	1003361	110369.7
9/15/22 12:08	0.00	75.45	508.4	1673.4	1825.5	6.00	0.00	1004047	110445.2
9/15/22 12:09	0.00	75.70	508.0	1672.8	1823.6	6.00	0.00	1003681	110404.9
9/15/22 12:10	0.00	75.38	507.7	1673.5	1823.0	6.00	0.00	1004092	110450.1
9/15/22 12:11	0.00	75.44	507.6	1671.8	1823.6	6.00	0.00	1003087	110339.6
9/15/22 12:12	0.00	75.65	507.7	1672.8	1824.9	6.00	0.00	1003681	110404.9
9/15/22 12:13	0.00	75.31	507.9	1672.2	1824.9	6.00	0.00	1003316	110364.8
9/15/22 12:14	0.00	75.69	508.7	1672.5	1825.9	6.00	0.00	1003498	110384.8
9/15/22 12:15	0.00	75.69	509.4	1673.8	1827.7	6.00	0.00	1004275	110470.3
9/15/22 12:16	0.00	75.56	508.8	1674.6	1826.0	6.00	0.00	1004777	110525.5
9/15/22 12:17	0.00	75.26	509.3	1673.8	1826.7	6.00	0.00	1004275	110470.3
9/15/22 12:18	0.00	75.68	508.3	1670.9	1823.8	6.00	0.00	1002539	110279.3
9/15/22 12:19	0.00	75.52	507.2	1673.3	1822.2	6.00	0.00	1004000	110440.0
9/15/22 12:20	0.00	75.54	506.8	1673.4	1821.9	6.00	0.00	1004047	110445.2
9/15/22 12:21	0.00	75.50	506.9	1671.7	1821.6	6.00	0.00	1002996	110329.6
9/15/22 12:22	0.00	75.60	507.0	1671.6	1821.7	6.00	0.00	1002950	110324.5
9/15/22 12:23	0.00	75.40	506.8	1672.8	1821.4	6.00	0.00	1003681	110404.9
9/15/22 12:24	0.00	75.55	506.9	1674.6	1821.0	6.00	0.00	1004777	110525.5
9/15/22 12:25	0.00	75.33	507.3	1673.3	1822.1	6.00	0.00	1004000	110440.0
9/15/22 12:26	0.00	75.66	506.7	1674.6	1821.4	6.00	0.00	1004777	110525.5
9/15/22 12:27	0.00	75.61	506.9	1673.3	1822.7	6.00	0.00	1004000	110440.0
9/15/22 12:28	0.00	75.77	507.7	1672.3	1824.4	6.00	0.00	1003361	110369.7
9/15/22 12:29	0.00	75.57	507.1	1669.8	1822.8	6.00	0.00	1001900	110209.0
9/15/22 12:30	0.00	75.45	507.1	1672.1	1822.0	6.00	0.00	1003270	110359.7
9/15/22 12:31	0.00	75.48	506.8	1672.9	1821.6	6.00	0.00	1003727	110410.0
9/15/22 12:32	0.00	75.80	506.5	1671.4	1820.6	6.00	0.00	1002859	110314.5
9/15/22 12:33	0.00	75.35	506.9	1672.3	1821.7	6.00	0.00	1003407	110374.8
9/15/22 12:34	0.00	75.21	507.1	1674.6	1822.3	6.00	0.00	1004777	110525.5
9/15/22 12:35	0.00	75.63	506.9	1673.3	1822.5	6.00	0.00	1003955	110435.1
9/15/22 12:36	0.00	75.56	507.7	1673.2	1823.9	6.00	0.00	1003909	110430.0
9/15/22 12:37	0.00	75.29	507.7	1673.2	1822.9	6.00	0.00	1003909	110430.0
9/15/22 12:38	0.00	75.47	506.7	1673.9	1821.1	6.00	0.00	1004366	110480.3
9/15/22 12:39	0.00	75.44	508.0	1672.8	1823.9	6.00	0.00	1003681	110404.9
9/15/22 12:40	0.00	75.49	508.3	1670.9	1824.9	6.00	0.00	1002539	110279.3
9/15/22 12:41	0.00	75.63	506.9	1672.2	1821.0	6.00	0.00	1003316	110364.8
9/15/22 12:42	0.00	75.49	506.7	1671.6	1821.3	6.00	0.00	1002950	110324.5
9/15/22 12:43	0.00	75.21	506.9	1671.4	1822.6	6.00	0.00	1002859	110314.5
9/15/22 12:44	0.00	75.46	507.2	1672.7	1823.3	6.00	0.00	1003635	110399.9
9/15/22 12:45	0.00	75.29	507.4	1673.4	1822.8	6.00	0.00	1004046	110445.1
9/15/22 12:46	0.00	75.30	507.3	1671.6	1822.9	6.00	0.00	1002950	110324.5
9/15/22 12:47	0.00	75.25	506.5	1671.0	1821.3	6.00	0.00	1002585	110284.4
9/15/22 12:48	0.00	75.61	507.3	1672.7	1822.2	6.00	0.00	1003635	110399.9
Run 3 End - NG	**0.00**	**75.50**	**507.50**	**1672.42**	**1823.09**	**6.00**	**0.00**	**1003450**	**110379.5**
Run 4 Start - NG									
9/15/22 13:11	0.00	75.22	508.0	1674.0	1823.6	6.00	0.00	1004411	110485.2
9/15/22 13:12	0.00	75.61	508.4	1674.0	1825.7	6.00	0.00	1004411	110485.2
9/15/22 13:13	0.00	75.38	508.6	1672.3	1825.5	6.00	0.00	1003361	110369.7
9/15/22 13:14	0.00	75.40	508.4	1672.2	1825.7	6.00	0.00	1003315	110364.7
9/15/22 13:15	0.00	75.15	508.5	1673.4	1826.7	6.00	0.00	1004046	110445.1
9/15/22 13:16	0.00	75.50	508.2	1672.2	1825.1	6.00	0.00	1003315	110364.7
9/15/22 13:17	0.00	75.36	507.9	1671.6	1824.5	6.00	0.00	1002950	110324.5
9/15/22 13:18	0.00	75.65	508.5	1672.9	1826.4	6.00	0.00	1003727	110410.0
9/15/22 13:19	0.00	75.32	509.7	1672.3	1827.6	6.00	0.00	1003361	110369.7
9/15/22 13:20	0.00	75.66	507.8	1670.5	1823.8	6.00	0.00	1002311	110254.2
9/15/22 13:21	0.00	75.41	507.5	1668.7	1822.6	6.00	0.00	1001215	110133.7
9/15/22 13:22	0.00	75.35	507.2	1668.6	1821.9	6.00	0.00	1001170	110128.7
9/15/22 13:23	0.00	75.43	506.7	1671.0	1821.7	6.00	0.00	1002585	110284.4
9/15/22 13:24	0.00	75.49	506.5	1669.1	1820.9	6.00	0.00	1001489	110163.8
9/15/22 13:25	0.00	75.48	505.9	1669.8	1820.1	6.00	0.00	1001854	110203.9
9/15/22 13:26	0.00	75.39	506.9	1669.4	1821.8	6.00	0.00	1001626	110178.9
9/15/22 13:27	0.00	75.57	506.3	1669.2	1820.8	6.00	0.00	1001534	110168.7
9/15/22 13:28	0.00	75.46	506.3	1668.1	1821.0	6.00	0.00	1000850	110093.5
9/15/22 13:29	0.00	75.62	506.3	1668.2	1821.2	6.00	0.00	1000941	110103.5
9/15/22 13:30	0.00	75.52	506.3	1670.4	1822.2	6.00	0.00	1002265	110249.2
9/15/22 13:31	0.00	75.23	507.2	1669.1	1823.2	6.00	0.00	1001489	110163.8

9/15/22 13:32	0.00	75.35	507.4	1671.7	1823.5	6.00	0.00	1003042	110334.6
9/15/22 13:33	0.00	75.29	507.5	1670.5	1823.2	6.00	0.00	1002311	110254.2
9/15/22 13:34	0.00	75.17	507.4	1670.4	1823.7	6.00	0.00	1002220	110244.2
9/15/22 13:35	0.00	75.56	507.6	1669.1	1823.3	6.00	0.00	1001489	110163.8
9/15/22 13:36	0.00	75.64	507.3	1669.8	1822.6	6.00	0.00	1001900	110209.0
9/15/22 13:37	0.00	75.24	507.5	1668.2	1823.3	6.00	0.00	1000895	110098.5
9/15/22 13:38	0.00	75.40	507.9	1669.1	1824.5	6.00	0.00	1001443	110158.7
9/15/22 13:39	0.00	75.40	507.4	1669.4	1822.9	6.00	0.00	1001626	110178.9
9/15/22 13:40	0.00	75.33	507.4	1668.6	1823.2	6.00	0.00	1001169	110128.6
9/15/22 13:41	0.00	75.60	508.0	1669.9	1824.8	6.00	0.00	1001945	110214.0
9/15/22 13:42	0.00	75.57	508.2	1669.9	1824.6	6.00	0.00	1001945	110214.0
9/15/22 13:43	0.00	75.39	508.1	1671.1	1824.3	6.00	0.00	1002676	110294.4
9/15/22 13:44	0.00	75.44	508.4	1670.4	1825.0	6.00	0.00	1002220	110244.2
9/15/22 13:45	0.00	75.36	507.5	1666.9	1823.5	6.00	0.00	1000165	110018.2
9/15/22 13:46	0.00	75.42	507.4	1669.8	1823.2	6.00	0.00	1001854	110203.9
9/15/22 13:47	0.00	75.27	507.5	1670.4	1823.7	6.00	0.00	1002220	110244.2
9/15/22 13:48	0.00	75.40	507.3	1669.8	1823.0	6.00	0.00	1001854	110203.9
9/15/22 13:49	0.00	75.51	507.5	1668.5	1823.8	6.00	0.00	1001123	110123.5
9/15/22 13:50	0.00	75.62	507.7	1669.1	1823.5	6.00	0.00	1001489	110163.8
9/15/22 13:51	0.00	75.41	507.9	1671.1	1824.3	6.00	0.00	1002676	110294.4
9/15/22 13:52	0.00	75.36	509.1	1669.1	1825.8	6.00	0.00	1001489	110163.8
9/15/22 13:53	0.00	75.51	509.1	1668.4	1826.3	6.00	0.00	1001032	110113.5
9/15/22 13:54	0.00	75.58	508.4	1669.7	1824.7	6.00	0.00	1001809	110199.0
9/15/22 13:55	0.00	75.35	509.1	1669.9	1826.0	6.00	0.00	1001945	110214.0
9/15/22 13:56	0.00	75.57	509.3	1668.2	1826.9	6.00	0.00	1000895	110098.5
9/15/22 13:57	0.00	75.34	509.8	1670.6	1828.3	6.00	0.00	1002356	110259.2
9/15/22 13:58	0.00	75.48	510.5	1669.6	1828.6	6.00	0.00	1001762	110193.8
9/15/22 13:59	0.00	75.32	509.5	1671.0	1827.1	6.00	0.00	1002585	110284.4
9/15/22 14:00	0.00	75.46	508.2	1667.3	1824.7	6.00	0.00	1000393	110043.2
9/15/22 14:01	0.00	75.38	507.6	1666.8	1824.9	6.00	0.00	1000073	110008.0
9/15/22 14:02	0.00	75.35	508.1	1669.7	1825.2	6.00	0.00	1001809	110199.0
9/15/22 14:03	0.00	75.37	508.4	1669.7	1826.0	6.00	0.00	1001809	110199.0
9/15/22 14:04	0.00	75.53	508.1	1669.2	1824.5	6.00	0.00	1001535	110168.9
9/15/22 14:05	0.00	75.54	507.9	1669.4	1824.3	6.00	0.00	1001626	110178.9
9/15/22 14:06	0.00	75.58	508.4	1670.0	1825.1	6.00	0.00	1001992	110219.1
9/15/22 14:07	0.00	75.82	508.4	1667.9	1824.0	6.00	0.00	1000759	110083.5
9/15/22 14:08	0.00	75.42	508.3	1667.9	1824.8	6.00	0.00	1000759	110083.5
9/15/22 14:09	0.00	75.53	509.5	1670.4	1827.2	6.00	0.00	1002265	110249.2
9/15/22 14:10	0.00	75.55	508.9	1670.4	1826.9	6.00	0.00	1002265	110249.2
9/15/22 14:11	0.00	75.53	508.2	1667.6	1824.8	6.00	0.00	1000530	110058.3
Run 4 End - NG	**0.00**	**75.45**	**507.95**	**1669.90**	**1824.29**	**6.00**	**0.00**	**1001937**	**110213.1**
Run 5 Start - NG									
9/15/22 14:42	0.00	75.55	510.1	1669.8	1828.8	6.00	0.00	1001900	110209.0
9/15/22 14:43	0.00	75.44	509.9	1670.2	1828.6	6.00	0.00	1002128	110234.1
9/15/22 14:44	0.00	75.63	509.5	1670.4	1827.7	6.00	0.00	1002220	110244.2
9/15/22 14:45	0.00	75.34	509.2	1672.3	1826.4	6.00	0.00	1003407	110374.8
9/15/22 14:46	0.00	75.19	508.9	1667.9	1825.6	6.00	0.00	1000759	110083.5
9/15/22 14:47	0.00	75.63	509.1	1670.4	1826.4	6.00	0.00	1002220	110244.2
9/15/22 14:48	0.00	75.44	508.9	1671.1	1827.0	6.00	0.00	1002631	110289.4
9/15/22 14:49	0.00	75.62	508.9	1670.9	1827.1	6.00	0.00	1002539	110279.3
9/15/22 14:50	0.00	75.32	508.3	1669.2	1826.1	6.00	0.00	1001535	110168.9
9/15/22 14:51	0.00	75.75	509.5	1670.5	1827.9	6.00	0.00	1002311	110254.2
9/15/22 14:52	0.00	75.35	509.3	1670.4	1827.6	6.00	0.00	1002220	110244.2
9/15/22 14:53	0.00	75.53	509.7	1671.7	1827.3	6.00	0.00	1002996	110329.6
9/15/22 14:54	0.00	75.39	509.3	1671.0	1826.6	6.00	0.00	1002585	110284.4
9/15/22 14:55	0.00	75.65	509.1	1670.4	1826.7	6.00	0.00	1002220	110244.2
9/15/22 14:56	0.00	75.31	508.6	1671.0	1825.6	6.00	0.00	1002585	110284.4
9/15/22 14:57	0.00	75.34	508.5	1667.3	1825.9	6.00	0.00	1000393	110043.2
9/15/22 14:58	0.00	75.38	509.9	1671.8	1829.0	6.00	0.00	1003088	110339.7
9/15/22 14:59	0.00	75.51	509.1	1671.6	1827.1	6.00	0.00	1002950	110324.5
9/15/22 15:00	0.00	75.58	508.9	1669.8	1825.7	6.00	0.00	1001854	110203.9
9/15/22 15:01	0.00	75.43	509.1	1669.1	1826.6	6.00	0.00	1001489	110163.8
9/15/22 15:02	0.00	75.54	508.9	1671.0	1826.4	6.00	0.00	1002585	110284.4
9/15/22 15:03	0.00	75.42	508.9	1669.8	1826.8	6.00	0.00	1001854	110203.9
9/15/22 15:04	0.00	75.25	509.3	1669.7	1827.9	6.00	0.00	1001809	110199.0
9/15/22 15:05	0.00	75.47	509.1	1669.2	1827.3	6.00	0.00	1001534	110168.7
9/15/22 15:06	0.00	75.59	509.1	1669.8	1827.2	6.00	0.00	1001854	110203.9
9/15/22 15:07	0.00	75.46	508.9	1669.0	1826.6	6.00	0.00	1001398	110153.8
9/15/22 15:08	0.00	75.50	509.5	1669.1	1828.0	6.00	0.00	1001489	110163.8
9/15/22 15:09	0.00	75.46	509.6	1670.0	1827.6	6.00	0.00	1001991	110219.0
9/15/22 15:10	0.00	75.33	508.8	1669.8	1825.8	6.00	0.00	1001854	110203.9

9/15/22 15:11	0.00	75.37	508.5	1667.2	1825.2	6.00	0.00	1000348	110038.3
9/15/22 15:12	0.00	75.53	508.8	1669.8	1826.1	6.00	0.00	1001854	110203.9
9/15/22 15:13	0.00	75.29	508.8	1669.8	1825.5	6.00	0.00	1001900	110209.0
9/15/22 15:14	0.00	75.21	509.6	1669.8	1827.9	6.00	0.00	1001900	110209.0
9/15/22 15:15	0.00	75.24	509.4	1669.1	1827.2	6.00	0.00	1001443	110158.7
9/15/22 15:16	0.00	75.57	509.7	1671.1	1827.4	6.00	0.00	1002631	110289.4
9/15/22 15:17	0.00	75.33	509.3	1670.4	1826.7	6.00	0.00	1002220	110244.2
9/15/22 15:18	0.00	75.41	509.7	1667.9	1828.3	6.00	0.00	1000759	110083.5
9/15/22 15:19	0.00	75.50	510.4	1670.3	1830.4	6.00	0.00	1002174	110239.1
9/15/22 15:20	0.00	75.81	509.7	1670.4	1828.6	6.00	0.00	1002220	110244.2
9/15/22 15:21	0.00	75.69	509.5	1668.6	1828.3	6.00	0.00	1001169	110128.6
9/15/22 15:22	0.00	75.63	509.5	1668.5	1827.8	6.00	0.00	1001124	110123.6
9/15/22 15:23	0.00	75.62	508.9	1671.5	1826.7	6.00	0.00	1002905	110319.6
9/15/22 15:24	0.00	75.56	508.8	1669.8	1826.0	6.00	0.00	1001854	110203.9
9/15/22 15:25	0.00	75.39	508.2	1669.1	1824.5	6.00	0.00	1001443	110158.7
9/15/22 15:26	0.00	75.36	508.7	1669.1	1826.0	6.00	0.00	1001443	110158.7
9/15/22 15:27	0.00	75.67	508.6	1671.6	1825.5	6.00	0.00	1002950	110324.5
9/15/22 15:28	0.00	75.53	508.4	1670.3	1826.1	6.00	0.00	1002174	110239.1
9/15/22 15:29	0.00	75.41	508.6	1669.8	1826.4	6.00	0.00	1001900	110209.0
9/15/22 15:30	0.00	75.64	508.8	1670.8	1826.3	6.00	0.00	1002494	110274.3
9/15/22 15:31	0.00	75.34	508.9	1670.4	1826.3	6.00	0.00	1002220	110244.2
9/15/22 15:32	0.00	75.38	508.9	1668.5	1825.4	6.00	0.00	1001123	110123.5
9/15/22 15:33	0.00	75.36	509.3	1670.9	1827.1	6.00	0.00	1002539	110279.3
9/15/22 15:34	0.00	75.68	509.5	1669.8	1827.1	6.00	0.00	1001854	110203.9
9/15/22 15:35	0.00	75.40	509.1	1671.1	1827.9	6.00	0.00	1002676	110294.4
9/15/22 15:36	0.00	75.31	508.8	1668.5	1827.3	6.00	0.00	1001078	110118.6
9/15/22 15:37	0.00	75.52	509.1	1671.5	1827.3	6.00	0.00	1002905	110319.6
9/15/22 15:38	0.00	75.58	508.6	1669.8	1826.3	6.00	0.00	1001854	110203.9
9/15/22 15:39	0.00	75.40	508.9	1669.1	1826.2	6.00	0.00	1001489	110163.8
9/15/22 15:40	0.00	75.57	509.1	1670.8	1826.6	6.00	0.00	1002494	110274.3
9/15/22 15:41	0.00	75.79	508.3	1672.3	1824.9	6.00	0.00	1003407	110374.8
9/15/22 15:42	0.00	75.48	508.9	1669.1	1826.2	6.00	0.00	1001489	110163.8
Run 5 End - NG	**0.00**	**75.47**	**509.10**	**1670.01**	**1826.86**	**6.00**	**0.00**	**1002007**	**110220.8**
Run 6 Start - NG									
9/15/22 16:11	0.00	75.48	508.3	1667.3	1825.1	6.00	0.00	1000393	110043.2
9/15/22 16:12	0.00	75.44	508.4	1669.1	1825.5	6.00	0.00	1001489	110163.8
9/15/22 16:13	0.00	75.36	508.5	1669.8	1825.4	6.00	0.00	1001854	110203.9
9/15/22 16:14	0.00	75.62	508.1	1666.7	1823.9	6.00	0.00	1000028	110003.1
9/15/22 16:15	0.00	75.80	508.5	1669.1	1825.7	6.00	0.00	1001489	110163.8
9/15/22 16:16	0.00	75.62	508.4	1669.8	1825.4	6.00	0.00	1001854	110203.9
9/15/22 16:17	0.00	75.56	508.2	1668.5	1824.9	6.00	0.00	1001123	110123.5
9/15/22 16:18	0.00	75.33	507.9	1668.0	1824.5	6.00	0.00	1000804	110088.4
9/15/22 16:19	0.00	75.45	508.1	1668.3	1824.8	6.00	0.00	1000987	110108.6
9/15/22 16:20	0.00	75.40	507.9	1669.7	1824.7	6.00	0.00	1001809	110199.0
9/15/22 16:21	0.00	75.42	507.7	1666.8	1823.3	6.00	0.00	1000073	110008.0
9/15/22 16:22	0.00	75.41	508.3	1668.5	1825.8	6.00	0.00	1001123	110123.5
9/15/22 16:23	0.00	75.77	508.3	1670.4	1826.0	6.00	0.00	1002220	110244.2
9/15/22 16:24	0.00	75.42	508.3	1668.8	1825.6	6.00	0.00	1001261	110138.7
9/15/22 16:25	0.00	75.34	507.9	1667.4	1825.1	6.00	0.00	1000439	110048.3
9/15/22 16:26	0.00	75.65	508.2	1669.1	1825.9	6.00	0.00	1001443	110158.7
9/15/22 16:27	0.00	75.57	508.4	1668.5	1825.1	6.00	0.00	1001078	110118.6
9/15/22 16:28	0.00	75.56	507.9	1668.2	1824.1	6.00	0.00	1000941	110103.5
9/15/22 16:29	0.00	75.46	508.0	1667.9	1824.2	6.00	0.00	1000712	110078.3
9/15/22 16:30	0.00	75.31	508.1	1669.8	1824.1	6.00	0.00	1001854	110203.9
9/15/22 16:31	0.00	75.36	507.5	1667.9	1823.2	6.00	0.00	1000712	110078.3
9/15/22 16:32	0.00	75.23	507.4	1667.9	1823.6	6.00	0.00	1000759	110083.5
9/15/22 16:33	0.00	75.86	507.8	1669.8	1824.8	6.00	0.00	1001854	110203.9
9/15/22 16:34	0.00	75.58	507.9	1669.1	1824.7	6.00	0.00	1001489	110163.8
9/15/22 16:35	0.00	75.45	507.7	1666.7	1823.8	6.00	0.00	1000028	110003.1
9/15/22 16:36	0.00	75.61	507.8	1666.8	1823.8	6.00	0.00	1000073	110008.0
9/15/22 16:37	0.00	75.47	507.8	1669.8	1823.7	6.00	0.00	1001900	110209.0
9/15/22 16:38	0.00	75.46	507.7	1667.9	1824.1	6.00	0.00	1000759	110083.5
9/15/22 16:39	0.00	75.40	507.7	1667.9	1824.4	6.00	0.00	1000759	110083.5
9/15/22 16:40	0.00	75.63	508.3	1669.8	1825.5	6.00	0.00	1001854	110203.9
9/15/22 16:41	0.00	75.67	507.7	1668.5	1824.7	6.00	0.00	1001123	110123.5
9/15/22 16:42	0.00	75.59	507.8	1667.4	1824.6	6.00	0.00	1000439	110048.3
9/15/22 16:43	0.00	75.44	507.8	1667.9	1823.9	6.00	0.00	1000758	110083.4
9/15/22 16:44	0.00	75.39	507.9	1669.8	1824.1	6.00	0.00	1001854	110203.9
9/15/22 16:45	0.00	75.90	507.8	1668.5	1823.6	6.00	0.00	1001123	110123.5
9/15/22 16:46	0.00	75.42	507.7	1668.5	1823.7	6.00	0.00	1001078	110118.6
9/15/22 16:47	0.00	75.49	507.3	1670.2	1823.6	6.00	0.00	1002128	110234.1

9/15/22 16:48	0.00	75.79	507.1	1667.9	1822.8	6.00	0.00	1000712	110078.3
9/15/22 16:49	0.00	75.47	506.7	1666.1	1822.1	6.00	0.00	999662	109962.9
9/15/22 16:50	0.00	75.38	506.7	1669.5	1821.7	6.00	0.00	1001672	110183.9
9/15/22 16:51	0.00	75.53	506.5	1667.4	1821.0	6.00	0.00	1000439	110048.3
9/15/22 16:52	0.00	75.56	506.1	1666.7	1820.4	6.00	0.00	1000028	110003.1
9/15/22 16:53	0.00	75.54	505.9	1667.4	1820.6	6.00	0.00	1000439	110048.3
9/15/22 16:54	0.00	75.66	505.5	1668.2	1820.2	6.00	0.00	1000895	110098.5
9/15/22 16:55	0.00	75.47	505.5	1667.4	1820.1	6.00	0.00	1000439	110048.3
9/15/22 16:56	0.00	75.29	505.5	1666.3	1820.1	6.00	0.00	999799	109977.9
9/15/22 16:57	0.00	75.70	505.3	1669.2	1819.3	6.00	0.00	1001535	110168.9
9/15/22 16:58	0.00	75.28	505.1	1667.9	1818.3	6.00	0.00	1000713	110078.4
9/15/22 16:59	0.00	75.56	504.9	1667.6	1818.0	6.00	0.00	1000530	110058.3
9/15/22 17:00	0.00	75.63	504.8	1668.5	1817.9	6.00	0.00	1001123	110123.5
9/15/22 17:01	0.00	75.51	504.8	1666.7	1817.6	6.00	0.00	1000028	110003.1
9/15/22 17:02	0.00	75.44	504.5	1666.2	1817.4	6.00	0.00	999708	109967.9
9/15/22 17:03	0.00	75.50	504.5	1668.0	1817.9	6.00	0.00	1000804	110088.4
9/15/22 17:04	0.00	75.49	504.5	1668.6	1817.6	6.00	0.00	1001169	110128.6
9/15/22 17:05	0.00	75.86	504.4	1668.0	1817.7	6.00	0.00	1000804	110088.4
9/15/22 17:06	0.00	75.23	504.7	1667.3	1817.9	6.00	0.00	1000393	110043.2
9/15/22 17:07	0.00	75.71	505.0	1669.2	1817.9	6.00	0.00	1001535	110168.9
9/15/22 17:08	0.00	75.21	505.1	1667.3	1817.9	6.00	0.00	1000393	110043.2
9/15/22 17:09	0.00	75.41	505.3	1667.9	1818.6	6.00	0.00	1000712	110078.3
9/15/22 17:10	0.00	75.46	505.4	1669.5	1819.9	6.00	0.00	1001717	110188.9
9/15/22 17:11	0.00	75.69	504.9	1667.4	1819.3	6.00	0.00	1000439	110048.3
Run 6 End - NG	**0.00**	**75.51**	**506.94**	**1668.23**	**1822.47**	**6.00**	**0.00**	**1000940**	**110103.4**
Run 7 Start - NG									
9/15/22 17:29	0.00	75.68	504.7	1668.5	1818.9	6.00	0.00	1001123	110123.5
9/15/22 17:30	0.00	75.46	505.1	1669.1	1819.1	6.00	0.00	1001443	110158.7
9/15/22 17:31	0.00	75.40	505.3	1666.1	1818.7	6.00	0.00	999662	109962.9
9/15/22 17:32	0.00	75.64	505.1	1668.5	1818.3	6.00	0.00	1001123	110123.5
9/15/22 17:33	0.00	75.56	505.1	1669.2	1818.6	6.00	0.00	1001535	110168.9
9/15/22 17:34	0.00	75.48	505.1	1668.8	1818.2	6.00	0.00	1001306	110143.7
9/15/22 17:35	0.00	75.58	504.7	1668.6	1818.3	6.00	0.00	1001170	110128.7
9/15/22 17:36	0.00	75.45	504.9	1669.1	1818.4	6.00	0.00	1001443	110158.7
9/15/22 17:37	0.00	75.47	504.7	1669.4	1817.4	6.00	0.00	1001626	110178.9
9/15/22 17:38	0.00	75.51	504.7	1666.7	1817.1	6.00	0.00	1000028	110003.1
9/15/22 17:39	0.00	75.55	504.5	1668.5	1817.6	6.00	0.00	1001123	110123.5
9/15/22 17:40	0.00	75.69	504.3	1669.3	1817.4	6.00	0.00	1001580	110173.8
9/15/22 17:41	0.00	75.50	504.5	1668.7	1817.6	6.00	0.00	1001215	110133.7
9/15/22 17:42	0.00	75.07	504.4	1668.5	1818.2	6.00	0.00	1001078	110118.6
9/15/22 17:43	0.00	75.42	504.0	1670.7	1817.1	6.00	0.00	1002402	110264.2
9/15/22 17:44	0.00	75.51	503.7	1669.1	1816.1	6.00	0.00	1001489	110163.8
9/15/22 17:45	0.00	75.56	503.6	1667.8	1816.2	6.00	0.00	1000667	110073.4
9/15/22 17:46	0.00	75.44	503.7	1670.0	1815.8	6.00	0.00	1001991	110219.0
9/15/22 17:47	0.00	75.66	503.2	1669.2	1814.5	6.00	0.00	1001534	110168.7
9/15/22 17:48	0.00	75.21	503.3	1668.5	1814.6	6.00	0.00	1001123	110123.5
9/15/22 17:49	0.00	75.74	503.3	1669.8	1815.2	6.00	0.00	1001854	110203.9
9/15/22 17:50	0.00	75.81	503.1	1668.0	1814.5	6.00	0.00	1000804	110088.4
9/15/22 17:51	0.00	75.65	503.2	1668.0	1815.2	6.00	0.00	1000804	110088.4
9/15/22 17:52	0.00	75.62	503.1	1669.9	1814.8	6.00	0.00	1001945	110214.0
9/15/22 17:53	0.00	75.77	503.1	1668.6	1813.9	6.00	0.00	1001170	110128.7
9/15/22 17:54	0.00	75.44	502.9	1668.0	1813.9	6.00	0.00	1000804	110088.4
9/15/22 17:55	0.00	75.45	503.0	1669.2	1814.3	6.00	0.00	1001535	110168.9
9/15/22 17:56	0.00	75.66	502.9	1669.8	1814.5	6.00	0.00	1001900	110209.0
9/15/22 17:57	0.00	75.36	502.5	1667.2	1813.8	6.00	0.00	1000348	110038.3
9/15/22 17:58	0.00	75.33	502.5	1667.9	1814.1	6.00	0.00	1000758	110083.4
9/15/22 17:59	0.00	75.79	502.0	1669.3	1813.0	6.00	0.00	1001581	110173.9
9/15/22 18:00	0.00	75.57	502.0	1668.0	1812.0	6.00	0.00	1000804	110088.4
9/15/22 18:01	0.00	75.34	501.8	1668.6	1811.7	6.00	0.00	1001170	110128.7
9/15/22 18:02	0.00	75.65	501.2	1668.9	1810.7	6.00	0.00	1001352	110148.7
9/15/22 18:03	0.00	75.53	500.8	1667.1	1809.4	6.00	0.00	1000256	110028.2
9/15/22 18:04	0.00	75.35	501.0	1667.9	1810.7	6.00	0.00	1000759	110083.5
9/15/22 18:05	0.00	75.66	500.8	1669.8	1809.7	6.00	0.00	1001854	110203.9
9/15/22 18:06	0.00	75.34	500.6	1667.0	1809.1	6.00	0.00	1000210	110023.1
9/15/22 18:07	0.00	75.74	500.6	1666.7	1809.1	6.00	0.00	1000028	110003.1
9/15/22 18:08	0.00	75.83	500.4	1668.0	1809.1	6.00	0.00	1000804	110088.4
9/15/22 18:09	0.00	75.58	500.7	1667.4	1809.4	6.00	0.00	1000439	110048.3
9/15/22 18:10	0.00	75.53	500.6	1667.3	1809.1	6.00	0.00	1000393	110043.2
9/15/22 18:11	0.00	75.86	500.3	1668.4	1809.4	6.00	0.00	1001032	110113.5
9/15/22 18:12	0.00	75.83	500.0	1668.0	1808.6	6.00	0.00	1000804	110088.4
9/15/22 18:13	0.00	75.44	499.8	1668.1	1808.6	6.00	0.00	1000850	110093.5

McI CT1 Process Data
Averaged Data Gaseous

9/15/22 18:14	0.00	75.37	499.4	1667.4	1807.8	6.00	0.00	1000439	110048.3
9/15/22 18:15	0.00	75.47	499.6	1668.1	1808.0	6.00	0.00	1000850	110093.5
9/15/22 18:16	0.00	75.63	499.0	1665.7	1806.2	6.00	0.00	999434	109937.7
9/15/22 18:17	0.00	75.62	499.4	1667.5	1806.7	6.00	0.00	1000484	110053.2
9/15/22 18:18	0.00	75.47	499.1	1667.2	1806.1	6.00	0.00	1000348	110038.3
9/15/22 18:19	0.00	75.42	499.1	1667.6	1806.1	6.00	0.00	1000530	110058.3
9/15/22 18:20	0.00	75.47	499.5	1668.2	1807.8	6.00	0.00	1000895	110098.5
9/15/22 18:21	0.00	75.62	499.2	1668.0	1806.7	6.00	0.00	1000804	110088.4
9/15/22 18:22	0.00	75.53	499.0	1666.2	1806.7	6.00	0.00	999708	109967.9
9/15/22 18:23	0.00	75.36	499.2	1668.6	1806.6	6.00	0.00	1001169	110128.6
9/15/22 18:24	0.00	75.31	499.1	1669.8	1806.7	6.00	0.00	1001900	110209.0
9/15/22 18:25	0.00	75.45	498.9	1665.0	1805.6	6.00	0.00	999023	109892.6
9/15/22 18:26	0.00	75.30	498.9	1668.6	1806.3	6.00	0.00	1001170	110128.7
9/15/22 18:27	0.00	75.44	498.7	1668.5	1806.6	6.00	0.00	1001124	110123.6
9/15/22 18:28	0.00	75.22	498.3	1664.4	1805.4	6.00	0.00	998612	109847.3
9/15/22 18:29	0.00	75.31	498.3	1668.1	1805.7	6.00	0.00	1000850	110093.5
Run 7 End - NG	**0.00**	**75.52**	**501.90**	**1668.20**	**1812.24**	**6.00**	**0.00**	**1000922**	**110101.5**
Run 1 Start - FO									
9/17/22 08:32	122.94	75.65	506.1	0.0	1823.2	0.00	6.00	0	1077.0
9/17/22 08:33	123.10	75.64	506.1	0.0	1822.8	0.00	6.00	0	1078.3
9/17/22 08:34	123.10	75.40	506.1	0.0	1823.3	0.00	6.00	0	1078.3
9/17/22 08:35	122.96	75.26	506.1	0.0	1824.3	0.00	6.00	0	1077.1
9/17/22 08:36	122.75	75.57	506.1	0.0	1823.4	0.00	6.00	0	1075.3
9/17/22 08:37	123.01	75.53	506.1	0.0	1823.5	0.00	6.00	0	1077.6
9/17/22 08:38	123.05	75.35	506.1	0.0	1823.7	0.00	6.00	0	1077.9
9/17/22 08:39	123.01	75.46	506.4	0.0	1824.2	0.00	6.00	0	1077.6
9/17/22 08:40	123.28	75.42	506.3	0.0	1823.5	0.00	6.00	0	1079.9
9/17/22 08:41	123.64	75.47	506.3	0.0	1823.5	0.00	6.00	0	1083.1
9/17/22 08:42	123.49	75.41	506.5	0.0	1823.6	0.00	6.00	0	1081.8
9/17/22 08:43	123.10	75.55	506.5	0.0	1823.6	0.00	6.00	0	1078.3
9/17/22 08:44	123.19	75.56	507.1	0.0	1824.8	0.00	6.00	0	1079.1
9/17/22 08:45	123.12	75.36	506.9	0.0	1824.7	0.00	6.00	0	1078.5
9/17/22 08:46	123.28	75.23	507.3	0.0	1825.1	0.00	6.00	0	1080.0
9/17/22 08:47	122.73	75.31	507.1	0.0	1824.8	0.00	6.00	0	1075.1
9/17/22 08:48	122.67	75.52	507.0	0.0	1824.4	0.00	6.00	0	1074.6
9/17/22 08:49	122.41	75.82	507.3	0.0	1824.6	0.00	6.00	0	1072.3
9/17/22 08:50	122.42	76.04	507.4	0.0	1825.5	0.00	6.00	0	1072.4
9/17/22 08:51	122.97	75.53	507.4	0.0	1826.8	0.00	6.00	0	1077.2
9/17/22 08:52	123.05	75.51	507.4	0.0	1826.1	0.00	6.00	0	1077.9
9/17/22 08:53	123.14	75.38	507.3	0.0	1825.4	0.00	6.00	0	1078.7
9/17/22 08:54	123.39	75.28	507.7	0.0	1826.6	0.00	6.00	0	1080.9
9/17/22 08:55	123.33	75.51	507.4	0.0	1825.7	0.00	6.00	0	1080.4
9/17/22 08:56	123.05	75.47	507.4	0.0	1825.3	0.00	6.00	0	1077.9
9/17/22 08:57	122.69	75.31	507.7	0.0	1825.8	0.00	6.00	0	1074.8
9/17/22 08:58	122.90	74.95	507.7	0.0	1826.6	0.00	6.00	0	1076.6
9/17/22 08:59	122.55	75.37	507.6	0.0	1826.3	0.00	6.00	0	1073.6
9/17/22 09:00	122.75	75.46	507.7	0.0	1826.3	0.00	6.00	0	1075.3
9/17/22 09:01	123.01	75.65	507.8	0.0	1826.5	0.00	6.00	0	1077.6
9/17/22 09:02	123.00	75.83	508.3	0.0	1827.0	0.00	6.00	0	1077.5
9/17/22 09:03	123.01	75.34	508.4	0.0	1827.8	0.00	6.00	0	1077.6
9/17/22 09:04	122.65	75.54	508.4	0.0	1827.3	0.00	6.00	0	1074.4
9/17/22 09:05	122.66	75.40	508.4	0.0	1827.3	0.00	6.00	0	1074.5
9/17/22 09:06	122.55	75.53	508.3	0.0	1827.6	0.00	6.00	0	1073.6
9/17/22 09:07	123.04	75.53	508.4	0.0	1828.3	0.00	6.00	0	1077.8
9/17/22 09:08	122.99	75.23	508.4	0.0	1828.6	0.00	6.00	0	1077.4
9/17/22 09:09	122.81	75.57	508.4	0.0	1827.8	0.00	6.00	0	1075.9
9/17/22 09:10	122.60	75.74	508.4	0.0	1828.3	0.00	6.00	0	1074.0
9/17/22 09:11	122.43	75.85	508.4	0.0	1828.2	0.00	6.00	0	1072.5
9/17/22 09:12	122.28	75.50	508.4	0.0	1827.7	0.00	6.00	0	1071.2
9/17/22 09:13	122.70	75.58	508.4	0.0	1827.8	0.00	6.00	0	1074.9
9/17/22 09:14	122.55	75.62	508.4	0.0	1827.4	0.00	6.00	0	1073.6
9/17/22 09:15	122.86	75.87	508.6	0.0	1828.6	0.00	6.00	0	1076.2
9/17/22 09:16	122.75	74.81	508.5	0.0	1828.6	0.00	6.00	0	1075.3
9/17/22 09:17	122.64	75.71	508.5	0.0	1828.4	0.00	6.00	0	1074.3
9/17/22 09:18	122.96	75.24	509.5	0.0	1829.3	0.00	6.00	0	1077.1
9/17/22 09:19	123.19	75.30	509.6	0.0	1829.4	0.00	6.00	0	1079.2
9/17/22 09:20	123.19	75.82	509.5	0.0	1828.9	0.00	6.00	0	1079.2
9/17/22 09:21	122.94	75.44	509.2	0.0	1828.8	0.00	6.00	0	1077.0
9/17/22 09:22	123.04	75.45	509.7	0.0	1829.9	0.00	6.00	0	1077.8
9/17/22 09:23	122.93	75.46	509.0	0.0	1828.9	0.00	6.00	0	1076.9

9/17/22 09:24	122.80	75.39	509.0	0.0	1829.2	0.00	6.00	0	1075.7
9/17/22 09:25	122.64	75.43	509.4	0.0	1829.7	0.00	6.00	0	1074.3
9/17/22 09:26	122.64	75.70	509.2	0.0	1829.2	0.00	6.00	0	1074.3
9/17/22 09:27	122.75	75.21	509.7	0.0	1830.5	0.00	6.00	0	1075.3
9/17/22 09:28	123.00	75.23	509.6	0.0	1830.4	0.00	6.00	0	1077.5
9/17/22 09:29	123.18	75.40	509.9	0.0	1830.2	0.00	6.00	0	1079.1
9/17/22 09:30	123.05	75.42	509.9	0.0	1830.5	0.00	6.00	0	1077.9
9/17/22 09:31	122.89	75.22	509.9	0.0	1830.1	0.00	6.00	0	1076.5
9/17/22 09:32	122.64	75.37	509.7	0.0	1829.7	0.00	6.00	0	1074.4
Run 1 End - FO	**122.91**	**75.47**	**507.95**	**0.00**	**1826.81**	**0.00**	**6.00**	**0**	**1076.7**
Run 2 Start - FO									
9/17/22 09:42	123.19	75.48	509.9	0.0	1831.3	0.00	6.00	0	1079.1
9/17/22 09:43	123.38	75.29	509.7	0.0	1829.9	0.00	6.00	0	1080.8
9/17/22 09:44	123.64	75.41	509.7	0.0	1829.9	0.00	6.00	0	1083.1
9/17/22 09:45	123.59	75.35	509.7	0.0	1829.7	0.00	6.00	0	1082.6
9/17/22 09:46	123.68	75.47	509.9	0.0	1830.7	0.00	6.00	0	1083.4
9/17/22 09:47	123.49	75.45	509.7	0.0	1830.6	0.00	6.00	0	1081.7
9/17/22 09:48	123.05	75.70	509.7	0.0	1830.6	0.00	6.00	0	1077.9
9/17/22 09:49	123.49	75.37	509.8	0.0	1830.8	0.00	6.00	0	1081.7
9/17/22 09:50	123.05	75.45	510.7	0.0	1831.8	0.00	6.00	0	1077.9
9/17/22 09:51	123.77	75.77	509.9	0.0	1831.0	0.00	6.00	0	1084.2
9/17/22 09:52	123.64	75.24	510.0	0.0	1830.6	0.00	6.00	0	1083.1
9/17/22 09:53	123.63	75.69	510.0	0.0	1830.4	0.00	6.00	0	1083.0
9/17/22 09:54	122.97	75.51	509.8	0.0	1830.2	0.00	6.00	0	1077.2
9/17/22 09:55	123.01	75.54	510.0	0.0	1831.2	0.00	6.00	0	1077.6
9/17/22 09:56	123.10	75.45	510.6	0.0	1832.0	0.00	6.00	0	1078.3
9/17/22 09:57	123.53	75.18	509.9	0.0	1830.8	0.00	6.00	0	1082.2
9/17/22 09:58	124.22	75.27	509.7	0.0	1831.0	0.00	6.00	0	1088.2
9/17/22 09:59	124.57	75.47	510.2	0.0	1831.7	0.00	6.00	0	1091.3
9/17/22 10:00	124.75	75.50	511.2	0.0	1833.6	0.00	6.00	0	1092.8
9/17/22 10:01	124.48	75.92	511.6	0.0	1834.2	0.00	6.00	0	1090.4
9/17/22 10:02	124.07	75.25	511.2	0.0	1833.2	0.00	6.00	0	1086.9
9/17/22 10:03	124.76	75.18	510.8	0.0	1832.2	0.00	6.00	0	1092.9
9/17/22 10:04	124.16	75.36	510.8	0.0	1832.9	0.00	6.00	0	1087.7
9/17/22 10:05	124.70	75.55	510.8	0.0	1833.2	0.00	6.00	0	1092.4
9/17/22 10:06	124.08	75.55	510.8	0.0	1833.5	0.00	6.00	0	1087.0
9/17/22 10:07	123.86	75.70	511.3	0.0	1833.8	0.00	6.00	0	1085.1
9/17/22 10:08	124.08	75.75	511.4	0.0	1834.2	0.00	6.00	0	1087.0
9/17/22 10:09	124.17	75.35	510.8	0.0	1833.0	0.00	6.00	0	1087.7
9/17/22 10:10	124.26	75.41	510.8	0.0	1833.6	0.00	6.00	0	1088.5
9/17/22 10:11	123.78	75.18	511.3	0.0	1834.3	0.00	6.00	0	1084.3
9/17/22 10:12	124.60	75.38	511.7	0.0	1834.9	0.00	6.00	0	1091.5
9/17/22 10:13	124.11	75.54	511.7	0.0	1835.2	0.00	6.00	0	1087.2
9/17/22 10:14	123.81	75.74	511.7	0.0	1834.8	0.00	6.00	0	1084.6
9/17/22 10:15	124.15	75.49	511.7	0.0	1834.5	0.00	6.00	0	1087.6
9/17/22 10:16	124.14	75.36	511.6	0.0	1834.5	0.00	6.00	0	1087.5
9/17/22 10:17	124.14	75.32	511.7	0.0	1834.2	0.00	6.00	0	1087.5
9/17/22 10:18	123.97	75.40	511.1	0.0	1833.5	0.00	6.00	0	1086.0
9/17/22 10:19	124.03	75.53	511.2	0.0	1834.1	0.00	6.00	0	1086.5
9/17/22 10:20	123.33	75.55	511.8	0.0	1836.1	0.00	6.00	0	1080.4
9/17/22 10:21	123.44	75.60	512.5	0.0	1836.3	0.00	6.00	0	1081.4
9/17/22 10:22	123.19	75.52	512.0	0.0	1835.3	0.00	6.00	0	1079.2
9/17/22 10:23	123.78	75.47	510.8	0.0	1833.2	0.00	6.00	0	1084.3
9/17/22 10:24	124.36	75.65	511.0	0.0	1834.1	0.00	6.00	0	1089.4
9/17/22 10:25	123.61	75.52	511.4	0.0	1834.2	0.00	6.00	0	1082.8
9/17/22 10:26	123.58	75.46	511.9	0.0	1835.8	0.00	6.00	0	1082.5
9/17/22 10:27	123.92	75.40	511.9	0.0	1835.6	0.00	6.00	0	1085.5
9/17/22 10:28	123.95	75.55	511.0	0.0	1834.2	0.00	6.00	0	1085.8
9/17/22 10:29	123.50	75.83	511.0	0.0	1833.9	0.00	6.00	0	1081.8
9/17/22 10:30	123.08	75.48	511.2	0.0	1834.1	0.00	6.00	0	1078.2
9/17/22 10:31	123.38	75.59	511.9	0.0	1834.8	0.00	6.00	0	1080.8
9/17/22 10:32	123.55	75.59	511.9	0.0	1834.6	0.00	6.00	0	1082.3
9/17/22 10:33	123.63	75.44	511.6	0.0	1833.9	0.00	6.00	0	1083.0
9/17/22 10:34	123.77	75.69	511.9	0.0	1834.8	0.00	6.00	0	1084.2
9/17/22 10:35	123.81	75.03	512.1	0.0	1836.6	0.00	6.00	0	1084.6
9/17/22 10:36	123.81	75.69	512.5	0.0	1837.0	0.00	6.00	0	1084.6
9/17/22 10:37	123.59	75.52	511.9	0.0	1835.0	0.00	6.00	0	1082.6
9/17/22 10:38	123.38	75.28	511.9	0.0	1834.6	0.00	6.00	0	1080.8
9/17/22 10:39	123.72	75.62	511.8	0.0	1834.7	0.00	6.00	0	1083.8
9/17/22 10:40	123.77	75.48	511.9	0.0	1835.4	0.00	6.00	0	1084.2
9/17/22 10:41	124.01	75.67	511.9	0.0	1834.8	0.00	6.00	0	1086.3

9/17/22 10:42	124.31	75.76	511.9	0.0	1835.5	0.00	6.00	0	1089.0
Run 2 End - FO	**123.80**	**75.49**	**511.04**	**0.00**	**1833.38**	**0.00**	**6.00**	**0**	**1084.5**
Run 3 Start - FO									
9/17/22 10:52	123.98	75.47	512.6	0.0	1837.1	0.00	6.00	0	1086.1
9/17/22 10:53	124.27	75.53	512.9	0.0	1837.7	0.00	6.00	0	1088.6
9/17/22 10:54	123.95	75.38	513.1	0.0	1838.0	0.00	6.00	0	1085.8
9/17/22 10:55	123.42	75.60	511.9	0.0	1835.5	0.00	6.00	0	1081.2
9/17/22 10:56	123.63	75.78	512.1	0.0	1835.4	0.00	6.00	0	1083.0
9/17/22 10:57	123.81	75.62	513.5	0.0	1838.9	0.00	6.00	0	1084.6
9/17/22 10:58	124.17	75.71	514.3	0.0	1840.5	0.00	6.00	0	1087.7
9/17/22 10:59	124.22	75.22	514.9	0.0	1842.5	0.00	6.00	0	1088.2
9/17/22 11:00	123.97	75.41	514.5	0.0	1841.5	0.00	6.00	0	1086.0
9/17/22 11:01	124.08	75.60	514.3	0.0	1841.0	0.00	6.00	0	1087.0
9/17/22 11:02	123.82	75.57	514.3	0.0	1840.8	0.00	6.00	0	1084.6
9/17/22 11:03	123.77	75.64	514.3	0.0	1840.4	0.00	6.00	0	1084.2
9/17/22 11:04	123.63	75.08	514.3	0.0	1840.2	0.00	6.00	0	1083.0
9/17/22 11:05	123.64	75.33	514.8	0.0	1841.1	0.00	6.00	0	1083.1
9/17/22 11:06	123.68	75.61	513.4	0.0	1838.4	0.00	6.00	0	1083.4
9/17/22 11:07	123.74	75.53	513.6	0.0	1838.9	0.00	6.00	0	1083.9
9/17/22 11:08	123.72	75.42	514.3	0.0	1840.1	0.00	6.00	0	1083.8
9/17/22 11:09	123.68	75.59	513.9	0.0	1840.2	0.00	6.00	0	1083.4
9/17/22 11:10	123.97	75.36	514.4	0.0	1842.0	0.00	6.00	0	1086.0
9/17/22 11:11	123.92	75.51	514.3	0.0	1840.5	0.00	6.00	0	1085.5
9/17/22 11:12	124.03	75.57	514.5	0.0	1840.4	0.00	6.00	0	1086.5
9/17/22 11:13	124.28	75.31	514.5	0.0	1840.7	0.00	6.00	0	1088.7
9/17/22 11:14	123.97	75.69	515.0	0.0	1841.3	0.00	6.00	0	1086.0
9/17/22 11:15	123.38	75.76	514.9	0.0	1841.5	0.00	6.00	0	1080.8
9/17/22 11:16	123.90	75.48	514.3	0.0	1840.4	0.00	6.00	0	1085.3
9/17/22 11:17	124.50	75.49	514.3	0.0	1840.9	0.00	6.00	0	1090.6
9/17/22 11:18	124.26	75.27	515.1	0.0	1841.7	0.00	6.00	0	1088.5
9/17/22 11:19	123.83	75.38	515.1	0.0	1841.5	0.00	6.00	0	1084.8
9/17/22 11:20	124.40	75.29	513.9	0.0	1839.6	0.00	6.00	0	1089.7
9/17/22 11:21	124.33	75.71	514.1	0.0	1839.8	0.00	6.00	0	1089.1
9/17/22 11:22	124.15	75.39	513.5	0.0	1838.9	0.00	6.00	0	1087.5
9/17/22 11:23	124.03	75.42	513.9	0.0	1839.6	0.00	6.00	0	1086.5
9/17/22 11:24	124.31	75.87	514.4	0.0	1840.5	0.00	6.00	0	1089.0
9/17/22 11:25	124.40	75.60	513.4	0.0	1839.2	0.00	6.00	0	1089.7
9/17/22 11:26	124.49	75.50	513.8	0.0	1839.5	0.00	6.00	0	1090.6
9/17/22 11:27	124.60	75.25	514.3	0.0	1840.5	0.00	6.00	0	1091.5
9/17/22 11:28	124.66	75.48	515.0	0.0	1841.7	0.00	6.00	0	1092.0
9/17/22 11:29	124.74	75.65	515.1	0.0	1841.9	0.00	6.00	0	1092.7
9/17/22 11:30	124.36	75.47	515.5	0.0	1841.8	0.00	6.00	0	1089.4
9/17/22 11:31	124.45	75.62	515.5	0.0	1842.7	0.00	6.00	0	1090.2
9/17/22 11:32	123.76	75.71	515.5	0.0	1843.2	0.00	6.00	0	1084.1
9/17/22 11:33	124.35	75.30	515.3	0.0	1842.9	0.00	6.00	0	1089.3
9/17/22 11:34	125.53	75.28	514.3	0.0	1840.7	0.00	6.00	0	1099.6
9/17/22 11:35	125.72	75.31	515.7	0.0	1843.6	0.00	6.00	0	1101.3
9/17/22 11:36	125.18	75.51	515.8	0.0	1844.2	0.00	6.00	0	1096.6
9/17/22 11:37	125.04	75.37	516.8	0.0	1844.5	0.00	6.00	0	1095.4
9/17/22 11:38	124.77	75.34	515.5	0.0	1843.3	0.00	6.00	0	1093.0
9/17/22 11:39	123.77	75.60	515.5	0.0	1844.1	0.00	6.00	0	1084.3
9/17/22 11:40	123.25	75.38	516.1	0.0	1844.5	0.00	6.00	0	1079.7
9/17/22 11:41	123.87	75.31	515.9	0.0	1844.3	0.00	6.00	0	1085.1
9/17/22 11:42	123.24	75.21	515.5	0.0	1843.6	0.00	6.00	0	1079.5
9/17/22 11:43	123.14	75.73	515.5	0.0	1842.4	0.00	6.00	0	1078.7
9/17/22 11:44	123.46	75.70	514.7	0.0	1841.1	0.00	6.00	0	1081.5
9/17/22 11:45	123.37	75.44	515.1	0.0	1841.7	0.00	6.00	0	1080.7
9/17/22 11:46	123.42	75.22	515.5	0.0	1843.4	0.00	6.00	0	1081.1
9/17/22 11:47	123.87	75.38	515.7	0.0	1844.5	0.00	6.00	0	1085.1
9/17/22 11:48	123.71	75.65	515.5	0.0	1843.6	0.00	6.00	0	1083.7
9/17/22 11:49	123.28	75.60	515.5	0.0	1843.1	0.00	6.00	0	1079.9
9/17/22 11:50	123.17	75.22	515.5	0.0	1843.7	0.00	6.00	0	1079.0
9/17/22 11:51	123.17	75.53	515.5	0.0	1843.0	0.00	6.00	0	1079.0
9/17/22 11:52	123.50	75.56	514.9	0.0	1841.6	0.00	6.00	0	1081.9
Run 3 End - FO	**124.01**	**75.48**	**514.59**	**0.00**	**1841.17**	**0.00**	**6.00**	**0**	**1086.3**
Run 4 Start - FO									
9/17/22 12:11	123.49	75.58	515.1	0.0	1841.4	0.00	6.00	0	1081.8
9/17/22 12:12	123.52	75.21	515.2	0.0	1842.2	0.00	6.00	0	1082.0
9/17/22 12:13	123.63	75.28	515.3	0.0	1842.4	0.00	6.00	0	1083.0
9/17/22 12:14	123.81	75.60	515.3	0.0	1842.4	0.00	6.00	0	1084.6

9/17/22 12:15	123.86	75.33	516.1	0.0	1844.7	0.00	6.00	0	1085.0
9/17/22 12:16	123.13	75.42	515.9	0.0	1843.7	0.00	6.00	0	1078.6
9/17/22 12:17	123.37	75.54	516.3	0.0	1843.8	0.00	6.00	0	1080.7
9/17/22 12:18	122.99	75.51	514.7	0.0	1841.4	0.00	6.00	0	1077.4
9/17/22 12:19	123.08	75.61	514.2	0.0	1839.9	0.00	6.00	0	1078.2
9/17/22 12:20	122.99	75.47	513.4	0.0	1839.2	0.00	6.00	0	1077.4
9/17/22 12:21	123.03	75.63	513.2	0.0	1839.6	0.00	6.00	0	1077.8
9/17/22 12:22	122.84	75.54	513.4	0.0	1839.8	0.00	6.00	0	1076.1
9/17/22 12:23	122.99	75.47	514.2	0.0	1840.5	0.00	6.00	0	1077.4
9/17/22 12:24	122.78	75.68	513.7	0.0	1839.5	0.00	6.00	0	1075.6
9/17/22 12:25	122.69	75.48	514.1	0.0	1841.0	0.00	6.00	0	1074.7
9/17/22 12:26	122.80	75.34	514.3	0.0	1841.0	0.00	6.00	0	1075.7
9/17/22 12:27	122.69	75.79	514.3	0.0	1840.4	0.00	6.00	0	1074.7
9/17/22 12:28	122.95	75.36	514.3	0.0	1840.4	0.00	6.00	0	1077.0
9/17/22 12:29	122.94	75.69	514.3	0.0	1841.2	0.00	6.00	0	1077.0
9/17/22 12:30	122.87	75.67	514.9	0.0	1842.1	0.00	6.00	0	1076.3
9/17/22 12:31	123.04	75.68	514.3	0.0	1840.8	0.00	6.00	0	1077.8
9/17/22 12:32	123.00	75.71	514.5	0.0	1841.4	0.00	6.00	0	1077.5
9/17/22 12:33	123.22	75.36	514.9	0.0	1841.5	0.00	6.00	0	1079.4
9/17/22 12:34	123.17	75.71	514.3	0.0	1840.1	0.00	6.00	0	1079.0
9/17/22 12:35	123.28	75.42	513.9	0.0	1839.5	0.00	6.00	0	1079.9
9/17/22 12:36	123.57	75.75	515.9	0.0	1844.5	0.00	6.00	0	1082.5
9/17/22 12:37	123.61	75.42	515.8	0.0	1844.7	0.00	6.00	0	1082.9
9/17/22 12:38	123.80	75.51	515.7	0.0	1844.0	0.00	6.00	0	1084.5
9/17/22 12:39	123.57	75.04	515.7	0.0	1844.8	0.00	6.00	0	1082.4
9/17/22 12:40	123.50	75.47	515.9	0.0	1844.1	0.00	6.00	0	1081.9
9/17/22 12:41	123.52	75.56	516.8	0.0	1845.4	0.00	6.00	0	1082.0
9/17/22 12:42	123.63	75.57	516.8	0.0	1845.0	0.00	6.00	0	1083.0
9/17/22 12:43	123.56	75.67	515.5	0.0	1842.6	0.00	6.00	0	1082.4
9/17/22 12:44	123.53	75.66	515.9	0.0	1843.2	0.00	6.00	0	1082.1
9/17/22 12:45	123.57	75.47	516.8	0.0	1845.2	0.00	6.00	0	1082.5
9/17/22 12:46	123.76	75.08	516.9	0.0	1846.2	0.00	6.00	0	1084.1
9/17/22 12:47	123.90	75.54	517.4	0.0	1847.3	0.00	6.00	0	1085.4
9/17/22 12:48	124.12	75.48	516.0	0.0	1844.2	0.00	6.00	0	1087.3
9/17/22 12:49	124.00	75.40	515.3	0.0	1841.9	0.00	6.00	0	1086.3
9/17/22 12:50	123.94	75.70	514.8	0.0	1841.4	0.00	6.00	0	1085.7
9/17/22 12:51	123.86	75.53	515.3	0.0	1842.4	0.00	6.00	0	1085.1
9/17/22 12:52	124.00	75.67	514.3	0.0	1840.4	0.00	6.00	0	1086.3
9/17/22 12:53	124.26	75.76	516.1	0.0	1844.7	0.00	6.00	0	1088.5
9/17/22 12:54	124.13	75.50	515.4	0.0	1843.1	0.00	6.00	0	1087.4
9/17/22 12:55	123.96	75.03	515.0	0.0	1842.4	0.00	6.00	0	1085.9
9/17/22 12:56	123.80	75.62	515.3	0.0	1842.3	0.00	6.00	0	1084.5
9/17/22 12:57	123.80	75.61	515.0	0.0	1842.0	0.00	6.00	0	1084.5
9/17/22 12:58	123.39	75.44	515.1	0.0	1842.1	0.00	6.00	0	1080.9
9/17/22 12:59	123.48	75.36	514.4	0.0	1840.8	0.00	6.00	0	1081.7
9/17/22 13:00	123.61	75.31	515.1	0.0	1841.5	0.00	6.00	0	1082.9
9/17/22 13:01	123.72	75.62	515.5	0.0	1843.0	0.00	6.00	0	1083.8
9/17/22 13:02	123.52	75.58	516.1	0.0	1844.6	0.00	6.00	0	1082.0
9/17/22 13:03	123.37	75.59	516.9	0.0	1846.4	0.00	6.00	0	1080.7
9/17/22 13:04	123.27	75.47	516.7	0.0	1846.1	0.00	6.00	0	1079.9
9/17/22 13:05	123.22	75.80	516.1	0.0	1844.5	0.00	6.00	0	1079.4
9/17/22 13:06	123.22	75.59	515.5	0.0	1842.7	0.00	6.00	0	1079.4
9/17/22 13:07	123.22	75.70	515.5	0.0	1842.8	0.00	6.00	0	1079.4
9/17/22 13:08	123.66	75.62	515.5	0.0	1843.2	0.00	6.00	0	1083.2
9/17/22 13:09	123.91	75.68	515.5	0.0	1843.6	0.00	6.00	0	1085.4
9/17/22 13:10	123.91	75.40	515.9	0.0	1844.6	0.00	6.00	0	1085.5
9/17/22 13:11	123.66	75.64	515.4	0.0	1843.1	0.00	6.00	0	1083.3
Run 4 End - FO	**123.45**	**75.52**	**515.25**	**0.00**	**1842.63**	**0.00**	**6.00**	**0**	**1081.5**
Run 5 Start - FO									
9/17/22 13:25	123.97	75.49	516.3	0.0	1844.3	0.00	6.00	0	1086.0
9/17/22 13:26	124.03	75.48	515.3	0.0	1842.4	0.00	6.00	0	1086.5
9/17/22 13:27	124.17	75.54	514.9	0.0	1842.4	0.00	6.00	0	1087.7
9/17/22 13:28	124.16	75.58	515.5	0.0	1842.5	0.00	6.00	0	1087.7
9/17/22 13:29	124.13	75.42	515.7	0.0	1844.1	0.00	6.00	0	1087.4
9/17/22 13:30	124.07	75.67	515.5	0.0	1843.8	0.00	6.00	0	1086.9
9/17/22 13:31	124.12	75.82	515.7	0.0	1844.2	0.00	6.00	0	1087.3
9/17/22 13:32	124.13	75.47	516.8	0.0	1846.0	0.00	6.00	0	1087.4
9/17/22 13:33	124.21	75.55	517.9	0.0	1847.0	0.00	6.00	0	1088.1
9/17/22 13:34	123.71	75.57	516.8	0.0	1845.7	0.00	6.00	0	1083.7
9/17/22 13:35	123.66	75.46	516.9	0.0	1846.2	0.00	6.00	0	1083.3
9/17/22 13:36	124.02	75.50	516.9	0.0	1846.2	0.00	6.00	0	1086.4

9/17/22 13:37	123.96	75.50	517.4	0.0	1847.4	0.00	6.00	0	1085.9
9/17/22 13:38	123.52	75.45	516.9	0.0	1846.2	0.00	6.00	0	1082.1
9/17/22 13:39	123.47	75.63	517.0	0.0	1846.2	0.00	6.00	0	1081.6
9/17/22 13:40	123.66	75.44	517.5	0.0	1847.0	0.00	6.00	0	1083.3
9/17/22 13:41	123.52	75.62	517.5	0.0	1846.4	0.00	6.00	0	1082.0
9/17/22 13:42	123.47	75.53	516.8	0.0	1845.8	0.00	6.00	0	1081.6
9/17/22 13:43	123.57	75.57	516.8	0.0	1845.9	0.00	6.00	0	1082.5
9/17/22 13:44	123.57	75.33	517.5	0.0	1847.4	0.00	6.00	0	1082.5
9/17/22 13:45	123.75	75.60	516.8	0.0	1845.3	0.00	6.00	0	1084.0
9/17/22 13:46	123.72	75.57	516.7	0.0	1845.0	0.00	6.00	0	1083.8
9/17/22 13:47	123.52	75.48	516.8	0.0	1845.0	0.00	6.00	0	1082.1
9/17/22 13:48	123.67	75.46	516.8	0.0	1845.5	0.00	6.00	0	1083.3
9/17/22 13:49	123.52	75.60	516.8	0.0	1845.9	0.00	6.00	0	1082.1
9/17/22 13:50	123.56	75.52	517.0	0.0	1845.9	0.00	6.00	0	1082.4
9/17/22 13:51	123.79	75.70	517.3	0.0	1847.0	0.00	6.00	0	1084.4
9/17/22 13:52	123.53	75.46	517.3	0.0	1846.8	0.00	6.00	0	1082.2
9/17/22 13:53	123.41	75.52	516.8	0.0	1846.7	0.00	6.00	0	1081.1
9/17/22 13:54	123.42	75.32	516.9	0.0	1846.3	0.00	6.00	0	1081.1
9/17/22 13:55	123.38	75.37	517.7	0.0	1847.0	0.00	6.00	0	1080.8
9/17/22 13:56	123.42	75.81	517.3	0.0	1846.2	0.00	6.00	0	1081.1
9/17/22 13:57	123.47	75.66	516.7	0.0	1845.4	0.00	6.00	0	1081.6
9/17/22 13:58	123.52	75.86	516.8	0.0	1846.0	0.00	6.00	0	1082.1
9/17/22 13:59	123.52	75.64	516.7	0.0	1846.2	0.00	6.00	0	1082.1
9/17/22 14:00	123.52	75.42	516.9	0.0	1846.7	0.00	6.00	0	1082.1
9/17/22 14:01	123.52	75.51	516.3	0.0	1845.3	0.00	6.00	0	1082.1
9/17/22 14:02	123.57	75.34	516.8	0.0	1846.1	0.00	6.00	0	1082.4
9/17/22 14:03	123.62	75.64	516.7	0.0	1845.9	0.00	6.00	0	1082.9
9/17/22 14:04	123.53	75.28	516.8	0.0	1845.8	0.00	6.00	0	1082.1
9/17/22 14:05	123.52	75.38	517.1	0.0	1846.5	0.00	6.00	0	1082.1
9/17/22 14:06	123.52	75.66	517.1	0.0	1845.6	0.00	6.00	0	1082.1
9/17/22 14:07	123.53	75.56	517.7	0.0	1847.0	0.00	6.00	0	1082.2
9/17/22 14:08	123.52	75.30	517.0	0.0	1846.3	0.00	6.00	0	1082.0
9/17/22 14:09	123.53	75.64	517.3	0.0	1847.0	0.00	6.00	0	1082.1
9/17/22 14:10	123.57	75.70	517.9	0.0	1848.9	0.00	6.00	0	1082.4
9/17/22 14:11	123.52	75.31	517.7	0.0	1847.3	0.00	6.00	0	1082.1
9/17/22 14:12	123.57	75.61	517.8	0.0	1847.1	0.00	6.00	0	1082.4
9/17/22 14:13	123.52	75.47	517.4	0.0	1846.2	0.00	6.00	0	1082.1
9/17/22 14:14	123.62	75.50	516.8	0.0	1845.2	0.00	6.00	0	1082.9
9/17/22 14:15	123.79	75.48	517.7	0.0	1847.1	0.00	6.00	0	1084.4
9/17/22 14:16	123.52	75.70	517.7	0.0	1847.3	0.00	6.00	0	1082.1
9/17/22 14:17	123.52	75.65	516.8	0.0	1845.5	0.00	6.00	0	1082.1
9/17/22 14:18	123.57	75.34	517.3	0.0	1847.3	0.00	6.00	0	1082.4
9/17/22 14:19	123.57	75.27	517.1	0.0	1846.5	0.00	6.00	0	1082.4
9/17/22 14:20	123.52	75.24	517.1	0.0	1846.4	0.00	6.00	0	1082.0
9/17/22 14:21	123.55	75.13	517.9	0.0	1848.2	0.00	6.00	0	1082.3
9/17/22 14:22	123.52	75.60	518.3	0.0	1849.0	0.00	6.00	0	1082.1
9/17/22 14:23	123.52	75.36	518.1	0.0	1848.1	0.00	6.00	0	1082.1
9/17/22 14:24	123.64	75.32	517.9	0.0	1848.6	0.00	6.00	0	1083.1
9/17/22 14:25	123.67	75.88	518.9	0.0	1849.9	0.00	6.00	0	1083.3
Run 5 End - FO	**123.65**	**75.52**	**517.01**	**0.00**	**1846.19**	**0.00**	**6.00**	**0.00**	**1083.2**
Run 6 Start - FO									
9/17/22 14:35	123.68	75.60	516.8	0.0	1845.8	0.00	6.00	0	1083.4
9/17/22 14:36	123.52	75.64	516.7	0.0	1845.5	0.00	6.00	0	1082.0
9/17/22 14:37	123.57	75.44	516.8	0.0	1845.8	0.00	6.00	0	1082.4
9/17/22 14:38	123.56	75.50	516.9	0.0	1845.9	0.00	6.00	0	1082.4
9/17/22 14:39	123.72	75.35	517.5	0.0	1846.7	0.00	6.00	0	1083.8
9/17/22 14:40	123.74	75.44	517.1	0.0	1845.9	0.00	6.00	0	1084.0
9/17/22 14:41	123.79	75.74	517.9	0.0	1848.0	0.00	6.00	0	1084.4
9/17/22 14:42	123.79	75.51	517.9	0.0	1848.4	0.00	6.00	0	1084.4
9/17/22 14:43	123.80	75.55	517.9	0.0	1848.9	0.00	6.00	0	1084.5
9/17/22 14:44	124.27	75.79	517.9	0.0	1848.4	0.00	6.00	0	1088.6
9/17/22 14:45	124.36	75.19	518.0	0.0	1848.4	0.00	6.00	0	1089.4
9/17/22 14:46	124.40	75.45	517.9	0.0	1848.7	0.00	6.00	0	1089.7
9/17/22 14:47	124.32	75.41	518.1	0.0	1849.0	0.00	6.00	0	1089.0
9/17/22 14:48	124.40	75.36	518.1	0.0	1849.1	0.00	6.00	0	1089.7
9/17/22 14:49	124.40	75.83	517.9	0.0	1848.6	0.00	6.00	0	1089.7
9/17/22 14:50	124.48	75.31	519.1	0.0	1851.2	0.00	6.00	0	1090.4
9/17/22 14:51	124.44	75.47	519.1	0.0	1851.1	0.00	6.00	0	1090.1
9/17/22 14:52	124.44	75.42	518.9	0.0	1850.5	0.00	6.00	0	1090.1
9/17/22 14:53	124.40	75.09	517.9	0.0	1849.2	0.00	6.00	0	1089.7
9/17/22 14:54	124.35	75.50	518.5	0.0	1848.7	0.00	6.00	0	1089.3

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9/17/22 14:55	124.26	75.52	517.9	0.0	1847.6	0.00	6.00	0	1088.5
9/17/22 14:56	124.34	75.43	517.9	0.0	1847.6	0.00	6.00	0	1089.2
9/17/22 14:57	124.26	75.60	517.5	0.0	1846.8	0.00	6.00	0	1088.5
9/17/22 14:58	124.40	75.52	517.5	0.0	1847.4	0.00	6.00	0	1089.7
9/17/22 14:59	124.35	75.52	516.9	0.0	1846.3	0.00	6.00	0	1089.3
9/17/22 15:00	124.60	75.29	516.8	0.0	1845.2	0.00	6.00	0	1091.5
9/17/22 15:01	124.59	75.63	516.8	0.0	1845.9	0.00	6.00	0	1091.4
9/17/22 15:02	124.96	76.05	517.7	0.0	1847.0	0.00	6.00	0	1094.6
9/17/22 15:03	125.01	75.47	517.3	0.0	1847.0	0.00	6.00	0	1095.1
9/17/22 15:04	125.23	75.82	517.8	0.0	1847.6	0.00	6.00	0	1097.0
9/17/22 15:05	124.91	75.79	517.9	0.0	1848.2	0.00	6.00	0	1094.3
9/17/22 15:06	124.40	75.45	517.8	0.0	1848.9	0.00	6.00	0	1089.7
9/17/22 15:07	124.27	75.42	517.9	0.0	1847.7	0.00	6.00	0	1088.6
9/17/22 15:08	124.64	75.62	517.7	0.0	1847.0	0.00	6.00	0	1091.8
9/17/22 15:09	124.40	75.68	517.9	0.0	1848.6	0.00	6.00	0	1089.7
9/17/22 15:10	124.26	75.50	517.9	0.0	1847.3	0.00	6.00	0	1088.5
9/17/22 15:11	124.46	75.44	517.9	0.0	1848.0	0.00	6.00	0	1090.3
9/17/22 15:12	124.30	75.72	518.1	0.0	1848.6	0.00	6.00	0	1088.9
9/17/22 15:13	124.30	75.29	518.7	0.0	1848.9	0.00	6.00	0	1088.9
9/17/22 15:14	124.18	75.74	518.1	0.0	1848.4	0.00	6.00	0	1087.8
9/17/22 15:15	123.95	75.76	517.6	0.0	1846.7	0.00	6.00	0	1085.8
9/17/22 15:16	123.80	75.06	516.6	0.0	1845.2	0.00	6.00	0	1084.5
9/17/22 15:17	124.04	75.33	515.7	0.0	1843.9	0.00	6.00	0	1086.6
9/17/22 15:18	124.01	75.46	515.5	0.0	1843.1	0.00	6.00	0	1086.3
9/17/22 15:19	124.21	75.82	516.1	0.0	1844.2	0.00	6.00	0	1088.1
9/17/22 15:20	124.12	75.51	516.1	0.0	1843.9	0.00	6.00	0	1087.3
9/17/22 15:21	124.21	75.76	516.1	0.0	1844.8	0.00	6.00	0	1088.1
9/17/22 15:22	124.35	75.75	516.7	0.0	1845.8	0.00	6.00	0	1089.3
9/17/22 15:23	124.40	75.10	516.4	0.0	1845.6	0.00	6.00	0	1089.7
9/17/22 15:24	124.49	75.22	516.8	0.0	1846.2	0.00	6.00	0	1090.6
9/17/22 15:25	124.40	75.76	516.8	0.0	1845.4	0.00	6.00	0	1089.8
9/17/22 15:26	124.40	75.42	516.7	0.0	1845.2	0.00	6.00	0	1089.7
9/17/22 15:27	124.35	75.22	516.8	0.0	1845.7	0.00	6.00	0	1089.3
9/17/22 15:28	124.44	75.28	516.8	0.0	1845.8	0.00	6.00	0	1090.1
9/17/22 15:29	124.40	75.48	516.8	0.0	1845.2	0.00	6.00	0	1089.7
9/17/22 15:30	124.40	75.50	516.3	0.0	1844.6	0.00	6.00	0	1089.7
9/17/22 15:31	124.27	75.42	516.7	0.0	1845.2	0.00	6.00	0	1088.6
9/17/22 15:32	124.25	75.72	516.8	0.0	1845.5	0.00	6.00	0	1088.4
9/17/22 15:33	124.16	75.41	516.9	0.0	1846.1	0.00	6.00	0	1087.7
9/17/22 15:34	124.16	75.52	516.8	0.0	1845.1	0.00	6.00	0	1087.7
9/17/22 15:35	124.12	75.82	516.7	0.0	1844.4	0.00	6.00	0	1087.3
Run 6 End - FO	**124.27**	**75.51**	**517.36**	**0.00**	**1846.90**	**0.00**	**6.00**	**0**	**1088.6**
Run 7 Start - FO									
9/17/22 15:44	123.60	75.59	515.9	0.0	1844.0	0.00	6.00	0	1082.8
9/17/22 15:45	123.61	75.32	515.5	0.0	1843.6	0.00	6.00	0	1082.8
9/17/22 15:46	123.58	75.75	515.5	0.0	1842.0	0.00	6.00	0	1082.6
9/17/22 15:47	123.52	75.63	515.1	0.0	1842.2	0.00	6.00	0	1082.1
9/17/22 15:48	123.52	75.56	514.3	0.0	1841.4	0.00	6.00	0	1082.0
9/17/22 15:49	124.02	76.14	515.3	0.0	1843.9	0.00	6.00	0	1086.4
9/17/22 15:50	124.00	75.82	515.5	0.0	1844.3	0.00	6.00	0	1086.2
9/17/22 15:51	123.57	75.50	514.5	0.0	1840.7	0.00	6.00	0	1082.5
9/17/22 15:52	123.53	75.70	514.3	0.0	1840.1	0.00	6.00	0	1082.1
9/17/22 15:53	123.57	75.64	514.3	0.0	1840.1	0.00	6.00	0	1082.4
9/17/22 15:54	123.71	75.40	513.9	0.0	1840.1	0.00	6.00	0	1083.7
9/17/22 15:55	123.76	75.44	513.7	0.0	1840.1	0.00	6.00	0	1084.1
9/17/22 15:56	123.72	75.34	513.1	0.0	1839.2	0.00	6.00	0	1083.8
9/17/22 15:57	123.86	75.78	513.7	0.0	1839.9	0.00	6.00	0	1085.0
9/17/22 15:58	123.81	75.36	513.3	0.0	1839.2	0.00	6.00	0	1084.6
9/17/22 15:59	123.75	75.45	513.4	0.0	1839.5	0.00	6.00	0	1084.0
9/17/22 16:00	123.79	75.35	514.3	0.0	1840.5	0.00	6.00	0	1084.4
9/17/22 16:01	123.79	75.64	514.3	0.0	1840.5	0.00	6.00	0	1084.4
9/17/22 16:02	123.75	75.27	514.3	0.0	1840.1	0.00	6.00	0	1084.0
9/17/22 16:03	123.71	75.26	514.3	0.0	1841.0	0.00	6.00	0	1083.7
9/17/22 16:04	123.75	75.33	514.9	0.0	1841.9	0.00	6.00	0	1084.1
9/17/22 16:05	123.66	75.48	515.5	0.0	1843.4	0.00	6.00	0	1083.3
9/17/22 16:06	123.71	75.56	515.5	0.0	1843.9	0.00	6.00	0	1083.7
9/17/22 16:07	123.52	75.31	515.5	0.0	1842.7	0.00	6.00	0	1082.1
9/17/22 16:08	123.54	75.75	515.5	0.0	1843.7	0.00	6.00	0	1082.2
9/17/22 16:09	123.53	75.18	515.5	0.0	1843.9	0.00	6.00	0	1082.1
9/17/22 16:10	123.56	75.24	515.9	0.0	1844.5	0.00	6.00	0	1082.4
9/17/22 16:11	123.57	75.50	516.3	0.0	1844.3	0.00	6.00	0	1082.5

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9/17/22 16:12	123.52	75.65	515.5	0.0	1842.7	0.00	6.00	0	1082.1
9/17/22 16:13	123.52	75.46	515.7	0.0	1844.0	0.00	6.00	0	1082.0
9/17/22 16:14	123.54	75.68	515.7	0.0	1844.9	0.00	6.00	0	1082.2
9/17/22 16:15	123.52	75.54	515.6	0.0	1843.4	0.00	6.00	0	1082.1
9/17/22 16:16	123.53	75.29	515.4	0.0	1842.1	0.00	6.00	0	1082.1
9/17/22 16:17	123.52	75.25	515.4	0.0	1842.4	0.00	6.00	0	1082.1
9/17/22 16:18	123.57	75.62	515.5	0.0	1843.8	0.00	6.00	0	1082.4
9/17/22 16:19	123.49	75.70	515.1	0.0	1842.1	0.00	6.00	0	1081.7
9/17/22 16:20	123.53	75.17	515.5	0.0	1842.4	0.00	6.00	0	1082.1
9/17/22 16:21	123.57	76.12	515.5	0.0	1843.6	0.00	6.00	0	1082.4
9/17/22 16:22	123.71	75.60	516.0	0.0	1844.9	0.00	6.00	0	1083.7
9/17/22 16:23	123.53	75.61	516.3	0.0	1844.5	0.00	6.00	0	1082.2
9/17/22 16:24	123.52	75.62	515.6	0.0	1843.9	0.00	6.00	0	1082.0
9/17/22 16:25	123.53	75.48	515.5	0.0	1843.1	0.00	6.00	0	1082.1
9/17/22 16:26	123.52	75.41	515.7	0.0	1844.0	0.00	6.00	0	1082.1
9/17/22 16:27	123.52	75.90	515.5	0.0	1843.8	0.00	6.00	0	1082.0
9/17/22 16:28	123.52	75.40	515.5	0.0	1843.1	0.00	6.00	0	1082.1
9/17/22 16:29	123.52	75.42	515.5	0.0	1842.8	0.00	6.00	0	1082.1
9/17/22 16:30	123.52	75.69	516.0	0.0	1844.6	0.00	6.00	0	1082.0
9/17/22 16:31	123.52	75.52	516.7	0.0	1845.2	0.00	6.00	0	1082.1
9/17/22 16:32	123.52	75.60	516.5	0.0	1844.9	0.00	6.00	0	1082.0
9/17/22 16:33	123.52	75.63	516.7	0.0	1844.7	0.00	6.00	0	1082.0
9/17/22 16:34	123.52	75.52	516.8	0.0	1845.1	0.00	6.00	0	1082.1
9/17/22 16:35	123.52	75.34	516.8	0.0	1845.5	0.00	6.00	0	1082.1
9/17/22 16:36	123.52	75.58	515.7	0.0	1844.3	0.00	6.00	0	1082.0
9/17/22 16:37	123.52	75.66	515.5	0.0	1844.0	0.00	6.00	0	1082.1
9/17/22 16:38	123.53	75.56	515.5	0.0	1843.7	0.00	6.00	0	1082.1
9/17/22 16:39	123.52	75.80	515.7	0.0	1843.6	0.00	6.00	0	1082.1
9/17/22 16:40	123.52	75.31	515.5	0.0	1842.8	0.00	6.00	0	1082.0
9/17/22 16:41	123.52	75.50	515.0	0.0	1842.2	0.00	6.00	0	1082.1
9/17/22 16:42	123.52	75.74	514.3	0.0	1841.2	0.00	6.00	0	1082.0
9/17/22 16:43	123.52	75.31	514.3	0.0	1841.1	0.00	6.00	0	1082.1
9/17/22 16:44	123.52	75.80	514.1	0.0	1840.5	0.00	6.00	0	1082.1
Run 7 End - FO	**123.60**	**75.54**	**515.21**	**0.00**	**1842.71**	**0.00**	**6.00**	**0**	**1082.7**

McI CT1 Process Data
Averaged Data Metal PM

Date Time	Oil Supply gpm	Load MW	Exhaust Temp deg. C	Gas Flow 10scfm	Turbine Inlet Temp deg F.	Gas On	Oil On	Gas scfh	Total Heat Input MMBtu/hr
Run 1 Start - NG									
9/14/22 07:15	0.00	75.40	488.9	1667.2	1786.5	6.00	0.00	1000347	110038.2
9/14/22 07:16	0.00	75.75	489.1	1668.9	1786.1	6.00	0.00	1001352	110148.7
9/14/22 07:17	0.00	75.49	488.9	1665.4	1785.9	6.00	0.00	999251	109917.7
9/14/22 07:18	0.00	75.56	489.3	1667.2	1786.6	6.00	0.00	1000347	110038.2
9/14/22 07:19	0.00	75.43	489.1	1667.2	1786.4	6.00	0.00	1000347	110038.2
9/14/22 07:20	0.00	75.46	489.1	1665.0	1786.2	6.00	0.00	998977	109887.5
9/14/22 07:21	0.00	75.44	489.1	1667.8	1786.7	6.00	0.00	1000667	110073.4
9/14/22 07:22	0.00	75.59	489.1	1666.0	1786.0	6.00	0.00	999617	109957.8
9/14/22 07:23	0.00	75.45	489.3	1666.0	1786.6	6.00	0.00	999617	109957.8
9/14/22 07:24	0.00	75.48	489.1	1667.2	1785.8	6.00	0.00	1000301	110033.1
9/14/22 07:25	0.00	75.46	488.8	1666.6	1786.3	6.00	0.00	999982	109998.0
9/14/22 07:26	0.00	75.76	489.3	1667.2	1786.8	6.00	0.00	1000301	110033.1
9/14/22 07:27	0.00	75.36	489.2	1665.5	1786.6	6.00	0.00	999297	109922.7
9/14/22 07:28	0.00	75.45	489.5	1665.3	1787.4	6.00	0.00	999160	109907.6
9/14/22 07:29	0.00	75.33	489.3	1667.1	1786.7	6.00	0.00	1000256	110028.2
9/14/22 07:30	0.00	75.53	489.4	1664.8	1786.5	6.00	0.00	998886	109877.5
9/14/22 07:31	0.00	75.48	489.5	1669.0	1787.3	6.00	0.00	1001398	110153.8
9/14/22 07:32	0.00	75.58	490.0	1666.8	1787.1	6.00	0.00	1000073	110008.0
9/14/22 07:33	0.00	75.54	489.9	1666.6	1787.3	6.00	0.00	999936	109993.0
9/14/22 07:34	0.00	75.59	490.1	1669.1	1787.6	6.00	0.00	1001489	110163.8
9/14/22 07:35	0.00	75.87	490.1	1666.6	1787.6	6.00	0.00	999982	109998.0
9/14/22 07:36	0.00	75.35	490.3	1668.5	1788.2	6.00	0.00	1001078	110118.6
9/14/22 07:37	0.00	75.66	490.1	1669.8	1787.8	6.00	0.00	1001900	110209.0
9/14/22 07:38	0.00	75.41	489.7	1669.1	1787.3	6.00	0.00	1001489	110163.8
9/14/22 07:39	0.00	75.47	490.1	1669.7	1788.2	6.00	0.00	1001809	110199.0
9/14/22 07:40	0.00	75.35	489.9	1671.5	1787.5	6.00	0.00	1002905	110319.6
9/14/22 07:41	0.00	75.44	490.2	1669.6	1787.7	6.00	0.00	1001763	110193.9
9/14/22 07:42	0.00	75.57	491.2	1670.9	1788.3	6.00	0.00	1002539	110279.3
9/14/22 07:43	0.00	75.59	491.0	1669.8	1787.7	6.00	0.00	1001854	110203.9
9/14/22 07:44	0.00	75.41	490.6	1670.6	1788.6	6.00	0.00	1002356	110259.2
9/14/22 07:45	0.00	75.59	490.3	1670.8	1788.2	6.00	0.00	1002494	110274.3
9/14/22 07:46	0.00	75.35	490.1	1668.5	1787.9	6.00	0.00	1001123	110123.5
9/14/22 07:47	0.00	75.65	490.3	1670.3	1789.3	6.00	0.00	1002174	110239.1
9/14/22 07:48	0.00	75.73	490.3	1671.0	1788.2	6.00	0.00	1002585	110284.4
9/14/22 07:49	0.00	75.28	490.0	1669.1	1787.9	6.00	0.00	1001443	110158.7
9/14/22 07:50	0.00	75.45	490.3	1670.8	1788.0	6.00	0.00	1002493	110274.2
9/14/22 07:51	0.00	75.50	489.9	1670.3	1787.8	6.00	0.00	1002174	110239.1
9/14/22 07:52	0.00	75.53	490.3	1670.3	1788.9	6.00	0.00	1002174	110239.1
9/14/22 07:53	0.00	75.30	490.5	1671.0	1789.1	6.00	0.00	1002585	110284.4
9/14/22 07:54	0.00	75.67	490.1	1669.8	1788.5	6.00	0.00	1001854	110203.9
9/14/22 07:55	0.00	75.63	490.4	1670.9	1788.8	6.00	0.00	1002539	110279.3
9/14/22 07:56	0.00	75.52	490.5	1671.4	1788.3	6.00	0.00	1002859	110314.5
9/14/22 07:57	0.00	75.44	489.9	1667.9	1787.5	6.00	0.00	1000712	110078.3
9/14/22 07:58	0.00	75.64	490.5	1672.0	1788.6	6.00	0.00	1003224	110354.6
9/14/22 07:59	0.00	75.37	490.1	1670.3	1787.9	6.00	0.00	1002174	110239.1
9/14/22 08:00	0.00	75.44	489.9	1667.9	1787.9	6.00	0.00	1000712	110078.3
9/14/22 08:01	0.00	75.44	490.3	1673.3	1789.1	6.00	0.00	1004000	110440.0
9/14/22 08:02	0.00	75.44	490.1	1670.4	1787.8	6.00	0.00	1002220	110244.2
9/14/22 08:03	0.00	75.34	490.1	1669.1	1788.3	6.00	0.00	1001443	110158.7
9/14/22 08:04	0.00	75.53	490.1	1670.9	1788.2	6.00	0.00	1002539	110279.3
9/14/22 08:05	0.00	75.22	490.1	1669.5	1787.6	6.00	0.00	1001672	110183.9
9/14/22 08:06	0.00	75.56	490.3	1671.6	1787.9	6.00	0.00	1002950	110324.5
9/14/22 08:07	0.00	75.53	490.3	1669.8	1788.2	6.00	0.00	1001900	110209.0
9/14/22 08:08	0.00	75.51	490.3	1669.7	1788.8	6.00	0.00	1001809	110199.0
9/14/22 08:09	0.00	75.33	490.6	1671.5	1788.8	6.00	0.00	1002905	110319.6
9/14/22 08:10	0.00	75.36	490.6	1670.0	1788.2	6.00	0.00	1001991	110219.0
9/14/22 08:11	0.00	75.53	490.5	1669.8	1788.7	6.00	0.00	1001854	110203.9
9/14/22 08:12	0.00	75.44	490.3	1670.4	1788.0	6.00	0.00	1002220	110244.2
9/14/22 08:13	0.00	75.50	490.1	1669.8	1787.6	6.00	0.00	1001854	110203.9
9/14/22 08:14	0.00	75.59	490.5	1672.0	1789.1	6.00	0.00	1003225	110354.8
9/14/22 08:15	0.00	75.45	491.0	1670.8	1789.9	6.00	0.00	1002494	110274.3
9/14/22 08:16	0.00	75.20	490.8	1669.9	1790.0	6.00	0.00	1001945	110214.0
9/14/22 08:17	0.00	75.57	491.0	1671.5	1790.7	6.00	0.00	1002905	110319.6
9/14/22 08:18	0.00	75.62	490.8	1672.1	1789.8	6.00	0.00	1003270	110359.7
9/14/22 08:19	0.00	75.49	490.8	1667.9	1789.7	6.00	0.00	1000712	110078.3
9/14/22 08:20	0.00	75.37	491.3	1671.4	1790.7	6.00	0.00	1002859	110314.5
9/14/22 08:21	0.00	75.56	491.1	1670.2	1789.5	6.00	0.00	1002128	110234.1
9/14/22 08:22	0.00	75.47	491.4	1670.2	1790.2	6.00	0.00	1002128	110234.1
9/14/22 08:23	0.00	75.61	491.3	1672.0	1790.2	6.00	0.00	1003224	110354.6

9/14/22 08:24	0.00	75.43	491.5	1669.8	1790.5	6.00	0.00	1001900	110209.0
9/14/22 08:25	0.00	75.62	491.4	1670.4	1790.5	6.00	0.00	1002220	110244.2
9/14/22 08:26	0.00	75.54	491.4	1670.3	1790.2	6.00	0.00	1002174	110239.1
9/14/22 08:27	0.00	75.44	491.4	1669.7	1790.6	6.00	0.00	1001809	110199.0
9/14/22 08:28	0.00	75.53	491.8	1672.1	1791.1	6.00	0.00	1003270	110359.7
9/14/22 08:29	0.00	75.29	491.4	1670.4	1790.2	6.00	0.00	1002220	110244.2
9/14/22 08:30	0.00	75.73	491.6	1670.4	1791.0	6.00	0.00	1002220	110244.2
9/14/22 08:31	0.00	75.45	491.8	1672.2	1791.3	6.00	0.00	1003316	110364.8
9/14/22 08:32	0.00	75.40	491.8	1670.4	1791.9	6.00	0.00	1002220	110244.2
9/14/22 08:33	0.00	75.66	492.0	1668.5	1792.2	6.00	0.00	1001078	110118.6
9/14/22 08:34	0.00	75.60	492.2	1672.8	1792.2	6.00	0.00	1003681	110404.9
9/14/22 08:35	0.00	75.29	492.4	1671.0	1791.4	6.00	0.00	1002585	110284.4
9/14/22 08:36	0.00	75.53	492.4	1671.6	1792.6	6.00	0.00	1002950	110324.5
9/14/22 08:37	0.00	75.36	492.8	1670.9	1792.6	6.00	0.00	1002539	110279.3
9/14/22 08:38	0.00	75.33	493.0	1668.5	1792.8	6.00	0.00	1001078	110118.6
9/14/22 08:39	0.00	75.53	492.6	1670.3	1792.3	6.00	0.00	1002174	110239.1
9/14/22 08:40	0.00	75.69	492.3	1670.4	1791.0	6.00	0.00	1002220	110244.2
9/14/22 08:41	0.00	75.60	492.6	1669.3	1792.0	6.00	0.00	1001581	110173.9
9/14/22 08:42	0.00	75.59	493.0	1674.0	1792.5	6.00	0.00	1004411	110485.2
9/14/22 08:43	0.00	75.36	493.0	1669.7	1792.6	6.00	0.00	1001809	110199.0
9/14/22 08:44	0.00	75.73	493.0	1670.3	1793.0	6.00	0.00	1002174	110239.1
9/14/22 08:45	0.00	75.68	493.4	1671.5	1793.4	6.00	0.00	1002905	110319.6
9/14/22 08:46	0.00	75.30	492.8	1669.8	1792.7	6.00	0.00	1001854	110203.9
9/14/22 08:47	0.00	75.44	493.4	1671.0	1793.5	6.00	0.00	1002585	110284.4
9/14/22 08:48	0.00	75.72	493.2	1669.8	1792.6	6.00	0.00	1001900	110209.0
9/14/22 08:49	0.00	75.41	493.6	1667.9	1793.6	6.00	0.00	1000712	110078.3
9/14/22 08:50	0.00	75.62	493.9	1672.0	1794.4	6.00	0.00	1003225	110354.8
9/14/22 08:51	0.00	75.44	493.7	1672.7	1794.4	6.00	0.00	1003636	110400.0
9/14/22 08:52	0.00	75.21	493.7	1671.1	1794.4	6.00	0.00	1002676	110294.4
9/14/22 08:53	0.00	75.37	494.1	1672.2	1795.3	6.00	0.00	1003316	110364.8
9/14/22 08:54	0.00	75.62	493.9	1670.9	1794.7	6.00	0.00	1002539	110279.3
9/14/22 08:55	0.00	75.32	494.7	1670.4	1796.3	6.00	0.00	1002265	110249.2
9/14/22 08:56	0.00	75.70	495.1	1673.9	1797.2	6.00	0.00	1004366	110480.3
9/14/22 08:57	0.00	75.50	494.1	1670.4	1794.5	6.00	0.00	1002220	110244.2
9/14/22 08:58	0.00	75.72	494.5	1671.6	1796.0	6.00	0.00	1002950	110324.5
9/14/22 08:59	0.00	75.65	494.6	1672.9	1796.0	6.00	0.00	1003727	110410.0
9/14/22 09:00	0.00	75.40	494.7	1669.6	1796.0	6.00	0.00	1001763	110193.9
9/14/22 09:01	0.00	75.56	494.9	1670.7	1796.4	6.00	0.00	1002403	110264.3
9/14/22 09:02	0.00	75.51	494.7	1672.2	1796.3	6.00	0.00	1003316	110364.8
9/14/22 09:03	0.00	75.48	494.8	1670.6	1796.8	6.00	0.00	1002356	110259.2
9/14/22 09:04	0.00	75.60	495.4	1670.9	1797.8	6.00	0.00	1002539	110279.3
9/14/22 09:05	0.00	75.30	494.9	1671.6	1796.7	6.00	0.00	1002950	110324.5
9/14/22 09:06	0.00	75.30	495.3	1671.7	1797.6	6.00	0.00	1002996	110329.6
9/14/22 09:07	0.00	75.66	494.9	1672.3	1797.2	6.00	0.00	1003407	110374.8
9/14/22 09:08	0.00	75.46	495.1	1671.0	1797.0	6.00	0.00	1002585	110284.4
9/14/22 09:09	0.00	75.36	495.1	1669.7	1796.9	6.00	0.00	1001809	110199.0
9/14/22 09:10	0.00	75.41	495.7	1673.4	1798.0	6.00	0.00	1004046	110445.1
9/14/22 09:11	0.00	75.47	496.1	1670.9	1799.2	6.00	0.00	1002539	110279.3
9/14/22 09:12	0.00	75.42	495.9	1671.0	1798.5	6.00	0.00	1002585	110284.4
9/14/22 09:13	0.00	75.46	495.7	1672.9	1797.9	6.00	0.00	1003727	110410.0
9/14/22 09:14	0.00	75.48	495.7	1669.2	1798.3	6.00	0.00	1001535	110168.9
9/14/22 09:15	0.00	75.45	496.5	1671.6	1800.4	6.00	0.00	1002950	110324.5
9/14/22 09:16	0.00	75.38	496.4	1672.7	1800.0	6.00	0.00	1003635	110399.9
9/14/22 09:17	0.00	75.22	496.1	1668.5	1799.1	6.00	0.00	1001123	110123.5
9/14/22 09:18	0.00	75.63	496.5	1671.6	1800.0	6.00	0.00	1002950	110324.5
9/14/22 09:19	0.00	75.53	496.7	1671.5	1800.0	6.00	0.00	1002905	110319.6
9/14/22 09:20	0.00	75.53	496.9	1669.2	1800.3	6.00	0.00	1001534	110168.7
9/14/22 09:21	0.00	75.75	497.3	1672.2	1802.1	6.00	0.00	1003316	110364.8
9/14/22 09:22	0.00	75.42	497.1	1670.9	1801.1	6.00	0.00	1002539	110279.3
9/14/22 09:23	0.00	75.44	496.9	1673.0	1801.2	6.00	0.00	1003772	110414.9
9/14/22 09:24	0.00	75.52	496.9	1672.8	1800.7	6.00	0.00	1003681	110404.9
9/14/22 09:25	0.00	75.33	497.3	1673.5	1801.9	6.00	0.00	1004092	110450.1
9/14/22 09:26	0.00	75.40	497.5	1671.0	1802.1	6.00	0.00	1002585	110284.4
9/14/22 09:27	0.00	75.60	497.7	1673.5	1802.6	6.00	0.00	1004092	110450.1
9/14/22 09:28	0.00	75.18	497.7	1671.6	1802.3	6.00	0.00	1002950	110324.5
9/14/22 09:29	0.00	75.56	497.7	1670.5	1802.9	6.00	0.00	1002311	110254.2
9/14/22 09:30	0.00	75.85	498.5	1672.9	1803.7	6.00	0.00	1003727	110410.0
9/14/22 09:31	0.00	75.50	498.1	1673.4	1802.9	6.00	0.00	1004047	110445.2
9/14/22 09:32	0.00	75.50	498.3	1671.0	1803.2	6.00	0.00	1002585	110284.4
9/14/22 09:33	0.00	75.54	498.7	1674.1	1804.0	6.00	0.00	1004458	110490.4
9/14/22 09:34	0.00	75.59	497.7	1671.6	1802.2	6.00	0.00	1002950	110324.5
9/14/22 09:35	0.00	75.47	497.9	1672.2	1802.9	6.00	0.00	1003316	110364.8

9/14/22 09:36	0.00	75.65	498.1	1673.9	1803.8	6.00	0.00	1004320	110475.2
9/14/22 09:37	0.00	75.50	498.1	1670.3	1803.0	6.00	0.00	1002174	110239.1
9/14/22 09:38	0.00	75.54	498.1	1671.1	1803.9	6.00	0.00	1002676	110294.4
9/14/22 09:39	0.00	75.52	498.1	1672.9	1803.9	6.00	0.00	1003726	110409.9
9/14/22 09:40	0.00	75.63	498.2	1672.9	1803.8	6.00	0.00	1003727	110410.0
9/14/22 09:41	0.00	75.60	498.5	1671.1	1804.1	6.00	0.00	1002631	110289.4
9/14/22 09:42	0.00	75.56	499.0	1673.3	1805.3	6.00	0.00	1004000	110440.0
9/14/22 09:43	0.00	75.39	498.5	1673.3	1803.9	6.00	0.00	1004000	110440.0
9/14/22 09:44	0.00	75.35	498.5	1672.2	1803.9	6.00	0.00	1003316	110364.8
9/14/22 09:45	0.00	75.51	498.7	1672.1	1803.8	6.00	0.00	1003270	110359.7
9/14/22 09:46	0.00	75.41	498.2	1673.0	1803.8	6.00	0.00	1003772	110414.9
9/14/22 09:47	0.00	75.09	498.7	1672.7	1804.1	6.00	0.00	1003635	110399.9
9/14/22 09:48	0.00	75.52	498.9	1674.5	1805.0	6.00	0.00	1004686	110515.5
9/14/22 09:49	0.00	75.68	499.0	1674.2	1804.8	6.00	0.00	1004503	110495.3
9/14/22 09:50	0.00	75.58	498.7	1672.4	1804.7	6.00	0.00	1003453	110379.8
9/14/22 09:51	0.00	75.49	499.6	1675.2	1807.5	6.00	0.00	1005142	110565.6
9/14/22 09:52	0.00	75.50	499.3	1673.4	1806.2	6.00	0.00	1004046	110445.1
9/14/22 09:53	0.00	75.35	499.0	1672.8	1805.6	6.00	0.00	1003681	110404.9
9/14/22 09:54	0.00	75.54	498.9	1674.1	1805.4	6.00	0.00	1004457	110490.3
9/14/22 09:55	0.00	75.53	499.2	1674.5	1805.4	6.00	0.00	1004686	110515.5
9/14/22 09:56	0.00	75.54	499.2	1673.3	1805.7	6.00	0.00	1004000	110440.0
9/14/22 09:57	0.00	75.33	499.4	1674.7	1805.8	6.00	0.00	1004822	110530.4
9/14/22 09:58	0.00	75.29	499.6	1675.2	1806.4	6.00	0.00	1005097	110560.7
9/14/22 09:59	0.00	75.45	499.6	1674.0	1806.3	6.00	0.00	1004411	110485.2
9/14/22 10:00	0.00	75.45	499.6	1675.4	1806.6	6.00	0.00	1005234	110575.7
9/14/22 10:01	0.00	75.36	499.6	1675.8	1805.9	6.00	0.00	1005462	110600.8
9/14/22 10:02	0.00	75.53	499.2	1674.1	1805.1	6.00	0.00	1004458	110490.4
9/14/22 10:03	0.00	75.37	499.5	1675.8	1806.4	6.00	0.00	1005462	110600.8
9/14/22 10:04	0.00	75.41	500.2	1676.4	1807.5	6.00	0.00	1005827	110641.0
9/14/22 10:05	0.00	75.40	500.4	1674.5	1808.3	6.00	0.00	1004686	110515.5
9/14/22 10:06	0.00	75.58	501.0	1674.0	1809.9	6.00	0.00	1004411	110485.2
9/14/22 10:07	0.00	75.60	500.8	1675.2	1808.9	6.00	0.00	1005097	110560.7
9/14/22 10:08	0.00	75.59	500.5	1675.2	1807.9	6.00	0.00	1005097	110560.7
9/14/22 10:09	0.00	75.22	500.4	1673.4	1808.5	6.00	0.00	1004046	110445.1
9/14/22 10:10	0.00	75.50	500.2	1677.1	1807.8	6.00	0.00	1006238	110686.2
9/14/22 10:11	0.00	75.53	500.0	1675.9	1807.0	6.00	0.00	1005553	110610.8
9/14/22 10:12	0.00	75.13	500.4	1675.2	1807.9	6.00	0.00	1005142	110565.6
9/14/22 10:13	0.00	75.53	501.0	1676.9	1809.1	6.00	0.00	1006147	110676.2
9/14/22 10:14	0.00	75.62	500.8	1677.7	1807.9	6.00	0.00	1006603	110726.3
9/14/22 10:15	0.00	75.42	500.6	1675.8	1807.9	6.00	0.00	1005508	110605.9
9/14/22 10:16	0.00	75.56	500.6	1676.0	1809.1	6.00	0.00	1005599	110615.9
9/14/22 10:17	0.00	75.74	501.6	1676.5	1810.1	6.00	0.00	1005873	110646.0
9/14/22 10:18	0.00	75.87	501.6	1675.8	1810.1	6.00	0.00	1005462	110600.8
9/14/22 10:19	0.00	75.50	501.2	1675.2	1809.8	6.00	0.00	1005097	110560.7
9/14/22 10:20	0.00	75.42	502.2	1677.1	1811.9	6.00	0.00	1006284	110691.2
9/14/22 10:21	0.00	75.41	502.4	1676.4	1812.5	6.00	0.00	1005827	110641.0
9/14/22 10:22	0.00	75.54	501.8	1675.2	1810.5	6.00	0.00	1005142	110565.6
9/14/22 10:23	0.00	75.63	502.0	1676.1	1811.0	6.00	0.00	1005644	110620.8
9/14/22 10:24	0.00	75.46	502.0	1676.4	1811.6	6.00	0.00	1005827	110641.0
9/14/22 10:25	0.00	75.47	501.8	1673.3	1810.4	6.00	0.00	1003955	110435.1
9/14/22 10:26	0.00	75.58	501.5	1675.8	1810.1	6.00	0.00	1005508	110605.9
9/14/22 10:27	0.00	75.58	502.4	1677.0	1812.0	6.00	0.00	1006192	110681.1
9/14/22 10:28	0.00	75.46	502.0	1674.6	1810.8	6.00	0.00	1004777	110525.5
9/14/22 10:29	0.00	75.45	502.0	1674.6	1810.7	6.00	0.00	1004777	110525.5
9/14/22 10:30	0.00	75.52	502.0	1676.5	1811.6	6.00	0.00	1005873	110646.0
9/14/22 10:31	0.00	75.38	502.3	1675.2	1811.4	6.00	0.00	1005142	110565.6
9/14/22 10:32	0.00	75.72	502.8	1675.2	1813.0	6.00	0.00	1005142	110565.6
9/14/22 10:33	0.00	75.70	502.8	1675.9	1812.1	6.00	0.00	1005553	110610.8
9/14/22 10:34	0.00	75.49	502.0	1677.1	1811.3	6.00	0.00	1006284	110691.2
9/14/22 10:35	0.00	75.45	502.0	1674.0	1811.2	6.00	0.00	1004411	110485.2
9/14/22 10:36	0.00	75.29	502.6	1676.4	1812.7	6.00	0.00	1005827	110641.0
9/14/22 10:37	0.00	75.33	502.4	1676.4	1812.2	6.00	0.00	1005827	110641.0
9/14/22 10:38	0.00	75.71	502.0	1676.5	1811.7	6.00	0.00	1005873	110646.0
9/14/22 10:39	0.00	75.35	502.4	1675.2	1812.4	6.00	0.00	1005097	110560.7
9/14/22 10:40	0.00	75.59	503.2	1677.9	1813.6	6.00	0.00	1006741	110741.5
9/14/22 10:41	0.00	75.40	503.1	1677.6	1813.5	6.00	0.00	1006558	110721.4
9/14/22 10:42	0.00	75.43	503.2	1674.6	1813.5	6.00	0.00	1004777	110525.5
9/14/22 10:43	0.00	75.42	503.3	1677.0	1814.5	6.00	0.00	1006192	110681.1
9/14/22 10:44	0.00	75.53	503.3	1676.4	1813.8	6.00	0.00	1005827	110641.0
9/14/22 10:45	0.00	75.50	502.6	1674.0	1812.5	6.00	0.00	1004411	110485.2
9/14/22 10:46	0.00	75.57	502.9	1674.6	1813.3	6.00	0.00	1004777	110525.5
9/14/22 10:47	0.00	75.53	502.8	1676.5	1813.2	6.00	0.00	1005919	110651.1

McI CT1 Process Data
Averaged Data Metal PM

9/14/22 10:48	0.00	75.47	503.3	1675.8	1813.8	6.00	0.00	1005462	110600.8
9/14/22 10:49	0.00	75.29	503.5	1674.9	1814.3	6.00	0.00	1004914	110540.5
9/14/22 10:50	0.00	75.51	503.9	1676.5	1815.8	6.00	0.00	1005873	110646.0
9/14/22 10:51	0.00	75.53	503.5	1676.5	1814.5	6.00	0.00	1005873	110646.0
9/14/22 10:52	0.00	75.38	503.0	1674.7	1814.3	6.00	0.00	1004822	110530.4
9/14/22 10:53	0.00	75.47	503.2	1674.1	1813.9	6.00	0.00	1004457	110490.3
9/14/22 10:54	0.00	75.47	503.2	1676.5	1813.9	6.00	0.00	1005919	110651.1
9/14/22 10:55	0.00	75.59	503.9	1675.8	1816.0	6.00	0.00	1005462	110600.8
9/14/22 10:56	0.00	75.60	505.0	1675.8	1817.2	6.00	0.00	1005462	110600.8
9/14/22 10:57	0.00	75.52	504.3	1676.0	1816.3	6.00	0.00	1005599	110615.9
9/14/22 10:58	0.00	75.75	504.9	1678.2	1817.9	6.00	0.00	1006923	110761.5
9/14/22 10:59	0.00	75.34	506.0	1675.8	1819.7	6.00	0.00	1005508	110605.9
9/14/22 11:00	0.00	75.33	505.1	1673.9	1817.4	6.00	0.00	1004366	110480.3
9/14/22 11:01	0.00	75.63	504.1	1677.0	1815.7	6.00	0.00	1006193	110681.2
9/14/22 11:02	0.00	75.39	504.9	1675.9	1817.3	6.00	0.00	1005553	110610.8
9/14/22 11:03	0.00	75.54	505.1	1675.2	1817.7	6.00	0.00	1005142	110565.6
9/14/22 11:04	0.00	75.75	504.7	1674.5	1817.2	6.00	0.00	1004686	110515.5
9/14/22 11:05	0.00	75.42	504.9	1675.5	1817.2	6.00	0.00	1005279	110580.7
9/14/22 11:06	0.00	75.28	505.5	1675.8	1818.9	6.00	0.00	1005508	110605.9
9/14/22 11:07	0.00	75.39	506.1	1676.4	1820.7	6.00	0.00	1005827	110641.0
9/14/22 11:08	0.00	75.66	506.3	1676.2	1820.0	6.00	0.00	1005736	110631.0
9/14/22 11:09	0.00	75.60	505.5	1675.2	1819.1	6.00	0.00	1005097	110560.7
9/14/22 11:10	0.00	75.24	506.1	1675.2	1819.9	6.00	0.00	1005142	110565.6
9/14/22 11:11	0.00	75.74	506.3	1676.5	1820.4	6.00	0.00	1005873	110646.0
9/14/22 11:12	0.00	75.33	505.3	1676.5	1817.6	6.00	0.00	1005873	110646.0
9/14/22 11:13	0.00	75.30	505.7	1673.8	1818.9	6.00	0.00	1004275	110470.3
9/14/22 11:14	0.00	75.42	505.0	1674.2	1817.1	6.00	0.00	1004549	110500.4
9/14/22 11:15	0.00	75.39	504.5	1674.4	1816.7	6.00	0.00	1004640	110510.4
9/14/22 11:16	0.00	75.35	504.7	1674.6	1816.6	6.00	0.00	1004777	110525.5
9/14/22 11:17	0.00	75.33	504.6	1674.8	1816.8	6.00	0.00	1004868	110535.5
9/14/22 11:18	0.00	75.53	505.5	1675.8	1818.2	6.00	0.00	1005508	110605.9
9/14/22 11:19	0.00	75.50	506.1	1675.2	1819.5	6.00	0.00	1005142	110565.6
9/14/22 11:20	0.00	75.57	506.7	1675.8	1821.1	6.00	0.00	1005508	110605.9
9/14/22 11:21	0.00	75.46	507.0	1675.3	1821.5	6.00	0.00	1005188	110570.7
9/14/22 11:22	0.00	75.49	505.9	1676.4	1818.9	6.00	0.00	1005827	110641.0
9/14/22 11:23	0.00	75.64	506.0	1674.5	1819.2	6.00	0.00	1004686	110515.5
9/14/22 11:24	0.00	75.48	506.5	1674.6	1820.4	6.00	0.00	1004731	110520.4
9/14/22 11:25	0.00	75.41	506.5	1675.8	1821.1	6.00	0.00	1005508	110605.9
9/14/22 11:26	0.00	75.60	507.2	1675.7	1821.6	6.00	0.00	1005416	110595.8
9/14/22 11:27	0.00	75.59	506.5	1674.1	1820.8	6.00	0.00	1004458	110490.4
9/14/22 11:28	0.00	75.74	506.7	1674.6	1820.7	6.00	0.00	1004777	110525.5
9/14/22 11:29	0.00	75.44	506.7	1674.6	1820.0	6.00	0.00	1004777	110525.5
9/14/22 11:30	0.00	75.51	506.3	1673.7	1819.8	6.00	0.00	1004229	110465.2
9/14/22 11:31	0.00	75.70	506.5	1673.6	1820.6	6.00	0.00	1004138	110455.2
9/14/22 11:32	0.00	75.59	505.9	1674.0	1819.5	6.00	0.00	1004411	110485.2
9/14/22 11:33	0.00	75.29	506.2	1676.5	1819.7	6.00	0.00	1005873	110646.0
9/14/22 11:34	0.00	75.56	506.9	1673.4	1821.3	6.00	0.00	1004046	110445.1
9/14/22 11:35	0.00	75.56	506.9	1673.6	1821.0	6.00	0.00	1004183	110460.1
9/14/22 11:36	0.00	75.84	507.4	1674.9	1822.5	6.00	0.00	1004914	110540.5
9/14/22 11:37	0.00	75.62	507.7	1673.9	1823.3	6.00	0.00	1004366	110480.3
9/14/22 11:38	0.00	75.35	506.5	1673.3	1821.0	6.00	0.00	1003955	110435.1
9/14/22 11:39	0.00	75.54	507.5	1674.5	1822.1	6.00	0.00	1004686	110515.5
9/14/22 11:40	0.00	75.43	507.2	1674.4	1821.9	6.00	0.00	1004640	110510.4
9/14/22 11:41	0.00	75.62	507.6	1674.0	1823.0	6.00	0.00	1004411	110485.2
9/14/22 11:42	0.00	75.38	507.7	1673.9	1822.6	6.00	0.00	1004366	110480.3
9/14/22 11:43	0.00	75.65	507.5	1674.7	1822.9	6.00	0.00	1004822	110530.4
9/14/22 11:44	0.00	75.44	507.5	1673.3	1821.7	6.00	0.00	1004000	110440.0
9/14/22 11:45	0.00	75.48	507.4	1673.5	1821.9	6.00	0.00	1004092	110450.1
9/14/22 11:46	0.00	75.79	508.4	1675.8	1824.2	6.00	0.00	1005508	110605.9
9/14/22 11:47	0.00	75.45	508.4	1676.4	1824.7	6.00	0.00	1005827	110641.0
9/14/22 11:48	0.00	75.52	508.1	1673.3	1823.2	6.00	0.00	1004000	110440.0
9/14/22 11:49	0.00	75.39	507.9	1673.9	1823.0	6.00	0.00	1004320	110475.2
9/14/22 11:50	0.00	75.44	508.5	1674.5	1824.1	6.00	0.00	1004686	110515.5
9/14/22 11:51	0.00	75.62	507.7	1674.6	1822.6	6.00	0.00	1004777	110525.5
9/14/22 11:52	0.00	75.74	507.5	1673.3	1822.4	6.00	0.00	1004000	110440.0
9/14/22 11:53	0.00	75.53	508.0	1674.0	1823.7	6.00	0.00	1004411	110485.2
9/14/22 11:54	0.00	75.42	507.9	1673.3	1823.7	6.00	0.00	1004000	110440.0
9/14/22 11:55	0.00	75.50	507.7	1674.0	1822.5	6.00	0.00	1004411	110485.2
Run 1 End - NG	**0.00**	**75.50**	**497.84**	**1672.58**	**1803.07**	**6.00**	**0.00**	**1003548**	**110390.3**

Run 2 Start - NG									
9/14/22 12:10	0.00	75.34	509.7	1674.7	1827.1	6.00	0.00	1004822	110530.4
9/14/22 12:11	0.00	75.87	510.1	1676.3	1828.0	6.00	0.00	1005781	110635.9
9/14/22 12:12	0.00	75.29	510.1	1675.2	1827.7	6.00	0.00	1005142	110565.6
9/14/22 12:13	0.00	75.30	510.4	1673.0	1828.6	6.00	0.00	1003772	110414.9
9/14/22 12:14	0.00	75.34	510.6	1674.7	1828.5	6.00	0.00	1004822	110530.4
9/14/22 12:15	0.00	75.40	509.7	1674.6	1826.9	6.00	0.00	1004777	110525.5
9/14/22 12:16	0.00	75.41	509.9	1674.0	1826.8	6.00	0.00	1004411	110485.2
9/14/22 12:17	0.00	75.50	510.2	1674.5	1828.4	6.00	0.00	1004686	110515.5
9/14/22 12:18	0.00	75.52	509.5	1675.2	1826.7	6.00	0.00	1005142	110565.6
9/14/22 12:19	0.00	75.63	508.8	1673.4	1825.3	6.00	0.00	1004047	110445.2
9/14/22 12:20	0.00	75.38	509.3	1673.9	1826.2	6.00	0.00	1004366	110480.3
9/14/22 12:21	0.00	75.24	510.1	1674.6	1827.3	6.00	0.00	1004731	110520.4
9/14/22 12:22	0.00	75.39	509.5	1675.8	1826.6	6.00	0.00	1005462	110600.8
9/14/22 12:23	0.00	75.28	509.2	1672.8	1825.8	6.00	0.00	1003681	110404.9
9/14/22 12:24	0.00	75.40	509.3	1671.8	1826.4	6.00	0.00	1003087	110339.6
9/14/22 12:25	0.00	75.16	509.3	1674.8	1826.7	6.00	0.00	1004868	110535.5
9/14/22 12:26	0.00	75.54	508.8	1672.7	1825.2	6.00	0.00	1003635	110399.9
9/14/22 12:27	0.00	75.55	509.1	1672.9	1825.8	6.00	0.00	1003727	110410.0
9/14/22 12:28	0.00	75.75	509.6	1675.2	1826.9	6.00	0.00	1005097	110560.7
9/14/22 12:29	0.00	75.59	509.9	1673.4	1827.3	6.00	0.00	1004047	110445.2
9/14/22 12:30	0.00	75.45	510.6	1673.9	1828.6	6.00	0.00	1004366	110480.3
9/14/22 12:31	0.00	75.68	510.8	1674.0	1829.2	6.00	0.00	1004411	110485.2
9/14/22 12:32	0.00	75.48	510.6	1674.8	1827.6	6.00	0.00	1004868	110535.5
9/14/22 12:33	0.00	75.45	510.3	1673.4	1828.5	6.00	0.00	1004047	110445.2
9/14/22 12:34	0.00	75.88	511.0	1674.0	1829.8	6.00	0.00	1004411	110485.2
9/14/22 12:35	0.00	75.30	511.4	1674.6	1831.1	6.00	0.00	1004731	110520.4
9/14/22 12:36	0.00	75.39	511.4	1674.6	1830.1	6.00	0.00	1004777	110525.5
9/14/22 12:37	0.00	75.63	512.3	1675.3	1831.8	6.00	0.00	1005188	110570.7
9/14/22 12:38	0.00	75.33	511.6	1674.0	1831.3	6.00	0.00	1004411	110485.2
9/14/22 12:39	0.00	75.70	511.2	1673.9	1831.3	6.00	0.00	1004320	110475.2
9/14/22 12:40	0.00	75.70	510.7	1674.6	1828.7	6.00	0.00	1004731	110520.4
9/14/22 12:41	0.00	75.60	510.6	1673.5	1828.9	6.00	0.00	1004092	110450.1
9/14/22 12:42	0.00	75.81	510.3	1673.5	1828.0	6.00	0.00	1004092	110450.1
9/14/22 12:43	0.00	75.47	510.3	1674.6	1828.5	6.00	0.00	1004777	110525.5
9/14/22 12:44	0.00	75.56	510.6	1674.6	1828.8	6.00	0.00	1004731	110520.4
9/14/22 12:45	0.00	75.44	510.3	1674.1	1828.5	6.00	0.00	1004457	110490.3
9/14/22 12:46	0.00	75.48	510.1	1675.6	1827.9	6.00	0.00	1005371	110590.8
9/14/22 12:47	0.00	75.73	510.4	1675.2	1828.8	6.00	0.00	1005097	110560.7
9/14/22 12:48	0.00	75.62	511.1	1674.1	1830.2	6.00	0.00	1004458	110490.4
9/14/22 12:49	0.00	75.40	511.4	1675.2	1831.1	6.00	0.00	1005097	110560.7
9/14/22 12:50	0.00	75.59	511.0	1676.5	1830.7	6.00	0.00	1005873	110646.0
9/14/22 12:51	0.00	75.63	511.2	1674.0	1829.6	6.00	0.00	1004412	110485.3
9/14/22 12:52	0.00	75.53	511.2	1674.2	1829.8	6.00	0.00	1004549	110500.4
9/14/22 12:53	0.00	75.78	511.6	1676.5	1830.2	6.00	0.00	1005919	110651.1
9/14/22 12:54	0.00	75.52	511.4	1674.8	1830.7	6.00	0.00	1004868	110535.5
9/14/22 12:55	0.00	75.55	512.0	1673.9	1832.3	6.00	0.00	1004366	110480.3
9/14/22 12:56	0.00	75.38	511.6	1673.6	1831.0	6.00	0.00	1004138	110455.2
9/14/22 12:57	0.00	75.83	511.3	1676.4	1830.7	6.00	0.00	1005827	110641.0
9/14/22 12:58	0.00	75.59	511.1	1674.0	1829.6	6.00	0.00	1004411	110485.2
9/14/22 12:59	0.00	75.58	511.2	1674.6	1830.1	6.00	0.00	1004777	110525.5
9/14/22 13:00	0.00	75.20	511.0	1674.9	1829.8	6.00	0.00	1004959	110545.5
9/14/22 13:01	0.00	75.42	511.0	1675.6	1829.4	6.00	0.00	1005371	110590.8
9/14/22 13:02	0.00	75.35	510.5	1674.6	1828.9	6.00	0.00	1004777	110525.5
9/14/22 13:03	0.00	75.34	511.0	1672.7	1830.5	6.00	0.00	1003635	110399.9
9/14/22 13:04	0.00	75.78	511.0	1675.2	1829.8	6.00	0.00	1005097	110560.7
9/14/22 13:05	0.00	75.47	511.0	1674.5	1829.9	6.00	0.00	1004686	110515.5
9/14/22 13:06	0.00	75.47	510.6	1672.2	1828.8	6.00	0.00	1003316	110364.8
9/14/22 13:07	0.00	75.47	511.5	1675.8	1830.8	6.00	0.00	1005508	110605.9
9/14/22 13:08	0.00	75.55	512.4	1675.2	1832.5	6.00	0.00	1005097	110560.7
9/14/22 13:09	0.00	75.71	512.2	1673.4	1831.7	6.00	0.00	1004047	110445.2
9/14/22 13:10	0.00	75.47	512.0	1672.8	1832.4	6.00	0.00	1003681	110404.9
9/14/22 13:11	0.00	75.38	511.7	1672.8	1831.7	6.00	0.00	1003681	110404.9
9/14/22 13:12	0.00	75.51	511.6	1675.2	1831.7	6.00	0.00	1005097	110560.7
9/14/22 13:13	0.00	75.53	512.1	1672.8	1832.3	6.00	0.00	1003681	110404.9
9/14/22 13:14	0.00	75.50	511.6	1674.1	1831.5	6.00	0.00	1004458	110490.4
9/14/22 13:15	0.00	75.51	511.4	1675.8	1830.4	6.00	0.00	1005462	110600.8
9/14/22 13:16	0.00	75.64	511.2	1671.7	1829.6	6.00	0.00	1003042	110334.6
9/14/22 13:17	0.00	75.39	510.8	1673.3	1828.9	6.00	0.00	1003955	110435.1
9/14/22 13:18	0.00	75.59	511.0	1673.9	1829.9	6.00	0.00	1004320	110475.2
9/14/22 13:19	0.00	75.34	511.0	1670.4	1828.8	6.00	0.00	1002220	110244.2

9/14/22 13:20	0.00	75.54	511.4	1672.5	1829.5	6.00	0.00	1003498	110384.8
9/14/22 13:21	0.00	75.73	511.0	1673.9	1829.7	6.00	0.00	1004320	110475.2
9/14/22 13:22	0.00	75.70	510.8	1673.0	1828.7	6.00	0.00	1003818	110420.0
9/14/22 13:23	0.00	74.95	511.2	1669.9	1828.5	6.00	0.00	1001945	110214.0
9/14/22 13:24	0.00	75.40	512.7	1672.8	1832.0	6.00	0.00	1003681	110404.9
9/14/22 13:25	0.00	75.52	512.7	1675.2	1832.9	6.00	0.00	1005097	110560.7
9/14/22 13:26	0.00	75.57	512.7	1672.7	1832.2	6.00	0.00	1003635	110399.9
9/14/22 13:27	0.00	75.28	512.9	1671.7	1833.2	6.00	0.00	1003042	110334.6
9/14/22 13:28	0.00	75.62	512.4	1673.3	1831.9	6.00	0.00	1004000	110440.0
9/14/22 13:29	0.00	75.44	512.6	1673.4	1831.7	6.00	0.00	1004047	110445.2
9/14/22 13:30	0.00	75.35	512.3	1672.2	1831.6	6.00	0.00	1003316	110364.8
9/14/22 13:31	0.00	75.59	511.5	1673.9	1830.4	6.00	0.00	1004366	110480.3
9/14/22 13:32	0.00	75.18	511.8	1672.6	1830.8	6.00	0.00	1003589	110394.8
9/14/22 13:33	0.00	75.26	511.8	1672.3	1830.3	6.00	0.00	1003361	110369.7
9/14/22 13:34	0.00	75.63	511.3	1672.1	1830.2	6.00	0.00	1003270	110359.7
9/14/22 13:35	0.00	75.33	511.7	1674.0	1829.8	6.00	0.00	1004411	110485.2
9/14/22 13:36	0.00	75.74	512.3	1673.4	1830.5	6.00	0.00	1004047	110445.2
9/14/22 13:37	0.00	75.56	512.7	1673.5	1832.2	6.00	0.00	1004092	110450.1
9/14/22 13:38	0.00	75.60	513.5	1675.1	1833.9	6.00	0.00	1005051	110555.6
9/14/22 13:39	0.00	75.66	513.3	1673.2	1833.1	6.00	0.00	1003909	110430.0
9/14/22 13:40	0.00	75.52	512.1	1671.1	1830.3	6.00	0.00	1002631	110289.4
9/14/22 13:41	0.00	75.52	512.5	1674.0	1832.3	6.00	0.00	1004411	110485.2
9/14/22 13:42	0.00	75.65	514.3	1675.6	1835.1	6.00	0.00	1005371	110590.8
9/14/22 13:43	0.00	75.48	513.3	1672.8	1833.5	6.00	0.00	1003681	110404.9
9/14/22 13:44	0.00	75.48	513.7	1673.5	1834.3	6.00	0.00	1004092	110450.1
9/14/22 13:45	0.00	75.27	513.5	1675.2	1834.2	6.00	0.00	1005097	110560.7
9/14/22 13:46	0.00	75.56	513.9	1674.6	1834.1	6.00	0.00	1004777	110525.5
9/14/22 13:47	0.00	75.54	512.7	1672.7	1832.1	6.00	0.00	1003636	110400.0
9/14/22 13:48	0.00	75.58	513.7	1672.7	1833.8	6.00	0.00	1003635	110399.9
9/14/22 13:49	0.00	75.40	514.3	1675.8	1834.5	6.00	0.00	1005508	110605.9
9/14/22 13:50	0.00	75.45	513.9	1672.3	1834.5	6.00	0.00	1003361	110369.7
9/14/22 13:51	0.00	75.43	512.8	1669.7	1831.7	6.00	0.00	1001809	110199.0
9/14/22 13:52	0.00	75.42	513.7	1674.5	1834.3	6.00	0.00	1004686	110515.5
9/14/22 13:53	0.00	75.54	513.7	1673.4	1833.6	6.00	0.00	1004047	110445.2
9/14/22 13:54	0.00	75.50	514.1	1672.7	1833.8	6.00	0.00	1003635	110399.9
9/14/22 13:55	0.00	75.62	514.1	1673.9	1834.3	6.00	0.00	1004320	110475.2
9/14/22 13:56	0.00	75.61	513.8	1674.6	1834.2	6.00	0.00	1004777	110525.5
9/14/22 13:57	0.00	75.50	513.7	1672.8	1833.8	6.00	0.00	1003681	110404.9
9/14/22 13:58	0.00	75.48	513.5	1671.6	1832.9	6.00	0.00	1002950	110324.5
9/14/22 13:59	0.00	75.78	513.5	1674.6	1833.6	6.00	0.00	1004777	110525.5
9/14/22 14:00	0.00	75.43	513.7	1674.0	1833.8	6.00	0.00	1004411	110485.2
9/14/22 14:01	0.00	75.41	513.7	1672.9	1834.0	6.00	0.00	1003727	110410.0
9/14/22 14:02	0.00	75.55	513.5	1671.1	1834.1	6.00	0.00	1002676	110294.4
9/14/22 14:03	0.00	75.49	513.6	1674.0	1834.7	6.00	0.00	1004411	110485.2
9/14/22 14:04	0.00	75.52	513.3	1671.5	1833.9	6.00	0.00	1002905	110319.6
9/14/22 14:05	0.00	75.40	513.6	1671.7	1833.9	6.00	0.00	1002996	110329.6
9/14/22 14:06	0.00	75.50	513.5	1674.6	1833.9	6.00	0.00	1004731	110520.4
9/14/22 14:07	0.00	75.44	513.5	1673.5	1833.8	6.00	0.00	1004092	110450.1
9/14/22 14:08	0.00	75.39	513.7	1669.8	1834.1	6.00	0.00	1001900	110209.0
9/14/22 14:09	0.00	75.46	514.5	1674.2	1835.7	6.00	0.00	1004503	110495.3
9/14/22 14:10	0.00	75.77	513.5	1673.3	1833.5	6.00	0.00	1004000	110440.0
9/14/22 14:11	0.00	75.36	513.1	1672.1	1832.0	6.00	0.00	1003270	110359.7
9/14/22 14:12	0.00	75.28	512.5	1671.4	1831.7	6.00	0.00	1002814	110309.5
9/14/22 14:13	0.00	75.78	513.5	1671.0	1833.7	6.00	0.00	1002585	110284.4
9/14/22 14:14	0.00	75.58	513.7	1673.3	1834.1	6.00	0.00	1004000	110440.0
9/14/22 14:15	0.00	75.36	513.9	1672.2	1833.9	6.00	0.00	1003316	110364.8
9/14/22 14:16	0.00	75.72	513.9	1670.4	1834.8	6.00	0.00	1002220	110244.2
9/14/22 14:17	0.00	75.44	514.1	1674.6	1835.5	6.00	0.00	1004777	110525.5
9/14/22 14:18	0.00	75.41	513.7	1671.1	1834.8	6.00	0.00	1002631	110289.4
9/14/22 14:19	0.00	75.43	514.1	1671.0	1834.9	6.00	0.00	1002585	110284.4
9/14/22 14:20	0.00	75.33	514.0	1672.8	1834.8	6.00	0.00	1003681	110404.9
9/14/22 14:21	0.00	75.46	513.0	1671.0	1832.5	6.00	0.00	1002585	110284.4
9/14/22 14:22	0.00	75.73	513.5	1671.0	1833.3	6.00	0.00	1002585	110284.4
9/14/22 14:23	0.00	75.40	513.7	1672.1	1834.2	6.00	0.00	1003270	110359.7
9/14/22 14:24	0.00	75.71	514.9	1673.5	1836.6	6.00	0.00	1004092	110450.1
9/14/22 14:25	0.00	75.51	514.7	1673.4	1836.6	6.00	0.00	1004047	110445.2
9/14/22 14:26	0.00	75.71	514.3	1670.3	1834.9	6.00	0.00	1002174	110239.1
9/14/22 14:27	0.00	75.47	513.5	1671.7	1833.2	6.00	0.00	1002996	110329.6
9/14/22 14:28	0.00	75.44	514.7	1674.0	1836.4	6.00	0.00	1004411	110485.2
9/14/22 14:29	0.00	75.33	514.5	1672.8	1835.4	6.00	0.00	1003681	110404.9
9/14/22 14:30	0.00	75.42	514.1	1674.0	1835.2	6.00	0.00	1004411	110485.2
9/14/22 14:31	0.00	75.61	514.1	1673.4	1835.7	6.00	0.00	1004046	110445.1

9/14/22 14:32	0.00	75.46	514.9	1674.7	1837.0	6.00	0.00	1004822	110530.4
9/14/22 14:33	0.00	75.78	513.9	1671.5	1834.8	6.00	0.00	1002904	110319.4
9/14/22 14:34	0.00	75.62	514.1	1675.0	1835.6	6.00	0.00	1005005	110550.6
9/14/22 14:35	0.00	75.78	514.7	1674.0	1836.0	6.00	0.00	1004411	110485.2
9/14/22 14:36	0.00	75.56	513.9	1672.3	1834.8	6.00	0.00	1003361	110369.7
9/14/22 14:37	0.00	75.37	513.9	1671.3	1834.1	6.00	0.00	1002767	110304.4
9/14/22 14:38	0.00	75.57	514.7	1674.5	1835.0	6.00	0.00	1004686	110515.5
9/14/22 14:39	0.00	75.61	514.3	1670.9	1834.2	6.00	0.00	1002539	110279.3
9/14/22 14:40	0.00	75.47	514.9	1672.2	1835.1	6.00	0.00	1003316	110364.8
9/14/22 14:41	0.00	75.50	514.3	1671.0	1834.5	6.00	0.00	1002585	110284.4
9/14/22 14:42	0.00	75.69	515.3	1674.7	1836.0	6.00	0.00	1004822	110530.4
9/14/22 14:43	0.00	75.24	515.3	1671.6	1835.8	6.00	0.00	1002950	110324.5
9/14/22 14:44	0.00	75.54	514.9	1671.6	1834.0	6.00	0.00	1002950	110324.5
9/14/22 14:45	0.00	75.23	514.9	1673.5	1834.7	6.00	0.00	1004092	110450.1
9/14/22 14:46	0.00	75.58	514.9	1671.5	1834.6	6.00	0.00	1002905	110319.6
9/14/22 14:47	0.00	75.28	515.1	1671.0	1835.5	6.00	0.00	1002585	110284.4
9/14/22 14:48	0.00	75.64	515.5	1672.7	1836.7	6.00	0.00	1003635	110399.9
9/14/22 14:49	0.00	75.50	515.1	1672.3	1835.4	6.00	0.00	1003361	110369.7
9/14/22 14:50	0.00	75.59	514.9	1672.3	1835.2	6.00	0.00	1003361	110369.7
9/14/22 14:51	0.00	75.60	516.3	1672.2	1837.6	6.00	0.00	1003316	110364.8
9/14/22 14:52	0.00	75.53	515.5	1672.8	1835.7	6.00	0.00	1003681	110404.9
9/14/22 14:53	0.00	75.36	514.9	1671.0	1833.9	6.00	0.00	1002585	110284.4
9/14/22 14:54	0.00	75.54	514.7	1671.1	1833.9	6.00	0.00	1002631	110289.4
9/14/22 14:55	0.00	75.38	514.3	1672.0	1833.3	6.00	0.00	1003224	110354.6
9/14/22 14:56	0.00	75.51	514.9	1673.4	1834.2	6.00	0.00	1004046	110445.1
9/14/22 14:57	0.00	75.30	514.5	1671.0	1833.6	6.00	0.00	1002585	110284.4
9/14/22 14:58	0.00	75.25	514.5	1670.5	1833.4	6.00	0.00	1002311	110254.2
9/14/22 14:59	0.00	75.46	515.1	1672.1	1833.9	6.00	0.00	1003270	110359.7
9/14/22 15:00	0.00	75.58	514.9	1672.1	1834.2	6.00	0.00	1003270	110359.7
9/14/22 15:01	0.00	75.57	514.7	1672.3	1833.5	6.00	0.00	1003361	110369.7
9/14/22 15:02	0.00	75.67	514.7	1670.5	1833.9	6.00	0.00	1002311	110254.2
9/14/22 15:03	0.00	75.72	515.5	1674.2	1835.7	6.00	0.00	1004503	110495.3
9/14/22 15:04	0.00	75.60	515.8	1672.7	1836.3	6.00	0.00	1003635	110399.9
9/14/22 15:05	0.00	75.33	515.5	1669.8	1834.9	6.00	0.00	1001900	110209.0
9/14/22 15:06	0.00	75.70	515.7	1671.2	1835.7	6.00	0.00	1002722	110299.4
9/14/22 15:07	0.00	75.30	515.7	1671.5	1835.4	6.00	0.00	1002905	110319.6
9/14/22 15:08	0.00	75.39	515.8	1674.0	1834.7	6.00	0.00	1004411	110485.2
9/14/22 15:09	0.00	75.50	515.3	1671.1	1834.8	6.00	0.00	1002631	110289.4
9/14/22 15:10	0.00	75.46	515.7	1672.2	1835.1	6.00	0.00	1003316	110364.8
9/14/22 15:11	0.00	75.68	515.4	1672.1	1834.8	6.00	0.00	1003270	110359.7
9/14/22 15:12	0.00	75.47	515.9	1671.5	1835.6	6.00	0.00	1002905	110319.6
9/14/22 15:13	0.00	75.59	517.1	1672.0	1838.3	6.00	0.00	1003178	110349.6
9/14/22 15:14	0.00	75.46	517.6	1673.4	1839.1	6.00	0.00	1004046	110445.1
9/14/22 15:15	0.00	75.47	517.1	1670.3	1837.3	6.00	0.00	1002174	110239.1
9/14/22 15:16	0.00	75.52	516.2	1669.1	1836.2	6.00	0.00	1001489	110163.8
9/14/22 15:17	0.00	75.60	516.2	1672.2	1837.3	6.00	0.00	1003316	110364.8
9/14/22 15:18	0.00	75.53	515.9	1672.8	1835.7	6.00	0.00	1003681	110404.9
9/14/22 15:19	0.00	75.40	515.7	1671.0	1835.2	6.00	0.00	1002585	110284.4
9/14/22 15:20	0.00	75.42	515.8	1671.7	1835.5	6.00	0.00	1002996	110329.6
9/14/22 15:21	0.00	75.56	516.7	1674.7	1837.3	6.00	0.00	1004822	110530.4
9/14/22 15:22	0.00	75.49	515.5	1670.3	1834.9	6.00	0.00	1002174	110239.1
9/14/22 15:23	0.00	75.83	515.5	1669.8	1834.7	6.00	0.00	1001854	110203.9
9/14/22 15:24	0.00	75.35	515.5	1669.2	1834.7	6.00	0.00	1001534	110168.7
9/14/22 15:25	0.00	75.47	515.5	1672.2	1834.8	6.00	0.00	1003315	110364.7
9/14/22 15:26	0.00	75.62	515.7	1672.3	1835.1	6.00	0.00	1003361	110369.7
9/14/22 15:27	0.00	75.45	516.3	1670.9	1836.2	6.00	0.00	1002539	110279.3
9/14/22 15:28	0.00	75.70	516.6	1672.8	1836.5	6.00	0.00	1003681	110404.9
9/14/22 15:29	0.00	75.43	516.3	1672.2	1836.6	6.00	0.00	1003316	110364.8
9/14/22 15:30	0.00	75.63	516.3	1672.2	1836.4	6.00	0.00	1003315	110364.7
9/14/22 15:31	0.00	75.22	516.1	1671.7	1836.3	6.00	0.00	1002996	110329.6
9/14/22 15:32	0.00	75.58	516.3	1672.6	1836.9	6.00	0.00	1003544	110389.8
9/14/22 15:33	0.00	75.43	516.7	1672.9	1837.7	6.00	0.00	1003727	110410.0
9/14/22 15:34	0.00	75.48	516.1	1671.2	1836.3	6.00	0.00	1002722	110299.4
9/14/22 15:35	0.00	75.37	516.1	1671.4	1836.4	6.00	0.00	1002813	110309.4
9/14/22 15:36	0.00	75.72	516.7	1673.9	1837.9	6.00	0.00	1004320	110475.2
9/14/22 15:37	0.00	75.42	517.2	1672.1	1838.9	6.00	0.00	1003270	110359.7
9/14/22 15:38	0.00	75.77	518.3	1673.4	1840.5	6.00	0.00	1004047	110445.2
9/14/22 15:39	0.00	75.67	518.5	1672.2	1840.7	6.00	0.00	1003316	110364.8
9/14/22 15:40	0.00	75.79	517.8	1673.3	1838.9	6.00	0.00	1003955	110435.1
9/14/22 15:41	0.00	75.47	517.1	1671.1	1836.4	6.00	0.00	1002676	110294.4
9/14/22 15:42	0.00	75.61	516.4	1671.5	1836.0	6.00	0.00	1002904	110319.4
9/14/22 15:43	0.00	75.53	517.0	1674.5	1837.3	6.00	0.00	1004686	110515.5

9/14/22 15:44	0.00	75.56	517.5	1676.4	1838.9	6.00	0.00	1005827	110641.0
9/14/22 15:45	0.00	75.48	517.3	1671.7	1837.6	6.00	0.00	1003042	110334.6
9/14/22 15:46	0.00	75.34	517.3	1672.9	1836.5	6.00	0.00	1003727	110410.0
9/14/22 15:47	0.00	75.28	516.7	1671.5	1836.0	6.00	0.00	1002905	110319.6
9/14/22 15:48	0.00	75.36	516.1	1672.8	1835.8	6.00	0.00	1003681	110404.9
9/14/22 15:49	0.00	75.48	516.7	1671.4	1836.7	6.00	0.00	1002813	110309.4
9/14/22 15:50	0.00	75.66	516.9	1672.2	1837.1	6.00	0.00	1003316	110364.8
9/14/22 15:51	0.00	75.60	516.3	1671.6	1836.1	6.00	0.00	1002950	110324.5
9/14/22 15:52	0.00	75.21	516.1	1670.4	1835.3	6.00	0.00	1002220	110244.2
9/14/22 15:53	0.00	75.42	516.1	1670.4	1835.7	6.00	0.00	1002220	110244.2
9/14/22 15:54	0.00	75.45	516.7	1671.7	1836.4	6.00	0.00	1002996	110329.6
9/14/22 15:55	0.00	75.74	516.3	1672.6	1835.5	6.00	0.00	1003589	110394.8
9/14/22 15:56	0.00	75.79	516.3	1670.7	1836.3	6.00	0.00	1002403	110264.3
9/14/22 15:57	0.00	75.58	517.1	1672.9	1837.1	6.00	0.00	1003727	110410.0
9/14/22 15:58	0.00	75.65	516.7	1672.7	1836.1	6.00	0.00	1003635	110399.9
9/14/22 15:59	0.00	75.51	515.6	1670.9	1833.9	6.00	0.00	1002539	110279.3
9/14/22 16:00	0.00	75.40	515.9	1670.9	1834.9	6.00	0.00	1002539	110279.3
9/14/22 16:01	0.00	75.40	515.7	1671.6	1834.6	6.00	0.00	1002950	110324.5
9/14/22 16:02	0.00	75.52	515.2	1671.5	1833.3	6.00	0.00	1002905	110319.6
9/14/22 16:03	0.00	75.62	515.3	1669.7	1833.6	6.00	0.00	1001809	110199.0
9/14/22 16:04	0.00	75.81	515.4	1671.1	1834.0	6.00	0.00	1002631	110289.4
9/14/22 16:05	0.00	75.64	515.3	1670.4	1834.2	6.00	0.00	1002220	110244.2
9/14/22 16:06	0.00	75.42	515.7	1671.7	1834.5	6.00	0.00	1002996	110329.6
9/14/22 16:07	0.00	75.58	515.7	1670.4	1834.7	6.00	0.00	1002220	110244.2
9/14/22 16:08	0.00	75.50	515.9	1671.5	1835.1	6.00	0.00	1002905	110319.6
9/14/22 16:09	0.00	75.59	515.5	1670.3	1833.9	6.00	0.00	1002174	110239.1
9/14/22 16:10	0.00	75.76	515.1	1670.4	1833.0	6.00	0.00	1002265	110249.2
9/14/22 16:11	0.00	75.60	515.3	1669.6	1833.7	6.00	0.00	1001763	110193.9
9/14/22 16:12	0.00	75.52	515.3	1672.8	1833.5	6.00	0.00	1003681	110404.9
9/14/22 16:13	0.00	75.59	515.9	1670.9	1834.5	6.00	0.00	1002539	110279.3
9/14/22 16:14	0.00	75.31	515.5	1670.4	1833.8	6.00	0.00	1002220	110244.2
9/14/22 16:15	0.00	75.54	515.1	1670.4	1833.6	6.00	0.00	1002220	110244.2
9/14/22 16:16	0.00	75.39	515.7	1673.0	1834.1	6.00	0.00	1003772	110414.9
9/14/22 16:17	0.00	75.38	515.7	1671.2	1833.5	6.00	0.00	1002722	110299.4
9/14/22 16:18	0.00	75.62	515.7	1671.0	1834.1	6.00	0.00	1002585	110284.4
9/14/22 16:19	0.00	75.56	516.1	1671.7	1834.9	6.00	0.00	1003042	110334.6
9/14/22 16:20	0.00	75.55	515.7	1672.1	1834.8	6.00	0.00	1003270	110359.7
9/14/22 16:21	0.00	75.29	515.7	1671.0	1834.5	6.00	0.00	1002585	110284.4
9/14/22 16:22	0.00	75.68	515.4	1669.9	1834.4	6.00	0.00	1001945	110214.0
9/14/22 16:23	0.00	75.50	515.3	1672.8	1833.2	6.00	0.00	1003681	110404.9
9/14/22 16:24	0.00	75.40	515.0	1671.9	1833.3	6.00	0.00	1003133	110344.6
9/14/22 16:25	0.00	75.48	515.2	1669.8	1833.6	6.00	0.00	1001854	110203.9
9/14/22 16:26	0.00	75.58	515.1	1671.9	1832.7	6.00	0.00	1003133	110344.6
9/14/22 16:27	0.00	75.62	514.9	1671.0	1832.7	6.00	0.00	1002585	110284.4
9/14/22 16:28	0.00	75.42	514.7	1670.4	1832.8	6.00	0.00	1002265	110249.2
9/14/22 16:29	0.00	75.85	515.1	1671.4	1833.2	6.00	0.00	1002859	110314.5
9/14/22 16:30	0.00	75.44	515.0	1671.5	1832.9	6.00	0.00	1002905	110319.6
9/14/22 16:31	0.00	75.36	514.7	1671.6	1832.6	6.00	0.00	1002950	110324.5
9/14/22 16:32	0.00	75.52	515.1	1669.1	1833.2	6.00	0.00	1001489	110163.8
9/14/22 16:33	0.00	75.45	515.3	1672.0	1833.4	6.00	0.00	1003224	110354.6
9/14/22 16:34	0.00	75.48	515.2	1672.2	1832.9	6.00	0.00	1003316	110364.8
9/14/22 16:35	0.00	75.45	514.9	1669.8	1833.0	6.00	0.00	1001900	110209.0
9/14/22 16:36	0.00	75.38	515.3	1672.1	1834.3	6.00	0.00	1003270	110359.7
9/14/22 16:37	0.00	75.68	515.7	1672.7	1834.9	6.00	0.00	1003635	110399.9
9/14/22 16:38	0.00	75.59	515.7	1670.9	1834.5	6.00	0.00	1002539	110279.3
9/14/22 16:39	0.00	75.56	516.1	1671.1	1835.4	6.00	0.00	1002631	110289.4
9/14/22 16:40	0.00	75.68	515.1	1671.5	1833.6	6.00	0.00	1002905	110319.6
9/14/22 16:41	0.00	75.03	514.9	1670.5	1832.3	6.00	0.00	1002311	110254.2
9/14/22 16:42	0.00	75.55	514.7	1670.5	1831.6	6.00	0.00	1002311	110254.2
9/14/22 16:43	0.00	75.59	515.1	1670.5	1832.4	6.00	0.00	1002311	110254.2
9/14/22 16:44	0.00	75.30	514.5	1671.0	1831.9	6.00	0.00	1002585	110284.4
9/14/22 16:45	0.00	75.57	513.7	1670.4	1830.4	6.00	0.00	1002220	110244.2
9/14/22 16:46	0.00	75.51	513.9	1669.2	1831.0	6.00	0.00	1001534	110168.7
Run 2 End - NG	**0.00**	**75.51**	**513.77**	**1672.65**	**1833.09**	**6.00**	**0.00**	**1003592**	**110395.1**
Run 3 Start - NG									
9/15/22 07:15	0.00	75.34	489.1	1667.9	1782.9	6.00	0.00	1000712	110078.3
9/15/22 07:16	0.00	75.65	489.1	1668.0	1783.9	6.00	0.00	1000804	110088.4
9/15/22 07:17	0.00	75.60	489.5	1669.1	1783.9	6.00	0.00	1001443	110158.7
9/15/22 07:18	0.00	75.41	489.1	1666.6	1783.7	6.00	0.00	999982	109998.0
9/15/22 07:19	0.00	75.28	489.3	1666.6	1784.0	6.00	0.00	999982	109998.0
9/15/22 07:20	0.00	75.63	489.3	1669.1	1783.4	6.00	0.00	1001443	110158.7

9/15/22 07:21	0.00	75.46	489.3	1664.7	1782.7	6.00	0.00	998840	109872.4
9/15/22 07:22	0.00	75.42	488.9	1668.3	1783.1	6.00	0.00	1000987	110108.6
9/15/22 07:23	0.00	75.43	489.3	1668.4	1783.1	6.00	0.00	1001032	110113.5
9/15/22 07:24	0.00	75.46	488.9	1666.0	1783.1	6.00	0.00	999571	109952.8
9/15/22 07:25	0.00	75.40	489.3	1668.2	1783.6	6.00	0.00	1000941	110103.5
9/15/22 07:26	0.00	75.45	489.1	1667.8	1783.0	6.00	0.00	1000667	110073.4
9/15/22 07:27	0.00	75.59	489.1	1665.4	1782.7	6.00	0.00	999251	109917.7
9/15/22 07:28	0.00	75.45	489.3	1667.1	1783.7	6.00	0.00	1000256	110028.2
9/15/22 07:29	0.00	75.56	489.1	1667.2	1782.7	6.00	0.00	1000347	110038.2
9/15/22 07:30	0.00	75.36	489.3	1666.6	1782.8	6.00	0.00	999937	109993.0
9/15/22 07:31	0.00	75.58	489.5	1668.6	1784.3	6.00	0.00	1001170	110128.7
9/15/22 07:32	0.00	75.72	489.2	1667.3	1783.6	6.00	0.00	1000393	110043.2
9/15/22 07:33	0.00	75.58	489.3	1664.8	1784.6	6.00	0.00	998886	109877.5
9/15/22 07:34	0.00	75.63	489.5	1667.2	1784.6	6.00	0.00	1000301	110033.1
9/15/22 07:35	0.00	75.66	489.4	1664.1	1783.8	6.00	0.00	998475	109832.3
9/15/22 07:36	0.00	75.75	489.5	1666.2	1784.3	6.00	0.00	999708	109967.9
9/15/22 07:37	0.00	75.64	489.3	1666.6	1783.9	6.00	0.00	999936	109993.0
9/15/22 07:38	0.00	75.71	489.4	1665.4	1783.1	6.00	0.00	999251	109917.7
9/15/22 07:39	0.00	75.52	489.9	1667.9	1784.3	6.00	0.00	1000712	110078.3
9/15/22 07:40	0.00	75.40	489.9	1666.0	1784.5	6.00	0.00	999571	109952.8
9/15/22 07:41	0.00	75.49	489.7	1667.2	1784.3	6.00	0.00	1000301	110033.1
9/15/22 07:42	0.00	75.68	489.8	1667.2	1784.5	6.00	0.00	1000348	110038.3
9/15/22 07:43	0.00	75.49	489.9	1666.9	1784.4	6.00	0.00	1000165	110018.2
9/15/22 07:44	0.00	75.45	489.8	1665.4	1784.7	6.00	0.00	999251	109917.7
9/15/22 07:45	0.00	75.77	490.1	1667.2	1785.0	6.00	0.00	1000347	110038.2
9/15/22 07:46	0.00	75.51	490.1	1666.6	1784.3	6.00	0.00	999937	109993.0
9/15/22 07:47	0.00	75.75	490.3	1665.3	1785.2	6.00	0.00	999160	109907.6
9/15/22 07:48	0.00	75.57	490.5	1667.2	1785.7	6.00	0.00	1000348	110038.3
9/15/22 07:49	0.00	75.35	490.1	1665.3	1785.0	6.00	0.00	999160	109907.6
9/15/22 07:50	0.00	75.34	490.3	1667.0	1785.0	6.00	0.00	1000210	110023.1
9/15/22 07:51	0.00	75.69	490.6	1666.9	1785.4	6.00	0.00	1000165	110018.2
9/15/22 07:52	0.00	75.33	491.4	1663.6	1785.4	6.00	0.00	998155	109797.1
9/15/22 07:53	0.00	75.67	492.4	1666.7	1786.6	6.00	0.00	1000028	110003.1
9/15/22 07:54	0.00	75.69	493.4	1667.2	1786.6	6.00	0.00	1000302	110033.2
9/15/22 07:55	0.00	75.40	492.0	1665.3	1787.0	6.00	0.00	999206	109912.6
9/15/22 07:56	0.00	75.21	491.6	1668.5	1787.9	6.00	0.00	1001123	110123.5
9/15/22 07:57	0.00	75.56	491.3	1666.7	1787.5	6.00	0.00	1000028	110003.1
9/15/22 07:58	0.00	75.45	491.2	1666.6	1787.1	6.00	0.00	999937	109993.0
9/15/22 07:59	0.00	75.20	491.2	1666.8	1787.3	6.00	0.00	1000073	110008.0
9/15/22 08:00	0.00	75.34	491.2	1666.9	1786.9	6.00	0.00	1000165	110018.2
9/15/22 08:01	0.00	75.65	491.4	1664.8	1787.0	6.00	0.00	998886	109877.5
9/15/22 08:02	0.00	75.61	491.8	1667.3	1788.2	6.00	0.00	1000393	110043.2
9/15/22 08:03	0.00	75.48	491.4	1665.5	1787.8	6.00	0.00	999297	109922.7
9/15/22 08:04	0.00	75.45	491.8	1664.9	1788.6	6.00	0.00	998932	109882.5
9/15/22 08:05	0.00	75.63	492.0	1667.9	1788.9	6.00	0.00	1000759	110083.5
9/15/22 08:06	0.00	75.71	492.0	1664.1	1788.2	6.00	0.00	998475	109832.3
9/15/22 08:07	0.00	75.67	492.4	1666.2	1789.1	6.00	0.00	999708	109967.9
9/15/22 08:08	0.00	75.74	492.6	1666.6	1789.5	6.00	0.00	999936	109993.0
9/15/22 08:09	0.00	75.47	492.4	1666.7	1789.4	6.00	0.00	1000028	110003.1
9/15/22 08:10	0.00	75.56	492.5	1667.2	1789.5	6.00	0.00	1000301	110033.1
9/15/22 08:11	0.00	75.63	492.4	1666.8	1789.5	6.00	0.00	1000073	110008.0
9/15/22 08:12	0.00	75.31	492.6	1663.7	1789.8	6.00	0.00	998201	109802.1
9/15/22 08:13	0.00	75.56	493.0	1667.7	1790.4	6.00	0.00	1000621	110068.3
9/15/22 08:14	0.00	75.37	493.0	1666.6	1790.5	6.00	0.00	999982	109998.0
9/15/22 08:15	0.00	75.42	493.2	1664.7	1791.1	6.00	0.00	998840	109872.4
9/15/22 08:16	0.00	75.44	493.2	1666.6	1791.8	6.00	0.00	999936	109993.0
9/15/22 08:17	0.00	75.41	493.0	1666.6	1791.3	6.00	0.00	999982	109998.0
9/15/22 08:18	0.00	75.69	492.8	1663.7	1790.8	6.00	0.00	998247	109807.2
9/15/22 08:19	0.00	75.62	493.2	1667.2	1791.3	6.00	0.00	1000347	110038.2
9/15/22 08:20	0.00	75.70	493.6	1665.3	1791.7	6.00	0.00	999206	109912.6
9/15/22 08:21	0.00	75.42	493.6	1664.7	1791.5	6.00	0.00	998840	109872.4
9/15/22 08:22	0.00	75.59	493.7	1667.9	1791.4	6.00	0.00	1000712	110078.3
9/15/22 08:23	0.00	75.81	493.6	1665.4	1791.6	6.00	0.00	999251	109917.7
9/15/22 08:24	0.00	75.40	493.7	1664.7	1792.1	6.00	0.00	998840	109872.4
9/15/22 08:25	0.00	75.38	494.0	1666.6	1792.8	6.00	0.00	999982	109998.0
9/15/22 08:26	0.00	75.44	493.9	1665.5	1792.8	6.00	0.00	999297	109922.7
9/15/22 08:27	0.00	75.34	493.7	1665.4	1792.5	6.00	0.00	999251	109917.7
9/15/22 08:28	0.00	75.44	494.3	1667.9	1793.1	6.00	0.00	1000712	110078.3
9/15/22 08:29	0.00	75.52	494.4	1664.7	1792.7	6.00	0.00	998840	109872.4
9/15/22 08:30	0.00	75.37	494.4	1665.5	1793.6	6.00	0.00	999297	109922.7
9/15/22 08:31	0.00	75.80	494.9	1668.5	1794.2	6.00	0.00	1001078	110118.6
9/15/22 08:32	0.00	75.45	494.3	1666.0	1793.7	6.00	0.00	999617	109957.8

9/15/22 08:33	0.00	75.45	494.5	1667.3	1794.3	6.00	0.00	1000393	110043.2
9/15/22 08:34	0.00	75.46	495.1	1666.6	1795.1	6.00	0.00	999982	109998.0
9/15/22 08:35	0.00	75.54	494.5	1663.6	1793.7	6.00	0.00	998155	109797.1
9/15/22 08:36	0.00	75.39	494.7	1666.1	1794.1	6.00	0.00	999662	109962.9
9/15/22 08:37	0.00	75.62	494.9	1667.9	1795.1	6.00	0.00	1000712	110078.3
9/15/22 08:38	0.00	75.52	494.3	1666.8	1794.4	6.00	0.00	1000073	110008.0
9/15/22 08:39	0.00	75.58	494.9	1667.4	1795.2	6.00	0.00	1000439	110048.3
9/15/22 08:40	0.00	75.56	494.9	1666.6	1795.0	6.00	0.00	999982	109998.0
9/15/22 08:41	0.00	75.68	495.5	1665.3	1795.6	6.00	0.00	999160	109907.6
9/15/22 08:42	0.00	75.53	495.9	1666.6	1796.6	6.00	0.00	999982	109998.0
9/15/22 08:43	0.00	75.54	495.7	1668.2	1795.6	6.00	0.00	1000941	110103.5
9/15/22 08:44	0.00	75.33	495.9	1665.5	1796.0	6.00	0.00	999297	109922.7
9/15/22 08:45	0.00	75.45	495.7	1667.5	1796.4	6.00	0.00	1000484	110053.2
9/15/22 08:46	0.00	75.70	496.1	1665.7	1796.9	6.00	0.00	999434	109937.7
9/15/22 08:47	0.00	75.39	496.3	1665.5	1797.1	6.00	0.00	999297	109922.7
9/15/22 08:48	0.00	75.62	496.1	1667.9	1797.3	6.00	0.00	1000759	110083.5
9/15/22 08:49	0.00	75.56	495.9	1666.7	1796.3	6.00	0.00	1000028	110003.1
9/15/22 08:50	0.00	75.58	496.1	1663.2	1797.0	6.00	0.00	997927	109772.0
9/15/22 08:51	0.00	75.63	496.5	1667.9	1797.9	6.00	0.00	1000712	110078.3
9/15/22 08:52	0.00	75.48	496.7	1666.8	1797.9	6.00	0.00	1000073	110008.0
9/15/22 08:53	0.00	75.48	495.9	1664.7	1796.9	6.00	0.00	998840	109872.4
9/15/22 08:54	0.00	75.76	496.3	1666.6	1797.9	6.00	0.00	999936	109993.0
9/15/22 08:55	0.00	75.47	496.7	1667.9	1797.6	6.00	0.00	1000759	110083.5
9/15/22 08:56	0.00	75.38	496.4	1664.2	1797.3	6.00	0.00	998521	109837.3
9/15/22 08:57	0.00	75.52	496.7	1667.9	1797.9	6.00	0.00	1000759	110083.5
9/15/22 08:58	0.00	75.38	496.5	1666.6	1798.2	6.00	0.00	999982	109998.0
9/15/22 08:59	0.00	75.34	496.5	1664.8	1798.6	6.00	0.00	998886	109877.5
9/15/22 09:00	0.00	75.66	496.5	1668.4	1798.9	6.00	0.00	1001032	110113.5
9/15/22 09:01	0.00	75.25	497.0	1665.5	1799.7	6.00	0.00	999297	109922.7
9/15/22 09:02	0.00	75.57	496.7	1665.4	1798.8	6.00	0.00	999251	109917.7
9/15/22 09:03	0.00	75.64	497.5	1668.0	1799.4	6.00	0.00	1000804	110088.4
9/15/22 09:04	0.00	75.35	497.1	1666.6	1799.1	6.00	0.00	999982	109998.0
9/15/22 09:05	0.00	75.44	497.3	1665.9	1798.8	6.00	0.00	999526	109947.8
9/15/22 09:06	0.00	75.48	497.9	1667.9	1800.1	6.00	0.00	1000712	110078.3
9/15/22 09:07	0.00	75.64	497.7	1666.6	1800.6	6.00	0.00	999982	109998.0
9/15/22 09:08	0.00	75.58	497.3	1664.9	1799.8	6.00	0.00	998932	109882.5
9/15/22 09:09	0.00	75.30	497.7	1668.5	1799.8	6.00	0.00	1001078	110118.6
9/15/22 09:10	0.00	75.51	497.3	1665.4	1799.5	6.00	0.00	999251	109917.7
9/15/22 09:11	0.00	75.48	497.1	1666.4	1799.4	6.00	0.00	999845	109982.9
9/15/22 09:12	0.00	75.53	497.5	1666.7	1800.0	6.00	0.00	1000028	110003.1
9/15/22 09:13	0.00	75.45	497.5	1666.7	1800.3	6.00	0.00	1000028	110003.1
9/15/22 09:14	0.00	75.31	498.3	1665.6	1802.8	6.00	0.00	999343	109927.7
9/15/22 09:15	0.00	75.28	498.7	1668.3	1803.5	6.00	0.00	1000987	110108.6
9/15/22 09:16	0.00	75.61	498.9	1666.7	1803.4	6.00	0.00	1000028	110003.1
9/15/22 09:17	0.00	75.32	498.7	1666.0	1803.4	6.00	0.00	999571	109952.8
9/15/22 09:18	0.00	75.44	499.2	1667.2	1803.2	6.00	0.00	1000347	110038.2
9/15/22 09:19	0.00	75.61	498.6	1667.2	1801.6	6.00	0.00	1000347	110038.2
9/15/22 09:20	0.00	75.35	498.7	1666.6	1802.3	6.00	0.00	999936	109993.0
9/15/22 09:21	0.00	75.71	499.2	1669.8	1803.8	6.00	0.00	1001854	110203.9
9/15/22 09:22	0.00	75.26	498.8	1666.8	1802.8	6.00	0.00	1000073	110008.0
9/15/22 09:23	0.00	75.60	499.0	1666.6	1802.9	6.00	0.00	999982	109998.0
9/15/22 09:24	0.00	75.68	499.0	1667.9	1803.1	6.00	0.00	1000712	110078.3
9/15/22 09:25	0.00	75.31	499.6	1668.5	1803.9	6.00	0.00	1001123	110123.5
9/15/22 09:26	0.00	75.39	499.8	1666.0	1803.7	6.00	0.00	999617	109957.8
9/15/22 09:27	0.00	75.23	499.5	1668.0	1803.8	6.00	0.00	1000804	110088.4
9/15/22 09:28	0.00	75.48	499.4	1666.0	1803.2	6.00	0.00	999617	109957.8
9/15/22 09:29	0.00	75.31	499.2	1666.8	1803.6	6.00	0.00	1000073	110008.0
9/15/22 09:30	0.00	75.29	499.8	1666.0	1804.5	6.00	0.00	999617	109957.8
9/15/22 09:31	0.00	75.31	500.2	1667.9	1805.6	6.00	0.00	1000759	110083.5
9/15/22 09:32	0.00	75.42	499.6	1664.8	1803.8	6.00	0.00	998886	109877.5
9/15/22 09:33	0.00	75.49	499.4	1665.4	1804.1	6.00	0.00	999251	109917.7
9/15/22 09:34	0.00	75.28	499.8	1669.1	1805.2	6.00	0.00	1001443	110158.7
9/15/22 09:35	0.00	75.39	500.6	1666.7	1806.1	6.00	0.00	1000028	110003.1
9/15/22 09:36	0.00	75.52	499.8	1664.6	1805.1	6.00	0.00	998749	109862.4
9/15/22 09:37	0.00	75.57	499.9	1666.9	1806.0	6.00	0.00	1000119	110013.1
9/15/22 09:38	0.00	75.53	500.4	1667.3	1806.7	6.00	0.00	1000393	110043.2
9/15/22 09:39	0.00	75.46	499.9	1665.4	1805.8	6.00	0.00	999251	109917.7
9/15/22 09:40	0.00	75.75	499.8	1667.3	1805.5	6.00	0.00	1000393	110043.2
9/15/22 09:41	0.00	75.72	500.0	1665.6	1805.7	6.00	0.00	999343	109927.7
9/15/22 09:42	0.00	75.50	499.8	1665.5	1805.0	6.00	0.00	999297	109922.7
9/15/22 09:43	0.00	75.62	500.0	1666.8	1805.7	6.00	0.00	1000073	110008.0
9/15/22 09:44	0.00	75.57	499.8	1666.6	1805.4	6.00	0.00	999982	109998.0

9/15/22 09:45	0.00	75.69	500.1	1664.8	1805.7	6.00	0.00	998886	109877.5
9/15/22 09:46	0.00	75.55	500.4	1667.3	1807.2	6.00	0.00	1000393	110043.2
9/15/22 09:47	0.00	75.73	500.8	1669.2	1806.7	6.00	0.00	1001535	110168.9
9/15/22 09:48	0.00	75.46	499.9	1665.4	1804.9	6.00	0.00	999251	109917.7
9/15/22 09:49	0.00	75.74	500.1	1666.7	1806.4	6.00	0.00	1000028	110003.1
9/15/22 09:50	0.00	75.55	500.6	1667.4	1807.1	6.00	0.00	1000439	110048.3
9/15/22 09:51	0.00	75.30	501.2	1666.0	1808.2	6.00	0.00	999617	109957.8
9/15/22 09:52	0.00	75.48	500.6	1665.4	1808.0	6.00	0.00	999251	109917.7
9/15/22 09:53	0.00	75.33	500.6	1667.9	1808.4	6.00	0.00	1000759	110083.5
9/15/22 09:54	0.00	75.35	500.8	1666.6	1808.7	6.00	0.00	999936	109993.0
9/15/22 09:55	0.00	75.54	500.6	1664.9	1808.8	6.00	0.00	998932	109882.5
9/15/22 09:56	0.00	75.62	500.8	1667.9	1808.3	6.00	0.00	1000712	110078.3
9/15/22 09:57	0.00	75.45	499.4	1666.0	1806.9	6.00	0.00	999617	109957.8
9/15/22 09:58	0.00	75.58	500.0	1665.4	1807.5	6.00	0.00	999251	109917.7
9/15/22 09:59	0.00	75.66	499.8	1666.7	1808.7	6.00	0.00	1000028	110003.1
9/15/22 10:00	0.00	75.54	499.4	1667.4	1806.7	6.00	0.00	1000439	110048.3
9/15/22 10:01	0.00	75.35	499.8	1665.4	1807.9	6.00	0.00	999251	109917.7
9/15/22 10:02	0.00	75.30	500.0	1666.0	1808.5	6.00	0.00	999617	109957.8
9/15/22 10:03	0.00	75.55	499.6	1668.6	1807.5	6.00	0.00	1001170	110128.7
9/15/22 10:04	0.00	75.48	500.0	1667.9	1808.2	6.00	0.00	1000712	110078.3
9/15/22 10:05	0.00	75.78	500.6	1665.4	1809.2	6.00	0.00	999251	109917.7
9/15/22 10:06	0.00	75.73	501.0	1667.3	1810.5	6.00	0.00	1000393	110043.2
9/15/22 10:07	0.00	75.52	501.0	1668.5	1811.0	6.00	0.00	1001078	110118.6
9/15/22 10:08	0.00	75.33	500.6	1665.0	1809.8	6.00	0.00	998977	109887.5
9/15/22 10:09	0.00	75.31	500.8	1666.1	1810.4	6.00	0.00	999662	109962.9
9/15/22 10:10	0.00	75.54	500.7	1666.1	1809.2	6.00	0.00	999662	109962.9
9/15/22 10:11	0.00	75.56	500.6	1667.2	1808.9	6.00	0.00	1000301	110033.1
9/15/22 10:12	0.00	75.69	501.2	1666.8	1809.7	6.00	0.00	1000073	110008.0
9/15/22 10:13	0.00	75.35	501.6	1667.3	1809.9	6.00	0.00	1000393	110043.2
9/15/22 10:14	0.00	75.64	502.0	1667.3	1811.1	6.00	0.00	1000393	110043.2
9/15/22 10:15	0.00	75.45	502.1	1665.5	1811.8	6.00	0.00	999297	109922.7
9/15/22 10:16	0.00	75.54	502.0	1666.2	1811.4	6.00	0.00	999708	109967.9
9/15/22 10:17	0.00	75.46	502.7	1667.9	1811.9	6.00	0.00	1000712	110078.3
9/15/22 10:18	0.00	75.62	502.6	1666.0	1812.3	6.00	0.00	999617	109957.8
9/15/22 10:19	0.00	75.34	503.1	1667.3	1813.3	6.00	0.00	1000393	110043.2
9/15/22 10:20	0.00	75.71	502.8	1668.5	1812.3	6.00	0.00	1001078	110118.6
9/15/22 10:21	0.00	75.38	502.2	1666.6	1812.0	6.00	0.00	999982	109998.0
9/15/22 10:22	0.00	75.36	502.4	1667.3	1813.0	6.00	0.00	1000393	110043.2
9/15/22 10:23	0.00	75.42	502.8	1668.6	1813.8	6.00	0.00	1001170	110128.7
9/15/22 10:24	0.00	75.41	503.0	1669.1	1814.2	6.00	0.00	1001443	110158.7
9/15/22 10:25	0.00	75.38	503.2	1665.5	1814.2	6.00	0.00	999297	109922.7
9/15/22 10:26	0.00	75.39	503.5	1669.8	1814.5	6.00	0.00	1001854	110203.9
9/15/22 10:27	0.00	75.50	503.3	1668.5	1813.8	6.00	0.00	1001078	110118.6
9/15/22 10:28	0.00	75.45	503.0	1666.1	1813.2	6.00	0.00	999662	109962.9
9/15/22 10:29	0.00	75.80	503.5	1667.3	1814.8	6.00	0.00	1000393	110043.2
9/15/22 10:30	0.00	75.42	503.3	1667.5	1814.4	6.00	0.00	1000484	110053.2
9/15/22 10:31	0.00	75.64	503.7	1666.6	1815.2	6.00	0.00	999982	109998.0
9/15/22 10:32	0.00	75.54	504.0	1666.9	1815.4	6.00	0.00	1000119	110013.1
9/15/22 10:33	0.00	75.76	503.7	1667.2	1815.2	6.00	0.00	1000347	110038.2
9/15/22 10:34	0.00	75.52	504.1	1667.3	1815.3	6.00	0.00	1000393	110043.2
9/15/22 10:35	0.00	75.53	504.1	1666.0	1815.4	6.00	0.00	999617	109957.8
9/15/22 10:36	0.00	75.33	505.0	1669.1	1817.4	6.00	0.00	1001443	110158.7
9/15/22 10:37	0.00	75.34	504.5	1669.0	1816.7	6.00	0.00	1001398	110153.8
9/15/22 10:38	0.00	75.90	503.0	1666.6	1813.8	6.00	0.00	999982	109998.0
9/15/22 10:39	0.00	75.48	503.7	1666.6	1816.6	6.00	0.00	999982	109998.0
9/15/22 10:40	0.00	75.33	504.7	1668.5	1817.9	6.00	0.00	1001078	110118.6
9/15/22 10:41	0.00	75.39	504.5	1666.1	1816.9	6.00	0.00	999662	109962.9
9/15/22 10:42	0.00	75.48	503.4	1666.1	1814.5	6.00	0.00	999662	109962.9
9/15/22 10:43	0.00	75.57	503.5	1667.9	1814.7	6.00	0.00	1000712	110078.3
9/15/22 10:44	0.00	75.56	503.7	1667.4	1814.7	6.00	0.00	1000439	110048.3
9/15/22 10:45	0.00	75.31	504.1	1666.1	1815.4	6.00	0.00	999662	109962.9
9/15/22 10:46	0.00	75.70	504.5	1667.2	1817.3	6.00	0.00	1000348	110038.3
9/15/22 10:47	0.00	75.60	505.5	1669.8	1818.1	6.00	0.00	1001900	110209.0
9/15/22 10:48	0.00	75.38	504.1	1667.3	1815.7	6.00	0.00	1000393	110043.2
9/15/22 10:49	0.00	75.59	503.7	1666.1	1815.0	6.00	0.00	999662	109962.9
9/15/22 10:50	0.00	75.69	504.1	1667.9	1815.5	6.00	0.00	1000759	110083.5
9/15/22 10:51	0.00	75.46	503.9	1668.8	1815.4	6.00	0.00	1001306	110143.7
Run 3 End - NG	**0.00**	**75.51**	**496.75**	**1666.69**	**1799.15**	**6.00**	**0.00**	**1000015**	**110001.6**
Run 4 Start - NG									
9/15/22 10:53	0.00	75.35	504.9	1668.6	1818.5	6.00	0.00	1001170	110128.7
9/15/22 10:54	0.00	75.52	506.4	1667.9	1821.2	6.00	0.00	1000759	110083.5

9/15/22 10:55	0.00	75.97	505.5	1669.1	1818.8	6.00	0.00	1001443	110158.7
9/15/22 10:56	0.00	75.63	504.7	1665.4	1817.5	6.00	0.00	999251	109917.7
9/15/22 10:57	0.00	75.42	504.9	1668.0	1818.0	6.00	0.00	1000804	110088.4
9/15/22 10:58	0.00	75.51	504.5	1666.6	1817.1	6.00	0.00	999982	109998.0
9/15/22 10:59	0.00	75.55	504.5	1665.6	1816.5	6.00	0.00	999388	109932.7
9/15/22 11:00	0.00	75.21	504.5	1666.8	1816.8	6.00	0.00	1000073	110008.0
9/15/22 11:01	0.00	75.33	504.9	1667.8	1817.9	6.00	0.00	1000667	110073.4
9/15/22 11:02	0.00	75.77	505.7	1667.4	1819.4	6.00	0.00	1000439	110048.3
9/15/22 11:03	0.00	75.69	505.3	1666.7	1818.2	6.00	0.00	1000028	110003.1
9/15/22 11:04	0.00	75.68	504.9	1665.6	1817.7	6.00	0.00	999343	109927.7
9/15/22 11:05	0.00	75.59	505.2	1668.0	1817.9	6.00	0.00	1000804	110088.4
9/15/22 11:06	0.00	75.39	505.0	1666.6	1817.3	6.00	0.00	999982	109998.0
9/15/22 11:07	0.00	75.58	504.9	1666.6	1817.5	6.00	0.00	999982	109998.0
9/15/22 11:08	0.00	75.50	504.5	1668.0	1816.6	6.00	0.00	1000804	110088.4
9/15/22 11:09	0.00	75.70	504.1	1665.5	1816.3	6.00	0.00	999297	109922.7
9/15/22 11:10	0.00	75.58	504.7	1665.4	1817.8	6.00	0.00	999251	109917.7
9/15/22 11:11	0.00	75.49	505.5	1666.7	1819.3	6.00	0.00	1000028	110003.1
9/15/22 11:12	0.00	75.52	505.5	1667.8	1819.2	6.00	0.00	1000667	110073.4
9/15/22 11:13	0.00	75.52	505.3	1666.6	1818.3	6.00	0.00	999982	109998.0
9/15/22 11:14	0.00	75.82	505.5	1666.7	1819.7	6.00	0.00	1000028	110003.1
9/15/22 11:15	0.00	75.63	505.1	1667.4	1818.0	6.00	0.00	1000439	110048.3
9/15/22 11:16	0.00	75.47	505.5	1667.9	1818.6	6.00	0.00	1000758	110083.4
9/15/22 11:17	0.00	75.40	505.5	1664.8	1818.2	6.00	0.00	998886	109877.5
9/15/22 11:18	0.00	75.48	505.1	1666.1	1818.0	6.00	0.00	999662	109962.9
9/15/22 11:19	0.00	75.64	505.1	1667.9	1818.5	6.00	0.00	1000759	110083.5
9/15/22 11:20	0.00	75.56	505.3	1666.0	1818.2	6.00	0.00	999617	109957.8
9/15/22 11:21	0.00	75.50	505.5	1665.5	1818.4	6.00	0.00	999297	109922.7
9/15/22 11:22	0.00	75.57	505.7	1666.5	1818.7	6.00	0.00	999890	109987.9
9/15/22 11:23	0.00	75.33	505.0	1666.5	1817.6	6.00	0.00	999890	109987.9
9/15/22 11:24	0.00	75.61	505.3	1664.4	1818.3	6.00	0.00	998612	109847.4
9/15/22 11:25	0.00	75.76	505.3	1666.7	1819.6	6.00	0.00	1000028	110003.1
9/15/22 11:26	0.00	75.82	505.3	1667.4	1818.9	6.00	0.00	1000439	110048.3
9/15/22 11:27	0.00	75.44	505.8	1666.6	1820.4	6.00	0.00	999982	109998.0
9/15/22 11:28	0.00	75.24	506.3	1666.7	1821.0	6.00	0.00	1000028	110003.1
9/15/22 11:29	0.00	75.60	505.9	1666.8	1820.0	6.00	0.00	1000073	110008.0
9/15/22 11:30	0.00	75.44	505.2	1666.1	1818.2	6.00	0.00	999662	109962.9
9/15/22 11:31	0.00	75.39	505.7	1666.7	1819.4	6.00	0.00	1000028	110003.1
9/15/22 11:32	0.00	75.50	506.7	1666.8	1821.4	6.00	0.00	1000073	110008.0
9/15/22 11:33	0.00	75.73	505.9	1666.0	1819.5	6.00	0.00	999617	109957.8
9/15/22 11:34	0.00	75.57	505.7	1666.7	1819.1	6.00	0.00	1000028	110003.1
9/15/22 11:35	0.00	75.48	505.5	1664.3	1818.9	6.00	0.00	998566	109842.3
9/15/22 11:36	0.00	75.46	505.9	1668.5	1819.7	6.00	0.00	1001123	110123.5
9/15/22 11:37	0.00	75.24	505.7	1666.9	1819.1	6.00	0.00	1000119	110013.1
9/15/22 11:38	0.00	75.74	505.5	1664.9	1818.7	6.00	0.00	998932	109882.5
9/15/22 11:39	0.00	75.44	505.9	1665.9	1819.9	6.00	0.00	999525	109947.8
9/15/22 11:40	0.00	75.44	505.9	1666.1	1820.2	6.00	0.00	999662	109962.9
9/15/22 11:41	0.00	75.50	506.3	1666.2	1821.3	6.00	0.00	999708	109967.9
9/15/22 11:42	0.00	75.50	505.9	1665.3	1821.1	6.00	0.00	999160	109907.6
9/15/22 11:43	0.00	75.41	506.1	1666.6	1821.3	6.00	0.00	999982	109998.0
9/15/22 11:44	0.00	75.62	505.7	1668.2	1819.9	6.00	0.00	1000941	110103.5
9/15/22 11:45	0.00	75.48	505.5	1665.6	1819.2	6.00	0.00	999343	109927.7
9/15/22 11:46	0.00	75.70	506.7	1667.0	1821.0	6.00	0.00	1000210	110023.1
9/15/22 11:47	0.00	75.34	506.5	1667.9	1820.5	6.00	0.00	1000759	110083.5
9/15/22 11:48	0.00	75.50	507.1	1669.7	1822.0	6.00	0.00	1001809	110199.0
9/15/22 11:49	0.00	75.37	507.7	1668.5	1823.6	6.00	0.00	1001078	110118.6
9/15/22 11:50	0.00	75.56	507.5	1671.5	1822.6	6.00	0.00	1002905	110319.6
9/15/22 11:51	0.00	75.60	506.8	1672.2	1821.3	6.00	0.00	1003316	110364.8
9/15/22 11:52	0.00	75.46	507.2	1671.7	1822.1	6.00	0.00	1003042	110334.6
9/15/22 11:53	0.00	75.60	508.1	1673.3	1824.2	6.00	0.00	1004000	110440.0
9/15/22 11:54	0.00	75.76	508.8	1675.2	1825.8	6.00	0.00	1005097	110560.7
9/15/22 11:55	0.00	75.59	508.1	1672.1	1824.5	6.00	0.00	1003270	110359.7
9/15/22 11:56	0.00	75.45	506.9	1669.2	1822.1	6.00	0.00	1001535	110168.9
9/15/22 11:57	0.00	75.56	507.5	1672.2	1823.6	6.00	0.00	1003316	110364.8
9/15/22 11:58	0.00	75.23	507.7	1673.4	1824.2	6.00	0.00	1004047	110445.2
9/15/22 11:59	0.00	75.40	507.1	1671.5	1822.9	6.00	0.00	1002905	110319.6
9/15/22 12:00	0.00	75.39	507.7	1672.2	1823.0	6.00	0.00	1003316	110364.8
9/15/22 12:01	0.00	75.63	507.5	1672.8	1822.9	6.00	0.00	1003681	110404.9
9/15/22 12:02	0.00	75.57	507.6	1672.9	1822.1	6.00	0.00	1003727	110410.0
9/15/22 12:03	0.00	75.46	507.1	1671.1	1821.8	6.00	0.00	1002631	110289.4
9/15/22 12:04	0.00	75.67	508.4	1673.4	1825.4	6.00	0.00	1004047	110445.2
9/15/22 12:05	0.00	75.58	507.5	1671.1	1822.7	6.00	0.00	1002631	110289.4
9/15/22 12:06	0.00	75.30	507.5	1671.1	1822.9	6.00	0.00	1002631	110289.4

9/15/22 12:07	0.00	75.33	508.6	1672.3	1825.2	6.00	0.00	1003361	110369.7
9/15/22 12:08	0.00	75.45	508.4	1673.4	1825.5	6.00	0.00	1004047	110445.2
9/15/22 12:09	0.00	75.70	508.0	1672.8	1823.6	6.00	0.00	1003681	110404.9
9/15/22 12:10	0.00	75.38	507.7	1673.5	1823.0	6.00	0.00	1004092	110450.1
9/15/22 12:11	0.00	75.44	507.6	1671.8	1823.6	6.00	0.00	1003087	110339.6
9/15/22 12:12	0.00	75.65	507.7	1672.8	1824.9	6.00	0.00	1003681	110404.9
9/15/22 12:13	0.00	75.31	507.9	1672.2	1824.9	6.00	0.00	1003316	110364.8
9/15/22 12:14	0.00	75.69	508.7	1672.5	1825.9	6.00	0.00	1003498	110384.8
9/15/22 12:15	0.00	75.69	509.4	1673.8	1827.7	6.00	0.00	1004275	110470.3
9/15/22 12:16	0.00	75.56	508.8	1674.6	1826.0	6.00	0.00	1004777	110525.5
9/15/22 12:17	0.00	75.26	509.3	1673.8	1826.7	6.00	0.00	1004275	110470.3
9/15/22 12:18	0.00	75.68	508.3	1670.9	1823.8	6.00	0.00	1002539	110279.3
9/15/22 12:19	0.00	75.52	507.2	1673.3	1822.2	6.00	0.00	1004000	110440.0
9/15/22 12:20	0.00	75.54	506.8	1673.4	1821.9	6.00	0.00	1004047	110445.2
9/15/22 12:21	0.00	75.50	506.9	1671.7	1821.6	6.00	0.00	1002996	110329.6
9/15/22 12:22	0.00	75.60	507.0	1671.6	1821.7	6.00	0.00	1002950	110324.5
9/15/22 12:23	0.00	75.40	506.8	1672.8	1821.4	6.00	0.00	1003681	110404.9
9/15/22 12:24	0.00	75.55	506.9	1674.6	1821.0	6.00	0.00	1004777	110525.5
9/15/22 12:25	0.00	75.33	507.3	1673.3	1822.1	6.00	0.00	1004000	110440.0
9/15/22 12:26	0.00	75.66	506.7	1674.6	1821.4	6.00	0.00	1004777	110525.5
9/15/22 12:27	0.00	75.61	506.9	1673.3	1822.7	6.00	0.00	1004000	110440.0
9/15/22 12:28	0.00	75.77	507.7	1672.3	1824.4	6.00	0.00	1003361	110369.7
9/15/22 12:29	0.00	75.57	507.1	1669.8	1822.8	6.00	0.00	1001900	110209.0
9/15/22 12:30	0.00	75.45	507.1	1672.1	1822.0	6.00	0.00	1003270	110359.7
9/15/22 12:31	0.00	75.48	506.8	1672.9	1821.6	6.00	0.00	1003727	110410.0
9/15/22 12:32	0.00	75.80	506.5	1671.4	1820.6	6.00	0.00	1002859	110314.5
9/15/22 12:33	0.00	75.35	506.9	1672.3	1821.7	6.00	0.00	1003407	110374.8
9/15/22 12:34	0.00	75.21	507.1	1674.6	1822.3	6.00	0.00	1004777	110525.5
9/15/22 12:35	0.00	75.63	506.9	1673.3	1822.5	6.00	0.00	1003955	110435.1
9/15/22 12:36	0.00	75.56	507.7	1673.2	1823.9	6.00	0.00	1003909	110430.0
9/15/22 12:37	0.00	75.29	507.7	1673.2	1822.9	6.00	0.00	1003909	110430.0
9/15/22 12:38	0.00	75.47	506.7	1673.9	1821.1	6.00	0.00	1004366	110480.3
9/15/22 12:39	0.00	75.44	508.0	1672.8	1823.9	6.00	0.00	1003681	110404.9
9/15/22 12:40	0.00	75.49	508.3	1670.9	1824.9	6.00	0.00	1002539	110279.3
9/15/22 12:41	0.00	75.63	506.9	1672.2	1821.0	6.00	0.00	1003316	110364.8
9/15/22 12:42	0.00	75.49	506.7	1671.6	1821.3	6.00	0.00	1002950	110324.5
9/15/22 12:43	0.00	75.21	506.9	1671.4	1822.6	6.00	0.00	1002859	110314.5
9/15/22 12:44	0.00	75.46	507.2	1672.7	1823.3	6.00	0.00	1003635	110399.9
9/15/22 12:45	0.00	75.29	507.4	1673.4	1822.8	6.00	0.00	1004046	110445.1
9/15/22 12:46	0.00	75.30	507.3	1671.6	1822.9	6.00	0.00	1002950	110324.5
9/15/22 12:47	0.00	75.25	506.5	1671.0	1821.3	6.00	0.00	1002585	110284.4
9/15/22 12:48	0.00	75.61	507.3	1672.7	1822.2	6.00	0.00	1003635	110399.9
9/15/22 12:49	0.00	75.32	506.9	1671.7	1821.3	6.00	0.00	1002996	110329.6
9/15/22 12:50	0.00	75.48	507.3	1671.0	1822.1	6.00	0.00	1002585	110284.4
9/15/22 12:51	0.00	75.59	507.2	1670.9	1822.2	6.00	0.00	1002539	110279.3
9/15/22 12:52	0.00	75.46	507.0	1673.3	1822.4	6.00	0.00	1004000	110440.0
9/15/22 12:53	0.00	75.56	507.9	1674.6	1824.2	6.00	0.00	1004731	110520.4
9/15/22 12:54	0.00	75.69	508.3	1675.2	1825.2	6.00	0.00	1005097	110560.7
9/15/22 12:55	0.00	75.59	507.3	1672.6	1822.3	6.00	0.00	1003589	110394.8
9/15/22 12:56	0.00	75.76	507.3	1670.9	1822.3	6.00	0.00	1002539	110279.3
9/15/22 12:57	0.00	75.15	506.9	1670.8	1822.2	6.00	0.00	1002494	110274.3
9/15/22 12:58	0.00	75.58	508.0	1674.0	1825.4	6.00	0.00	1004411	110485.2
9/15/22 12:59	0.00	75.32	507.8	1672.9	1824.8	6.00	0.00	1003727	110410.0
9/15/22 13:00	0.00	75.54	507.4	1671.8	1823.8	6.00	0.00	1003088	110339.7
9/15/22 13:01	0.00	75.60	507.5	1673.4	1823.8	6.00	0.00	1004047	110445.2
9/15/22 13:02	0.00	75.42	507.3	1672.3	1823.2	6.00	0.00	1003361	110369.7
9/15/22 13:03	0.00	75.45	507.5	1672.8	1822.9	6.00	0.00	1003681	110404.9
9/15/22 13:04	0.00	75.48	508.1	1674.7	1824.8	6.00	0.00	1004822	110530.4
9/15/22 13:05	0.00	75.35	508.3	1671.7	1824.8	6.00	0.00	1003042	110334.6
9/15/22 13:06	0.00	75.68	507.5	1672.7	1823.2	6.00	0.00	1003635	110399.9
9/15/22 13:07	0.00	75.57	507.5	1672.8	1823.6	6.00	0.00	1003681	110404.9
9/15/22 13:08	0.00	75.53	507.9	1671.7	1823.8	6.00	0.00	1002996	110329.6
9/15/22 13:09	0.00	75.45	507.8	1673.8	1823.9	6.00	0.00	1004275	110470.3
9/15/22 13:10	0.00	75.46	508.1	1672.3	1823.9	6.00	0.00	1003361	110369.7
9/15/22 13:11	0.00	75.22	508.0	1674.0	1823.6	6.00	0.00	1004411	110485.2
9/15/22 13:12	0.00	75.61	508.4	1674.0	1825.7	6.00	0.00	1004411	110485.2
9/15/22 13:13	0.00	75.38	508.6	1672.3	1825.5	6.00	0.00	1003361	110369.7
9/15/22 13:14	0.00	75.40	508.4	1672.2	1825.7	6.00	0.00	1003315	110364.7
9/15/22 13:15	0.00	75.15	508.5	1673.4	1826.7	6.00	0.00	1004046	110445.1
9/15/22 13:16	0.00	75.50	508.2	1672.2	1825.1	6.00	0.00	1003315	110364.7
9/15/22 13:17	0.00	75.36	507.9	1671.6	1824.5	6.00	0.00	1002950	110324.5
9/15/22 13:18	0.00	75.65	508.5	1672.9	1826.4	6.00	0.00	1003727	110410.0

9/15/22 13:19	0.00	75.32	509.7	1672.3	1827.6	6.00	0.00	1003361	110369.7
9/15/22 13:20	0.00	75.66	507.8	1670.5	1823.8	6.00	0.00	1002311	110254.2
9/15/22 13:21	0.00	75.41	507.5	1668.7	1822.6	6.00	0.00	1001215	110133.7
9/15/22 13:22	0.00	75.35	507.2	1668.6	1821.9	6.00	0.00	1001170	110128.7
9/15/22 13:23	0.00	75.43	506.7	1671.0	1821.7	6.00	0.00	1002585	110284.4
9/15/22 13:24	0.00	75.49	506.5	1669.1	1820.9	6.00	0.00	1001489	110163.8
9/15/22 13:25	0.00	75.48	505.9	1669.8	1820.1	6.00	0.00	1001854	110203.9
9/15/22 13:26	0.00	75.39	506.9	1669.4	1821.8	6.00	0.00	1001626	110178.9
9/15/22 13:27	0.00	75.57	506.3	1669.2	1820.8	6.00	0.00	1001534	110168.7
9/15/22 13:28	0.00	75.46	506.3	1668.1	1821.0	6.00	0.00	1000850	110093.5
9/15/22 13:29	0.00	75.62	506.3	1668.2	1821.2	6.00	0.00	1000941	110103.5
9/15/22 13:30	0.00	75.52	506.3	1670.4	1822.2	6.00	0.00	1002265	110249.2
9/15/22 13:31	0.00	75.23	507.2	1669.1	1823.2	6.00	0.00	1001489	110163.8
9/15/22 13:32	0.00	75.35	507.4	1671.7	1823.5	6.00	0.00	1003042	110334.6
9/15/22 13:33	0.00	75.29	507.5	1670.5	1823.2	6.00	0.00	1002311	110254.2
9/15/22 13:34	0.00	75.17	507.4	1670.4	1823.7	6.00	0.00	1002220	110244.2
9/15/22 13:35	0.00	75.56	507.6	1669.1	1823.3	6.00	0.00	1001489	110163.8
9/15/22 13:36	0.00	75.64	507.3	1669.8	1822.6	6.00	0.00	1001900	110209.0
9/15/22 13:37	0.00	75.24	507.5	1668.2	1823.3	6.00	0.00	1000895	110098.5
9/15/22 13:38	0.00	75.40	507.9	1669.1	1824.5	6.00	0.00	1001443	110158.7
9/15/22 13:39	0.00	75.40	507.4	1669.4	1822.9	6.00	0.00	1001626	110178.9
9/15/22 13:40	0.00	75.33	507.4	1668.6	1823.2	6.00	0.00	1001169	110128.6
9/15/22 13:41	0.00	75.60	508.0	1669.9	1824.8	6.00	0.00	1001945	110214.0
9/15/22 13:42	0.00	75.57	508.2	1669.9	1824.6	6.00	0.00	1001945	110214.0
9/15/22 13:43	0.00	75.39	508.1	1671.1	1824.3	6.00	0.00	1002676	110294.4
9/15/22 13:44	0.00	75.44	508.4	1670.4	1825.0	6.00	0.00	1002220	110244.2
9/15/22 13:45	0.00	75.36	507.5	1666.9	1823.5	6.00	0.00	1000165	110018.2
9/15/22 13:46	0.00	75.42	507.4	1669.8	1823.2	6.00	0.00	1001854	110203.9
9/15/22 13:47	0.00	75.27	507.5	1670.4	1823.7	6.00	0.00	1002220	110244.2
9/15/22 13:48	0.00	75.40	507.3	1669.8	1823.0	6.00	0.00	1001854	110203.9
9/15/22 13:49	0.00	75.51	507.5	1668.5	1823.8	6.00	0.00	1001123	110123.5
9/15/22 13:50	0.00	75.62	507.7	1669.1	1823.5	6.00	0.00	1001489	110163.8
9/15/22 13:51	0.00	75.41	507.9	1671.1	1824.3	6.00	0.00	1002676	110294.4
9/15/22 13:52	0.00	75.36	509.1	1669.1	1825.8	6.00	0.00	1001489	110163.8
9/15/22 13:53	0.00	75.51	509.1	1668.4	1826.3	6.00	0.00	1001032	110113.5
9/15/22 13:54	0.00	75.58	508.4	1669.7	1824.7	6.00	0.00	1001809	110199.0
9/15/22 13:55	0.00	75.35	509.1	1669.9	1826.0	6.00	0.00	1001945	110214.0
9/15/22 13:56	0.00	75.57	509.3	1668.2	1826.9	6.00	0.00	1000895	110098.5
9/15/22 13:57	0.00	75.34	509.8	1670.6	1828.3	6.00	0.00	1002356	110259.2
9/15/22 13:58	0.00	75.48	510.5	1669.6	1828.6	6.00	0.00	1001762	110193.8
9/15/22 13:59	0.00	75.32	509.5	1671.0	1827.1	6.00	0.00	1002585	110284.4
9/15/22 14:00	0.00	75.46	508.2	1667.3	1824.7	6.00	0.00	1000393	110043.2
9/15/22 14:01	0.00	75.38	507.6	1666.8	1824.9	6.00	0.00	1000073	110008.0
9/15/22 14:02	0.00	75.35	508.1	1669.7	1825.2	6.00	0.00	1001809	110199.0
9/15/22 14:03	0.00	75.37	508.4	1669.7	1826.0	6.00	0.00	1001809	110199.0
9/15/22 14:04	0.00	75.53	508.1	1669.2	1824.5	6.00	0.00	1001535	110168.9
9/15/22 14:05	0.00	75.54	507.9	1669.4	1824.3	6.00	0.00	1001626	110178.9
9/15/22 14:06	0.00	75.58	508.4	1670.0	1825.1	6.00	0.00	1001992	110219.1
9/15/22 14:07	0.00	75.82	508.4	1667.9	1824.0	6.00	0.00	1000759	110083.5
9/15/22 14:08	0.00	75.42	508.3	1667.9	1824.8	6.00	0.00	1000759	110083.5
9/15/22 14:09	0.00	75.53	509.5	1670.4	1827.2	6.00	0.00	1002265	110249.2
9/15/22 14:10	0.00	75.55	508.9	1670.4	1826.9	6.00	0.00	1002265	110249.2
9/15/22 14:11	0.00	75.53	508.2	1667.6	1824.8	6.00	0.00	1000530	110058.3
9/15/22 14:12	0.00	75.77	508.6	1668.5	1825.6	6.00	0.00	1001123	110123.5
9/15/22 14:13	0.00	75.60	508.6	1669.2	1824.9	6.00	0.00	1001534	110168.7
9/15/22 14:14	0.00	75.87	508.3	1669.6	1824.3	6.00	0.00	1001763	110193.9
9/15/22 14:15	0.00	75.50	507.9	1670.4	1823.5	6.00	0.00	1002220	110244.2
9/15/22 14:16	0.00	75.53	508.3	1666.0	1825.4	6.00	0.00	999617	109957.8
9/15/22 14:17	0.00	75.55	507.7	1667.5	1824.3	6.00	0.00	1000484	110053.2
9/15/22 14:18	0.00	75.50	507.9	1670.3	1824.4	6.00	0.00	1002174	110239.1
9/15/22 14:19	0.00	75.30	507.9	1667.4	1824.8	6.00	0.00	1000439	110048.3
9/15/22 14:20	0.00	75.41	508.1	1669.0	1824.4	6.00	0.00	1001398	110153.8
9/15/22 14:21	0.00	75.48	508.4	1669.1	1825.6	6.00	0.00	1001489	110163.8
9/15/22 14:22	0.00	75.55	507.7	1665.5	1823.3	6.00	0.00	999297	109922.7
9/15/22 14:23	0.00	75.67	507.9	1668.5	1823.6	6.00	0.00	1001078	110118.6
9/15/22 14:24	0.00	75.70	508.4	1668.5	1825.2	6.00	0.00	1001124	110123.6
9/15/22 14:25	0.00	75.14	507.9	1669.7	1824.3	6.00	0.00	1001809	110199.0
Run 4 End - NG	**0.00**	**75.49**	**507.14**	**1669.98**	**1822.48**	**6.00**	**0.00**	**1001985**	**110218.4**
Run 5 Start - NG									
9/15/22 14:29	0.00	75.45	508.3	1667.9	1824.5	6.00	0.00	1000712	110078.3
9/15/22 14:30	0.00	75.48	508.7	1669.1	1825.8	6.00	0.00	1001443	110158.7

9/15/22 14:31	0.00	75.56	508.6	1669.8	1826.3	6.00	0.00	1001900	110209.0
9/15/22 14:32	0.00	75.29	508.3	1667.9	1825.5	6.00	0.00	1000759	110083.5
9/15/22 14:33	0.00	75.29	508.4	1668.5	1826.0	6.00	0.00	1001078	110118.6
9/15/22 14:34	0.00	75.62	509.2	1671.6	1828.2	6.00	0.00	1002950	110324.5
9/15/22 14:35	0.00	75.39	509.3	1671.1	1827.6	6.00	0.00	1002631	110289.4
9/15/22 14:36	0.00	75.40	509.6	1671.0	1828.2	6.00	0.00	1002585	110284.4
9/15/22 14:37	0.00	75.40	510.2	1671.0	1829.7	6.00	0.00	1002585	110284.4
9/15/22 14:38	0.00	75.25	510.4	1673.3	1829.8	6.00	0.00	1003955	110435.1
9/15/22 14:39	0.00	75.36	509.5	1669.9	1826.5	6.00	0.00	1001945	110214.0
9/15/22 14:40	0.00	75.73	509.6	1669.3	1827.5	6.00	0.00	1001581	110173.9
9/15/22 14:41	0.00	76.06	509.9	1672.6	1829.1	6.00	0.00	1003589	110394.8
9/15/22 14:42	0.00	75.55	510.1	1669.8	1828.8	6.00	0.00	1001900	110209.0
9/15/22 14:43	0.00	75.44	509.9	1670.2	1828.6	6.00	0.00	1002128	110234.1
9/15/22 14:44	0.00	75.63	509.5	1670.4	1827.7	6.00	0.00	1002220	110244.2
9/15/22 14:45	0.00	75.34	509.2	1672.3	1826.4	6.00	0.00	1003407	110374.8
9/15/22 14:46	0.00	75.19	508.9	1667.9	1825.6	6.00	0.00	1000759	110083.5
9/15/22 14:47	0.00	75.63	509.1	1670.4	1826.4	6.00	0.00	1002220	110244.2
9/15/22 14:48	0.00	75.44	508.9	1671.1	1827.0	6.00	0.00	1002631	110289.4
9/15/22 14:49	0.00	75.62	508.9	1670.9	1827.1	6.00	0.00	1002539	110279.3
9/15/22 14:50	0.00	75.32	508.3	1669.2	1826.1	6.00	0.00	1001535	110168.9
9/15/22 14:51	0.00	75.75	509.5	1670.5	1827.9	6.00	0.00	1002311	110254.2
9/15/22 14:52	0.00	75.35	509.3	1670.4	1827.6	6.00	0.00	1002220	110244.2
9/15/22 14:53	0.00	75.53	509.7	1671.7	1827.3	6.00	0.00	1002996	110329.6
9/15/22 14:54	0.00	75.39	509.3	1671.0	1826.6	6.00	0.00	1002585	110284.4
9/15/22 14:55	0.00	75.65	509.1	1670.4	1826.7	6.00	0.00	1002220	110244.2
9/15/22 14:56	0.00	75.31	508.6	1671.0	1825.6	6.00	0.00	1002585	110284.4
9/15/22 14:57	0.00	75.34	508.5	1667.3	1825.9	6.00	0.00	1000393	110043.2
9/15/22 14:58	0.00	75.38	509.9	1671.8	1829.0	6.00	0.00	1003088	110339.7
9/15/22 14:59	0.00	75.51	509.1	1671.6	1827.1	6.00	0.00	1002950	110324.5
9/15/22 15:00	0.00	75.58	508.9	1669.8	1825.7	6.00	0.00	1001854	110203.9
9/15/22 15:01	0.00	75.43	509.1	1669.1	1826.6	6.00	0.00	1001489	110163.8
9/15/22 15:02	0.00	75.54	508.9	1671.0	1826.4	6.00	0.00	1002585	110284.4
9/15/22 15:03	0.00	75.42	508.9	1669.8	1826.8	6.00	0.00	1001854	110203.9
9/15/22 15:04	0.00	75.25	509.3	1669.7	1827.9	6.00	0.00	1001809	110199.0
9/15/22 15:05	0.00	75.47	509.1	1669.2	1827.3	6.00	0.00	1001534	110168.7
9/15/22 15:06	0.00	75.59	509.1	1669.8	1827.2	6.00	0.00	1001854	110203.9
9/15/22 15:07	0.00	75.46	508.9	1669.0	1826.6	6.00	0.00	1001398	110153.8
9/15/22 15:08	0.00	75.50	509.5	1669.1	1828.0	6.00	0.00	1001489	110163.8
9/15/22 15:09	0.00	75.46	509.6	1670.0	1827.6	6.00	0.00	1001991	110219.0
9/15/22 15:10	0.00	75.33	508.8	1669.8	1825.8	6.00	0.00	1001854	110203.9
9/15/22 15:11	0.00	75.37	508.5	1667.2	1825.2	6.00	0.00	1000348	110038.3
9/15/22 15:12	0.00	75.53	508.8	1669.8	1826.1	6.00	0.00	1001854	110203.9
9/15/22 15:13	0.00	75.29	508.8	1669.8	1825.5	6.00	0.00	1001900	110209.0
9/15/22 15:14	0.00	75.21	509.6	1669.8	1827.9	6.00	0.00	1001900	110209.0
9/15/22 15:15	0.00	75.24	509.4	1669.1	1827.2	6.00	0.00	1001443	110158.7
9/15/22 15:16	0.00	75.57	509.7	1671.1	1827.4	6.00	0.00	1002631	110289.4
9/15/22 15:17	0.00	75.33	509.3	1670.4	1826.7	6.00	0.00	1002220	110244.2
9/15/22 15:18	0.00	75.41	509.7	1667.9	1828.3	6.00	0.00	1000759	110083.5
9/15/22 15:19	0.00	75.50	510.4	1670.3	1830.4	6.00	0.00	1002174	110239.1
9/15/22 15:20	0.00	75.81	509.7	1670.4	1828.6	6.00	0.00	1002220	110244.2
9/15/22 15:21	0.00	75.69	509.5	1668.6	1828.3	6.00	0.00	1001169	110128.6
9/15/22 15:22	0.00	75.63	509.5	1668.5	1827.8	6.00	0.00	1001124	110123.6
9/15/22 15:23	0.00	75.62	508.9	1671.5	1826.7	6.00	0.00	1002905	110319.6
9/15/22 15:24	0.00	75.56	508.8	1669.8	1826.0	6.00	0.00	1001854	110203.9
9/15/22 15:25	0.00	75.39	508.2	1669.1	1824.5	6.00	0.00	1001443	110158.7
9/15/22 15:26	0.00	75.36	508.7	1669.1	1826.0	6.00	0.00	1001443	110158.7
9/15/22 15:27	0.00	75.67	508.6	1671.6	1825.5	6.00	0.00	1002950	110324.5
9/15/22 15:28	0.00	75.53	508.4	1670.3	1826.1	6.00	0.00	1002174	110239.1
9/15/22 15:29	0.00	75.41	508.6	1669.8	1826.4	6.00	0.00	1001900	110209.0
9/15/22 15:30	0.00	75.64	508.8	1670.8	1826.3	6.00	0.00	1002494	110274.3
9/15/22 15:31	0.00	75.34	508.9	1670.4	1826.3	6.00	0.00	1002220	110244.2
9/15/22 15:32	0.00	75.38	508.9	1668.5	1825.4	6.00	0.00	1001123	110123.5
9/15/22 15:33	0.00	75.36	509.3	1670.9	1827.1	6.00	0.00	1002539	110279.3
9/15/22 15:34	0.00	75.68	509.5	1669.8	1827.1	6.00	0.00	1001854	110203.9
9/15/22 15:35	0.00	75.40	509.1	1671.1	1827.9	6.00	0.00	1002676	110294.4
9/15/22 15:36	0.00	75.31	508.8	1668.5	1827.3	6.00	0.00	1001078	110118.6
9/15/22 15:37	0.00	75.52	509.1	1671.5	1827.3	6.00	0.00	1002905	110319.6
9/15/22 15:38	0.00	75.58	508.6	1669.8	1826.3	6.00	0.00	1001854	110203.9
9/15/22 15:39	0.00	75.40	508.9	1669.1	1826.2	6.00	0.00	1001489	110163.8
9/15/22 15:40	0.00	75.57	509.1	1670.8	1826.6	6.00	0.00	1002494	110274.3
9/15/22 15:41	0.00	75.79	508.3	1672.3	1824.9	6.00	0.00	1003407	110374.8
9/15/22 15:42	0.00	75.48	508.9	1669.1	1826.2	6.00	0.00	1001489	110163.8

9/15/22 15:43	0.00	75.56	509.2	1669.2	1826.5	6.00	0.00	1001534	110168.7
9/15/22 15:44	0.00	75.29	508.8	1667.9	1826.0	6.00	0.00	1000759	110083.5
9/15/22 15:45	0.00	75.35	508.4	1670.4	1825.3	6.00	0.00	1002220	110244.2
9/15/22 15:46	0.00	75.30	508.4	1666.8	1825.5	6.00	0.00	1000073	110008.0
9/15/22 15:47	0.00	75.36	508.7	1669.7	1825.5	6.00	0.00	1001809	110199.0
9/15/22 15:48	0.00	75.48	508.6	1669.8	1825.9	6.00	0.00	1001900	110209.0
9/15/22 15:49	0.00	75.59	509.7	1670.4	1827.0	6.00	0.00	1002220	110244.2
9/15/22 15:50	0.00	75.42	508.9	1668.5	1826.6	6.00	0.00	1001123	110123.5
9/15/22 15:51	0.00	75.66	509.0	1671.1	1827.1	6.00	0.00	1002631	110289.4
9/15/22 15:52	0.00	75.80	508.8	1669.2	1827.1	6.00	0.00	1001534	110168.7
9/15/22 15:53	0.00	75.59	508.6	1667.9	1826.0	6.00	0.00	1000759	110083.5
9/15/22 15:54	0.00	75.74	508.6	1669.1	1827.0	6.00	0.00	1001443	110158.7
9/15/22 15:55	0.00	75.75	509.1	1671.0	1826.9	6.00	0.00	1002585	110284.4
9/15/22 15:56	0.00	75.41	508.9	1669.1	1826.4	6.00	0.00	1001489	110163.8
9/15/22 15:57	0.00	75.28	508.1	1667.9	1824.8	6.00	0.00	1000759	110083.5
9/15/22 15:58	0.00	75.38	508.1	1669.2	1824.8	6.00	0.00	1001534	110168.7
9/15/22 15:59	0.00	75.40	508.7	1669.2	1825.4	6.00	0.00	1001535	110168.9
9/15/22 16:00	0.00	75.62	508.4	1667.9	1825.1	6.00	0.00	1000759	110083.5
9/15/22 16:01	0.00	75.54	508.3	1668.2	1825.3	6.00	0.00	1000941	110103.5
9/15/22 16:02	0.00	75.35	508.4	1669.8	1825.8	6.00	0.00	1001854	110203.9
9/15/22 16:03	0.00	75.22	508.4	1669.6	1825.8	6.00	0.00	1001763	110193.9
9/15/22 16:04	0.00	75.35	508.4	1668.2	1824.6	6.00	0.00	1000895	110098.5
9/15/22 16:05	0.00	75.58	508.1	1669.1	1824.5	6.00	0.00	1001489	110163.8
9/15/22 16:06	0.00	75.50	508.3	1669.1	1825.5	6.00	0.00	1001489	110163.8
9/15/22 16:07	0.00	75.64	508.0	1668.5	1825.1	6.00	0.00	1001123	110123.5
9/15/22 16:08	0.00	75.68	508.4	1668.6	1826.0	6.00	0.00	1001169	110128.6
9/15/22 16:09	0.00	75.41	507.9	1671.1	1825.7	6.00	0.00	1002631	110289.4
9/15/22 16:10	0.00	75.27	508.6	1670.3	1825.8	6.00	0.00	1002174	110239.1
9/15/22 16:11	0.00	75.48	508.3	1667.3	1825.1	6.00	0.00	1000393	110043.2
9/15/22 16:12	0.00	75.44	508.4	1669.1	1825.5	6.00	0.00	1001489	110163.8
9/15/22 16:13	0.00	75.36	508.5	1669.8	1825.4	6.00	0.00	1001854	110203.9
9/15/22 16:14	0.00	75.62	508.1	1666.7	1823.9	6.00	0.00	1000028	110003.1
9/15/22 16:15	0.00	75.80	508.5	1669.1	1825.7	6.00	0.00	1001489	110163.8
9/15/22 16:16	0.00	75.62	508.4	1669.8	1825.4	6.00	0.00	1001854	110203.9
9/15/22 16:17	0.00	75.56	508.2	1668.5	1824.9	6.00	0.00	1001123	110123.5
9/15/22 16:18	0.00	75.33	507.9	1668.0	1824.5	6.00	0.00	1000804	110088.4
9/15/22 16:19	0.00	75.45	508.1	1668.3	1824.8	6.00	0.00	1000987	110108.6
9/15/22 16:20	0.00	75.40	507.9	1669.7	1824.7	6.00	0.00	1001809	110199.0
9/15/22 16:21	0.00	75.42	507.7	1666.8	1823.3	6.00	0.00	1000073	110008.0
9/15/22 16:22	0.00	75.41	508.3	1668.5	1825.8	6.00	0.00	1001123	110123.5
9/15/22 16:23	0.00	75.77	508.3	1670.4	1826.0	6.00	0.00	1002220	110244.2
9/15/22 16:24	0.00	75.42	508.3	1668.8	1825.6	6.00	0.00	1001261	110138.7
9/15/22 16:25	0.00	75.34	507.9	1667.4	1825.1	6.00	0.00	1000439	110048.3
9/15/22 16:26	0.00	75.65	508.2	1669.1	1825.9	6.00	0.00	1001443	110158.7
9/15/22 16:27	0.00	75.57	508.4	1668.5	1825.1	6.00	0.00	1001078	110118.6
9/15/22 16:28	0.00	75.56	507.9	1668.2	1824.1	6.00	0.00	1000941	110103.5
9/15/22 16:29	0.00	75.46	508.0	1667.9	1824.2	6.00	0.00	1000712	110078.3
9/15/22 16:30	0.00	75.31	508.1	1669.8	1824.1	6.00	0.00	1001854	110203.9
9/15/22 16:31	0.00	75.36	507.5	1667.9	1823.2	6.00	0.00	1000712	110078.3
9/15/22 16:32	0.00	75.23	507.4	1667.9	1823.6	6.00	0.00	1000759	110083.5
9/15/22 16:33	0.00	75.86	507.8	1669.8	1824.8	6.00	0.00	1001854	110203.9
9/15/22 16:34	0.00	75.58	507.9	1669.1	1824.7	6.00	0.00	1001489	110163.8
9/15/22 16:35	0.00	75.45	507.7	1666.7	1823.8	6.00	0.00	1000028	110003.1
9/15/22 16:36	0.00	75.61	507.8	1666.8	1823.8	6.00	0.00	1000073	110008.0
9/15/22 16:37	0.00	75.47	507.8	1669.8	1823.7	6.00	0.00	1001900	110209.0
9/15/22 16:38	0.00	75.46	507.7	1667.9	1824.1	6.00	0.00	1000759	110083.5
9/15/22 16:39	0.00	75.40	507.7	1667.9	1824.4	6.00	0.00	1000759	110083.5
9/15/22 16:40	0.00	75.63	508.3	1669.8	1825.5	6.00	0.00	1001854	110203.9
9/15/22 16:41	0.00	75.67	507.7	1668.5	1824.7	6.00	0.00	1001123	110123.5
9/15/22 16:42	0.00	75.59	507.8	1667.4	1824.6	6.00	0.00	1000439	110048.3
9/15/22 16:43	0.00	75.44	507.8	1667.9	1823.9	6.00	0.00	1000758	110083.4
9/15/22 16:44	0.00	75.39	507.9	1669.8	1824.1	6.00	0.00	1001854	110203.9
9/15/22 16:45	0.00	75.90	507.8	1668.5	1823.6	6.00	0.00	1001123	110123.5
9/15/22 16:46	0.00	75.42	507.7	1668.5	1823.7	6.00	0.00	1001078	110118.6
9/15/22 16:47	0.00	75.49	507.3	1670.2	1823.6	6.00	0.00	1002128	110234.1
9/15/22 16:48	0.00	75.79	507.1	1667.9	1822.8	6.00	0.00	1000712	110078.3
9/15/22 16:49	0.00	75.47	506.7	1666.1	1822.1	6.00	0.00	999662	109962.9
9/15/22 16:50	0.00	75.38	506.7	1669.5	1821.7	6.00	0.00	1001672	110183.9
9/15/22 16:51	0.00	75.53	506.5	1667.4	1821.0	6.00	0.00	1000439	110048.3
9/15/22 16:52	0.00	75.56	506.1	1666.7	1820.4	6.00	0.00	1000028	110003.1
9/15/22 16:53	0.00	75.54	505.9	1667.4	1820.6	6.00	0.00	1000439	110048.3
9/15/22 16:54	0.00	75.66	505.5	1668.2	1820.2	6.00	0.00	1000895	110098.5

9/15/22 16:55	0.00	75.47	505.5	1667.4	1820.1	6.00	0.00	1000439	110048.3
9/15/22 16:56	0.00	75.29	505.5	1666.3	1820.1	6.00	0.00	999799	109977.9
9/15/22 16:57	0.00	75.70	505.3	1669.2	1819.3	6.00	0.00	1001535	110168.9
9/15/22 16:58	0.00	75.28	505.1	1667.9	1818.3	6.00	0.00	1000713	110078.4
9/15/22 16:59	0.00	75.56	504.9	1667.6	1818.0	6.00	0.00	1000530	110058.3
9/15/22 17:00	0.00	75.63	504.8	1668.5	1817.9	6.00	0.00	1001123	110123.5
9/15/22 17:01	0.00	75.51	504.8	1666.7	1817.6	6.00	0.00	1000028	110003.1
9/15/22 17:02	0.00	75.44	504.5	1666.2	1817.4	6.00	0.00	999708	109967.9
9/15/22 17:03	0.00	75.50	504.5	1668.0	1817.9	6.00	0.00	1000804	110088.4
9/15/22 17:04	0.00	75.49	504.5	1668.6	1817.6	6.00	0.00	1001169	110128.6
9/15/22 17:05	0.00	75.86	504.4	1668.0	1817.7	6.00	0.00	1000804	110088.4
9/15/22 17:06	0.00	75.23	504.7	1667.3	1817.9	6.00	0.00	1000393	110043.2
9/15/22 17:07	0.00	75.71	505.0	1669.2	1817.9	6.00	0.00	1001535	110168.9
9/15/22 17:08	0.00	75.21	505.1	1667.3	1817.9	6.00	0.00	1000393	110043.2
9/15/22 17:09	0.00	75.41	505.3	1667.9	1818.6	6.00	0.00	1000712	110078.3
9/15/22 17:10	0.00	75.46	505.4	1669.5	1819.9	6.00	0.00	1001717	110188.9
9/15/22 17:11	0.00	75.69	504.9	1667.4	1819.3	6.00	0.00	1000439	110048.3
9/15/22 17:12	0.00	75.57	504.9	1666.2	1819.3	6.00	0.00	999708	109967.9
9/15/22 17:13	0.00	75.62	504.5	1666.9	1818.9	6.00	0.00	1000119	110013.1
9/15/22 17:14	0.00	75.40	505.3	1668.6	1819.3	6.00	0.00	1001169	110128.6
9/15/22 17:15	0.00	75.41	505.1	1666.3	1818.7	6.00	0.00	999799	109977.9
9/15/22 17:16	0.00	75.57	505.1	1670.3	1819.1	6.00	0.00	1002174	110239.1
9/15/22 17:17	0.00	75.31	504.9	1669.5	1818.2	6.00	0.00	1001672	110183.9
9/15/22 17:18	0.00	75.50	504.9	1669.0	1818.2	6.00	0.00	1001398	110153.8
9/15/22 17:19	0.00	75.52	505.1	1666.8	1818.9	6.00	0.00	1000073	110008.0
9/15/22 17:20	0.00	75.70	504.9	1669.2	1819.1	6.00	0.00	1001534	110168.7
9/15/22 17:21	0.00	75.53	505.1	1668.4	1818.6	6.00	0.00	1001032	110113.5
9/15/22 17:22	0.00	75.40	505.1	1667.9	1818.0	6.00	0.00	1000759	110083.5
9/15/22 17:23	0.00	75.65	505.2	1669.8	1818.4	6.00	0.00	1001854	110203.9
9/15/22 17:24	0.00	75.36	504.8	1667.2	1817.9	6.00	0.00	1000347	110038.2
9/15/22 17:25	0.00	75.35	504.9	1667.5	1818.9	6.00	0.00	1000484	110053.2
9/15/22 17:26	0.00	75.34	505.5	1670.4	1820.2	6.00	0.00	1002220	110244.2
9/15/22 17:27	0.00	75.48	504.8	1671.1	1818.9	6.00	0.00	1002631	110289.4
9/15/22 17:28	0.00	75.52	505.3	1668.6	1819.2	6.00	0.00	1001170	110128.7
9/15/22 17:29	0.00	75.68	504.7	1668.5	1818.9	6.00	0.00	1001123	110123.5
9/15/22 17:30	0.00	75.46	505.1	1669.1	1819.1	6.00	0.00	1001443	110158.7
9/15/22 17:31	0.00	75.40	505.3	1666.1	1818.7	6.00	0.00	999662	109962.9
9/15/22 17:32	0.00	75.64	505.1	1668.5	1818.3	6.00	0.00	1001123	110123.5
9/15/22 17:33	0.00	75.56	505.1	1669.2	1818.6	6.00	0.00	1001535	110168.9
9/15/22 17:34	0.00	75.48	505.1	1668.8	1818.2	6.00	0.00	1001306	110143.7
9/15/22 17:35	0.00	75.58	504.7	1668.6	1818.3	6.00	0.00	1001170	110128.7
9/15/22 17:36	0.00	75.45	504.9	1669.1	1818.4	6.00	0.00	1001443	110158.7
9/15/22 17:37	0.00	75.47	504.7	1669.4	1817.4	6.00	0.00	1001626	110178.9
9/15/22 17:38	0.00	75.51	504.7	1666.7	1817.1	6.00	0.00	1000028	110003.1
9/15/22 17:39	0.00	75.55	504.5	1668.5	1817.6	6.00	0.00	1001123	110123.5
9/15/22 17:40	0.00	75.69	504.3	1669.3	1817.4	6.00	0.00	1001580	110173.8
9/15/22 17:41	0.00	75.50	504.5	1668.7	1817.6	6.00	0.00	1001215	110133.7
9/15/22 17:42	0.00	75.07	504.4	1668.5	1818.2	6.00	0.00	1001078	110118.6
9/15/22 17:43	0.00	75.42	504.0	1670.7	1817.1	6.00	0.00	1002402	110264.2
9/15/22 17:44	0.00	75.51	503.7	1669.1	1816.1	6.00	0.00	1001489	110163.8
9/15/22 17:45	0.00	75.56	503.6	1667.8	1816.2	6.00	0.00	1000667	110073.4
9/15/22 17:46	0.00	75.44	503.7	1670.0	1815.8	6.00	0.00	1001991	110219.0
9/15/22 17:47	0.00	75.66	503.2	1669.2	1814.5	6.00	0.00	1001534	110168.7
9/15/22 17:48	0.00	75.21	503.3	1668.5	1814.6	6.00	0.00	1001123	110123.5
9/15/22 17:49	0.00	75.74	503.3	1669.8	1815.2	6.00	0.00	1001854	110203.9
9/15/22 17:50	0.00	75.81	503.1	1668.0	1814.5	6.00	0.00	1000804	110088.4
9/15/22 17:51	0.00	75.65	503.2	1668.0	1815.2	6.00	0.00	1000804	110088.4
9/15/22 17:52	0.00	75.62	503.1	1669.9	1814.8	6.00	0.00	1001945	110214.0
9/15/22 17:53	0.00	75.77	503.1	1668.6	1813.9	6.00	0.00	1001170	110128.7
9/15/22 17:54	0.00	75.44	502.9	1668.0	1813.9	6.00	0.00	1000804	110088.4
9/15/22 17:55	0.00	75.45	503.0	1669.2	1814.3	6.00	0.00	1001535	110168.9
9/15/22 17:56	0.00	75.66	502.9	1669.8	1814.5	6.00	0.00	1001900	110209.0
Run 5 End - NG	**0.00**	**75.50**	**507.39**	**1669.10**	**1823.42**	**6.00**	**0.00**	**1001458**	**110160.4**
Run 6 Start - NG									
9/16/22 08:00	0.00	74.64	487.6	1652.3	1781.6	6.00	0.00	991351	109048.6
9/16/22 08:01	0.00	74.70	487.4	1651.8	1780.7	6.00	0.00	991077	109018.5
9/16/22 08:02	0.00	74.54	487.5	1652.3	1781.5	6.00	0.00	991397	109053.6
9/16/22 08:03	0.00	74.67	487.7	1653.8	1781.6	6.00	0.00	992264	109149.1
9/16/22 08:04	0.00	74.59	487.4	1651.2	1781.2	6.00	0.00	990712	108978.3
9/16/22 08:05	0.00	74.61	487.4	1654.2	1781.5	6.00	0.00	992493	109174.2
9/16/22 08:06	0.00	74.72	487.5	1652.3	1780.8	6.00	0.00	991397	109053.6

9/16/22 08:07	0.00	74.58	487.9	1651.3	1781.4	6.00	0.00	990758	108983.4
9/16/22 08:08	0.00	74.67	488.0	1654.8	1781.9	6.00	0.00	992858	109214.4
9/16/22 08:09	0.00	74.73	487.9	1651.3	1782.0	6.00	0.00	990758	108983.4
9/16/22 08:10	0.00	74.50	488.6	1651.9	1784.0	6.00	0.00	991123	109023.6
9/16/22 08:11	0.00	74.77	488.7	1652.3	1783.8	6.00	0.00	991351	109048.6
9/16/22 08:12	0.00	74.65	488.5	1651.6	1783.6	6.00	0.00	990986	109008.4
9/16/22 08:13	0.00	74.54	488.7	1652.4	1783.5	6.00	0.00	991442	109058.7
9/16/22 08:14	0.00	74.57	488.9	1652.9	1783.6	6.00	0.00	991762	109093.8
9/16/22 08:15	0.00	74.71	489.1	1651.9	1784.2	6.00	0.00	991168	109028.5
9/16/22 08:16	0.00	74.75	488.9	1654.2	1783.9	6.00	0.00	992493	109174.2
9/16/22 08:17	0.00	74.78	488.7	1651.3	1783.7	6.00	0.00	990758	108983.4
9/16/22 08:18	0.00	74.57	489.3	1652.4	1785.0	6.00	0.00	991442	109058.7
9/16/22 08:19	0.00	74.72	489.1	1653.7	1784.5	6.00	0.00	992219	109144.1
9/16/22 08:20	0.00	74.78	489.5	1651.2	1785.0	6.00	0.00	990712	108978.3
9/16/22 08:21	0.00	75.01	489.5	1654.0	1784.8	6.00	0.00	992401	109164.1
9/16/22 08:22	0.00	74.74	489.3	1651.8	1784.3	6.00	0.00	991077	109018.5
9/16/22 08:23	0.00	74.43	489.8	1654.3	1786.1	6.00	0.00	992584	109184.3
9/16/22 08:24	0.00	74.84	489.7	1654.3	1785.4	6.00	0.00	992584	109184.3
9/16/22 08:25	0.00	74.82	489.9	1651.3	1785.5	6.00	0.00	990803	108988.4
9/16/22 08:26	0.00	74.59	490.3	1653.6	1786.9	6.00	0.00	992173	109139.1
9/16/22 08:27	0.00	74.46	490.1	1653.4	1786.4	6.00	0.00	992036	109124.0
9/16/22 08:28	0.00	74.64	490.3	1652.4	1786.6	6.00	0.00	991442	109058.7
9/16/22 08:29	0.00	74.63	490.9	1655.4	1787.6	6.00	0.00	993223	109254.6
9/16/22 08:30	0.00	74.52	490.8	1652.4	1787.4	6.00	0.00	991442	109058.7
9/16/22 08:31	0.00	74.99	491.4	1653.1	1789.4	6.00	0.00	991853	109103.9
9/16/22 08:32	0.00	74.83	491.6	1654.3	1789.2	6.00	0.00	992584	109184.3
9/16/22 08:33	0.00	74.66	491.2	1651.0	1788.8	6.00	0.00	990575	108963.2
9/16/22 08:34	0.00	74.82	491.4	1653.0	1789.1	6.00	0.00	991808	109098.9
9/16/22 08:35	0.00	74.72	491.4	1652.4	1788.6	6.00	0.00	991442	109058.7
9/16/22 08:36	0.00	74.63	491.8	1651.3	1789.4	6.00	0.00	990758	108983.4
9/16/22 08:37	0.00	74.52	492.0	1653.8	1789.8	6.00	0.00	992264	109149.1
9/16/22 08:38	0.00	74.71	491.8	1653.1	1788.9	6.00	0.00	991853	109103.9
9/16/22 08:39	0.00	74.87	491.6	1653.5	1789.4	6.00	0.00	992128	109134.0
9/16/22 08:40	0.00	74.78	492.2	1655.0	1790.1	6.00	0.00	992995	109229.5
9/16/22 08:41	0.00	74.43	492.0	1652.4	1790.7	6.00	0.00	991442	109058.7
9/16/22 08:42	0.00	74.64	492.8	1656.1	1791.7	6.00	0.00	993634	109299.8
9/16/22 08:43	0.00	74.75	492.6	1654.2	1790.7	6.00	0.00	992493	109174.2
9/16/22 08:44	0.00	74.81	492.8	1652.8	1791.5	6.00	0.00	991671	109083.8
9/16/22 08:45	0.00	74.64	492.8	1654.7	1791.9	6.00	0.00	992813	109209.4
9/16/22 08:46	0.00	74.64	492.8	1653.4	1791.3	6.00	0.00	992036	109124.0
9/16/22 08:47	0.00	74.98	493.2	1654.3	1792.8	6.00	0.00	992584	109184.3
9/16/22 08:48	0.00	74.78	493.7	1656.7	1793.7	6.00	0.00	994046	109345.0
9/16/22 08:49	0.00	74.67	493.2	1651.3	1792.5	6.00	0.00	990758	108983.4
9/16/22 08:50	0.00	74.87	493.8	1652.9	1793.4	6.00	0.00	991717	109088.8
9/16/22 08:51	0.00	74.93	493.6	1654.2	1793.0	6.00	0.00	992493	109174.2
9/16/22 08:52	0.00	74.61	493.8	1651.3	1793.4	6.00	0.00	990758	108983.4
9/16/22 08:53	0.00	74.62	494.1	1655.2	1795.2	6.00	0.00	993132	109244.5
9/16/22 08:54	0.00	74.54	494.0	1654.9	1794.4	6.00	0.00	992950	109224.5
9/16/22 08:55	0.00	74.67	494.0	1654.4	1795.0	6.00	0.00	992630	109189.3
9/16/22 08:56	0.00	74.87	493.8	1655.5	1794.4	6.00	0.00	993315	109264.7
9/16/22 08:57	0.00	74.51	494.4	1653.1	1794.8	6.00	0.00	991853	109103.9
9/16/22 08:58	0.00	74.76	494.6	1653.5	1795.7	6.00	0.00	992128	109134.0
9/16/22 08:59	0.00	74.58	494.9	1655.0	1795.4	6.00	0.00	992995	109229.5
9/16/22 09:00	0.00	74.64	494.9	1651.7	1795.4	6.00	0.00	991031	109013.5
9/16/22 09:01	0.00	74.57	494.2	1654.2	1794.6	6.00	0.00	992539	109179.2
9/16/22 09:02	0.00	75.11	494.5	1654.2	1794.8	6.00	0.00	992493	109174.2
9/16/22 09:03	0.00	74.83	494.5	1653.6	1795.7	6.00	0.00	992173	109139.1
9/16/22 09:04	0.00	74.62	494.5	1655.4	1795.6	6.00	0.00	993224	109254.6
9/16/22 09:05	0.00	74.65	494.5	1652.5	1795.4	6.00	0.00	991488	109063.7
9/16/22 09:06	0.00	74.34	494.9	1653.4	1796.1	6.00	0.00	992036	109124.0
9/16/22 09:07	0.00	74.55	495.1	1655.2	1796.9	6.00	0.00	993132	109244.5
9/16/22 09:08	0.00	74.58	494.9	1651.3	1795.7	6.00	0.00	990803	108988.4
9/16/22 09:09	0.00	74.47	495.3	1654.8	1797.2	6.00	0.00	992858	109214.4
9/16/22 09:10	0.00	74.84	495.3	1654.0	1797.5	6.00	0.00	992401	109164.1
9/16/22 09:11	0.00	74.61	495.7	1651.1	1798.3	6.00	0.00	990666	108973.3
9/16/22 09:12	0.00	74.69	495.9	1655.0	1798.9	6.00	0.00	992995	109229.5
9/16/22 09:13	0.00	74.96	496.1	1654.1	1797.9	6.00	0.00	992447	109169.1
9/16/22 09:14	0.00	74.72	496.3	1653.0	1798.7	6.00	0.00	991808	109098.9
9/16/22 09:15	0.00	74.75	496.1	1654.9	1798.2	6.00	0.00	992950	109224.5
9/16/22 09:16	0.00	74.78	495.9	1653.5	1797.4	6.00	0.00	992128	109134.0
9/16/22 09:17	0.00	74.63	496.1	1652.9	1798.0	6.00	0.00	991762	109093.8
9/16/22 09:18	0.00	74.69	496.1	1656.0	1798.2	6.00	0.00	993589	109294.7

9/16/22 09:19	0.00	74.93	496.0	1653.1	1798.4	6.00	0.00	991853	109103.9
9/16/22 09:20	0.00	74.83	496.2	1653.1	1798.6	6.00	0.00	991853	109103.9
9/16/22 09:21	0.00	74.51	496.1	1654.8	1798.6	6.00	0.00	992904	109219.4
9/16/22 09:22	0.00	74.63	496.5	1653.7	1799.4	6.00	0.00	992219	109144.1
9/16/22 09:23	0.00	74.55	497.2	1654.2	1800.4	6.00	0.00	992539	109179.2
9/16/22 09:24	0.00	74.75	497.0	1654.8	1800.1	6.00	0.00	992904	109219.4
9/16/22 09:25	0.00	74.51	496.7	1654.2	1800.0	6.00	0.00	992539	109179.2
9/16/22 09:26	0.00	74.83	496.5	1654.4	1800.4	6.00	0.00	992630	109189.3
9/16/22 09:27	0.00	74.55	496.7	1653.7	1799.8	6.00	0.00	992219	109144.1
9/16/22 09:28	0.00	74.61	496.9	1653.5	1800.4	6.00	0.00	992082	109129.0
9/16/22 09:29	0.00	74.74	496.7	1655.5	1800.4	6.00	0.00	993315	109264.7
9/16/22 09:30	0.00	74.81	496.9	1653.5	1799.8	6.00	0.00	992082	109129.0
9/16/22 09:31	0.00	74.52	497.1	1654.2	1800.3	6.00	0.00	992493	109174.2
9/16/22 09:32	0.00	74.71	497.1	1654.8	1800.9	6.00	0.00	992858	109214.4
9/16/22 09:33	0.00	74.39	497.3	1653.5	1801.6	6.00	0.00	992082	109129.0
9/16/22 09:34	0.00	74.75	497.3	1652.6	1801.6	6.00	0.00	991534	109068.8
9/16/22 09:35	0.00	74.38	497.1	1653.1	1801.5	6.00	0.00	991853	109103.9
9/16/22 09:36	0.00	74.49	497.1	1652.4	1800.9	6.00	0.00	991442	109058.7
9/16/22 09:37	0.00	74.59	497.1	1651.3	1801.0	6.00	0.00	990803	108988.4
9/16/22 09:38	0.00	74.99	497.5	1655.3	1800.7	6.00	0.00	993178	109249.6
9/16/22 09:39	0.00	74.60	497.5	1654.5	1801.0	6.00	0.00	992721	109199.3
9/16/22 09:40	0.00	74.84	498.3	1653.1	1803.3	6.00	0.00	991853	109103.9
9/16/22 09:41	0.00	74.65	497.9	1654.2	1802.6	6.00	0.00	992539	109179.2
9/16/22 09:42	0.00	74.77	498.5	1652.6	1804.4	6.00	0.00	991534	109068.8
9/16/22 09:43	0.00	74.66	498.5	1652.9	1803.8	6.00	0.00	991717	109088.8
9/16/22 09:44	0.00	74.72	498.5	1654.9	1803.5	6.00	0.00	992950	109224.5
9/16/22 09:45	0.00	74.53	498.7	1652.3	1804.2	6.00	0.00	991397	109053.6
9/16/22 09:46	0.00	74.70	498.7	1653.7	1804.2	6.00	0.00	992219	109144.1
9/16/22 09:47	0.00	74.75	498.5	1655.4	1802.5	6.00	0.00	993269	109259.6
9/16/22 09:48	0.00	74.70	497.9	1650.6	1801.9	6.00	0.00	990347	108938.1
9/16/22 09:49	0.00	74.81	498.9	1654.9	1804.3	6.00	0.00	992950	109224.5
9/16/22 09:50	0.00	74.76	499.1	1653.8	1804.8	6.00	0.00	992264	109149.1
9/16/22 09:51	0.00	74.83	499.1	1651.9	1805.3	6.00	0.00	991169	109028.6
9/16/22 09:52	0.00	74.57	499.1	1655.4	1805.2	6.00	0.00	993224	109254.6
9/16/22 09:53	0.00	74.89	499.1	1653.8	1804.9	6.00	0.00	992264	109149.1
9/16/22 09:54	0.00	74.54	499.1	1650.1	1804.5	6.00	0.00	990073	108908.0
9/16/22 09:55	0.00	74.62	499.5	1653.7	1805.4	6.00	0.00	992219	109144.1
9/16/22 09:56	0.00	74.59	498.5	1652.4	1803.4	6.00	0.00	991442	109058.7
9/16/22 09:57	0.00	74.75	499.4	1653.5	1805.3	6.00	0.00	992128	109134.0
9/16/22 09:58	0.00	74.89	499.0	1654.9	1805.3	6.00	0.00	992950	109224.5
9/16/22 09:59	0.00	74.52	499.6	1654.8	1806.7	6.00	0.00	992904	109219.4
9/16/22 10:00	0.00	74.75	499.5	1651.7	1806.3	6.00	0.00	991031	109013.5
9/16/22 10:01	0.00	74.69	499.6	1654.2	1807.0	6.00	0.00	992539	109179.2
9/16/22 10:02	0.00	74.68	500.2	1652.1	1807.2	6.00	0.00	991260	109038.6
9/16/22 10:03	0.00	74.57	500.4	1650.7	1806.6	6.00	0.00	990392	108943.2
9/16/22 10:04	0.00	74.83	499.8	1653.9	1805.6	6.00	0.00	992310	109154.1
9/16/22 10:05	0.00	74.85	499.6	1652.5	1805.4	6.00	0.00	991488	109063.7
9/16/22 10:06	0.00	74.46	499.4	1651.2	1805.7	6.00	0.00	990712	108978.3
9/16/22 10:07	0.00	74.64	499.6	1653.5	1806.6	6.00	0.00	992082	109129.0
9/16/22 10:08	0.00	74.76	499.4	1651.6	1805.0	6.00	0.00	990986	109008.4
9/16/22 10:09	0.00	74.75	499.4	1651.0	1805.9	6.00	0.00	990575	108963.2
9/16/22 10:10	0.00	74.36	499.8	1653.6	1805.4	6.00	0.00	992173	109139.1
9/16/22 10:11	0.00	74.78	499.5	1652.7	1805.4	6.00	0.00	991625	109078.7
9/16/22 10:12	0.00	74.43	499.4	1650.7	1804.9	6.00	0.00	990392	108943.2
9/16/22 10:13	0.00	74.76	500.1	1653.8	1808.0	6.00	0.00	992264	109149.1
9/16/22 10:14	0.00	74.83	499.4	1653.9	1807.0	6.00	0.00	992310	109154.1
9/16/22 10:15	0.00	74.65	500.1	1651.3	1807.2	6.00	0.00	990758	108983.4
9/16/22 10:16	0.00	74.55	499.5	1652.9	1806.7	6.00	0.00	991762	109093.8
9/16/22 10:17	0.00	74.81	500.0	1654.4	1806.7	6.00	0.00	992630	109189.3
9/16/22 10:18	0.00	74.81	499.5	1651.9	1805.8	6.00	0.00	991123	109023.6
9/16/22 10:19	0.00	74.78	499.8	1653.9	1806.7	6.00	0.00	992310	109154.1
9/16/22 10:20	0.00	74.66	499.9	1654.3	1806.6	6.00	0.00	992584	109184.3
9/16/22 10:21	0.00	74.48	500.0	1650.7	1806.6	6.00	0.00	990438	108948.2
9/16/22 10:22	0.00	74.83	500.6	1653.7	1808.6	6.00	0.00	992219	109144.1
9/16/22 10:23	0.00	74.59	501.0	1653.7	1808.9	6.00	0.00	992219	109144.1
9/16/22 10:24	0.00	74.59	500.4	1650.2	1807.8	6.00	0.00	990118	108913.0
9/16/22 10:25	0.00	74.64	500.4	1651.9	1808.4	6.00	0.00	991168	109028.5
9/16/22 10:26	0.00	74.54	500.8	1654.3	1808.8	6.00	0.00	992584	109184.3
9/16/22 10:27	0.00	74.59	501.0	1650.2	1809.1	6.00	0.00	990118	108913.0
9/16/22 10:28	0.00	74.79	501.4	1653.2	1809.8	6.00	0.00	991899	109108.9
9/16/22 10:29	0.00	74.83	501.4	1653.7	1810.1	6.00	0.00	992219	109144.1
9/16/22 10:30	0.00	74.63	501.0	1649.4	1809.4	6.00	0.00	989662	108862.8

9/16/22 10:31	0.00	74.44	501.0	1651.4	1809.1	6.00	0.00	990849	108993.4
9/16/22 10:32	0.00	74.64	500.8	1651.9	1808.8	6.00	0.00	991123	109023.5
9/16/22 10:33	0.00	74.56	501.0	1651.9	1808.8	6.00	0.00	991169	109028.6
9/16/22 10:34	0.00	74.64	501.2	1653.2	1810.2	6.00	0.00	991899	109108.9
9/16/22 10:35	0.00	74.75	501.0	1652.6	1808.8	6.00	0.00	991534	109068.8
9/16/22 10:36	0.00	74.60	501.2	1652.5	1809.3	6.00	0.00	991488	109063.7
9/16/22 10:37	0.00	74.57	502.4	1651.9	1811.3	6.00	0.00	991123	109023.5
9/16/22 10:38	0.00	74.74	502.0	1652.6	1810.8	6.00	0.00	991579	109073.7
9/16/22 10:39	0.00	74.41	501.6	1651.9	1809.7	6.00	0.00	991169	109028.6
9/16/22 10:40	0.00	74.78	501.8	1651.9	1810.8	6.00	0.00	991169	109028.6
9/16/22 10:41	0.00	74.52	502.4	1653.7	1812.0	6.00	0.00	992219	109144.1
9/16/22 10:42	0.00	74.23	501.4	1651.9	1809.9	6.00	0.00	991169	109028.6
9/16/22 10:43	0.00	74.63	501.0	1651.3	1809.2	6.00	0.00	990758	108983.4
9/16/22 10:44	0.00	74.64	501.5	1652.5	1809.2	6.00	0.00	991488	109063.7
9/16/22 10:45	0.00	74.83	501.0	1651.3	1808.8	6.00	0.00	990758	108983.4
9/16/22 10:46	0.00	74.82	501.4	1650.1	1810.1	6.00	0.00	990073	108908.0
9/16/22 10:47	0.00	74.83	501.9	1652.6	1811.1	6.00	0.00	991579	109073.7
9/16/22 10:48	0.00	74.55	502.4	1653.7	1812.0	6.00	0.00	992219	109144.1
9/16/22 10:49	0.00	74.62	502.8	1650.0	1812.6	6.00	0.00	989981	108898.0
9/16/22 10:50	0.00	74.81	502.6	1653.8	1812.7	6.00	0.00	992264	109149.1
9/16/22 10:51	0.00	74.84	502.7	1652.6	1812.1	6.00	0.00	991534	109068.8
9/16/22 10:52	0.00	74.56	502.8	1651.5	1812.3	6.00	0.00	990895	108998.4
9/16/22 10:53	0.00	74.73	502.2	1650.2	1811.0	6.00	0.00	990118	108913.0
9/16/22 10:54	0.00	74.41	501.8	1652.0	1810.8	6.00	0.00	991214	109033.6
9/16/22 10:55	0.00	75.13	503.2	1652.6	1813.3	6.00	0.00	991580	109073.8
9/16/22 10:56	0.00	74.55	503.2	1651.4	1813.9	6.00	0.00	990849	108993.4
9/16/22 10:57	0.00	74.74	503.3	1652.6	1813.9	6.00	0.00	991534	109068.7
9/16/22 10:58	0.00	74.66	502.8	1651.6	1812.7	6.00	0.00	990986	109008.4
9/16/22 10:59	0.00	74.63	502.6	1648.9	1812.3	6.00	0.00	989342	108827.6
9/16/22 11:00	0.00	74.77	503.3	1650.8	1813.9	6.00	0.00	990484	108953.2
9/16/22 11:01	0.00	74.70	503.7	1652.0	1814.2	6.00	0.00	991214	109033.6
9/16/22 11:02	0.00	74.76	503.7	1650.7	1814.9	6.00	0.00	990438	108948.2
9/16/22 11:03	0.00	74.92	504.0	1653.1	1815.7	6.00	0.00	991853	109103.9
9/16/22 11:04	0.00	74.72	503.9	1652.5	1815.5	6.00	0.00	991488	109063.7
9/16/22 11:05	0.00	74.86	504.3	1653.0	1816.1	6.00	0.00	991808	109098.9
9/16/22 11:06	0.00	74.96	504.1	1651.3	1815.5	6.00	0.00	990803	108988.4
9/16/22 11:07	0.00	74.61	504.8	1651.9	1817.0	6.00	0.00	991168	109028.5
9/16/22 11:08	0.00	74.55	503.9	1650.1	1815.5	6.00	0.00	990073	108908.0
9/16/22 11:09	0.00	74.53	504.3	1651.9	1815.8	6.00	0.00	991169	109028.6
9/16/22 11:10	0.00	74.80	503.9	1652.6	1815.5	6.00	0.00	991534	109068.7
9/16/22 11:11	0.00	74.64	503.3	1648.2	1814.3	6.00	0.00	988931	108782.4
9/16/22 11:12	0.00	74.68	502.8	1650.2	1813.2	6.00	0.00	990118	108913.0
9/16/22 11:13	0.00	74.86	503.0	1651.3	1812.9	6.00	0.00	990757	108983.3
9/16/22 11:14	0.00	74.64	503.2	1648.9	1813.6	6.00	0.00	989342	108827.6
9/16/22 11:15	0.00	74.48	503.5	1649.5	1814.5	6.00	0.00	989707	108867.8
9/16/22 11:16	0.00	74.41	503.5	1651.9	1813.8	6.00	0.00	991168	109028.5
9/16/22 11:17	0.00	74.94	502.8	1649.1	1812.4	6.00	0.00	989433	108837.6
9/16/22 11:18	0.00	74.80	502.8	1648.4	1813.2	6.00	0.00	989023	108792.5
9/16/22 11:19	0.00	74.53	502.6	1650.8	1813.3	6.00	0.00	990484	108953.2
9/16/22 11:20	0.00	74.55	503.2	1650.2	1813.9	6.00	0.00	990118	108913.0
9/16/22 11:21	0.00	74.62	502.8	1648.8	1813.5	6.00	0.00	989251	108817.6
9/16/22 11:22	0.00	74.62	503.2	1651.9	1814.1	6.00	0.00	991168	109028.5
9/16/22 11:23	0.00	74.59	502.4	1649.0	1811.3	6.00	0.00	989387	108832.6
9/16/22 11:24	0.00	74.74	503.1	1649.6	1813.5	6.00	0.00	989753	108872.8
9/16/22 11:25	0.00	74.41	503.1	1649.6	1813.2	6.00	0.00	989753	108872.8
9/16/22 11:26	0.00	74.55	503.0	1650.2	1812.4	6.00	0.00	990118	108913.0
9/16/22 11:27	0.00	74.53	503.1	1650.2	1813.6	6.00	0.00	990118	108913.0
9/16/22 11:28	0.00	74.59	502.8	1650.1	1814.1	6.00	0.00	990073	108908.0
9/16/22 11:29	0.00	74.77	503.0	1649.8	1813.6	6.00	0.00	989890	108887.9
9/16/22 11:30	0.00	74.71	503.5	1648.4	1814.5	6.00	0.00	989068	108797.4
9/16/22 11:31	0.00	74.60	504.1	1650.1	1815.4	6.00	0.00	990073	108908.0
9/16/22 11:32	0.00	74.68	503.9	1651.3	1815.1	6.00	0.00	990803	108988.4
9/16/22 11:33	0.00	74.63	503.3	1649.5	1813.4	6.00	0.00	989707	108867.8
9/16/22 11:34	0.00	74.53	503.5	1651.3	1814.8	6.00	0.00	990803	108988.4
9/16/22 11:35	0.00	74.94	503.5	1650.7	1814.9	6.00	0.00	990438	108948.2
9/16/22 11:36	0.00	74.53	503.9	1650.3	1815.7	6.00	0.00	990164	108918.0
9/16/22 11:37	0.00	74.61	504.2	1650.2	1817.2	6.00	0.00	990118	108913.0
9/16/22 11:38	0.00	74.78	504.5	1651.4	1817.3	6.00	0.00	990849	108993.4
9/16/22 11:39	0.00	74.90	504.8	1651.2	1817.2	6.00	0.00	990712	108978.3
9/16/22 11:40	0.00	74.70	503.9	1649.6	1814.9	6.00	0.00	989753	108872.8
9/16/22 11:41	0.00	74.77	504.7	1651.9	1816.6	6.00	0.00	991123	109023.5
9/16/22 11:42	0.00	74.74	504.1	1650.7	1815.2	6.00	0.00	990438	108948.2

9/16/22 11:43	0.00	74.92	503.9	1648.9	1814.5	6.00	0.00	989342	108827.6
9/16/22 11:44	0.00	74.51	503.7	1650.8	1815.5	6.00	0.00	990484	108953.2
9/16/22 11:45	0.00	74.73	504.3	1653.0	1817.1	6.00	0.00	991808	109098.9
9/16/22 11:46	0.00	74.65	504.5	1649.0	1817.0	6.00	0.00	989387	108832.6
9/16/22 11:47	0.00	75.07	504.9	1650.7	1817.8	6.00	0.00	990438	108948.2
9/16/22 11:48	0.00	74.75	504.3	1650.2	1816.7	6.00	0.00	990118	108913.0
9/16/22 11:49	0.00	74.73	504.3	1649.6	1816.4	6.00	0.00	989753	108872.8
9/16/22 11:50	0.00	74.60	503.9	1649.0	1816.0	6.00	0.00	989387	108832.6
9/16/22 11:51	0.00	74.77	504.3	1651.4	1817.2	6.00	0.00	990849	108993.4
9/16/22 11:52	0.00	74.60	504.5	1650.3	1817.3	6.00	0.00	990164	108918.0
9/16/22 11:53	0.00	74.61	504.9	1649.5	1818.3	6.00	0.00	989707	108867.8
9/16/22 11:54	0.00	74.73	505.1	1652.6	1819.1	6.00	0.00	991534	109068.8
9/16/22 11:55	0.00	74.49	504.1	1650.2	1816.0	6.00	0.00	990118	108913.0
9/16/22 11:56	0.00	74.48	504.3	1647.8	1816.7	6.00	0.00	988702	108757.2
9/16/22 11:57	0.00	74.61	505.3	1649.4	1818.3	6.00	0.00	989662	108862.8
9/16/22 11:58	0.00	74.73	505.4	1651.9	1817.6	6.00	0.00	991123	109023.5
9/16/22 11:59	0.00	74.34	504.4	1649.6	1816.5	6.00	0.00	989753	108872.8
9/16/22 12:00	0.00	74.56	504.6	1650.9	1816.9	6.00	0.00	990529	108958.2
9/16/22 12:01	0.00	74.40	504.2	1651.3	1816.6	6.00	0.00	990803	108988.4
9/16/22 12:02	0.00	74.69	504.7	1649.6	1817.6	6.00	0.00	989753	108872.8
9/16/22 12:03	0.00	74.61	504.7	1650.1	1817.1	6.00	0.00	990073	108908.0
9/16/22 12:04	0.00	74.30	504.9	1652.6	1817.6	6.00	0.00	991579	109073.7
9/16/22 12:05	0.00	74.43	505.3	1650.7	1818.0	6.00	0.00	990438	108948.2
9/16/22 12:06	0.00	74.74	505.5	1649.1	1818.5	6.00	0.00	989433	108837.6
9/16/22 12:07	0.00	74.93	506.4	1653.2	1820.3	6.00	0.00	991899	109108.9
9/16/22 12:08	0.00	74.90	506.5	1651.4	1820.5	6.00	0.00	990849	108993.4
9/16/22 12:09	0.00	74.53	505.9	1647.7	1819.7	6.00	0.00	988611	108747.2
9/16/22 12:10	0.00	74.59	506.3	1652.6	1820.3	6.00	0.00	991534	109068.8
9/16/22 12:11	0.00	74.64	505.1	1650.7	1817.3	6.00	0.00	990392	108943.1
9/16/22 12:12	0.00	74.69	504.3	1649.6	1815.8	6.00	0.00	989753	108872.8
9/16/22 12:13	0.00	74.64	504.7	1651.4	1816.4	6.00	0.00	990849	108993.4
9/16/22 12:14	0.00	74.82	506.5	1652.8	1820.8	6.00	0.00	991671	109083.8
9/16/22 12:15	0.00	74.55	506.5	1651.4	1820.7	6.00	0.00	990849	108993.4
9/16/22 12:16	0.00	74.71	505.9	1650.9	1819.2	6.00	0.00	990529	108958.2
9/16/22 12:17	0.00	74.54	505.7	1651.9	1819.5	6.00	0.00	991168	109028.5
9/16/22 12:18	0.00	74.66	505.3	1651.1	1817.9	6.00	0.00	990666	108973.3
9/16/22 12:19	0.00	74.46	504.9	1650.6	1817.6	6.00	0.00	990347	108938.1
9/16/22 12:20	0.00	74.81	504.9	1652.6	1817.3	6.00	0.00	991579	109073.7
9/16/22 12:21	0.00	74.55	505.5	1651.7	1817.9	6.00	0.00	991031	109013.5
9/16/22 12:22	0.00	74.39	507.1	1650.9	1821.7	6.00	0.00	990529	108958.2
9/16/22 12:23	0.00	74.62	507.1	1652.6	1822.1	6.00	0.00	991579	109073.7
9/16/22 12:24	0.00	74.53	506.9	1651.9	1821.8	6.00	0.00	991168	109028.5
Run 6 End - NG	**0.00**	**74.67**	**498.86**	**1652.27**	**1804.59**	**6.00**	**0.00**	**991359**	**109049.5**
Run 7 Start - NG									
9/16/22 12:30	0.00	74.83	507.1	1654.3	1822.0	6.00	0.00	992584	109184.3
9/16/22 12:31	0.00	74.54	507.5	1650.1	1821.7	6.00	0.00	990073	108908.0
9/16/22 12:32	0.00	74.56	507.9	1651.3	1822.8	6.00	0.00	990803	108988.4
9/16/22 12:33	0.00	74.95	508.1	1653.9	1823.9	6.00	0.00	992310	109154.1
9/16/22 12:34	0.00	74.72	507.9	1653.1	1823.3	6.00	0.00	991853	109103.9
9/16/22 12:35	0.00	74.55	507.3	1650.1	1822.0	6.00	0.00	990073	108908.0
9/16/22 12:36	0.00	74.67	506.3	1652.6	1820.2	6.00	0.00	991534	109068.7
9/16/22 12:37	0.00	74.63	506.5	1653.2	1820.4	6.00	0.00	991945	109113.9
9/16/22 12:38	0.00	74.56	507.3	1651.3	1821.5	6.00	0.00	990757	108983.3
9/16/22 12:39	0.00	74.74	506.9	1651.9	1822.4	6.00	0.00	991168	109028.5
9/16/22 12:40	0.00	74.67	507.3	1653.9	1822.6	6.00	0.00	992310	109154.1
9/16/22 12:41	0.00	74.48	506.9	1651.3	1821.5	6.00	0.00	990803	108988.4
9/16/22 12:42	0.00	74.61	507.4	1653.2	1822.7	6.00	0.00	991899	109108.9
9/16/22 12:43	0.00	74.66	507.5	1653.2	1822.9	6.00	0.00	991899	109108.9
9/16/22 12:44	0.00	74.69	507.2	1651.9	1822.0	6.00	0.00	991123	109023.6
9/16/22 12:45	0.00	74.70	507.4	1651.9	1822.5	6.00	0.00	991123	109023.5
9/16/22 12:46	0.00	74.76	507.4	1654.4	1822.0	6.00	0.00	992630	109189.3
9/16/22 12:47	0.00	74.46	506.9	1652.9	1821.1	6.00	0.00	991717	109088.8
9/16/22 12:48	0.00	74.63	506.7	1649.6	1821.3	6.00	0.00	989753	108872.8
9/16/22 12:49	0.00	74.83	507.6	1653.8	1823.3	6.00	0.00	992264	109149.1
9/16/22 12:50	0.00	74.69	508.4	1653.7	1825.0	6.00	0.00	992219	109144.1
9/16/22 12:51	0.00	74.44	508.1	1652.5	1824.2	6.00	0.00	991488	109063.7
9/16/22 12:52	0.00	74.76	508.0	1653.9	1823.2	6.00	0.00	992310	109154.1
9/16/22 12:53	0.00	74.59	508.0	1652.6	1824.2	6.00	0.00	991579	109073.7
9/16/22 12:54	0.00	74.67	508.3	1651.4	1824.2	6.00	0.00	990849	108993.4
9/16/22 12:55	0.00	74.90	508.3	1653.8	1823.8	6.00	0.00	992264	109149.1
9/16/22 12:56	0.00	74.88	508.4	1654.3	1824.5	6.00	0.00	992584	109184.3

9/16/22 12:57	0.00	74.68	507.8	1652.0	1823.0	6.00	0.00	991214	109033.6
9/16/22 12:58	0.00	74.48	509.0	1651.9	1826.5	6.00	0.00	991123	109023.5
9/16/22 12:59	0.00	74.55	508.6	1653.1	1825.5	6.00	0.00	991853	109103.9
9/16/22 13:00	0.00	74.53	508.0	1650.8	1823.9	6.00	0.00	990484	108953.2
9/16/22 13:01	0.00	74.54	507.9	1651.3	1823.9	6.00	0.00	990803	108988.4
9/16/22 13:02	0.00	74.62	508.3	1653.1	1823.6	6.00	0.00	991853	109103.9
9/16/22 13:03	0.00	74.65	508.2	1653.2	1824.1	6.00	0.00	991899	109108.9
9/16/22 13:04	0.00	74.43	507.9	1651.8	1823.2	6.00	0.00	991077	109018.5
9/16/22 13:05	0.00	74.43	508.1	1651.9	1824.1	6.00	0.00	991169	109028.6
9/16/22 13:06	0.00	74.81	507.9	1653.1	1823.9	6.00	0.00	991853	109103.9
9/16/22 13:07	0.00	74.66	507.9	1651.5	1822.7	6.00	0.00	990895	108998.4
9/16/22 13:08	0.00	74.67	507.0	1651.2	1821.7	6.00	0.00	990712	108978.3
9/16/22 13:09	0.00	74.59	508.0	1654.5	1823.9	6.00	0.00	992675	109194.3
9/16/22 13:10	0.00	74.62	507.3	1651.3	1821.8	6.00	0.00	990803	108988.4
9/16/22 13:11	0.00	74.61	508.3	1653.1	1823.9	6.00	0.00	991853	109103.9
9/16/22 13:12	0.00	74.73	508.1	1653.5	1823.9	6.00	0.00	992128	109134.0
9/16/22 13:13	0.00	74.73	508.1	1652.6	1824.1	6.00	0.00	991579	109073.7
9/16/22 13:14	0.00	74.49	507.9	1650.4	1823.3	6.00	0.00	990255	108928.1
9/16/22 13:15	0.00	74.51	507.7	1653.2	1823.2	6.00	0.00	991945	109113.9
9/16/22 13:16	0.00	74.49	507.8	1653.2	1822.9	6.00	0.00	991945	109113.9
9/16/22 13:17	0.00	74.55	507.9	1650.1	1823.4	6.00	0.00	990073	108908.0
9/16/22 13:18	0.00	74.70	508.0	1651.4	1823.3	6.00	0.00	990849	108993.4
9/16/22 13:19	0.00	74.59	508.0	1653.2	1823.3	6.00	0.00	991899	109108.9
9/16/22 13:20	0.00	74.81	507.3	1651.4	1821.9	6.00	0.00	990849	108993.4
9/16/22 13:21	0.00	74.52	507.7	1653.1	1823.8	6.00	0.00	991853	109103.9
9/16/22 13:22	0.00	74.81	508.3	1654.3	1824.9	6.00	0.00	992584	109184.3
9/16/22 13:23	0.00	74.60	507.5	1650.9	1822.6	6.00	0.00	990529	108958.2
9/16/22 13:24	0.00	74.34	507.7	1650.9	1822.6	6.00	0.00	990529	108958.2
9/16/22 13:25	0.00	74.35	506.9	1652.6	1821.9	6.00	0.00	991534	109068.7
9/16/22 13:26	0.00	74.61	506.6	1650.8	1820.7	6.00	0.00	990484	108953.2
9/16/22 13:27	0.00	74.63	506.7	1651.4	1821.3	6.00	0.00	990849	108993.4
9/16/22 13:28	0.00	74.62	507.9	1652.0	1823.3	6.00	0.00	991214	109033.6
9/16/22 13:29	0.00	74.60	507.3	1651.5	1823.1	6.00	0.00	990895	108998.4
9/16/22 13:30	0.00	74.63	507.7	1652.0	1823.9	6.00	0.00	991214	109033.6
9/16/22 13:31	0.00	74.57	507.5	1651.4	1823.6	6.00	0.00	990849	108993.4
9/16/22 13:32	0.00	74.83	508.3	1653.9	1824.5	6.00	0.00	992310	109154.1
9/16/22 13:33	0.00	74.32	507.5	1651.8	1822.6	6.00	0.00	991077	109018.5
9/16/22 13:34	0.00	74.49	508.1	1652.0	1824.3	6.00	0.00	991214	109033.6
9/16/22 13:35	0.00	74.67	508.1	1653.8	1823.6	6.00	0.00	992264	109149.1
9/16/22 13:36	0.00	74.56	508.2	1652.6	1823.7	6.00	0.00	991534	109068.7
9/16/22 13:37	0.00	74.94	508.1	1650.1	1823.7	6.00	0.00	990073	108908.0
9/16/22 13:38	0.00	74.51	508.1	1652.6	1824.4	6.00	0.00	991579	109073.7
9/16/22 13:39	0.00	74.74	508.3	1653.9	1824.9	6.00	0.00	992356	109159.1
9/16/22 13:40	0.00	74.63	507.8	1650.8	1823.2	6.00	0.00	990484	108953.2
9/16/22 13:41	0.00	74.67	508.2	1652.6	1824.2	6.00	0.00	991580	109073.8
9/16/22 13:42	0.00	74.74	508.3	1653.9	1824.2	6.00	0.00	992310	109154.1
9/16/22 13:43	0.00	74.74	507.7	1650.9	1823.0	6.00	0.00	990529	108958.2
9/16/22 13:44	0.00	74.59	508.2	1651.4	1823.4	6.00	0.00	990849	108993.4
9/16/22 13:45	0.00	74.87	507.1	1651.5	1821.8	6.00	0.00	990895	108998.4
9/16/22 13:46	0.00	74.80	508.1	1650.1	1824.5	6.00	0.00	990073	108908.0
9/16/22 13:47	0.00	74.89	507.8	1650.8	1823.4	6.00	0.00	990484	108953.2
9/16/22 13:48	0.00	74.64	507.7	1650.8	1823.3	6.00	0.00	990484	108953.2
9/16/22 13:49	0.00	74.69	508.3	1652.0	1824.1	6.00	0.00	991214	109033.6
9/16/22 13:50	0.00	74.66	507.9	1650.2	1823.2	6.00	0.00	990118	108913.0
9/16/22 13:51	0.00	74.56	508.3	1652.6	1824.4	6.00	0.00	991579	109073.7
9/16/22 13:52	0.00	74.75	508.7	1652.0	1824.4	6.00	0.00	991214	109033.5
9/16/22 13:53	0.00	74.74	508.5	1652.0	1824.7	6.00	0.00	991214	109033.6
9/16/22 13:54	0.00	74.52	509.1	1652.7	1826.4	6.00	0.00	991625	109078.8
9/16/22 13:55	0.00	74.67	508.4	1653.2	1825.6	6.00	0.00	991899	109108.9
9/16/22 13:56	0.00	74.48	508.9	1651.4	1825.5	6.00	0.00	990849	108993.4
9/16/22 13:57	0.00	74.69	508.4	1650.7	1824.9	6.00	0.00	990438	108948.2
9/16/22 13:58	0.00	74.86	509.1	1653.9	1826.0	6.00	0.00	992310	109154.1
9/16/22 13:59	0.00	74.76	509.3	1652.6	1826.7	6.00	0.00	991534	109068.7
9/16/22 14:00	0.00	74.80	508.9	1650.8	1825.4	6.00	0.00	990484	108953.2
9/16/22 14:01	0.00	74.55	509.3	1653.2	1826.4	6.00	0.00	991899	109108.9
9/16/22 14:02	0.00	74.57	509.1	1651.4	1826.2	6.00	0.00	990849	108993.4
9/16/22 14:03	0.00	74.51	508.8	1651.4	1825.5	6.00	0.00	990849	108993.4
9/16/22 14:04	0.00	74.53	507.9	1651.3	1824.5	6.00	0.00	990803	108988.4
9/16/22 14:05	0.00	74.64	506.9	1651.3	1821.8	6.00	0.00	990803	108988.4
9/16/22 14:06	0.00	74.61	506.5	1649.5	1820.7	6.00	0.00	989707	108867.8
9/16/22 14:07	0.00	74.67	506.6	1650.2	1820.4	6.00	0.00	990118	108913.0
9/16/22 14:08	0.00	74.47	505.9	1652.2	1819.1	6.00	0.00	991306	109043.6

9/16/22 14:09	0.00	74.34	505.7	1649.0	1818.1	6.00	0.00	989387	108832.6
9/16/22 14:10	0.00	74.72	504.9	1649.0	1817.6	6.00	0.00	989387	108832.6
9/16/22 14:11	0.00	74.53	505.1	1650.2	1817.7	6.00	0.00	990118	108913.0
9/16/22 14:12	0.00	74.82	504.5	1649.6	1816.5	6.00	0.00	989753	108872.8
9/16/22 14:13	0.00	74.60	504.7	1647.8	1817.2	6.00	0.00	988703	108757.3
9/16/22 14:14	0.00	74.49	504.5	1650.2	1816.8	6.00	0.00	990118	108913.0
9/16/22 14:15	0.00	74.61	504.5	1649.5	1816.7	6.00	0.00	989707	108867.8
9/16/22 14:16	0.00	74.56	505.3	1649.4	1818.2	6.00	0.00	989616	108857.8
9/16/22 14:17	0.00	74.74	506.7	1650.3	1821.7	6.00	0.00	990164	108918.0
9/16/22 14:18	0.00	74.72	506.5	1651.0	1821.0	6.00	0.00	990575	108963.2
9/16/22 14:19	0.00	74.59	506.5	1648.4	1821.3	6.00	0.00	989022	108792.4
9/16/22 14:20	0.00	74.52	506.7	1648.7	1821.1	6.00	0.00	989205	108812.6
9/16/22 14:21	0.00	74.75	505.9	1652.1	1819.9	6.00	0.00	991260	109038.6
9/16/22 14:22	0.00	74.77	505.3	1649.0	1818.6	6.00	0.00	989387	108832.6
9/16/22 14:23	0.00	74.60	505.5	1648.1	1817.9	6.00	0.00	988840	108772.4
9/16/22 14:24	0.00	74.80	505.5	1652.4	1818.3	6.00	0.00	991442	109058.7
9/16/22 14:25	0.00	74.67	505.5	1650.2	1818.8	6.00	0.00	990118	108913.0
9/16/22 14:26	0.00	74.50	505.1	1647.2	1817.9	6.00	0.00	988292	108712.1
9/16/22 14:27	0.00	74.93	505.7	1650.1	1819.2	6.00	0.00	990073	108908.0
9/16/22 14:28	0.00	74.80	506.5	1651.3	1821.0	6.00	0.00	990757	108983.3
9/16/22 14:29	0.00	74.83	507.5	1649.7	1822.6	6.00	0.00	989844	108882.8
9/16/22 14:30	0.00	74.60	506.9	1649.8	1822.2	6.00	0.00	989890	108887.9
9/16/22 14:31	0.00	74.36	506.5	1651.0	1819.9	6.00	0.00	990575	108963.2
9/16/22 14:32	0.00	74.70	506.3	1648.3	1820.4	6.00	0.00	988976	108787.4
9/16/22 14:33	0.00	74.63	506.9	1650.7	1821.5	6.00	0.00	990438	108948.2
9/16/22 14:34	0.00	74.83	506.8	1650.7	1821.9	6.00	0.00	990438	108948.2
9/16/22 14:35	0.00	74.85	506.5	1650.2	1820.9	6.00	0.00	990118	108913.0
9/16/22 14:36	0.00	74.65	506.4	1648.5	1820.7	6.00	0.00	989114	108802.5
9/16/22 14:37	0.00	74.57	506.6	1651.4	1820.8	6.00	0.00	990849	108993.4
9/16/22 14:38	0.00	74.67	506.6	1650.2	1820.6	6.00	0.00	990118	108913.0
9/16/22 14:39	0.00	74.51	506.5	1649.1	1819.9	6.00	0.00	989433	108837.6
9/16/22 14:40	0.00	74.56	506.5	1650.1	1820.6	6.00	0.00	990073	108908.0
9/16/22 14:41	0.00	74.33	506.3	1652.6	1819.8	6.00	0.00	991534	109068.7
9/16/22 14:42	0.00	74.46	506.1	1649.5	1820.1	6.00	0.00	989707	108867.8
9/16/22 14:43	0.00	74.72	506.5	1650.7	1821.0	6.00	0.00	990438	108948.2
9/16/22 14:44	0.00	74.76	506.7	1650.9	1821.2	6.00	0.00	990529	108958.2
9/16/22 14:45	0.00	74.93	506.9	1649.0	1821.4	6.00	0.00	989387	108832.6
9/16/22 14:46	0.00	74.59	507.3	1652.0	1822.2	6.00	0.00	991214	109033.6
9/16/22 14:47	0.00	74.61	506.9	1650.8	1821.0	6.00	0.00	990484	108953.2
9/16/22 14:48	0.00	74.63	507.3	1650.8	1821.5	6.00	0.00	990484	108953.2
9/16/22 14:49	0.00	74.67	507.9	1649.7	1823.9	6.00	0.00	989798	108877.8
9/16/22 14:50	0.00	74.72	507.7	1651.6	1823.8	6.00	0.00	990986	109008.4
9/16/22 14:51	0.00	74.43	507.7	1650.7	1822.7	6.00	0.00	990438	108948.2
9/16/22 14:52	0.00	74.53	507.5	1648.4	1822.9	6.00	0.00	989068	108797.5
9/16/22 14:53	0.00	74.87	508.1	1652.0	1824.6	6.00	0.00	991214	109033.5
9/16/22 14:54	0.00	74.92	508.4	1651.6	1823.9	6.00	0.00	990940	109003.4
9/16/22 14:55	0.00	74.31	507.8	1649.7	1823.2	6.00	0.00	989799	108877.9
9/16/22 14:56	0.00	74.82	507.4	1650.9	1822.1	6.00	0.00	990529	108958.2
9/16/22 14:57	0.00	74.72	506.7	1649.8	1820.5	6.00	0.00	989890	108887.9
9/16/22 14:58	0.00	74.49	505.9	1649.5	1819.3	6.00	0.00	989707	108867.8
9/16/22 14:59	0.00	74.61	506.0	1650.7	1820.2	6.00	0.00	990438	108948.2
9/16/22 15:00	0.00	74.70	506.0	1651.5	1820.0	6.00	0.00	990895	108998.4
9/16/22 15:01	0.00	74.45	505.7	1650.2	1818.7	6.00	0.00	990118	108913.0
9/16/22 15:02	0.00	74.44	505.5	1649.6	1818.8	6.00	0.00	989753	108872.8
9/16/22 15:03	0.00	74.73	505.9	1651.5	1819.2	6.00	0.00	990895	108998.4
9/16/22 15:04	0.00	74.71	505.5	1650.8	1818.6	6.00	0.00	990484	108953.2
9/16/22 15:05	0.00	74.50	506.4	1649.7	1821.0	6.00	0.00	989798	108877.8
9/16/22 15:06	0.00	74.76	506.7	1653.2	1821.4	6.00	0.00	991945	109113.9
9/16/22 15:07	0.00	74.61	506.5	1652.6	1820.8	6.00	0.00	991579	109073.7
9/16/22 15:08	0.00	74.90	505.3	1648.0	1818.6	6.00	0.00	988794	108767.3
9/16/22 15:09	0.00	74.46	505.7	1650.8	1819.8	6.00	0.00	990484	108953.2
9/16/22 15:10	0.00	74.88	506.7	1651.9	1820.8	6.00	0.00	991123	109023.5
9/16/22 15:11	0.00	74.67	506.7	1650.3	1820.5	6.00	0.00	990164	108918.0
9/16/22 15:12	0.00	74.57	505.7	1649.2	1818.7	6.00	0.00	989524	108847.7
9/16/22 15:13	0.00	74.58	505.9	1652.7	1819.1	6.00	0.00	991625	109078.8
9/16/22 15:14	0.00	74.68	506.1	1650.3	1819.5	6.00	0.00	990164	108918.0
9/16/22 15:15	0.00	74.53	506.7	1651.3	1821.5	6.00	0.00	990803	108988.4
9/16/22 15:16	0.00	74.88	506.9	1652.0	1821.4	6.00	0.00	991214	109033.6
9/16/22 15:17	0.00	74.49	507.5	1652.1	1822.6	6.00	0.00	991260	109038.6
9/16/22 15:18	0.00	74.26	507.7	1650.0	1823.0	6.00	0.00	990027	108903.0
9/16/22 15:19	0.00	74.74	507.1	1650.8	1821.6	6.00	0.00	990484	108953.2
9/16/22 15:20	0.00	74.59	506.7	1652.0	1820.8	6.00	0.00	991214	109033.5

9/16/22 15:21	0.00	74.72	508.1	1649.7	1823.6	6.00	0.00	989798	108877.8
9/16/22 15:22	0.00	74.60	508.3	1650.8	1825.1	6.00	0.00	990484	108953.2
9/16/22 15:23	0.00	74.64	507.7	1652.0	1823.4	6.00	0.00	991214	109033.6
9/16/22 15:24	0.00	74.69	507.8	1649.7	1823.4	6.00	0.00	989798	108877.8
9/16/22 15:25	0.00	74.48	507.8	1649.1	1823.6	6.00	0.00	989433	108837.6
9/16/22 15:26	0.00	74.77	507.4	1652.6	1822.0	6.00	0.00	991579	109073.7
9/16/22 15:27	0.00	74.60	506.9	1649.5	1821.0	6.00	0.00	989707	108867.8
9/16/22 15:28	0.00	74.52	505.9	1647.8	1819.0	6.00	0.00	988657	108752.3
9/16/22 15:29	0.00	74.47	505.7	1651.6	1818.9	6.00	0.00	990940	109003.4
9/16/22 15:30	0.00	74.78	505.9	1648.4	1819.8	6.00	0.00	989068	108797.4
9/16/22 15:31	0.00	74.61	505.7	1648.4	1819.7	6.00	0.00	989068	108797.5
9/16/22 15:32	0.00	74.93	506.1	1651.6	1820.2	6.00	0.00	990940	109003.4
9/16/22 15:33	0.00	74.57	505.5	1650.3	1818.4	6.00	0.00	990209	108923.0
9/16/22 15:34	0.00	74.72	505.1	1648.6	1817.6	6.00	0.00	989159	108807.5
9/16/22 15:35	0.00	74.70	504.6	1650.0	1816.7	6.00	0.00	990027	108903.0
9/16/22 15:36	0.00	74.65	504.5	1650.2	1816.2	6.00	0.00	990118	108913.0
9/16/22 15:37	0.00	74.64	504.3	1648.4	1815.8	6.00	0.00	989068	108797.4
9/16/22 15:38	0.00	74.77	504.5	1650.4	1817.1	6.00	0.00	990255	108928.1
9/16/22 15:39	0.00	74.88	504.3	1650.1	1816.5	6.00	0.00	990073	108908.0
9/16/22 15:40	0.00	74.67	504.3	1649.0	1817.1	6.00	0.00	989387	108832.6
9/16/22 15:41	0.00	74.65	505.3	1651.4	1818.7	6.00	0.00	990849	108993.4
9/16/22 15:42	0.00	74.77	505.7	1651.0	1819.3	6.00	0.00	990575	108963.2
9/16/22 15:43	0.00	74.35	505.5	1648.1	1818.5	6.00	0.00	988885	108777.4
9/16/22 15:44	0.00	74.53	505.7	1648.0	1818.9	6.00	0.00	988794	108767.3
9/16/22 15:45	0.00	74.77	506.1	1651.5	1819.3	6.00	0.00	990895	108998.4
9/16/22 15:46	0.00	74.38	506.5	1650.3	1820.4	6.00	0.00	990209	108923.0
9/16/22 15:47	0.00	74.35	506.7	1649.1	1820.8	6.00	0.00	989433	108837.6
9/16/22 15:48	0.00	74.74	506.9	1651.6	1822.2	6.00	0.00	990986	109008.4
9/16/22 15:49	0.00	74.63	507.1	1650.9	1822.7	6.00	0.00	990529	108958.2
9/16/22 15:50	0.00	74.67	507.6	1648.3	1822.6	6.00	0.00	988976	108787.4
9/16/22 15:51	0.00	74.99	507.4	1651.0	1821.6	6.00	0.00	990575	108963.2
9/16/22 15:52	0.00	74.44	507.3	1650.2	1822.0	6.00	0.00	990118	108913.0
9/16/22 15:53	0.00	74.75	507.3	1649.5	1821.4	6.00	0.00	989707	108867.8
9/16/22 15:54	0.00	74.73	507.4	1651.3	1823.2	6.00	0.00	990803	108988.3
9/16/22 15:55	0.00	74.58	507.4	1649.7	1822.4	6.00	0.00	989798	108877.8
9/16/22 15:56	0.00	74.55	507.3	1649.6	1822.3	6.00	0.00	989753	108872.8
9/16/22 15:57	0.00	74.58	507.9	1651.6	1824.0	6.00	0.00	990940	109003.4
9/16/22 15:58	0.00	74.82	507.7	1650.9	1822.6	6.00	0.00	990529	108958.2
9/16/22 15:59	0.00	74.78	506.3	1649.1	1820.6	6.00	0.00	989433	108837.6
9/16/22 16:00	0.00	74.51	507.1	1650.8	1821.7	6.00	0.00	990484	108953.2
9/16/22 16:01	0.00	74.69	507.3	1651.0	1822.1	6.00	0.00	990575	108963.2
9/16/22 16:02	0.00	74.47	506.9	1651.5	1821.5	6.00	0.00	990895	108998.4
9/16/22 16:03	0.00	74.67	507.4	1649.7	1822.0	6.00	0.00	989798	108877.8
9/16/22 16:04	0.00	74.58	506.9	1652.0	1822.0	6.00	0.00	991214	109033.6
9/16/22 16:05	0.00	74.80	507.1	1649.0	1822.3	6.00	0.00	989387	108832.6
9/16/22 16:06	0.00	74.70	507.9	1651.6	1823.4	6.00	0.00	990940	109003.4
9/16/22 16:07	0.00	74.74	507.3	1650.8	1822.3	6.00	0.00	990484	108953.2
Run 7 End - NG	**0.00**	**74.64**	**507.07**	**1651.12**	**1821.84**	**6.00**	**0.00**	**990672**	**108973.9**
Run 1 Start - FO									
9/17/22 08:37	123.01	75.53	506.1	0.0	1823.5	0.00	6.00	0	1077.6
9/17/22 08:38	123.05	75.35	506.1	0.0	1823.7	0.00	6.00	0	1077.9
9/17/22 08:39	123.01	75.46	506.4	0.0	1824.2	0.00	6.00	0	1077.6
9/17/22 08:40	123.28	75.42	506.3	0.0	1823.5	0.00	6.00	0	1079.9
9/17/22 08:41	123.64	75.47	506.3	0.0	1823.5	0.00	6.00	0	1083.1
9/17/22 08:42	123.49	75.41	506.5	0.0	1823.6	0.00	6.00	0	1081.8
9/17/22 08:43	123.10	75.55	506.5	0.0	1823.6	0.00	6.00	0	1078.3
9/17/22 08:44	123.19	75.56	507.1	0.0	1824.8	0.00	6.00	0	1079.1
9/17/22 08:45	123.12	75.36	506.9	0.0	1824.7	0.00	6.00	0	1078.5
9/17/22 08:46	123.28	75.23	507.3	0.0	1825.1	0.00	6.00	0	1080.0
9/17/22 08:47	122.73	75.31	507.1	0.0	1824.8	0.00	6.00	0	1075.1
9/17/22 08:48	122.67	75.52	507.0	0.0	1824.4	0.00	6.00	0	1074.6
9/17/22 08:49	122.41	75.82	507.3	0.0	1824.6	0.00	6.00	0	1072.3
9/17/22 08:50	122.42	76.04	507.4	0.0	1825.5	0.00	6.00	0	1072.4
9/17/22 08:51	122.97	75.53	507.4	0.0	1826.8	0.00	6.00	0	1077.2
9/17/22 08:52	123.05	75.51	507.4	0.0	1826.1	0.00	6.00	0	1077.9
9/17/22 08:53	123.14	75.38	507.3	0.0	1825.4	0.00	6.00	0	1078.7
9/17/22 08:54	123.39	75.28	507.7	0.0	1826.6	0.00	6.00	0	1080.9
9/17/22 08:55	123.33	75.51	507.4	0.0	1825.7	0.00	6.00	0	1080.4
9/17/22 08:56	123.05	75.47	507.4	0.0	1825.3	0.00	6.00	0	1077.9
9/17/22 08:57	122.69	75.31	507.7	0.0	1825.8	0.00	6.00	0	1074.8
9/17/22 08:58	122.90	74.95	507.7	0.0	1826.6	0.00	6.00	0	1076.6

9/17/22 08:59	122.55	75.37	507.6	0.0	1826.3	0.00	6.00	0	1073.6
9/17/22 09:00	122.75	75.46	507.7	0.0	1826.3	0.00	6.00	0	1075.3
9/17/22 09:01	123.01	75.65	507.8	0.0	1826.5	0.00	6.00	0	1077.6
9/17/22 09:02	123.00	75.83	508.3	0.0	1827.0	0.00	6.00	0	1077.5
9/17/22 09:03	123.01	75.34	508.4	0.0	1827.8	0.00	6.00	0	1077.6
9/17/22 09:04	122.65	75.54	508.4	0.0	1827.3	0.00	6.00	0	1074.4
9/17/22 09:05	122.66	75.40	508.4	0.0	1827.3	0.00	6.00	0	1074.5
9/17/22 09:06	122.55	75.53	508.3	0.0	1827.6	0.00	6.00	0	1073.6
9/17/22 09:07	123.04	75.53	508.4	0.0	1828.3	0.00	6.00	0	1077.8
9/17/22 09:08	122.99	75.23	508.4	0.0	1828.6	0.00	6.00	0	1077.4
9/17/22 09:09	122.81	75.57	508.4	0.0	1827.8	0.00	6.00	0	1075.9
9/17/22 09:10	122.60	75.74	508.4	0.0	1828.3	0.00	6.00	0	1074.0
9/17/22 09:11	122.43	75.85	508.4	0.0	1828.2	0.00	6.00	0	1072.5
9/17/22 09:12	122.28	75.50	508.4	0.0	1827.7	0.00	6.00	0	1071.2
9/17/22 09:13	122.70	75.58	508.4	0.0	1827.8	0.00	6.00	0	1074.9
9/17/22 09:14	122.55	75.62	508.4	0.0	1827.4	0.00	6.00	0	1073.6
9/17/22 09:15	122.86	75.87	508.6	0.0	1828.6	0.00	6.00	0	1076.2
9/17/22 09:16	122.75	74.81	508.5	0.0	1828.6	0.00	6.00	0	1075.3
9/17/22 09:17	122.64	75.71	508.5	0.0	1828.4	0.00	6.00	0	1074.3
9/17/22 09:18	122.96	75.24	509.5	0.0	1829.3	0.00	6.00	0	1077.1
9/17/22 09:19	123.19	75.30	509.6	0.0	1829.4	0.00	6.00	0	1079.2
9/17/22 09:20	123.19	75.82	509.5	0.0	1828.9	0.00	6.00	0	1079.2
9/17/22 09:21	122.94	75.44	509.2	0.0	1828.8	0.00	6.00	0	1077.0
9/17/22 09:22	123.04	75.45	509.7	0.0	1829.9	0.00	6.00	0	1077.8
9/17/22 09:23	122.93	75.46	509.0	0.0	1828.9	0.00	6.00	0	1076.9
9/17/22 09:24	122.80	75.39	509.0	0.0	1829.2	0.00	6.00	0	1075.7
9/17/22 09:25	122.64	75.43	509.4	0.0	1829.7	0.00	6.00	0	1074.3
9/17/22 09:26	122.64	75.70	509.2	0.0	1829.2	0.00	6.00	0	1074.3
9/17/22 09:27	122.75	75.21	509.7	0.0	1830.5	0.00	6.00	0	1075.3
9/17/22 09:28	123.00	75.23	509.6	0.0	1830.4	0.00	6.00	0	1077.5
9/17/22 09:29	123.18	75.40	509.9	0.0	1830.2	0.00	6.00	0	1079.1
9/17/22 09:30	123.05	75.42	509.9	0.0	1830.5	0.00	6.00	0	1077.9
9/17/22 09:31	122.89	75.22	509.9	0.0	1830.1	0.00	6.00	0	1076.5
9/17/22 09:32	122.64	75.37	509.7	0.0	1829.7	0.00	6.00	0	1074.4
9/17/22 09:33	122.64	75.60	509.9	0.0	1830.7	0.00	6.00	0	1074.3
9/17/22 09:34	122.80	75.53	509.7	0.0	1829.8	0.00	6.00	0	1075.7
9/17/22 09:35	122.68	75.78	509.7	0.0	1829.3	0.00	6.00	0	1074.7
9/17/22 09:36	122.97	75.73	509.7	0.0	1829.7	0.00	6.00	0	1077.2
9/17/22 09:37	122.76	75.79	509.7	0.0	1829.7	0.00	6.00	0	1075.4
9/17/22 09:38	123.12	75.54	510.1	0.0	1830.8	0.00	6.00	0	1078.5
9/17/22 09:39	123.22	75.55	510.8	0.0	1832.6	0.00	6.00	0	1079.4
9/17/22 09:40	123.14	75.51	510.3	0.0	1831.7	0.00	6.00	0	1078.7
9/17/22 09:41	123.19	75.30	510.2	0.0	1831.4	0.00	6.00	0	1079.2
9/17/22 09:42	123.19	75.48	509.9	0.0	1831.3	0.00	6.00	0	1079.1
9/17/22 09:43	123.38	75.29	509.7	0.0	1829.9	0.00	6.00	0	1080.8
9/17/22 09:44	123.64	75.41	509.7	0.0	1829.9	0.00	6.00	0	1083.1
9/17/22 09:45	123.59	75.35	509.7	0.0	1829.7	0.00	6.00	0	1082.6
9/17/22 09:46	123.68	75.47	509.9	0.0	1830.7	0.00	6.00	0	1083.4
9/17/22 09:47	123.49	75.45	509.7	0.0	1830.6	0.00	6.00	0	1081.7
9/17/22 09:48	123.05	75.70	509.7	0.0	1830.6	0.00	6.00	0	1077.9
9/17/22 09:49	123.49	75.37	509.8	0.0	1830.8	0.00	6.00	0	1081.7
9/17/22 09:50	123.05	75.45	510.7	0.0	1831.8	0.00	6.00	0	1077.9
9/17/22 09:51	123.77	75.77	509.9	0.0	1831.0	0.00	6.00	0	1084.2
9/17/22 09:52	123.64	75.24	510.0	0.0	1830.6	0.00	6.00	0	1083.1
9/17/22 09:53	123.63	75.69	510.0	0.0	1830.4	0.00	6.00	0	1083.0
9/17/22 09:54	122.97	75.51	509.8	0.0	1830.2	0.00	6.00	0	1077.2
9/17/22 09:55	123.01	75.54	510.0	0.0	1831.2	0.00	6.00	0	1077.6
9/17/22 09:56	123.10	75.45	510.6	0.0	1832.0	0.00	6.00	0	1078.3
9/17/22 09:57	123.53	75.18	509.9	0.0	1830.8	0.00	6.00	0	1082.2
9/17/22 09:58	124.22	75.27	509.7	0.0	1831.0	0.00	6.00	0	1088.2
9/17/22 09:59	124.57	75.47	510.2	0.0	1831.7	0.00	6.00	0	1091.3
9/17/22 10:00	124.75	75.50	511.2	0.0	1833.6	0.00	6.00	0	1092.8
9/17/22 10:01	124.48	75.92	511.6	0.0	1834.2	0.00	6.00	0	1090.4
9/17/22 10:02	124.07	75.25	511.2	0.0	1833.2	0.00	6.00	0	1086.9
9/17/22 10:03	124.76	75.18	510.8	0.0	1832.2	0.00	6.00	0	1092.9
9/17/22 10:04	124.16	75.36	510.8	0.0	1832.9	0.00	6.00	0	1087.7
9/17/22 10:05	124.70	75.55	510.8	0.0	1833.2	0.00	6.00	0	1092.4
9/17/22 10:06	124.08	75.55	510.8	0.0	1833.5	0.00	6.00	0	1087.0
9/17/22 10:07	123.86	75.70	511.3	0.0	1833.8	0.00	6.00	0	1085.1
9/17/22 10:08	124.08	75.75	511.4	0.0	1834.2	0.00	6.00	0	1087.0
9/17/22 10:09	124.17	75.35	510.8	0.0	1833.0	0.00	6.00	0	1087.7
9/17/22 10:10	124.26	75.41	510.8	0.0	1833.6	0.00	6.00	0	1088.5

9/17/22 10:11	123.78	75.18	511.3	0.0	1834.3	0.00	6.00	0	1084.3
9/17/22 10:12	124.60	75.38	511.7	0.0	1834.9	0.00	6.00	0	1091.5
9/17/22 10:13	124.11	75.54	511.7	0.0	1835.2	0.00	6.00	0	1087.2
9/17/22 10:14	123.81	75.74	511.7	0.0	1834.8	0.00	6.00	0	1084.6
9/17/22 10:15	124.15	75.49	511.7	0.0	1834.5	0.00	6.00	0	1087.6
9/17/22 10:16	124.14	75.36	511.6	0.0	1834.5	0.00	6.00	0	1087.5
9/17/22 10:17	124.14	75.32	511.7	0.0	1834.2	0.00	6.00	0	1087.5
9/17/22 10:18	123.97	75.40	511.1	0.0	1833.5	0.00	6.00	0	1086.0
9/17/22 10:19	124.03	75.53	511.2	0.0	1834.1	0.00	6.00	0	1086.5
9/17/22 10:20	123.33	75.55	511.8	0.0	1836.1	0.00	6.00	0	1080.4
9/17/22 10:21	123.44	75.60	512.5	0.0	1836.3	0.00	6.00	0	1081.4
9/17/22 10:22	123.19	75.52	512.0	0.0	1835.3	0.00	6.00	0	1079.2
9/17/22 10:23	123.78	75.47	510.8	0.0	1833.2	0.00	6.00	0	1084.3
9/17/22 10:24	124.36	75.65	511.0	0.0	1834.1	0.00	6.00	0	1089.4
9/17/22 10:25	123.61	75.52	511.4	0.0	1834.2	0.00	6.00	0	1082.8
9/17/22 10:26	123.58	75.46	511.9	0.0	1835.8	0.00	6.00	0	1082.5
9/17/22 10:27	123.92	75.40	511.9	0.0	1835.6	0.00	6.00	0	1085.5
9/17/22 10:28	123.95	75.55	511.0	0.0	1834.2	0.00	6.00	0	1085.8
9/17/22 10:29	123.50	75.83	511.0	0.0	1833.9	0.00	6.00	0	1081.8
9/17/22 10:30	123.08	75.48	511.2	0.0	1834.1	0.00	6.00	0	1078.2
9/17/22 10:31	123.38	75.59	511.9	0.0	1834.8	0.00	6.00	0	1080.8
9/17/22 10:32	123.55	75.59	511.9	0.0	1834.6	0.00	6.00	0	1082.3
9/17/22 10:33	123.63	75.44	511.6	0.0	1833.9	0.00	6.00	0	1083.0
9/17/22 10:34	123.77	75.69	511.9	0.0	1834.8	0.00	6.00	0	1084.2
9/17/22 10:35	123.81	75.03	512.1	0.0	1836.6	0.00	6.00	0	1084.6
9/17/22 10:36	123.81	75.69	512.5	0.0	1837.0	0.00	6.00	0	1084.6
9/17/22 10:37	123.59	75.52	511.9	0.0	1835.0	0.00	6.00	0	1082.6
9/17/22 10:38	123.38	75.28	511.9	0.0	1834.6	0.00	6.00	0	1080.8
9/17/22 10:39	123.72	75.62	511.8	0.0	1834.7	0.00	6.00	0	1083.8
9/17/22 10:40	123.77	75.48	511.9	0.0	1835.4	0.00	6.00	0	1084.2
9/17/22 10:41	124.01	75.67	511.9	0.0	1834.8	0.00	6.00	0	1086.3
9/17/22 10:42	124.31	75.76	511.9	0.0	1835.5	0.00	6.00	0	1089.0
9/17/22 10:43	124.51	75.46	512.1	0.0	1836.4	0.00	6.00	0	1090.7
9/17/22 10:44	124.64	75.39	511.9	0.0	1836.3	0.00	6.00	0	1091.8
9/17/22 10:45	124.41	75.36	511.9	0.0	1835.8	0.00	6.00	0	1089.8
9/17/22 10:46	124.07	75.59	512.3	0.0	1836.2	0.00	6.00	0	1086.8
9/17/22 10:47	125.09	75.22	512.7	0.0	1836.7	0.00	6.00	0	1095.8
9/17/22 10:48	125.10	75.13	512.3	0.0	1835.5	0.00	6.00	0	1095.9
9/17/22 10:49	124.31	75.77	511.8	0.0	1835.1	0.00	6.00	0	1089.0
9/17/22 10:50	124.03	75.82	511.9	0.0	1834.8	0.00	6.00	0	1086.5
9/17/22 10:51	123.86	75.35	512.1	0.0	1835.9	0.00	6.00	0	1085.1
9/17/22 10:52	123.98	75.47	512.6	0.0	1837.1	0.00	6.00	0	1086.1
9/17/22 10:53	124.27	75.53	512.9	0.0	1837.7	0.00	6.00	0	1088.6
9/17/22 10:54	123.95	75.38	513.1	0.0	1838.0	0.00	6.00	0	1085.8
9/17/22 10:55	123.42	75.60	511.9	0.0	1835.5	0.00	6.00	0	1081.2
9/17/22 10:56	123.63	75.78	512.1	0.0	1835.4	0.00	6.00	0	1083.0
9/17/22 10:57	123.81	75.62	513.5	0.0	1838.9	0.00	6.00	0	1084.6
9/17/22 10:58	124.17	75.71	514.3	0.0	1840.5	0.00	6.00	0	1087.7
9/17/22 10:59	124.22	75.22	514.9	0.0	1842.5	0.00	6.00	0	1088.2
9/17/22 11:00	123.97	75.41	514.5	0.0	1841.5	0.00	6.00	0	1086.0
9/17/22 11:01	124.08	75.60	514.3	0.0	1841.0	0.00	6.00	0	1087.0
9/17/22 11:02	123.82	75.57	514.3	0.0	1840.8	0.00	6.00	0	1084.6
9/17/22 11:03	123.77	75.64	514.3	0.0	1840.4	0.00	6.00	0	1084.2
9/17/22 11:04	123.63	75.08	514.3	0.0	1840.2	0.00	6.00	0	1083.0
9/17/22 11:05	123.64	75.33	514.8	0.0	1841.1	0.00	6.00	0	1083.1
9/17/22 11:06	123.68	75.61	513.4	0.0	1838.4	0.00	6.00	0	1083.4
9/17/22 11:07	123.74	75.53	513.6	0.0	1838.9	0.00	6.00	0	1083.9
9/17/22 11:08	123.72	75.42	514.3	0.0	1840.1	0.00	6.00	0	1083.8
9/17/22 11:09	123.68	75.59	513.9	0.0	1840.2	0.00	6.00	0	1083.4
9/17/22 11:10	123.97	75.36	514.4	0.0	1842.0	0.00	6.00	0	1086.0
9/17/22 11:11	123.92	75.51	514.3	0.0	1840.5	0.00	6.00	0	1085.5
9/17/22 11:12	124.03	75.57	514.5	0.0	1840.4	0.00	6.00	0	1086.5
9/17/22 11:13	124.28	75.31	514.5	0.0	1840.7	0.00	6.00	0	1088.7
9/17/22 11:14	123.97	75.69	515.0	0.0	1841.3	0.00	6.00	0	1086.0
9/17/22 11:15	123.38	75.76	514.9	0.0	1841.5	0.00	6.00	0	1080.8
9/17/22 11:16	123.90	75.48	514.3	0.0	1840.4	0.00	6.00	0	1085.3
9/17/22 11:17	124.50	75.49	514.3	0.0	1840.9	0.00	6.00	0	1090.6
9/17/22 11:18	124.26	75.27	515.1	0.0	1841.7	0.00	6.00	0	1088.5
9/17/22 11:19	123.83	75.38	515.1	0.0	1841.5	0.00	6.00	0	1084.8
9/17/22 11:20	124.40	75.29	513.9	0.0	1839.6	0.00	6.00	0	1089.7
9/17/22 11:21	124.33	75.71	514.1	0.0	1839.8	0.00	6.00	0	1089.1
9/17/22 11:22	124.15	75.39	513.5	0.0	1838.9	0.00	6.00	0	1087.5

9/17/22 11:23	124.03	75.42	513.9	0.0	1839.6	0.00	6.00	0	1086.5
9/17/22 11:24	124.31	75.87	514.4	0.0	1840.5	0.00	6.00	0	1089.0
9/17/22 11:25	124.40	75.60	513.4	0.0	1839.2	0.00	6.00	0	1089.7
9/17/22 11:26	124.49	75.50	513.8	0.0	1839.5	0.00	6.00	0	1090.6
9/17/22 11:27	124.60	75.25	514.3	0.0	1840.5	0.00	6.00	0	1091.5
9/17/22 11:28	124.66	75.48	515.0	0.0	1841.7	0.00	6.00	0	1092.0
9/17/22 11:29	124.74	75.65	515.1	0.0	1841.9	0.00	6.00	0	1092.7
9/17/22 11:30	124.36	75.47	515.5	0.0	1841.8	0.00	6.00	0	1089.4
9/17/22 11:31	124.45	75.62	515.5	0.0	1842.7	0.00	6.00	0	1090.2
9/17/22 11:32	123.76	75.71	515.5	0.0	1843.2	0.00	6.00	0	1084.1
9/17/22 11:33	124.35	75.30	515.3	0.0	1842.9	0.00	6.00	0	1089.3
9/17/22 11:34	125.53	75.28	514.3	0.0	1840.7	0.00	6.00	0	1099.6
9/17/22 11:35	125.72	75.31	515.7	0.0	1843.6	0.00	6.00	0	1101.3
9/17/22 11:36	125.18	75.51	515.8	0.0	1844.2	0.00	6.00	0	1096.6
9/17/22 11:37	125.04	75.37	516.8	0.0	1844.5	0.00	6.00	0	1095.4
9/17/22 11:38	124.77	75.34	515.5	0.0	1843.3	0.00	6.00	0	1093.0
9/17/22 11:39	123.77	75.60	515.5	0.0	1844.1	0.00	6.00	0	1084.3
9/17/22 11:40	123.25	75.38	516.1	0.0	1844.5	0.00	6.00	0	1079.7
9/17/22 11:41	123.87	75.31	515.9	0.0	1844.3	0.00	6.00	0	1085.1
9/17/22 11:42	123.24	75.21	515.5	0.0	1843.6	0.00	6.00	0	1079.5
9/17/22 11:43	123.14	75.73	515.5	0.0	1842.4	0.00	6.00	0	1078.7
9/17/22 11:44	123.46	75.70	514.7	0.0	1841.1	0.00	6.00	0	1081.5
9/17/22 11:45	123.37	75.44	515.1	0.0	1841.7	0.00	6.00	0	1080.7
9/17/22 11:46	123.42	75.22	515.5	0.0	1843.4	0.00	6.00	0	1081.1
9/17/22 11:47	123.87	75.38	515.7	0.0	1844.5	0.00	6.00	0	1085.1
9/17/22 11:48	123.71	75.65	515.5	0.0	1843.6	0.00	6.00	0	1083.7
9/17/22 11:49	123.28	75.60	515.5	0.0	1843.1	0.00	6.00	0	1079.9
9/17/22 11:50	123.17	75.22	515.5	0.0	1843.7	0.00	6.00	0	1079.0
9/17/22 11:51	123.17	75.53	515.5	0.0	1843.0	0.00	6.00	0	1079.0
9/17/22 11:52	123.50	75.56	514.9	0.0	1841.6	0.00	6.00	0	1081.9
9/17/22 11:53	123.47	75.35	514.7	0.0	1841.5	0.00	6.00	0	1081.6
9/17/22 11:54	123.53	75.26	515.3	0.0	1841.4	0.00	6.00	0	1082.2
9/17/22 11:55	123.43	75.43	514.5	0.0	1840.3	0.00	6.00	0	1081.3
9/17/22 11:56	123.56	75.54	514.3	0.0	1840.9	0.00	6.00	0	1082.4
9/17/22 11:57	123.47	75.64	514.4	0.0	1841.4	0.00	6.00	0	1081.6
9/17/22 11:58	123.66	75.44	514.5	0.0	1841.8	0.00	6.00	0	1083.3
9/17/22 11:59	123.72	75.49	515.1	0.0	1842.3	0.00	6.00	0	1083.8
9/17/22 12:00	123.75	75.48	514.3	0.0	1840.2	0.00	6.00	0	1084.0
9/17/22 12:01	123.53	75.44	514.3	0.0	1839.9	0.00	6.00	0	1082.1
9/17/22 12:02	123.32	75.26	515.3	0.0	1842.8	0.00	6.00	0	1080.3
9/17/22 12:03	123.28	75.46	515.5	0.0	1843.8	0.00	6.00	0	1079.9
9/17/22 12:04	123.22	75.70	516.3	0.0	1845.0	0.00	6.00	0	1079.4
9/17/22 12:05	123.22	75.52	515.9	0.0	1844.5	0.00	6.00	0	1079.4
9/17/22 12:06	123.44	75.39	515.7	0.0	1844.3	0.00	6.00	0	1081.3
9/17/22 12:07	123.52	75.47	515.5	0.0	1843.4	0.00	6.00	0	1082.1
Run 1 End - FO	**123.59**	**75.48**	**511.58**	**0.00**	**1834.59**	**0.00**	**6.00**	**0**	**1082.7**
Run 2 Start - FO									
9/17/22 12:23	122.99	75.47	514.2	0.0	1840.5	0.00	6.00	0	1077.4
9/17/22 12:24	122.78	75.68	513.7	0.0	1839.5	0.00	6.00	0	1075.6
9/17/22 12:25	122.69	75.48	514.1	0.0	1841.0	0.00	6.00	0	1074.7
9/17/22 12:26	122.80	75.34	514.3	0.0	1841.0	0.00	6.00	0	1075.7
9/17/22 12:27	122.69	75.79	514.3	0.0	1840.4	0.00	6.00	0	1074.7
9/17/22 12:28	122.95	75.36	514.3	0.0	1840.4	0.00	6.00	0	1077.0
9/17/22 12:29	122.94	75.69	514.3	0.0	1841.2	0.00	6.00	0	1077.0
9/17/22 12:30	122.87	75.67	514.9	0.0	1842.1	0.00	6.00	0	1076.3
9/17/22 12:31	123.04	75.68	514.3	0.0	1840.8	0.00	6.00	0	1077.8
9/17/22 12:32	123.00	75.71	514.5	0.0	1841.4	0.00	6.00	0	1077.5
9/17/22 12:33	123.22	75.36	514.9	0.0	1841.5	0.00	6.00	0	1079.4
9/17/22 12:34	123.17	75.71	514.3	0.0	1840.1	0.00	6.00	0	1079.0
9/17/22 12:35	123.28	75.42	513.9	0.0	1839.5	0.00	6.00	0	1079.9
9/17/22 12:36	123.57	75.75	515.9	0.0	1844.5	0.00	6.00	0	1082.5
9/17/22 12:37	123.61	75.42	515.8	0.0	1844.7	0.00	6.00	0	1082.9
9/17/22 12:38	123.80	75.51	515.7	0.0	1844.0	0.00	6.00	0	1084.5
9/17/22 12:39	123.57	75.04	515.7	0.0	1844.8	0.00	6.00	0	1082.4
9/17/22 12:40	123.50	75.47	515.9	0.0	1844.1	0.00	6.00	0	1081.9
9/17/22 12:41	123.52	75.56	516.8	0.0	1845.4	0.00	6.00	0	1082.0
9/17/22 12:42	123.63	75.57	516.8	0.0	1845.0	0.00	6.00	0	1083.0
9/17/22 12:43	123.56	75.67	515.5	0.0	1842.6	0.00	6.00	0	1082.4
9/17/22 12:44	123.53	75.66	515.9	0.0	1843.2	0.00	6.00	0	1082.1
9/17/22 12:45	123.57	75.47	516.8	0.0	1845.2	0.00	6.00	0	1082.5
9/17/22 12:46	123.76	75.08	516.9	0.0	1846.2	0.00	6.00	0	1084.1

9/17/22 12:47	123.90	75.54	517.4	0.0	1847.3	0.00	6.00	0	1085.4
9/17/22 12:48	124.12	75.48	516.0	0.0	1844.2	0.00	6.00	0	1087.3
9/17/22 12:49	124.00	75.40	515.3	0.0	1841.9	0.00	6.00	0	1086.3
9/17/22 12:50	123.94	75.70	514.8	0.0	1841.4	0.00	6.00	0	1085.7
9/17/22 12:51	123.86	75.53	515.3	0.0	1842.4	0.00	6.00	0	1085.1
9/17/22 12:52	124.00	75.67	514.3	0.0	1840.4	0.00	6.00	0	1086.3
9/17/22 12:53	124.26	75.76	516.1	0.0	1844.7	0.00	6.00	0	1088.5
9/17/22 12:54	124.13	75.50	515.4	0.0	1843.1	0.00	6.00	0	1087.4
9/17/22 12:55	123.96	75.03	515.0	0.0	1842.4	0.00	6.00	0	1085.9
9/17/22 12:56	123.80	75.62	515.3	0.0	1842.3	0.00	6.00	0	1084.5
9/17/22 12:57	123.80	75.61	515.0	0.0	1842.0	0.00	6.00	0	1084.5
9/17/22 12:58	123.39	75.44	515.1	0.0	1842.1	0.00	6.00	0	1080.9
9/17/22 12:59	123.48	75.36	514.4	0.0	1840.8	0.00	6.00	0	1081.7
9/17/22 13:00	123.61	75.31	515.1	0.0	1841.5	0.00	6.00	0	1082.9
9/17/22 13:01	123.72	75.62	515.5	0.0	1843.0	0.00	6.00	0	1083.8
9/17/22 13:02	123.52	75.58	516.1	0.0	1844.6	0.00	6.00	0	1082.0
9/17/22 13:03	123.37	75.59	516.9	0.0	1846.4	0.00	6.00	0	1080.7
9/17/22 13:04	123.27	75.47	516.7	0.0	1846.1	0.00	6.00	0	1079.9
9/17/22 13:05	123.22	75.80	516.1	0.0	1844.5	0.00	6.00	0	1079.4
9/17/22 13:06	123.22	75.59	515.5	0.0	1842.7	0.00	6.00	0	1079.4
9/17/22 13:07	123.22	75.70	515.5	0.0	1842.8	0.00	6.00	0	1079.4
9/17/22 13:08	123.66	75.62	515.5	0.0	1843.2	0.00	6.00	0	1083.2
9/17/22 13:09	123.91	75.68	515.5	0.0	1843.6	0.00	6.00	0	1085.4
9/17/22 13:10	123.91	75.40	515.9	0.0	1844.6	0.00	6.00	0	1085.5
9/17/22 13:11	123.66	75.64	515.4	0.0	1843.1	0.00	6.00	0	1083.3
9/17/22 13:12	123.97	75.71	515.6	0.0	1843.9	0.00	6.00	0	1086.0
9/17/22 13:13	123.47	75.35	515.5	0.0	1842.9	0.00	6.00	0	1081.6
9/17/22 13:14	123.52	75.49	517.1	0.0	1846.7	0.00	6.00	0	1082.1
9/17/22 13:15	123.37	75.56	517.2	0.0	1846.8	0.00	6.00	0	1080.7
9/17/22 13:16	123.37	75.53	515.9	0.0	1843.9	0.00	6.00	0	1080.7
9/17/22 13:17	123.47	75.57	516.6	0.0	1845.1	0.00	6.00	0	1081.6
9/17/22 13:18	123.52	75.41	516.3	0.0	1845.1	0.00	6.00	0	1082.0
9/17/22 13:19	123.71	75.79	516.6	0.0	1844.7	0.00	6.00	0	1083.7
9/17/22 13:20	124.02	75.33	516.9	0.0	1846.7	0.00	6.00	0	1086.4
9/17/22 13:21	124.26	75.38	517.7	0.0	1847.6	0.00	6.00	0	1088.5
9/17/22 13:22	124.16	75.46	517.5	0.0	1846.8	0.00	6.00	0	1087.7
9/17/22 13:23	124.12	75.42	516.2	0.0	1844.0	0.00	6.00	0	1087.3
9/17/22 13:24	123.80	75.78	515.7	0.0	1843.8	0.00	6.00	0	1084.5
9/17/22 13:25	123.97	75.49	516.3	0.0	1844.3	0.00	6.00	0	1086.0
9/17/22 13:26	124.03	75.48	515.3	0.0	1842.4	0.00	6.00	0	1086.5
9/17/22 13:27	124.17	75.54	514.9	0.0	1842.4	0.00	6.00	0	1087.7
9/17/22 13:28	124.16	75.58	515.5	0.0	1842.5	0.00	6.00	0	1087.7
9/17/22 13:29	124.13	75.42	515.7	0.0	1844.1	0.00	6.00	0	1087.4
9/17/22 13:30	124.07	75.67	515.5	0.0	1843.8	0.00	6.00	0	1086.9
9/17/22 13:31	124.12	75.82	515.7	0.0	1844.2	0.00	6.00	0	1087.3
9/17/22 13:32	124.13	75.47	516.8	0.0	1846.0	0.00	6.00	0	1087.4
9/17/22 13:33	124.21	75.55	517.9	0.0	1847.0	0.00	6.00	0	1088.1
9/17/22 13:34	123.71	75.57	516.8	0.0	1845.7	0.00	6.00	0	1083.7
9/17/22 13:35	123.66	75.46	516.9	0.0	1846.2	0.00	6.00	0	1083.3
9/17/22 13:36	124.02	75.50	516.9	0.0	1846.2	0.00	6.00	0	1086.4
9/17/22 13:37	123.96	75.50	517.4	0.0	1847.4	0.00	6.00	0	1085.9
9/17/22 13:38	123.52	75.45	516.9	0.0	1846.2	0.00	6.00	0	1082.1
9/17/22 13:39	123.47	75.63	517.0	0.0	1846.2	0.00	6.00	0	1081.6
9/17/22 13:40	123.66	75.44	517.5	0.0	1847.0	0.00	6.00	0	1083.3
9/17/22 13:41	123.52	75.62	517.5	0.0	1846.4	0.00	6.00	0	1082.0
9/17/22 13:42	123.47	75.53	516.8	0.0	1845.8	0.00	6.00	0	1081.6
9/17/22 13:43	123.57	75.57	516.8	0.0	1845.9	0.00	6.00	0	1082.5
9/17/22 13:44	123.57	75.33	517.5	0.0	1847.4	0.00	6.00	0	1082.5
9/17/22 13:45	123.75	75.60	516.8	0.0	1845.3	0.00	6.00	0	1084.0
9/17/22 13:46	123.72	75.57	516.7	0.0	1845.0	0.00	6.00	0	1083.8
9/17/22 13:47	123.52	75.48	516.8	0.0	1845.0	0.00	6.00	0	1082.1
9/17/22 13:48	123.67	75.46	516.8	0.0	1845.5	0.00	6.00	0	1083.3
9/17/22 13:49	123.52	75.60	516.8	0.0	1845.9	0.00	6.00	0	1082.1
9/17/22 13:50	123.56	75.52	517.0	0.0	1845.9	0.00	6.00	0	1082.4
9/17/22 13:51	123.79	75.70	517.3	0.0	1847.0	0.00	6.00	0	1084.4
9/17/22 13:52	123.53	75.46	517.3	0.0	1846.8	0.00	6.00	0	1082.2
9/17/22 13:53	123.41	75.52	516.8	0.0	1846.7	0.00	6.00	0	1081.1
9/17/22 13:54	123.42	75.32	516.9	0.0	1846.3	0.00	6.00	0	1081.1
9/17/22 13:55	123.38	75.37	517.7	0.0	1847.0	0.00	6.00	0	1080.8
9/17/22 13:56	123.42	75.81	517.3	0.0	1846.2	0.00	6.00	0	1081.1
9/17/22 13:57	123.47	75.66	516.7	0.0	1845.4	0.00	6.00	0	1081.6
9/17/22 13:58	123.52	75.86	516.8	0.0	1846.0	0.00	6.00	0	1082.1

9/17/22 13:59	123.52	75.64	516.7	0.0	1846.2	0.00	6.00	0	1082.1
9/17/22 14:00	123.52	75.42	516.9	0.0	1846.7	0.00	6.00	0	1082.1
9/17/22 14:01	123.52	75.51	516.3	0.0	1845.3	0.00	6.00	0	1082.1
9/17/22 14:02	123.57	75.34	516.8	0.0	1846.1	0.00	6.00	0	1082.4
9/17/22 14:03	123.62	75.64	516.7	0.0	1845.9	0.00	6.00	0	1082.9
9/17/22 14:04	123.53	75.28	516.8	0.0	1845.8	0.00	6.00	0	1082.1
9/17/22 14:05	123.52	75.38	517.1	0.0	1846.5	0.00	6.00	0	1082.1
9/17/22 14:06	123.52	75.66	517.1	0.0	1845.6	0.00	6.00	0	1082.1
9/17/22 14:07	123.53	75.56	517.7	0.0	1847.0	0.00	6.00	0	1082.2
9/17/22 14:08	123.52	75.30	517.0	0.0	1846.3	0.00	6.00	0	1082.0
9/17/22 14:09	123.53	75.64	517.3	0.0	1847.0	0.00	6.00	0	1082.1
9/17/22 14:10	123.57	75.70	517.9	0.0	1848.9	0.00	6.00	0	1082.4
9/17/22 14:11	123.52	75.31	517.7	0.0	1847.3	0.00	6.00	0	1082.1
9/17/22 14:12	123.57	75.61	517.8	0.0	1847.1	0.00	6.00	0	1082.4
9/17/22 14:13	123.52	75.47	517.4	0.0	1846.2	0.00	6.00	0	1082.1
9/17/22 14:14	123.62	75.50	516.8	0.0	1845.2	0.00	6.00	0	1082.9
9/17/22 14:15	123.79	75.48	517.7	0.0	1847.1	0.00	6.00	0	1084.4
9/17/22 14:16	123.52	75.70	517.7	0.0	1847.3	0.00	6.00	0	1082.1
9/17/22 14:17	123.52	75.65	516.8	0.0	1845.5	0.00	6.00	0	1082.1
9/17/22 14:18	123.57	75.34	517.3	0.0	1847.3	0.00	6.00	0	1082.4
9/17/22 14:19	123.57	75.27	517.1	0.0	1846.5	0.00	6.00	0	1082.4
9/17/22 14:20	123.52	75.24	517.1	0.0	1846.4	0.00	6.00	0	1082.0
9/17/22 14:21	123.55	75.13	517.9	0.0	1848.2	0.00	6.00	0	1082.3
9/17/22 14:22	123.52	75.60	518.3	0.0	1849.0	0.00	6.00	0	1082.1
9/17/22 14:23	123.52	75.36	518.1	0.0	1848.1	0.00	6.00	0	1082.1
9/17/22 14:24	123.64	75.32	517.9	0.0	1848.6	0.00	6.00	0	1083.1
9/17/22 14:25	123.67	75.88	518.9	0.0	1849.9	0.00	6.00	0	1083.3
9/17/22 14:26	123.74	75.42	519.3	0.0	1851.2	0.00	6.00	0	1084.0
9/17/22 14:27	123.66	75.61	519.1	0.0	1850.4	0.00	6.00	0	1083.3
9/17/22 14:28	123.80	75.31	518.9	0.0	1850.2	0.00	6.00	0	1084.5
9/17/22 14:29	123.67	75.76	517.9	0.0	1848.0	0.00	6.00	0	1083.3
9/17/22 14:30	123.66	75.31	518.0	0.0	1847.6	0.00	6.00	0	1083.2
9/17/22 14:31	123.72	75.60	517.7	0.0	1847.0	0.00	6.00	0	1083.8
9/17/22 14:32	123.75	75.33	516.9	0.0	1846.1	0.00	6.00	0	1084.0
9/17/22 14:33	123.79	75.37	516.0	0.0	1844.9	0.00	6.00	0	1084.4
9/17/22 14:34	123.79	75.58	516.8	0.0	1846.2	0.00	6.00	0	1084.4
9/17/22 14:35	123.68	75.60	516.8	0.0	1845.8	0.00	6.00	0	1083.4
9/17/22 14:36	123.52	75.64	516.7	0.0	1845.5	0.00	6.00	0	1082.0
9/17/22 14:37	123.57	75.44	516.8	0.0	1845.8	0.00	6.00	0	1082.4
9/17/22 14:38	123.56	75.50	516.9	0.0	1845.9	0.00	6.00	0	1082.4
9/17/22 14:39	123.72	75.35	517.5	0.0	1846.7	0.00	6.00	0	1083.8
9/17/22 14:40	123.74	75.44	517.1	0.0	1845.9	0.00	6.00	0	1084.0
9/17/22 14:41	123.79	75.74	517.9	0.0	1848.0	0.00	6.00	0	1084.4
9/17/22 14:42	123.79	75.51	517.9	0.0	1848.4	0.00	6.00	0	1084.4
9/17/22 14:43	123.80	75.55	517.9	0.0	1848.9	0.00	6.00	0	1084.5
9/17/22 14:44	124.27	75.79	517.9	0.0	1848.4	0.00	6.00	0	1088.6
9/17/22 14:45	124.36	75.19	518.0	0.0	1848.4	0.00	6.00	0	1089.4
9/17/22 14:46	124.40	75.45	517.9	0.0	1848.7	0.00	6.00	0	1089.7
9/17/22 14:47	124.32	75.41	518.1	0.0	1849.0	0.00	6.00	0	1089.0
9/17/22 14:48	124.40	75.36	518.1	0.0	1849.1	0.00	6.00	0	1089.7
9/17/22 14:49	124.40	75.83	517.9	0.0	1848.6	0.00	6.00	0	1089.7
9/17/22 14:50	124.48	75.31	519.1	0.0	1851.2	0.00	6.00	0	1090.4
9/17/22 14:51	124.44	75.47	519.1	0.0	1851.1	0.00	6.00	0	1090.1
9/17/22 14:52	124.44	75.42	518.9	0.0	1850.5	0.00	6.00	0	1090.1
9/17/22 14:53	124.40	75.09	517.9	0.0	1849.2	0.00	6.00	0	1089.7
9/17/22 14:54	124.35	75.50	518.5	0.0	1848.7	0.00	6.00	0	1089.3
9/17/22 14:55	124.26	75.52	517.9	0.0	1847.6	0.00	6.00	0	1088.5
9/17/22 14:56	124.34	75.43	517.9	0.0	1847.6	0.00	6.00	0	1089.2
9/17/22 14:57	124.26	75.60	517.5	0.0	1846.8	0.00	6.00	0	1088.5
9/17/22 14:58	124.40	75.52	517.5	0.0	1847.4	0.00	6.00	0	1089.7
9/17/22 14:59	124.35	75.52	516.9	0.0	1846.3	0.00	6.00	0	1089.3
9/17/22 15:00	124.60	75.29	516.8	0.0	1845.2	0.00	6.00	0	1091.5
9/17/22 15:01	124.59	75.63	516.8	0.0	1845.9	0.00	6.00	0	1091.4
9/17/22 15:02	124.96	76.05	517.7	0.0	1847.0	0.00	6.00	0	1094.6
9/17/22 15:03	125.01	75.47	517.3	0.0	1847.0	0.00	6.00	0	1095.1
9/17/22 15:04	125.23	75.82	517.8	0.0	1847.6	0.00	6.00	0	1097.0
9/17/22 15:05	124.91	75.79	517.9	0.0	1848.2	0.00	6.00	0	1094.3
9/17/22 15:06	124.40	75.45	517.8	0.0	1848.9	0.00	6.00	0	1089.7
9/17/22 15:07	124.27	75.42	517.9	0.0	1847.7	0.00	6.00	0	1088.6
9/17/22 15:08	124.64	75.62	517.7	0.0	1847.0	0.00	6.00	0	1091.8
9/17/22 15:09	124.40	75.68	517.9	0.0	1848.6	0.00	6.00	0	1089.7
9/17/22 15:10	124.26	75.50	517.9	0.0	1847.3	0.00	6.00	0	1088.5

9/17/22 15:11	124.46	75.44	517.9	0.0	1848.0	0.00	6.00	0	1090.3
9/17/22 15:12	124.30	75.72	518.1	0.0	1848.6	0.00	6.00	0	1088.9
9/17/22 15:13	124.30	75.29	518.7	0.0	1848.9	0.00	6.00	0	1088.9
9/17/22 15:14	124.18	75.74	518.1	0.0	1848.4	0.00	6.00	0	1087.8
9/17/22 15:15	123.95	75.76	517.6	0.0	1846.7	0.00	6.00	0	1085.8
9/17/22 15:16	123.80	75.06	516.6	0.0	1845.2	0.00	6.00	0	1084.5
9/17/22 15:17	124.04	75.33	515.7	0.0	1843.9	0.00	6.00	0	1086.6
9/17/22 15:18	124.01	75.46	515.5	0.0	1843.1	0.00	6.00	0	1086.3
9/17/22 15:19	124.21	75.82	516.1	0.0	1844.2	0.00	6.00	0	1088.1
9/17/22 15:20	124.12	75.51	516.1	0.0	1843.9	0.00	6.00	0	1087.3
9/17/22 15:21	124.21	75.76	516.1	0.0	1844.8	0.00	6.00	0	1088.1
9/17/22 15:22	124.35	75.75	516.7	0.0	1845.8	0.00	6.00	0	1089.3
9/17/22 15:23	124.40	75.10	516.4	0.0	1845.6	0.00	6.00	0	1089.7
9/17/22 15:24	124.49	75.22	516.8	0.0	1846.2	0.00	6.00	0	1090.6
9/17/22 15:25	124.40	75.76	516.8	0.0	1845.4	0.00	6.00	0	1089.8
9/17/22 15:26	124.40	75.42	516.7	0.0	1845.2	0.00	6.00	0	1089.7
9/17/22 15:27	124.35	75.22	516.8	0.0	1845.7	0.00	6.00	0	1089.3
9/17/22 15:28	124.44	75.28	516.8	0.0	1845.8	0.00	6.00	0	1090.1
9/17/22 15:29	124.40	75.48	516.8	0.0	1845.2	0.00	6.00	0	1089.7
9/17/22 15:30	124.40	75.50	516.3	0.0	1844.6	0.00	6.00	0	1089.7
9/17/22 15:31	124.27	75.42	516.7	0.0	1845.2	0.00	6.00	0	1088.6
9/17/22 15:32	124.25	75.72	516.8	0.0	1845.5	0.00	6.00	0	1088.4
9/17/22 15:33	124.16	75.41	516.9	0.0	1846.1	0.00	6.00	0	1087.7
9/17/22 15:34	124.16	75.52	516.8	0.0	1845.1	0.00	6.00	0	1087.7
9/17/22 15:35	124.12	75.82	516.7	0.0	1844.4	0.00	6.00	0	1087.3
9/17/22 15:36	124.13	75.57	516.8	0.0	1845.2	0.00	6.00	0	1087.4
9/17/22 15:37	123.90	75.42	516.7	0.0	1845.0	0.00	6.00	0	1085.3
9/17/22 15:38	123.80	75.76	516.8	0.0	1845.9	0.00	6.00	0	1084.5
9/17/22 15:39	123.81	75.34	516.6	0.0	1845.9	0.00	6.00	0	1084.6
9/17/22 15:40	123.71	75.57	516.8	0.0	1845.0	0.00	6.00	0	1083.7
9/17/22 15:41	123.78	75.44	516.8	0.0	1845.6	0.00	6.00	0	1084.3
9/17/22 15:42	123.83	75.36	516.3	0.0	1844.7	0.00	6.00	0	1084.8
9/17/22 15:43	123.62	75.64	516.1	0.0	1844.5	0.00	6.00	0	1082.9
9/17/22 15:44	123.60	75.59	515.9	0.0	1844.0	0.00	6.00	0	1082.8
9/17/22 15:45	123.61	75.32	515.5	0.0	1843.6	0.00	6.00	0	1082.8
9/17/22 15:46	123.58	75.75	515.5	0.0	1842.0	0.00	6.00	0	1082.6
9/17/22 15:47	123.52	75.63	515.1	0.0	1842.2	0.00	6.00	0	1082.1
9/17/22 15:48	123.52	75.56	514.3	0.0	1841.4	0.00	6.00	0	1082.0
9/17/22 15:49	124.02	76.14	515.3	0.0	1843.9	0.00	6.00	0	1086.4
9/17/22 15:50	124.00	75.82	515.5	0.0	1844.3	0.00	6.00	0	1086.2
9/17/22 15:51	123.57	75.50	514.5	0.0	1840.7	0.00	6.00	0	1082.5
9/17/22 15:52	123.53	75.70	514.3	0.0	1840.1	0.00	6.00	0	1082.1
9/17/22 15:53	123.57	75.64	514.3	0.0	1840.1	0.00	6.00	0	1082.4
9/17/22 15:54	123.71	75.40	513.9	0.0	1840.1	0.00	6.00	0	1083.7
9/17/22 15:55	123.76	75.44	513.7	0.0	1840.1	0.00	6.00	0	1084.1
9/17/22 15:56	123.72	75.34	513.1	0.0	1839.2	0.00	6.00	0	1083.8
9/17/22 15:57	123.86	75.78	513.7	0.0	1839.9	0.00	6.00	0	1085.0
9/17/22 15:58	123.81	75.36	513.3	0.0	1839.2	0.00	6.00	0	1084.6
Run 2 End - FO	**123.81**	**75.52**	**516.55**	**0.00**	**1845.28**	**0.00**	**6.00**	**0**	**1084.6**
Run 3 Start - FO									
9/19/22 07:31	120.61	73.85	501.6	0.0	1804.4	0.00	6.00	0	1056.5
9/19/22 07:32	120.58	73.45	501.4	0.0	1804.4	0.00	6.00	0	1056.3
9/19/22 07:33	120.71	73.88	501.4	0.0	1804.8	0.00	6.00	0	1057.4
9/19/22 07:34	120.67	73.61	501.4	0.0	1804.7	0.00	6.00	0	1057.0
9/19/22 07:35	120.68	73.82	501.4	0.0	1804.9	0.00	6.00	0	1057.1
9/19/22 07:36	120.62	73.94	501.4	0.0	1804.4	0.00	6.00	0	1056.7
9/19/22 07:37	120.62	73.65	501.4	0.0	1803.9	0.00	6.00	0	1056.7
9/19/22 07:38	120.46	74.12	501.4	0.0	1804.2	0.00	6.00	0	1055.2
9/19/22 07:39	120.86	73.60	501.4	0.0	1804.1	0.00	6.00	0	1058.7
9/19/22 07:40	120.76	73.82	501.4	0.0	1804.2	0.00	6.00	0	1057.9
9/19/22 07:41	120.66	73.27	501.4	0.0	1804.8	0.00	6.00	0	1057.0
9/19/22 07:42	120.25	74.08	501.5	0.0	1804.7	0.00	6.00	0	1053.4
9/19/22 07:43	120.08	73.97	501.4	0.0	1804.2	0.00	6.00	0	1051.9
9/19/22 07:44	120.20	73.69	501.4	0.0	1804.4	0.00	6.00	0	1053.0
9/19/22 07:45	120.09	73.64	501.4	0.0	1804.4	0.00	6.00	0	1051.9
9/19/22 07:46	120.18	73.70	501.4	0.0	1803.5	0.00	6.00	0	1052.8
9/19/22 07:47	119.93	73.73	501.4	0.0	1803.8	0.00	6.00	0	1050.6
9/19/22 07:48	120.16	73.57	501.4	0.0	1803.4	0.00	6.00	0	1052.6
9/19/22 07:49	120.36	73.65	501.4	0.0	1803.2	0.00	6.00	0	1054.4
9/19/22 07:50	120.23	73.58	501.2	0.0	1803.2	0.00	6.00	0	1053.2
9/19/22 07:51	120.12	73.38	501.4	0.0	1803.3	0.00	6.00	0	1052.2

9/19/22 07:52	120.08	73.85	500.6	0.0	1803.2	0.00	6.00	0	1051.9
9/19/22 07:53	120.29	73.99	500.8	0.0	1803.2	0.00	6.00	0	1053.7
9/19/22 07:54	120.09	73.88	500.4	0.0	1802.8	0.00	6.00	0	1052.0
9/19/22 07:55	119.94	73.75	500.6	0.0	1802.7	0.00	6.00	0	1050.7
9/19/22 07:56	120.29	73.52	500.8	0.0	1802.9	0.00	6.00	0	1053.8
9/19/22 07:57	120.21	73.90	501.0	0.0	1803.2	0.00	6.00	0	1053.0
9/19/22 07:58	120.55	73.88	501.2	0.0	1803.3	0.00	6.00	0	1056.0
9/19/22 07:59	120.82	73.74	500.8	0.0	1803.4	0.00	6.00	0	1058.4
9/19/22 08:00	120.82	73.37	500.9	0.0	1803.3	0.00	6.00	0	1058.4
9/19/22 08:01	120.81	73.88	501.2	0.0	1803.5	0.00	6.00	0	1058.3
9/19/22 08:02	120.67	73.89	501.2	0.0	1803.2	0.00	6.00	0	1057.1
9/19/22 08:03	120.40	73.68	501.2	0.0	1803.2	0.00	6.00	0	1054.7
9/19/22 08:04	120.32	73.41	501.4	0.0	1803.2	0.00	6.00	0	1054.0
9/19/22 08:05	120.56	73.51	501.0	0.0	1802.8	0.00	6.00	0	1056.1
9/19/22 08:06	119.88	73.42	501.2	0.0	1803.4	0.00	6.00	0	1050.1
9/19/22 08:07	119.60	73.30	500.9	0.0	1803.4	0.00	6.00	0	1047.7
9/19/22 08:08	120.16	73.50	501.4	0.0	1803.7	0.00	6.00	0	1052.6
9/19/22 08:09	120.78	73.50	501.4	0.0	1804.1	0.00	6.00	0	1058.0
9/19/22 08:10	120.76	73.91	501.3	0.0	1803.3	0.00	6.00	0	1057.9
9/19/22 08:11	120.18	73.42	501.1	0.0	1803.6	0.00	6.00	0	1052.8
9/19/22 08:12	120.29	73.65	501.4	0.0	1804.2	0.00	6.00	0	1053.8
9/19/22 08:13	120.16	73.49	501.4	0.0	1804.8	0.00	6.00	0	1052.6
9/19/22 08:14	120.40	73.54	501.6	0.0	1805.7	0.00	6.00	0	1054.7
9/19/22 08:15	120.50	73.74	502.2	0.0	1805.8	0.00	6.00	0	1055.6
9/19/22 08:16	120.25	73.82	502.6	0.0	1806.1	0.00	6.00	0	1053.4
9/19/22 08:17	120.46	73.61	502.6	0.0	1806.0	0.00	6.00	0	1055.2
9/19/22 08:18	120.20	73.46	501.8	0.0	1805.6	0.00	6.00	0	1052.9
9/19/22 08:19	120.04	73.81	502.2	0.0	1805.9	0.00	6.00	0	1051.5
9/19/22 08:20	120.16	73.71	502.6	0.0	1805.8	0.00	6.00	0	1052.6
9/19/22 08:21	120.29	73.66	502.6	0.0	1805.6	0.00	6.00	0	1053.8
9/19/22 08:22	120.07	73.43	502.6	0.0	1805.8	0.00	6.00	0	1051.8
9/19/22 08:23	120.38	73.61	502.6	0.0	1806.0	0.00	6.00	0	1054.5
9/19/22 08:24	119.74	73.59	502.6	0.0	1806.1	0.00	6.00	0	1049.0
9/19/22 08:25	119.88	73.68	502.6	0.0	1806.4	0.00	6.00	0	1050.1
9/19/22 08:26	120.04	73.47	502.6	0.0	1806.6	0.00	6.00	0	1051.5
9/19/22 08:27	120.35	73.62	502.6	0.0	1806.1	0.00	6.00	0	1054.2
9/19/22 08:28	120.32	73.67	502.6	0.0	1806.7	0.00	6.00	0	1054.0
9/19/22 08:29	120.37	73.54	502.7	0.0	1807.1	0.00	6.00	0	1054.5
9/19/22 08:30	120.38	73.54	502.7	0.0	1807.6	0.00	6.00	0	1054.5
9/19/22 08:31	119.89	73.76	502.6	0.0	1807.5	0.00	6.00	0	1050.2
9/19/22 08:32	119.79	74.23	502.6	0.0	1807.6	0.00	6.00	0	1049.4
9/19/22 08:33	119.99	73.71	502.9	0.0	1807.8	0.00	6.00	0	1051.1
9/19/22 08:34	120.08	73.66	503.5	0.0	1808.5	0.00	6.00	0	1051.9
9/19/22 08:35	119.99	73.89	503.7	0.0	1808.0	0.00	6.00	0	1051.1
9/19/22 08:36	119.88	73.94	503.5	0.0	1807.6	0.00	6.00	0	1050.2
9/19/22 08:37	119.94	73.44	503.2	0.0	1807.6	0.00	6.00	0	1050.7
9/19/22 08:38	119.88	73.49	503.2	0.0	1807.6	0.00	6.00	0	1050.2
9/19/22 08:39	119.96	73.76	503.5	0.0	1807.9	0.00	6.00	0	1050.9
9/19/22 08:40	121.01	73.65	503.3	0.0	1807.9	0.00	6.00	0	1060.0
9/19/22 08:41	120.93	73.76	503.4	0.0	1808.2	0.00	6.00	0	1059.3
9/19/22 08:42	120.82	74.16	503.3	0.0	1807.8	0.00	6.00	0	1058.4
9/19/22 08:43	120.12	73.78	503.3	0.0	1807.4	0.00	6.00	0	1052.3
9/19/22 08:44	120.16	73.38	503.3	0.0	1808.2	0.00	6.00	0	1052.6
9/19/22 08:45	120.56	73.69	503.7	0.0	1808.5	0.00	6.00	0	1056.1
9/19/22 08:46	120.21	73.47	503.7	0.0	1809.1	0.00	6.00	0	1053.1
9/19/22 08:47	120.34	73.80	503.7	0.0	1809.3	0.00	6.00	0	1054.1
9/19/22 08:48	120.90	73.44	503.7	0.0	1808.9	0.00	6.00	0	1059.1
9/19/22 08:49	120.73	73.57	503.7	0.0	1809.1	0.00	6.00	0	1057.6
9/19/22 08:50	120.46	73.89	503.7	0.0	1809.1	0.00	6.00	0	1055.2
9/19/22 08:51	120.76	73.90	503.7	0.0	1808.8	0.00	6.00	0	1057.9
9/19/22 08:52	120.29	73.70	503.7	0.0	1808.5	0.00	6.00	0	1053.8
9/19/22 08:53	120.25	73.62	503.7	0.0	1808.5	0.00	6.00	0	1053.4
9/19/22 08:54	120.67	73.46	503.7	0.0	1808.2	0.00	6.00	0	1057.1
9/19/22 08:55	121.05	73.41	503.7	0.0	1808.5	0.00	6.00	0	1060.4
9/19/22 08:56	121.20	73.35	503.5	0.0	1808.2	0.00	6.00	0	1061.7
9/19/22 08:57	121.20	73.91	503.7	0.0	1809.0	0.00	6.00	0	1061.7
9/19/22 08:58	120.95	73.71	503.7	0.0	1808.5	0.00	6.00	0	1059.5
9/19/22 08:59	120.75	73.56	503.5	0.0	1807.9	0.00	6.00	0	1057.8
9/19/22 09:00	120.26	73.55	503.7	0.0	1808.5	0.00	6.00	0	1053.5
9/19/22 09:01	121.11	73.75	503.7	0.0	1808.4	0.00	6.00	0	1060.9
9/19/22 09:02	121.15	73.69	503.7	0.0	1809.1	0.00	6.00	0	1061.3
9/19/22 09:03	120.51	73.96	503.8	0.0	1809.9	0.00	6.00	0	1055.7

9/19/22 09:04	120.87	73.75	503.7	0.0	1809.5	0.00	6.00	0	1058.8
9/19/22 09:05	121.06	73.30	503.7	0.0	1809.7	0.00	6.00	0	1060.5
9/19/22 09:06	121.06	73.70	504.1	0.0	1810.2	0.00	6.00	0	1060.5
9/19/22 09:07	121.09	73.84	504.7	0.0	1810.7	0.00	6.00	0	1060.7
9/19/22 09:08	120.46	73.82	504.7	0.0	1810.3	0.00	6.00	0	1055.2
9/19/22 09:09	120.29	73.68	504.9	0.0	1811.0	0.00	6.00	0	1053.8
9/19/22 09:10	120.46	73.39	504.5	0.0	1810.2	0.00	6.00	0	1055.2
9/19/22 09:11	120.71	73.71	504.7	0.0	1810.3	0.00	6.00	0	1057.5
9/19/22 09:12	120.76	73.72	504.9	0.0	1811.1	0.00	6.00	0	1057.9
9/19/22 09:13	120.81	73.69	504.5	0.0	1810.7	0.00	6.00	0	1058.3
9/19/22 09:14	121.01	73.76	504.7	0.0	1811.0	0.00	6.00	0	1060.0
9/19/22 09:15	120.90	73.38	504.9	0.0	1811.1	0.00	6.00	0	1059.1
9/19/22 09:16	121.11	73.57	504.9	0.0	1811.2	0.00	6.00	0	1060.9
9/19/22 09:17	120.92	73.79	504.9	0.0	1811.1	0.00	6.00	0	1059.3
9/19/22 09:18	120.86	73.77	505.3	0.0	1811.9	0.00	6.00	0	1058.7
9/19/22 09:19	121.15	73.44	504.9	0.0	1811.1	0.00	6.00	0	1061.3
9/19/22 09:20	121.15	73.83	505.1	0.0	1811.9	0.00	6.00	0	1061.3
9/19/22 09:21	121.16	73.85	504.9	0.0	1812.0	0.00	6.00	0	1061.4
9/19/22 09:22	121.11	73.59	504.9	0.0	1811.6	0.00	6.00	0	1060.9
9/19/22 09:23	120.71	73.94	504.9	0.0	1810.7	0.00	6.00	0	1057.5
9/19/22 09:24	120.95	73.76	504.8	0.0	1809.9	0.00	6.00	0	1059.5
9/19/22 09:25	121.53	73.46	504.7	0.0	1809.9	0.00	6.00	0	1064.6
9/19/22 09:26	121.64	73.71	504.7	0.0	1810.1	0.00	6.00	0	1065.5
9/19/22 09:27	121.48	73.88	503.9	0.0	1809.4	0.00	6.00	0	1064.2
9/19/22 09:28	121.43	73.44	504.5	0.0	1809.9	0.00	6.00	0	1063.8
9/19/22 09:29	121.45	73.42	504.4	0.0	1809.9	0.00	6.00	0	1063.9
9/19/22 09:30	121.24	73.53	504.3	0.0	1810.1	0.00	6.00	0	1062.1
9/19/22 09:31	121.70	73.47	504.9	0.0	1810.0	0.00	6.00	0	1066.1
9/19/22 09:32	121.65	73.96	504.7	0.0	1810.4	0.00	6.00	0	1065.6
9/19/22 09:33	121.07	73.46	504.5	0.0	1809.4	0.00	6.00	0	1060.6
9/19/22 09:34	121.25	73.66	504.3	0.0	1809.4	0.00	6.00	0	1062.2
9/19/22 09:35	121.01	73.57	504.3	0.0	1809.5	0.00	6.00	0	1060.0
9/19/22 09:36	121.55	73.50	504.5	0.0	1810.1	0.00	6.00	0	1064.8
9/19/22 09:37	121.72	73.66	504.7	0.0	1810.2	0.00	6.00	0	1066.2
9/19/22 09:38	121.03	73.71	504.9	0.0	1810.4	0.00	6.00	0	1060.2
9/19/22 09:39	121.11	73.91	504.7	0.0	1810.1	0.00	6.00	0	1060.9
9/19/22 09:40	120.62	73.67	504.3	0.0	1809.6	0.00	6.00	0	1056.6
9/19/22 09:41	120.70	73.78	504.9	0.0	1810.2	0.00	6.00	0	1057.3
9/19/22 09:42	120.51	73.82	504.9	0.0	1810.6	0.00	6.00	0	1055.6
9/19/22 09:43	120.71	73.48	504.9	0.0	1810.4	0.00	6.00	0	1057.4
9/19/22 09:44	121.25	73.81	504.9	0.0	1810.1	0.00	6.00	0	1062.2
9/19/22 09:45	121.15	73.44	504.9	0.0	1810.8	0.00	6.00	0	1061.3
9/19/22 09:46	120.45	73.41	505.9	0.0	1812.8	0.00	6.00	0	1055.2
9/19/22 09:47	120.67	73.85	506.1	0.0	1812.7	0.00	6.00	0	1057.0
9/19/22 09:48	120.86	73.79	505.5	0.0	1811.4	0.00	6.00	0	1058.7
9/19/22 09:49	120.96	73.82	505.6	0.0	1811.1	0.00	6.00	0	1059.6
9/19/22 09:50	120.85	73.59	506.1	0.0	1812.6	0.00	6.00	0	1058.7
9/19/22 09:51	120.86	73.68	506.1	0.0	1812.5	0.00	6.00	0	1058.7
9/19/22 09:52	120.13	73.78	506.2	0.0	1813.5	0.00	6.00	0	1052.4
9/19/22 09:53	120.31	74.05	506.3	0.0	1813.9	0.00	6.00	0	1053.9
9/19/22 09:54	120.37	73.44	506.1	0.0	1813.3	0.00	6.00	0	1054.4
9/19/22 09:55	120.27	73.74	506.1	0.0	1812.9	0.00	6.00	0	1053.6
9/19/22 09:56	120.57	73.32	506.1	0.0	1812.9	0.00	6.00	0	1056.2
9/19/22 09:57	120.57	73.82	506.3	0.0	1813.3	0.00	6.00	0	1056.2
9/19/22 09:58	120.57	73.81	506.5	0.0	1812.7	0.00	6.00	0	1056.2
9/19/22 09:59	120.59	73.36	507.1	0.0	1814.1	0.00	6.00	0	1056.3
9/19/22 10:00	120.32	73.26	506.9	0.0	1813.3	0.00	6.00	0	1054.0
9/19/22 10:01	120.26	73.89	506.5	0.0	1813.2	0.00	6.00	0	1053.4
9/19/22 10:02	120.46	73.74	507.1	0.0	1814.2	0.00	6.00	0	1055.2
9/19/22 10:03	120.23	73.52	507.4	0.0	1814.1	0.00	6.00	0	1053.2
9/19/22 10:04	120.08	73.55	507.1	0.0	1814.2	0.00	6.00	0	1051.9
9/19/22 10:05	120.39	73.48	507.1	0.0	1813.5	0.00	6.00	0	1054.6
9/19/22 10:06	120.22	73.59	507.4	0.0	1814.8	0.00	6.00	0	1053.1
9/19/22 10:07	120.09	73.63	507.3	0.0	1814.7	0.00	6.00	0	1051.9
9/19/22 10:08	120.76	73.84	507.4	0.0	1813.9	0.00	6.00	0	1057.8
9/19/22 10:09	120.36	73.96	507.3	0.0	1813.6	0.00	6.00	0	1054.4
9/19/22 10:10	120.90	73.90	507.3	0.0	1814.8	0.00	6.00	0	1059.1
9/19/22 10:11	120.29	73.82	507.2	0.0	1814.8	0.00	6.00	0	1053.8
9/19/22 10:12	120.71	73.93	507.1	0.0	1814.2	0.00	6.00	0	1057.4
9/19/22 10:13	120.67	73.55	507.1	0.0	1814.3	0.00	6.00	0	1057.1
9/19/22 10:14	120.50	73.72	507.3	0.0	1814.5	0.00	6.00	0	1055.6
9/19/22 10:15	119.98	73.59	507.5	0.0	1815.4	0.00	6.00	0	1051.0

9/19/22 10:16	119.79	73.45	507.5	0.0	1815.5	0.00	6.00	0	1049.4
9/19/22 10:17	119.93	73.67	507.6	0.0	1815.5	0.00	6.00	0	1050.6
9/19/22 10:18	120.04	73.85	508.4	0.0	1816.4	0.00	6.00	0	1051.5
9/19/22 10:19	120.26	73.54	508.4	0.0	1816.7	0.00	6.00	0	1053.5
9/19/22 10:20	119.93	73.72	508.4	0.0	1816.7	0.00	6.00	0	1050.6
9/19/22 10:21	119.94	73.68	508.3	0.0	1816.7	0.00	6.00	0	1050.7
9/19/22 10:22	119.84	73.46	508.4	0.0	1816.7	0.00	6.00	0	1049.8
9/19/22 10:23	119.84	73.71	508.4	0.0	1816.9	0.00	6.00	0	1049.8
9/19/22 10:24	119.88	73.70	508.6	0.0	1817.1	0.00	6.00	0	1050.2
9/19/22 10:25	120.08	73.64	508.4	0.0	1815.8	0.00	6.00	0	1051.9
9/19/22 10:26	120.08	73.28	508.3	0.0	1816.4	0.00	6.00	0	1051.9
9/19/22 10:27	120.04	73.88	508.4	0.0	1817.3	0.00	6.00	0	1051.5
9/19/22 10:28	119.99	73.97	508.4	0.0	1817.9	0.00	6.00	0	1051.1
9/19/22 10:29	120.07	73.72	508.4	0.0	1817.4	0.00	6.00	0	1051.8
9/19/22 10:30	120.05	73.57	508.4	0.0	1818.0	0.00	6.00	0	1051.7
9/19/22 10:31	120.12	73.95	508.8	0.0	1818.2	0.00	6.00	0	1052.3
9/19/22 10:32	120.57	73.49	508.6	0.0	1817.7	0.00	6.00	0	1056.2
9/19/22 10:33	120.04	73.99	508.6	0.0	1818.3	0.00	6.00	0	1051.6
9/19/22 10:34	119.98	73.50	509.3	0.0	1819.1	0.00	6.00	0	1051.0
9/19/22 10:35	120.08	73.56	509.6	0.0	1819.2	0.00	6.00	0	1051.9
9/19/22 10:36	120.04	73.87	509.6	0.0	1819.8	0.00	6.00	0	1051.5
9/19/22 10:37	120.02	73.94	509.5	0.0	1819.7	0.00	6.00	0	1051.4
9/19/22 10:38	120.51	73.41	510.2	0.0	1821.2	0.00	6.00	0	1055.6
9/19/22 10:39	120.56	73.84	510.8	0.0	1822.8	0.00	6.00	0	1056.1
9/19/22 10:40	120.50	73.77	511.0	0.0	1823.2	0.00	6.00	0	1055.6
9/19/22 10:41	121.11	73.96	511.3	0.0	1823.0	0.00	6.00	0	1060.9
9/19/22 10:42	120.72	73.78	510.9	0.0	1822.6	0.00	6.00	0	1057.5
9/19/22 10:43	121.01	73.74	510.8	0.0	1822.1	0.00	6.00	0	1060.1
9/19/22 10:44	120.77	73.15	510.8	0.0	1822.6	0.00	6.00	0	1057.9
9/19/22 10:45	120.81	73.62	510.8	0.0	1823.4	0.00	6.00	0	1058.3
9/19/22 10:46	120.46	73.59	511.0	0.0	1823.2	0.00	6.00	0	1055.2
9/19/22 10:47	120.81	73.48	510.8	0.0	1822.5	0.00	6.00	0	1058.3
9/19/22 10:48	120.77	73.66	510.8	0.0	1822.3	0.00	6.00	0	1057.9
9/19/22 10:49	120.71	73.54	510.8	0.0	1821.9	0.00	6.00	0	1057.5
9/19/22 10:50	120.81	73.49	510.8	0.0	1821.1	0.00	6.00	0	1058.3
9/19/22 10:51	121.25	73.69	510.8	0.0	1822.3	0.00	6.00	0	1062.2
9/19/22 10:52	121.48	73.82	511.6	0.0	1823.9	0.00	6.00	0	1064.1
9/19/22 10:53	120.89	73.38	511.9	0.0	1824.8	0.00	6.00	0	1059.0
9/19/22 10:54	120.67	73.68	511.9	0.0	1823.9	0.00	6.00	0	1057.0
9/19/22 10:55	121.06	73.53	511.9	0.0	1824.8	0.00	6.00	0	1060.5
9/19/22 10:56	121.36	73.83	511.9	0.0	1824.9	0.00	6.00	0	1063.1
9/19/22 10:57	121.43	73.68	512.3	0.0	1824.8	0.00	6.00	0	1063.8
9/19/22 10:58	121.26	73.64	511.9	0.0	1824.8	0.00	6.00	0	1062.2
9/19/22 10:59	121.15	73.64	511.9	0.0	1823.5	0.00	6.00	0	1061.3
9/19/22 11:00	121.64	73.61	511.7	0.0	1824.3	0.00	6.00	0	1065.5
9/19/22 11:01	121.13	73.65	511.6	0.0	1824.4	0.00	6.00	0	1061.1
9/19/22 11:02	120.85	73.85	510.9	0.0	1823.4	0.00	6.00	0	1058.6
9/19/22 11:03	120.18	73.86	511.7	0.0	1824.3	0.00	6.00	0	1052.8
Run 3 End - FO	**120.56**	**73.67**	**505.10**	**0.00**	**1811.15**	**0.00**	**6.00**	**0**	**1056.1**
Run 4 Start - FO									
9/19/22 11:32	120.62	73.55	507.2	0.0	1820.4	0.00	6.00	0	1056.6
9/19/22 11:33	120.32	73.79	507.3	0.0	1820.8	0.00	6.00	0	1054.0
9/19/22 11:34	119.94	73.38	507.3	0.0	1820.8	0.00	6.00	0	1050.7
9/19/22 11:35	120.03	73.67	507.3	0.0	1820.9	0.00	6.00	0	1051.5
9/19/22 11:36	120.41	73.67	507.3	0.0	1821.4	0.00	6.00	0	1054.8
9/19/22 11:37	120.62	73.96	507.4	0.0	1821.7	0.00	6.00	0	1056.6
9/19/22 11:38	120.37	73.48	507.3	0.0	1821.0	0.00	6.00	0	1054.5
9/19/22 11:39	120.22	73.61	506.5	0.0	1820.4	0.00	6.00	0	1053.1
9/19/22 11:40	120.25	73.73	507.3	0.0	1820.8	0.00	6.00	0	1053.4
9/19/22 11:41	120.41	73.94	507.4	0.0	1820.1	0.00	6.00	0	1054.8
9/19/22 11:42	120.67	73.81	506.9	0.0	1819.9	0.00	6.00	0	1057.0
9/19/22 11:43	120.67	73.82	507.1	0.0	1820.1	0.00	6.00	0	1057.1
9/19/22 11:44	120.37	73.35	506.9	0.0	1820.1	0.00	6.00	0	1054.5
9/19/22 11:45	120.12	73.80	507.1	0.0	1820.9	0.00	6.00	0	1052.3
9/19/22 11:46	119.89	73.33	507.4	0.0	1821.7	0.00	6.00	0	1050.2
9/19/22 11:47	119.89	73.31	507.3	0.0	1821.1	0.00	6.00	0	1050.2
9/19/22 11:48	120.08	74.03	507.3	0.0	1820.8	0.00	6.00	0	1051.9
9/19/22 11:49	120.36	73.59	507.3	0.0	1821.5	0.00	6.00	0	1054.4
9/19/22 11:50	120.40	73.56	508.4	0.0	1822.4	0.00	6.00	0	1054.7
9/19/22 11:51	120.13	73.58	508.4	0.0	1823.5	0.00	6.00	0	1052.3
9/19/22 11:52	120.46	73.30	508.4	0.0	1823.9	0.00	6.00	0	1055.2

9/19/22 11:53	120.46	73.46	508.7	0.0	1825.4	0.00	6.00	0	1055.2
9/19/22 11:54	120.62	73.77	508.4	0.0	1824.6	0.00	6.00	0	1056.7
9/19/22 11:55	120.62	73.76	508.4	0.0	1825.2	0.00	6.00	0	1056.7
9/19/22 11:56	120.62	73.47	508.9	0.0	1825.8	0.00	6.00	0	1056.7
9/19/22 11:57	120.81	73.71	508.4	0.0	1824.5	0.00	6.00	0	1058.3
9/19/22 11:58	120.67	73.84	508.4	0.0	1823.9	0.00	6.00	0	1057.1
9/19/22 11:59	120.73	73.54	508.4	0.0	1823.6	0.00	6.00	0	1057.6
9/19/22 12:00	121.48	73.62	508.9	0.0	1825.2	0.00	6.00	0	1064.2
9/19/22 12:01	121.65	73.50	509.6	0.0	1826.8	0.00	6.00	0	1065.6
9/19/22 12:02	121.54	73.50	508.4	0.0	1824.2	0.00	6.00	0	1064.7
9/19/22 12:03	120.72	73.61	508.4	0.0	1824.1	0.00	6.00	0	1057.5
9/19/22 12:04	120.57	73.72	508.4	0.0	1823.7	0.00	6.00	0	1056.2
9/19/22 12:05	120.38	73.62	507.7	0.0	1822.3	0.00	6.00	0	1054.5
9/19/22 12:06	120.32	73.70	507.9	0.0	1823.0	0.00	6.00	0	1054.0
9/19/22 12:07	120.29	73.69	508.2	0.0	1823.0	0.00	6.00	0	1053.8
9/19/22 12:08	120.21	73.86	508.2	0.0	1823.3	0.00	6.00	0	1053.0
9/19/22 12:09	120.21	73.64	508.2	0.0	1822.9	0.00	6.00	0	1053.0
9/19/22 12:10	120.26	73.76	507.5	0.0	1823.3	0.00	6.00	0	1053.5
9/19/22 12:11	120.45	73.83	508.4	0.0	1824.2	0.00	6.00	0	1055.1
9/19/22 12:12	120.67	73.63	507.8	0.0	1823.3	0.00	6.00	0	1057.1
9/19/22 12:13	120.96	73.65	507.7	0.0	1823.2	0.00	6.00	0	1059.6
9/19/22 12:14	120.92	73.87	508.4	0.0	1823.9	0.00	6.00	0	1059.2
9/19/22 12:15	120.91	73.63	508.4	0.0	1823.5	0.00	6.00	0	1059.2
9/19/22 12:16	121.00	73.58	508.4	0.0	1823.6	0.00	6.00	0	1059.9
9/19/22 12:17	121.01	73.81	508.6	0.0	1823.9	0.00	6.00	0	1060.0
9/19/22 12:18	121.16	73.70	508.4	0.0	1823.3	0.00	6.00	0	1061.4
9/19/22 12:19	120.68	73.63	508.0	0.0	1823.0	0.00	6.00	0	1057.1
9/19/22 12:20	120.62	73.56	508.0	0.0	1823.0	0.00	6.00	0	1056.7
9/19/22 12:21	120.67	73.73	507.5	0.0	1822.9	0.00	6.00	0	1057.1
9/19/22 12:22	120.96	73.82	507.3	0.0	1823.0	0.00	6.00	0	1059.6
9/19/22 12:23	121.06	73.64	508.0	0.0	1823.3	0.00	6.00	0	1060.5
9/19/22 12:24	121.01	73.65	507.9	0.0	1823.0	0.00	6.00	0	1060.1
9/19/22 12:25	120.35	73.56	509.0	0.0	1825.5	0.00	6.00	0	1054.2
9/19/22 12:26	120.12	73.90	508.6	0.0	1824.9	0.00	6.00	0	1052.3
9/19/22 12:27	120.12	73.80	508.9	0.0	1825.5	0.00	6.00	0	1052.3
9/19/22 12:28	120.08	73.53	509.6	0.0	1826.6	0.00	6.00	0	1051.9
9/19/22 12:29	120.03	73.48	508.7	0.0	1826.2	0.00	6.00	0	1051.5
9/19/22 12:30	119.69	73.90	509.3	0.0	1826.3	0.00	6.00	0	1048.5
9/19/22 12:31	119.70	73.94	509.5	0.0	1827.3	0.00	6.00	0	1048.6
9/19/22 12:32	119.60	73.71	508.7	0.0	1825.4	0.00	6.00	0	1047.7
9/19/22 12:33	119.65	73.79	509.3	0.0	1825.4	0.00	6.00	0	1048.1
9/19/22 12:34	120.02	73.65	509.6	0.0	1826.7	0.00	6.00	0	1051.4
9/19/22 12:35	119.74	73.74	510.0	0.0	1827.4	0.00	6.00	0	1049.0
9/19/22 12:36	119.74	73.60	509.2	0.0	1825.4	0.00	6.00	0	1049.0
9/19/22 12:37	119.73	73.77	509.5	0.0	1826.4	0.00	6.00	0	1048.8
9/19/22 12:38	119.55	73.43	509.6	0.0	1827.6	0.00	6.00	0	1047.2
9/19/22 12:39	119.49	73.70	509.6	0.0	1827.1	0.00	6.00	0	1046.7
9/19/22 12:40	119.49	73.79	509.3	0.0	1825.8	0.00	6.00	0	1046.7
9/19/22 12:41	119.65	73.51	509.6	0.0	1826.2	0.00	6.00	0	1048.1
9/19/22 12:42	119.84	73.66	509.6	0.0	1826.8	0.00	6.00	0	1049.8
9/19/22 12:43	120.25	73.83	509.6	0.0	1826.7	0.00	6.00	0	1053.4
9/19/22 12:44	120.26	73.79	510.2	0.0	1828.0	0.00	6.00	0	1053.5
9/19/22 12:45	120.25	73.52	509.7	0.0	1827.6	0.00	6.00	0	1053.4
9/19/22 12:46	120.17	73.52	509.6	0.0	1827.8	0.00	6.00	0	1052.7
9/19/22 12:47	120.17	73.54	510.4	0.0	1828.3	0.00	6.00	0	1052.7
9/19/22 12:48	120.04	73.64	509.9	0.0	1827.3	0.00	6.00	0	1051.5
9/19/22 12:49	119.88	73.32	510.0	0.0	1827.6	0.00	6.00	0	1050.2
9/19/22 12:50	119.69	73.77	509.9	0.0	1827.3	0.00	6.00	0	1048.5
9/19/22 12:51	119.50	73.73	509.6	0.0	1826.3	0.00	6.00	0	1046.8
9/19/22 12:52	120.00	73.58	509.6	0.0	1826.2	0.00	6.00	0	1051.2
9/19/22 12:53	120.07	73.91	509.6	0.0	1825.5	0.00	6.00	0	1051.8
9/19/22 12:54	119.74	73.55	509.2	0.0	1825.4	0.00	6.00	0	1049.0
9/19/22 12:55	119.65	73.58	509.7	0.0	1826.8	0.00	6.00	0	1048.1
9/19/22 12:56	119.90	73.82	510.0	0.0	1828.1	0.00	6.00	0	1050.3
9/19/22 12:57	120.08	73.92	509.6	0.0	1826.9	0.00	6.00	0	1051.9
9/19/22 12:58	120.15	73.62	510.0	0.0	1827.6	0.00	6.00	0	1052.5
9/19/22 12:59	120.08	73.49	510.0	0.0	1827.9	0.00	6.00	0	1051.9
9/19/22 13:00	120.08	74.10	510.0	0.0	1827.4	0.00	6.00	0	1051.9
9/19/22 13:01	120.25	73.97	510.8	0.0	1828.3	0.00	6.00	0	1053.4
9/19/22 13:02	120.29	73.55	510.2	0.0	1828.4	0.00	6.00	0	1053.8
9/19/22 13:03	120.13	73.47	510.3	0.0	1828.8	0.00	6.00	0	1052.4
9/19/22 13:04	120.08	73.60	510.2	0.0	1828.5	0.00	6.00	0	1051.9

9/19/22 13:05	120.40	73.55	509.9	0.0	1827.7	0.00	6.00	0	1054.7
9/19/22 13:06	120.21	73.50	509.9	0.0	1827.4	0.00	6.00	0	1053.0
9/19/22 13:07	120.29	73.67	509.6	0.0	1827.0	0.00	6.00	0	1053.8
9/19/22 13:08	120.40	73.70	509.6	0.0	1826.9	0.00	6.00	0	1054.7
9/19/22 13:09	120.35	73.80	509.6	0.0	1826.4	0.00	6.00	0	1054.2
9/19/22 13:10	120.29	73.86	509.6	0.0	1826.3	0.00	6.00	0	1053.8
9/19/22 13:11	120.16	73.64	509.6	0.0	1827.0	0.00	6.00	0	1052.6
9/19/22 13:12	120.21	73.82	509.6	0.0	1827.4	0.00	6.00	0	1053.0
9/19/22 13:13	120.17	73.52	509.6	0.0	1827.1	0.00	6.00	0	1052.7
9/19/22 13:14	120.35	73.77	509.6	0.0	1827.0	0.00	6.00	0	1054.2
9/19/22 13:15	120.36	73.58	509.9	0.0	1827.2	0.00	6.00	0	1054.4
9/19/22 13:16	120.62	73.71	509.8	0.0	1827.4	0.00	6.00	0	1056.7
9/19/22 13:17	120.60	73.79	509.6	0.0	1826.5	0.00	6.00	0	1056.5
9/19/22 13:18	120.52	73.71	510.0	0.0	1827.5	0.00	6.00	0	1055.7
9/19/22 13:19	120.62	73.79	510.8	0.0	1830.1	0.00	6.00	0	1056.7
9/19/22 13:20	120.62	73.84	511.4	0.0	1831.2	0.00	6.00	0	1056.7
9/19/22 13:21	120.62	73.82	511.4	0.0	1831.1	0.00	6.00	0	1056.7
9/19/22 13:22	120.81	73.81	511.4	0.0	1830.8	0.00	6.00	0	1058.3
9/19/22 13:23	120.73	73.78	511.9	0.0	1832.6	0.00	6.00	0	1057.6
9/19/22 13:24	120.74	73.48	512.9	0.0	1833.4	0.00	6.00	0	1057.7
9/19/22 13:25	120.77	73.70	513.1	0.0	1834.1	0.00	6.00	0	1057.9
9/19/22 13:26	120.59	73.91	512.9	0.0	1832.4	0.00	6.00	0	1056.3
9/19/22 13:27	120.14	73.60	512.7	0.0	1832.9	0.00	6.00	0	1052.4
9/19/22 13:28	120.08	73.59	513.5	0.0	1834.8	0.00	6.00	0	1051.9
9/19/22 13:29	120.03	73.39	513.1	0.0	1834.8	0.00	6.00	0	1051.5
9/19/22 13:30	120.04	73.84	513.3	0.0	1835.0	0.00	6.00	0	1051.5
9/19/22 13:31	120.04	73.75	513.6	0.0	1835.2	0.00	6.00	0	1051.5
9/19/22 13:32	120.04	73.84	513.1	0.0	1833.9	0.00	6.00	0	1051.5
9/19/22 13:33	120.04	73.66	512.9	0.0	1833.4	0.00	6.00	0	1051.5
9/19/22 13:34	120.08	73.59	511.9	0.0	1831.1	0.00	6.00	0	1051.9
9/19/22 13:35	120.07	73.54	513.0	0.0	1833.2	0.00	6.00	0	1051.8
9/19/22 13:36	119.74	73.70	512.5	0.0	1833.2	0.00	6.00	0	1048.9
9/19/22 13:37	119.99	73.73	511.2	0.0	1830.5	0.00	6.00	0	1051.1
9/19/22 13:38	119.99	73.48	511.7	0.0	1831.3	0.00	6.00	0	1051.1
9/19/22 13:39	119.99	73.61	511.5	0.0	1830.8	0.00	6.00	0	1051.1
9/19/22 13:40	119.94	73.48	511.0	0.0	1829.8	0.00	6.00	0	1050.7
9/19/22 13:41	119.88	73.86	510.8	0.0	1828.3	0.00	6.00	0	1050.2
9/19/22 13:42	120.04	73.96	510.7	0.0	1827.8	0.00	6.00	0	1051.5
9/19/22 13:43	120.17	73.56	510.8	0.0	1828.3	0.00	6.00	0	1052.7
9/19/22 13:44	120.09	73.88	510.4	0.0	1827.5	0.00	6.00	0	1051.9
9/19/22 13:45	120.09	73.64	510.2	0.0	1827.5	0.00	6.00	0	1051.9
9/19/22 13:46	120.04	73.89	509.6	0.0	1827.0	0.00	6.00	0	1051.5
9/19/22 13:47	120.01	73.72	509.6	0.0	1827.0	0.00	6.00	0	1051.3
9/19/22 13:48	119.91	73.83	509.6	0.0	1826.5	0.00	6.00	0	1050.4
9/19/22 13:49	120.08	73.55	509.6	0.0	1827.2	0.00	6.00	0	1051.9
9/19/22 13:50	120.04	73.74	509.6	0.0	1826.9	0.00	6.00	0	1051.5
9/19/22 13:51	120.25	73.93	510.2	0.0	1827.3	0.00	6.00	0	1053.4
9/19/22 13:52	120.30	73.47	510.8	0.0	1828.3	0.00	6.00	0	1053.8
9/19/22 13:53	120.21	73.67	510.8	0.0	1828.8	0.00	6.00	0	1053.0
9/19/22 13:54	119.79	73.56	510.8	0.0	1828.8	0.00	6.00	0	1049.4
9/19/22 13:55	119.74	73.56	510.8	0.0	1829.3	0.00	6.00	0	1049.0
9/19/22 13:56	119.79	73.72	510.8	0.0	1829.6	0.00	6.00	0	1049.4
9/19/22 13:57	119.89	73.89	510.8	0.0	1829.2	0.00	6.00	0	1050.2
9/19/22 13:58	119.84	73.77	511.6	0.0	1830.7	0.00	6.00	0	1049.8
9/19/22 13:59	119.84	73.68	512.3	0.0	1832.2	0.00	6.00	0	1049.8
9/19/22 14:00	120.04	73.53	513.1	0.0	1834.2	0.00	6.00	0	1051.5
9/19/22 14:01	120.04	73.60	514.3	0.0	1835.9	0.00	6.00	0	1051.5
9/19/22 14:02	119.89	73.65	514.1	0.0	1836.2	0.00	6.00	0	1050.2
9/19/22 14:03	119.74	73.62	513.1	0.0	1833.8	0.00	6.00	0	1049.0
9/19/22 14:04	119.74	73.62	513.1	0.0	1833.8	0.00	6.00	0	1049.0
9/19/22 14:05	119.74	73.67	512.7	0.0	1833.1	0.00	6.00	0	1049.0
9/19/22 14:06	119.79	73.56	512.6	0.0	1832.8	0.00	6.00	0	1049.4
9/19/22 14:07	119.84	73.71	513.1	0.0	1834.2	0.00	6.00	0	1049.8
9/19/22 14:08	119.88	73.70	513.2	0.0	1835.0	0.00	6.00	0	1050.2
9/19/22 14:09	119.74	73.65	513.1	0.0	1834.1	0.00	6.00	0	1049.0
9/19/22 14:10	119.84	73.66	513.1	0.0	1834.6	0.00	6.00	0	1049.8
9/19/22 14:11	119.94	73.44	513.1	0.0	1834.7	0.00	6.00	0	1050.7
9/19/22 14:12	119.84	73.74	513.1	0.0	1835.2	0.00	6.00	0	1049.8
9/19/22 14:13	119.74	73.44	513.1	0.0	1834.4	0.00	6.00	0	1049.0
9/19/22 14:14	119.89	73.70	513.1	0.0	1834.1	0.00	6.00	0	1050.2
9/19/22 14:15	119.89	73.49	512.9	0.0	1833.2	0.00	6.00	0	1050.2
9/19/22 14:16	119.87	73.82	511.9	0.0	1831.8	0.00	6.00	0	1050.0

9/19/22 14:17	119.99	73.55	512.7	0.0	1832.4	0.00	6.00	0	1051.1
9/19/22 14:18	119.91	73.45	512.3	0.0	1831.9	0.00	6.00	0	1050.4
9/19/22 14:19	120.08	73.62	512.3	0.0	1832.5	0.00	6.00	0	1051.9
9/19/22 14:20	120.30	73.77	512.7	0.0	1833.3	0.00	6.00	0	1053.8
9/19/22 14:21	120.30	73.58	512.2	0.0	1832.8	0.00	6.00	0	1053.8
9/19/22 14:22	120.35	73.48	512.5	0.0	1832.6	0.00	6.00	0	1054.2
9/19/22 14:23	120.67	73.74	512.0	0.0	1832.1	0.00	6.00	0	1057.0
9/19/22 14:24	120.63	73.54	511.9	0.0	1830.8	0.00	6.00	0	1056.7
9/19/22 14:25	120.32	73.60	511.7	0.0	1830.1	0.00	6.00	0	1054.0
9/19/22 14:26	120.04	73.56	511.2	0.0	1829.7	0.00	6.00	0	1051.5
9/19/22 14:27	120.08	74.08	510.9	0.0	1830.1	0.00	6.00	0	1051.9
9/19/22 14:28	119.94	73.92	510.9	0.0	1830.1	0.00	6.00	0	1050.7
9/19/22 14:29	120.04	73.41	510.8	0.0	1830.6	0.00	6.00	0	1051.5
9/19/22 14:30	120.08	73.69	511.6	0.0	1831.2	0.00	6.00	0	1051.9
9/19/22 14:31	120.40	73.88	511.9	0.0	1831.4	0.00	6.00	0	1054.7
9/19/22 14:32	120.83	73.85	511.9	0.0	1831.1	0.00	6.00	0	1058.5
9/19/22 14:33	120.81	73.85	512.0	0.0	1831.9	0.00	6.00	0	1058.3
9/19/22 14:34	120.18	73.91	512.4	0.0	1832.7	0.00	6.00	0	1052.8
9/19/22 14:35	119.99	73.64	512.4	0.0	1832.6	0.00	6.00	0	1051.1
9/19/22 14:36	120.04	73.97	512.9	0.0	1833.6	0.00	6.00	0	1051.5
9/19/22 14:37	120.12	73.48	513.1	0.0	1834.2	0.00	6.00	0	1052.3
9/19/22 14:38	120.03	73.71	513.5	0.0	1834.9	0.00	6.00	0	1051.5
9/19/22 14:39	120.23	73.41	514.1	0.0	1835.8	0.00	6.00	0	1053.2
9/19/22 14:40	120.16	73.61	513.9	0.0	1835.5	0.00	6.00	0	1052.6
9/19/22 14:41	120.25	73.31	513.5	0.0	1834.5	0.00	6.00	0	1053.4
9/19/22 14:42	120.57	73.57	514.5	0.0	1836.5	0.00	6.00	0	1056.2
9/19/22 14:43	120.35	73.98	513.9	0.0	1836.1	0.00	6.00	0	1054.2
9/19/22 14:44	120.15	73.65	513.1	0.0	1835.0	0.00	6.00	0	1052.5
9/19/22 14:45	120.57	73.82	514.3	0.0	1836.8	0.00	6.00	0	1056.2
9/19/22 14:46	120.40	73.66	513.5	0.0	1835.1	0.00	6.00	0	1054.7
9/19/22 14:47	120.16	73.74	513.5	0.0	1835.0	0.00	6.00	0	1052.6
9/19/22 14:48	120.03	73.62	514.2	0.0	1835.7	0.00	6.00	0	1051.5
9/19/22 14:49	120.04	73.67	513.9	0.0	1835.7	0.00	6.00	0	1051.5
9/19/22 14:50	120.04	73.70	514.1	0.0	1836.1	0.00	6.00	0	1051.5
9/19/22 14:51	120.04	73.58	513.8	0.0	1834.8	0.00	6.00	0	1051.5
9/19/22 14:52	119.99	73.87	513.9	0.0	1836.0	0.00	6.00	0	1051.1
9/19/22 14:53	120.04	73.60	514.8	0.0	1837.7	0.00	6.00	0	1051.5
9/19/22 14:54	120.29	73.59	514.4	0.0	1837.3	0.00	6.00	0	1053.8
9/19/22 14:55	120.29	73.54	513.6	0.0	1835.4	0.00	6.00	0	1053.8
9/19/22 14:56	120.42	73.70	514.4	0.0	1836.8	0.00	6.00	0	1054.9
9/19/22 14:57	120.35	73.59	514.3	0.0	1835.9	0.00	6.00	0	1054.2
9/19/22 14:58	120.29	73.87	513.9	0.0	1835.5	0.00	6.00	0	1053.8
9/19/22 14:59	120.29	73.65	514.3	0.0	1836.1	0.00	6.00	0	1053.8
9/19/22 15:00	120.29	73.55	514.3	0.0	1836.2	0.00	6.00	0	1053.8
9/19/22 15:01	120.21	73.49	514.3	0.0	1836.8	0.00	6.00	0	1053.0
9/19/22 15:02	120.04	73.77	514.3	0.0	1837.1	0.00	6.00	0	1051.5
9/19/22 15:03	120.04	73.61	515.2	0.0	1838.2	0.00	6.00	0	1051.5
9/19/22 15:04	120.12	73.76	514.3	0.0	1837.4	0.00	6.00	0	1052.3
Run 4 End - FO	**120.22**	**73.67**	**510.64**	**0.00**	**1828.81**	**0.00**	**6.00**	**0**	**1053.1**
Run 5 Start - FO									
9/19/22 15:08	120.16	73.55	514.3	0.0	1836.2	0.00	6.00	0	1052.6
9/19/22 15:09	120.35	73.61	515.1	0.0	1837.7	0.00	6.00	0	1054.3
9/19/22 15:10	120.30	73.60	514.5	0.0	1837.4	0.00	6.00	0	1053.8
9/19/22 15:11	120.29	73.75	514.7	0.0	1837.7	0.00	6.00	0	1053.8
9/19/22 15:12	120.16	73.67	514.7	0.0	1836.9	0.00	6.00	0	1052.6
9/19/22 15:13	120.29	73.26	514.3	0.0	1836.5	0.00	6.00	0	1053.8
9/19/22 15:14	120.16	73.43	514.0	0.0	1834.9	0.00	6.00	0	1052.6
9/19/22 15:15	120.04	73.66	513.4	0.0	1834.8	0.00	6.00	0	1051.6
9/19/22 15:16	120.07	73.74	513.1	0.0	1834.4	0.00	6.00	0	1051.8
9/19/22 15:17	120.04	73.50	514.0	0.0	1836.2	0.00	6.00	0	1051.5
9/19/22 15:18	120.04	73.88	513.3	0.0	1835.4	0.00	6.00	0	1051.5
9/19/22 15:19	120.04	73.59	513.3	0.0	1835.1	0.00	6.00	0	1051.5
9/19/22 15:20	120.04	73.53	513.7	0.0	1835.9	0.00	6.00	0	1051.5
9/19/22 15:21	120.03	73.84	513.3	0.0	1834.9	0.00	6.00	0	1051.5
9/19/22 15:22	120.04	73.89	513.1	0.0	1834.3	0.00	6.00	0	1051.5
9/19/22 15:23	120.07	73.61	514.1	0.0	1835.4	0.00	6.00	0	1051.8
9/19/22 15:24	120.04	73.59	514.1	0.0	1835.7	0.00	6.00	0	1051.5
9/19/22 15:25	120.04	73.60	513.5	0.0	1834.8	0.00	6.00	0	1051.5
9/19/22 15:26	120.08	73.46	514.1	0.0	1835.7	0.00	6.00	0	1051.9
9/19/22 15:27	120.09	73.70	513.5	0.0	1835.4	0.00	6.00	0	1051.9
9/19/22 15:28	120.08	73.56	514.1	0.0	1835.5	0.00	6.00	0	1051.9

9/19/22 15:29	120.12	73.65	514.3	0.0	1835.8	0.00	6.00	0	1052.3
9/19/22 15:30	120.15	73.58	514.3	0.0	1835.5	0.00	6.00	0	1052.5
9/19/22 15:31	120.16	73.71	514.1	0.0	1834.7	0.00	6.00	0	1052.6
9/19/22 15:32	120.25	73.88	514.1	0.0	1835.2	0.00	6.00	0	1053.4
9/19/22 15:33	120.29	73.61	513.9	0.0	1835.7	0.00	6.00	0	1053.8
9/19/22 15:34	120.29	73.76	514.7	0.0	1837.3	0.00	6.00	0	1053.8
9/19/22 15:35	120.30	73.61	514.1	0.0	1836.4	0.00	6.00	0	1053.8
9/19/22 15:36	120.22	73.76	513.7	0.0	1836.1	0.00	6.00	0	1053.1
9/19/22 15:37	120.08	73.59	514.0	0.0	1835.8	0.00	6.00	0	1051.9
9/19/22 15:38	120.08	73.71	514.0	0.0	1835.8	0.00	6.00	0	1051.9
9/19/22 15:39	120.04	73.27	513.5	0.0	1835.2	0.00	6.00	0	1051.5
9/19/22 15:40	120.04	73.58	514.6	0.0	1837.0	0.00	6.00	0	1051.5
9/19/22 15:41	120.04	73.40	515.5	0.0	1839.0	0.00	6.00	0	1051.5
9/19/22 15:42	120.04	73.56	515.5	0.0	1839.2	0.00	6.00	0	1051.5
9/19/22 15:43	119.94	73.49	515.1	0.0	1837.3	0.00	6.00	0	1050.7
9/19/22 15:44	119.99	73.53	514.4	0.0	1837.4	0.00	6.00	0	1051.1
9/19/22 15:45	120.04	73.66	514.7	0.0	1838.0	0.00	6.00	0	1051.5
9/19/22 15:46	120.04	73.83	515.5	0.0	1839.8	0.00	6.00	0	1051.5
9/19/22 15:47	120.04	73.65	514.5	0.0	1836.3	0.00	6.00	0	1051.5
9/19/22 15:48	120.16	73.43	513.7	0.0	1834.7	0.00	6.00	0	1052.6
9/19/22 15:49	120.12	73.90	511.6	0.0	1829.9	0.00	6.00	0	1052.3
9/19/22 15:50	120.29	73.37	510.4	0.0	1827.2	0.00	6.00	0	1053.8
9/19/22 15:51	120.29	73.87	509.1	0.0	1825.1	0.00	6.00	0	1053.8
9/19/22 15:52	120.29	73.76	508.4	0.0	1823.6	0.00	6.00	0	1053.8
9/19/22 15:53	120.29	73.67	507.9	0.0	1822.7	0.00	6.00	0	1053.8
9/19/22 15:54	120.03	73.62	506.3	0.0	1819.8	0.00	6.00	0	1051.5
9/19/22 15:55	119.97	73.49	506.1	0.0	1820.0	0.00	6.00	0	1050.9
9/19/22 15:56	119.96	73.58	506.1	0.0	1819.9	0.00	6.00	0	1050.9
9/19/22 15:57	120.05	73.59	506.1	0.0	1819.8	0.00	6.00	0	1051.7
9/19/22 15:58	120.04	73.90	506.7	0.0	1820.1	0.00	6.00	0	1051.5
9/19/22 15:59	120.04	73.86	506.3	0.0	1819.6	0.00	6.00	0	1051.5
9/19/22 16:00	120.04	73.51	506.1	0.0	1818.1	0.00	6.00	0	1051.5
9/19/22 16:01	120.03	73.72	506.1	0.0	1818.0	0.00	6.00	0	1051.5
9/19/22 16:02	119.99	73.76	506.1	0.0	1818.6	0.00	6.00	0	1051.1
9/19/22 16:03	120.04	73.75	506.1	0.0	1819.1	0.00	6.00	0	1051.5
9/19/22 16:04	120.04	73.70	506.6	0.0	1820.5	0.00	6.00	0	1051.6
9/19/22 16:05	120.02	73.31	507.0	0.0	1820.8	0.00	6.00	0	1051.4
9/19/22 16:06	120.08	73.85	507.3	0.0	1821.7	0.00	6.00	0	1051.9
9/19/22 16:07	120.03	73.78	507.4	0.0	1822.5	0.00	6.00	0	1051.5
9/19/22 16:08	120.04	73.53	508.4	0.0	1823.2	0.00	6.00	0	1051.5
9/19/22 16:09	120.04	73.59	507.6	0.0	1822.3	0.00	6.00	0	1051.5
9/19/22 16:10	120.04	73.61	507.3	0.0	1822.3	0.00	6.00	0	1051.5
9/19/22 16:11	120.04	73.63	507.7	0.0	1822.7	0.00	6.00	0	1051.5
9/19/22 16:12	120.04	73.97	507.3	0.0	1821.6	0.00	6.00	0	1051.5
9/19/22 16:13	120.03	73.52	507.2	0.0	1821.7	0.00	6.00	0	1051.5
9/19/22 16:14	120.04	73.53	507.3	0.0	1821.7	0.00	6.00	0	1051.5
9/19/22 16:15	120.03	73.48	507.7	0.0	1822.6	0.00	6.00	0	1051.5
9/19/22 16:16	120.03	73.96	507.3	0.0	1821.4	0.00	6.00	0	1051.5
9/19/22 16:17	120.04	73.56	508.3	0.0	1823.3	0.00	6.00	0	1051.5
9/19/22 16:18	120.04	73.64	508.4	0.0	1824.8	0.00	6.00	0	1051.5
9/19/22 16:19	120.04	73.88	508.4	0.0	1825.2	0.00	6.00	0	1051.5
9/19/22 16:20	120.04	73.71	508.4	0.0	1826.2	0.00	6.00	0	1051.5
9/19/22 16:21	120.04	73.63	508.8	0.0	1825.8	0.00	6.00	0	1051.5
9/19/22 16:22	120.04	73.80	509.3	0.0	1826.0	0.00	6.00	0	1051.5
9/19/22 16:23	120.04	73.66	509.6	0.0	1826.5	0.00	6.00	0	1051.5
9/19/22 16:24	120.04	73.68	509.7	0.0	1826.6	0.00	6.00	0	1051.5
9/19/22 16:25	120.03	73.67	509.6	0.0	1826.7	0.00	6.00	0	1051.5
9/19/22 16:26	120.04	73.62	509.7	0.0	1827.1	0.00	6.00	0	1051.5
9/19/22 16:27	120.03	73.78	509.7	0.0	1827.5	0.00	6.00	0	1051.5
9/19/22 16:28	120.04	73.73	510.1	0.0	1828.3	0.00	6.00	0	1051.5
9/19/22 16:29	120.03	73.46	509.9	0.0	1827.9	0.00	6.00	0	1051.5
9/19/22 16:30	120.08	73.70	509.7	0.0	1827.6	0.00	6.00	0	1051.9
9/19/22 16:31	120.04	73.46	510.0	0.0	1827.3	0.00	6.00	0	1051.5
9/19/22 16:32	120.04	73.64	510.1	0.0	1826.9	0.00	6.00	0	1051.5
9/19/22 16:33	120.08	73.70	509.2	0.0	1825.4	0.00	6.00	0	1051.9
9/19/22 16:34	120.04	73.73	509.7	0.0	1826.1	0.00	6.00	0	1051.5
9/19/22 16:35	120.04	73.62	509.8	0.0	1826.7	0.00	6.00	0	1051.5
9/19/22 16:36	120.04	73.71	509.6	0.0	1827.5	0.00	6.00	0	1051.5
9/19/22 16:37	120.04	73.65	510.0	0.0	1827.7	0.00	6.00	0	1051.5
9/19/22 16:38	120.04	73.62	509.8	0.0	1827.4	0.00	6.00	0	1051.5
9/19/22 16:39	120.04	73.61	510.1	0.0	1827.3	0.00	6.00	0	1051.6
9/19/22 16:40	120.02	73.34	510.3	0.0	1827.9	0.00	6.00	0	1051.4

9/19/22 16:41	120.03	73.57	509.9	0.0	1827.1	0.00	6.00	0	1051.5
9/19/22 16:42	120.04	73.75	510.8	0.0	1828.8	0.00	6.00	0	1051.5
9/19/22 16:43	120.07	73.95	510.8	0.0	1829.8	0.00	6.00	0	1051.8
9/19/22 16:44	120.04	73.62	510.8	0.0	1828.7	0.00	6.00	0	1051.5
9/19/22 16:45	120.08	73.79	510.4	0.0	1828.9	0.00	6.00	0	1051.9
9/19/22 16:46	120.04	73.62	511.0	0.0	1830.2	0.00	6.00	0	1051.5
9/19/22 16:47	120.05	73.79	511.2	0.0	1830.7	0.00	6.00	0	1051.7
9/19/22 16:48	120.04	73.94	511.2	0.0	1829.9	0.00	6.00	0	1051.5
9/19/22 16:49	120.03	73.78	510.8	0.0	1828.6	0.00	6.00	0	1051.5
9/19/22 16:50	120.12	73.63	511.0	0.0	1829.6	0.00	6.00	0	1052.3
9/19/22 16:51	120.04	73.68	510.8	0.0	1829.2	0.00	6.00	0	1051.5
9/19/22 16:52	120.04	74.02	511.0	0.0	1830.5	0.00	6.00	0	1051.5
9/19/22 16:53	120.04	73.43	510.8	0.0	1830.1	0.00	6.00	0	1051.5
9/19/22 16:54	120.04	73.93	510.8	0.0	1830.1	0.00	6.00	0	1051.5
9/19/22 16:55	120.08	73.53	510.8	0.0	1829.6	0.00	6.00	0	1051.9
9/19/22 16:56	120.12	73.72	510.8	0.0	1829.6	0.00	6.00	0	1052.3
9/19/22 16:57	120.04	73.25	511.2	0.0	1830.2	0.00	6.00	0	1051.5
9/19/22 16:58	120.16	73.78	511.0	0.0	1829.9	0.00	6.00	0	1052.6
9/19/22 16:59	120.03	73.71	511.6	0.0	1830.5	0.00	6.00	0	1051.5
9/19/22 17:00	120.04	73.69	510.9	0.0	1830.6	0.00	6.00	0	1051.5
9/19/22 17:01	120.04	73.89	510.8	0.0	1830.2	0.00	6.00	0	1051.5
9/19/22 17:02	120.04	74.02	510.7	0.0	1829.2	0.00	6.00	0	1051.5
9/19/22 17:03	120.03	73.95	510.3	0.0	1828.3	0.00	6.00	0	1051.5
9/19/22 17:04	120.03	73.73	510.7	0.0	1828.5	0.00	6.00	0	1051.5
9/19/22 17:05	120.04	73.85	509.7	0.0	1827.7	0.00	6.00	0	1051.5
9/19/22 17:06	120.04	73.69	509.7	0.0	1826.3	0.00	6.00	0	1051.5
9/19/22 17:07	120.02	73.57	509.6	0.0	1826.3	0.00	6.00	0	1051.4
9/19/22 17:08	120.04	73.73	509.5	0.0	1825.2	0.00	6.00	0	1051.5
9/19/22 17:09	120.03	73.68	509.6	0.0	1826.3	0.00	6.00	0	1051.5
9/19/22 17:10	120.15	73.79	510.0	0.0	1828.0	0.00	6.00	0	1052.5
9/19/22 17:11	120.10	73.81	510.8	0.0	1829.6	0.00	6.00	0	1052.1
9/19/22 17:12	120.16	73.71	510.8	0.0	1830.1	0.00	6.00	0	1052.6
9/19/22 17:13	120.20	73.86	511.4	0.0	1830.4	0.00	6.00	0	1053.0
9/19/22 17:14	120.07	73.80	511.4	0.0	1830.5	0.00	6.00	0	1051.8
9/19/22 17:15	120.08	73.42	511.9	0.0	1830.8	0.00	6.00	0	1051.9
9/19/22 17:16	120.03	73.67	511.9	0.0	1831.4	0.00	6.00	0	1051.5
9/19/22 17:17	120.04	73.46	511.7	0.0	1831.4	0.00	6.00	0	1051.5
9/19/22 17:18	120.13	73.76	511.6	0.0	1831.4	0.00	6.00	0	1052.4
9/19/22 17:19	120.13	73.57	511.3	0.0	1831.4	0.00	6.00	0	1052.3
9/19/22 17:20	120.04	73.99	511.0	0.0	1830.8	0.00	6.00	0	1051.6
9/19/22 17:21	120.07	73.52	510.8	0.0	1830.1	0.00	6.00	0	1051.8
9/19/22 17:22	120.21	73.66	510.8	0.0	1829.7	0.00	6.00	0	1053.0
9/19/22 17:23	120.12	73.87	510.8	0.0	1829.9	0.00	6.00	0	1052.2
9/19/22 17:24	120.12	73.41	511.4	0.0	1830.4	0.00	6.00	0	1052.3
9/19/22 17:25	120.03	73.76	510.8	0.0	1829.3	0.00	6.00	0	1051.5
9/19/22 17:26	120.04	73.77	510.8	0.0	1829.1	0.00	6.00	0	1051.5
9/19/22 17:27	120.07	73.16	510.8	0.0	1829.2	0.00	6.00	0	1051.8
9/19/22 17:28	120.04	73.68	510.6	0.0	1829.2	0.00	6.00	0	1051.6
9/19/22 17:29	120.04	73.44	509.8	0.0	1827.0	0.00	6.00	0	1051.5
9/19/22 17:30	120.04	73.78	509.3	0.0	1825.7	0.00	6.00	0	1051.5
9/19/22 17:31	120.04	73.71	508.9	0.0	1825.1	0.00	6.00	0	1051.5
9/19/22 17:32	120.03	73.99	508.8	0.0	1825.1	0.00	6.00	0	1051.5
9/19/22 17:33	120.03	74.04	508.8	0.0	1826.0	0.00	6.00	0	1051.5
9/19/22 17:34	120.04	73.51	509.7	0.0	1827.4	0.00	6.00	0	1051.5
9/19/22 17:35	120.03	73.51	509.7	0.0	1827.5	0.00	6.00	0	1051.5
9/19/22 17:36	120.04	73.60	509.6	0.0	1827.0	0.00	6.00	0	1051.5
9/19/22 17:37	120.04	73.82	509.0	0.0	1826.0	0.00	6.00	0	1051.5
9/19/22 17:38	120.04	73.25	509.4	0.0	1825.8	0.00	6.00	0	1051.5
9/19/22 17:39	120.03	73.65	508.4	0.0	1825.2	0.00	6.00	0	1051.5
9/19/22 17:40	120.04	73.62	508.5	0.0	1825.1	0.00	6.00	0	1051.5
9/19/22 17:41	120.04	73.78	508.4	0.0	1823.5	0.00	6.00	0	1051.5
9/19/22 17:42	120.04	73.70	507.9	0.0	1822.7	0.00	6.00	0	1051.5
9/19/22 17:43	120.04	73.58	507.7	0.0	1822.6	0.00	6.00	0	1051.5
9/19/22 17:44	120.04	73.56	507.3	0.0	1822.5	0.00	6.00	0	1051.5
9/19/22 17:45	120.04	73.39	507.4	0.0	1821.6	0.00	6.00	0	1051.5
9/19/22 17:46	120.04	73.32	507.4	0.0	1821.9	0.00	6.00	0	1051.5
9/19/22 17:47	120.04	73.71	507.3	0.0	1821.8	0.00	6.00	0	1051.5
9/19/22 17:48	120.03	73.78	507.3	0.0	1822.0	0.00	6.00	0	1051.5
9/19/22 17:49	120.03	73.81	507.4	0.0	1822.0	0.00	6.00	0	1051.5
9/19/22 17:50	120.04	73.50	507.4	0.0	1822.3	0.00	6.00	0	1051.5
9/19/22 17:51	120.04	73.27	507.4	0.0	1822.1	0.00	6.00	0	1051.5
9/19/22 17:52	120.04	73.59	507.1	0.0	1821.4	0.00	6.00	0	1051.5

9/19/22 17:53	120.04	73.49	507.4	0.0	1821.3	0.00	6.00	0	1051.5
9/19/22 17:54	120.04	73.52	506.8	0.0	1820.8	0.00	6.00	0	1051.5
9/19/22 17:55	120.04	73.71	506.8	0.0	1820.2	0.00	6.00	0	1051.5
9/19/22 17:56	120.04	73.84	506.3	0.0	1819.9	0.00	6.00	0	1051.5
9/19/22 17:57	120.04	73.67	506.1	0.0	1819.9	0.00	6.00	0	1051.5
9/19/22 17:58	120.04	73.51	506.1	0.0	1819.2	0.00	6.00	0	1051.5
9/19/22 17:59	120.04	73.66	506.3	0.0	1820.1	0.00	6.00	0	1051.5
9/19/22 18:00	120.03	73.24	506.1	0.0	1819.5	0.00	6.00	0	1051.5
9/19/22 18:01	120.03	73.91	506.1	0.0	1819.9	0.00	6.00	0	1051.5
9/19/22 18:02	120.03	73.74	506.1	0.0	1820.5	0.00	6.00	0	1051.5
9/19/22 18:03	120.04	73.67	506.1	0.0	1820.4	0.00	6.00	0	1051.5
9/19/22 18:04	120.04	73.68	506.5	0.0	1820.4	0.00	6.00	0	1051.5
9/19/22 18:05	120.04	73.37	506.5	0.0	1820.8	0.00	6.00	0	1051.5
9/19/22 18:06	120.04	73.58	506.5	0.0	1820.8	0.00	6.00	0	1051.5
9/19/22 18:07	120.03	73.88	506.1	0.0	1820.7	0.00	6.00	0	1051.5
9/19/22 18:08	119.94	73.67	506.3	0.0	1820.4	0.00	6.00	0	1050.7
9/19/22 18:09	119.99	73.67	506.3	0.0	1820.6	0.00	6.00	0	1051.1
9/19/22 18:10	119.98	73.54	506.1	0.0	1820.2	0.00	6.00	0	1051.0
9/19/22 18:11	120.04	73.70	506.1	0.0	1820.3	0.00	6.00	0	1051.5
9/19/22 18:12	120.04	73.62	506.1	0.0	1819.8	0.00	6.00	0	1051.5
9/19/22 18:13	120.04	73.52	506.0	0.0	1818.9	0.00	6.00	0	1051.5
9/19/22 18:14	120.03	73.70	506.3	0.0	1819.5	0.00	6.00	0	1051.5
9/19/22 18:15	120.02	73.53	506.1	0.0	1819.5	0.00	6.00	0	1051.4
9/19/22 18:16	120.04	73.45	506.0	0.0	1819.1	0.00	6.00	0	1051.5
9/19/22 18:17	120.03	73.81	505.9	0.0	1819.1	0.00	6.00	0	1051.5
9/19/22 18:18	120.03	73.64	505.3	0.0	1818.5	0.00	6.00	0	1051.5
9/19/22 18:19	120.03	73.55	505.8	0.0	1817.9	0.00	6.00	0	1051.5
9/19/22 18:20	120.03	73.40	505.9	0.0	1818.3	0.00	6.00	0	1051.5
9/19/22 18:21	120.02	73.74	506.1	0.0	1818.5	0.00	6.00	0	1051.4
9/19/22 18:22	120.03	73.72	506.0	0.0	1818.3	0.00	6.00	0	1051.5
9/19/22 18:23	120.04	73.54	505.5	0.0	1818.8	0.00	6.00	0	1051.5
9/19/22 18:24	120.04	73.58	505.0	0.0	1818.3	0.00	6.00	0	1051.5
9/19/22 18:25	120.04	73.77	504.9	0.0	1817.7	0.00	6.00	0	1051.5
9/19/22 18:26	120.04	73.76	504.5	0.0	1816.7	0.00	6.00	0	1051.5
9/19/22 18:27	120.02	73.76	504.5	0.0	1816.3	0.00	6.00	0	1051.4
9/19/22 18:28	120.04	73.67	504.9	0.0	1816.4	0.00	6.00	0	1051.5
9/19/22 18:29	120.03	73.68	504.9	0.0	1816.7	0.00	6.00	0	1051.5
9/19/22 18:30	120.04	73.49	504.7	0.0	1816.4	0.00	6.00	0	1051.5
9/19/22 18:31	120.04	73.52	504.9	0.0	1816.5	0.00	6.00	0	1051.5
9/19/22 18:32	120.03	73.67	504.9	0.0	1816.4	0.00	6.00	0	1051.5
9/19/22 18:33	120.03	73.64	504.9	0.0	1816.8	0.00	6.00	0	1051.5
9/19/22 18:34	120.03	73.67	504.5	0.0	1816.8	0.00	6.00	0	1051.5
9/19/22 18:35	120.04	73.66	504.7	0.0	1816.7	0.00	6.00	0	1051.5
9/19/22 18:36	120.02	73.76	504.8	0.0	1816.7	0.00	6.00	0	1051.4
9/19/22 18:37	120.03	73.53	504.9	0.0	1816.4	0.00	6.00	0	1051.5
9/19/22 18:38	119.95	73.66	504.9	0.0	1816.2	0.00	6.00	0	1050.7
9/19/22 18:39	119.90	73.96	504.7	0.0	1816.4	0.00	6.00	0	1050.3
9/19/22 18:40	120.03	73.65	504.9	0.0	1816.5	0.00	6.00	0	1051.5
9/19/22 18:41	120.03	73.48	504.6	0.0	1816.4	0.00	6.00	0	1051.5
9/19/22 18:42	120.04	73.70	503.8	0.0	1816.1	0.00	6.00	0	1051.5
9/19/22 18:43	120.04	73.82	504.0	0.0	1815.8	0.00	6.00	0	1051.5
9/19/22 18:44	120.04	73.80	503.9	0.0	1815.5	0.00	6.00	0	1051.5
9/19/22 18:45	120.04	73.70	504.6	0.0	1815.8	0.00	6.00	0	1051.5
9/19/22 18:46	120.04	73.77	504.5	0.0	1816.0	0.00	6.00	0	1051.5
9/19/22 18:47	120.08	73.41	504.1	0.0	1815.6	0.00	6.00	0	1051.9
9/19/22 18:48	120.04	73.89	504.0	0.0	1815.4	0.00	6.00	0	1051.5
9/19/22 18:49	120.07	74.01	503.7	0.0	1815.5	0.00	6.00	0	1051.8
9/19/22 18:50	120.02	73.52	503.7	0.0	1815.5	0.00	6.00	0	1051.4
9/19/22 18:51	120.03	73.65	503.7	0.0	1815.5	0.00	6.00	0	1051.5
9/19/22 18:52	120.04	73.76	503.7	0.0	1814.8	0.00	6.00	0	1051.5
9/19/22 18:53	120.03	73.70	503.7	0.0	1815.1	0.00	6.00	0	1051.5
9/19/22 18:54	119.98	73.89	503.7	0.0	1814.8	0.00	6.00	0	1051.0
9/19/22 18:55	119.88	73.46	503.7	0.0	1814.5	0.00	6.00	0	1050.2
9/19/22 18:56	119.93	73.65	503.7	0.0	1814.5	0.00	6.00	0	1050.6
9/19/22 18:57	119.81	73.77	503.2	0.0	1814.2	0.00	6.00	0	1049.5
9/19/22 18:58	119.74	73.69	503.7	0.0	1814.5	0.00	6.00	0	1049.0
Run 5 End - FO	**120.06**	**73.66**	**508.98**	**0.00**	**1825.51**	**0.00**	**6.00**	**0**	**1051.7**
Run 6 Start - FO									
9/20/22 08:04	120.40	73.65	499.0	0.0	1804.8	0.00	6.00	0	1054.7
9/20/22 08:05	120.23	73.90	499.0	0.0	1805.4	0.00	6.00	0	1053.2
9/20/22 08:06	120.51	73.44	499.0	0.0	1806.0	0.00	6.00	0	1055.6

9/20/22 08:07	120.37	73.62	499.1	0.0	1806.1	0.00	6.00	0	1054.5
9/20/22 08:08	120.69	73.72	499.0	0.0	1806.1	0.00	6.00	0	1057.2
9/20/22 08:09	120.74	73.84	499.5	0.0	1806.1	0.00	6.00	0	1057.7
9/20/22 08:10	120.70	73.95	499.4	0.0	1806.0	0.00	6.00	0	1057.4
9/20/22 08:11	120.59	73.66	499.5	0.0	1806.1	0.00	6.00	0	1056.3
9/20/22 08:12	120.38	73.85	499.6	0.0	1806.1	0.00	6.00	0	1054.6
9/20/22 08:13	121.43	73.91	500.2	0.0	1807.0	0.00	6.00	0	1063.7
9/20/22 08:14	121.97	73.56	500.2	0.0	1807.3	0.00	6.00	0	1068.4
9/20/22 08:15	121.95	73.57	500.2	0.0	1808.0	0.00	6.00	0	1068.3
9/20/22 08:16	122.30	73.64	500.2	0.0	1808.3	0.00	6.00	0	1071.4
9/20/22 08:17	122.03	73.78	500.5	0.0	1807.9	0.00	6.00	0	1069.0
9/20/22 08:18	121.89	73.55	500.6	0.0	1808.2	0.00	6.00	0	1067.8
9/20/22 08:19	121.76	73.58	500.5	0.0	1807.9	0.00	6.00	0	1066.7
9/20/22 08:20	121.58	73.46	500.9	0.0	1808.2	0.00	6.00	0	1065.0
9/20/22 08:21	121.44	73.55	500.8	0.0	1808.5	0.00	6.00	0	1063.8
9/20/22 08:22	121.08	73.47	501.1	0.0	1808.9	0.00	6.00	0	1060.7
9/20/22 08:23	120.84	73.50	501.4	0.0	1809.5	0.00	6.00	0	1058.6
9/20/22 08:24	121.03	73.54	501.4	0.0	1809.5	0.00	6.00	0	1060.2
9/20/22 08:25	121.15	73.80	501.4	0.0	1808.9	0.00	6.00	0	1061.3
9/20/22 08:26	121.14	73.58	501.4	0.0	1808.9	0.00	6.00	0	1061.1
9/20/22 08:27	121.28	73.62	501.4	0.0	1809.5	0.00	6.00	0	1062.4
9/20/22 08:28	121.09	73.43	501.8	0.0	1809.4	0.00	6.00	0	1060.8
9/20/22 08:29	121.20	73.50	501.4	0.0	1809.9	0.00	6.00	0	1061.7
9/20/22 08:30	121.26	74.07	501.6	0.0	1810.1	0.00	6.00	0	1062.2
9/20/22 08:31	120.84	73.57	502.2	0.0	1811.1	0.00	6.00	0	1058.5
9/20/22 08:32	120.71	73.52	502.4	0.0	1811.4	0.00	6.00	0	1057.5
9/20/22 08:33	120.34	73.41	502.5	0.0	1811.0	0.00	6.00	0	1054.2
9/20/22 08:34	120.69	73.90	502.4	0.0	1811.0	0.00	6.00	0	1057.2
9/20/22 08:35	121.18	73.68	502.6	0.0	1811.1	0.00	6.00	0	1061.5
9/20/22 08:36	121.39	73.65	501.8	0.0	1810.5	0.00	6.00	0	1063.3
9/20/22 08:37	121.14	73.33	502.6	0.0	1811.3	0.00	6.00	0	1061.2
9/20/22 08:38	121.15	73.65	502.6	0.0	1810.5	0.00	6.00	0	1061.3
9/20/22 08:39	121.15	73.54	502.6	0.0	1811.6	0.00	6.00	0	1061.3
9/20/22 08:40	121.18	73.58	502.6	0.0	1812.4	0.00	6.00	0	1061.5
9/20/22 08:41	121.78	73.51	503.0	0.0	1813.3	0.00	6.00	0	1066.8
9/20/22 08:42	121.29	73.61	503.2	0.0	1813.5	0.00	6.00	0	1062.5
9/20/22 08:43	121.43	73.56	503.4	0.0	1813.5	0.00	6.00	0	1063.7
9/20/22 08:44	121.18	73.44	503.7	0.0	1813.5	0.00	6.00	0	1061.5
9/20/22 08:45	121.15	73.71	503.5	0.0	1813.5	0.00	6.00	0	1061.3
9/20/22 08:46	121.18	73.47	503.7	0.0	1813.6	0.00	6.00	0	1061.6
9/20/22 08:47	121.14	73.78	503.7	0.0	1813.8	0.00	6.00	0	1061.1
9/20/22 08:48	121.37	73.93	503.7	0.0	1813.6	0.00	6.00	0	1063.2
9/20/22 08:49	121.38	73.58	503.7	0.0	1813.9	0.00	6.00	0	1063.3
9/20/22 08:50	121.52	73.72	503.8	0.0	1814.9	0.00	6.00	0	1064.5
9/20/22 08:51	121.47	73.53	503.9	0.0	1814.9	0.00	6.00	0	1064.0
9/20/22 08:52	121.47	73.60	503.7	0.0	1814.5	0.00	6.00	0	1064.0
9/20/22 08:53	121.14	73.40	503.9	0.0	1814.8	0.00	6.00	0	1061.2
9/20/22 08:54	121.14	73.63	503.7	0.0	1814.6	0.00	6.00	0	1061.2
9/20/22 08:55	121.47	73.70	503.9	0.0	1814.8	0.00	6.00	0	1064.1
9/20/22 08:56	121.06	73.69	504.3	0.0	1815.5	0.00	6.00	0	1060.5
9/20/22 08:57	120.88	73.41	504.7	0.0	1816.2	0.00	6.00	0	1058.9
9/20/22 08:58	121.09	74.14	504.9	0.0	1817.4	0.00	6.00	0	1060.8
9/20/22 08:59	120.94	73.43	504.7	0.0	1816.5	0.00	6.00	0	1059.4
9/20/22 09:00	120.70	73.90	504.7	0.0	1816.4	0.00	6.00	0	1057.4
9/20/22 09:01	120.81	73.86	504.7	0.0	1816.7	0.00	6.00	0	1058.3
9/20/22 09:02	121.88	73.60	505.3	0.0	1818.0	0.00	6.00	0	1067.7
9/20/22 09:03	121.44	73.73	505.2	0.0	1817.4	0.00	6.00	0	1063.8
9/20/22 09:04	121.14	73.55	505.2	0.0	1817.4	0.00	6.00	0	1061.1
9/20/22 09:05	121.18	73.54	505.1	0.0	1817.3	0.00	6.00	0	1061.6
9/20/22 09:06	120.85	73.80	505.1	0.0	1817.1	0.00	6.00	0	1058.6
9/20/22 09:07	120.51	73.74	505.7	0.0	1818.0	0.00	6.00	0	1055.7
9/20/22 09:08	120.40	73.95	504.9	0.0	1817.4	0.00	6.00	0	1054.7
9/20/22 09:09	120.71	73.73	506.1	0.0	1818.8	0.00	6.00	0	1057.4
9/20/22 09:10	120.74	73.32	506.0	0.0	1818.3	0.00	6.00	0	1057.7
9/20/22 09:11	120.50	73.67	506.1	0.0	1818.3	0.00	6.00	0	1055.6
9/20/22 09:12	120.70	73.56	506.0	0.0	1818.2	0.00	6.00	0	1057.3
9/20/22 09:13	120.61	73.61	506.1	0.0	1818.0	0.00	6.00	0	1056.5
9/20/22 09:14	120.62	73.73	506.1	0.0	1819.2	0.00	6.00	0	1056.7
9/20/22 09:15	120.56	73.90	506.1	0.0	1819.7	0.00	6.00	0	1056.1
9/20/22 09:16	120.56	73.53	505.8	0.0	1819.4	0.00	6.00	0	1056.1
9/20/22 09:17	120.29	73.93	506.1	0.0	1818.9	0.00	6.00	0	1053.7
9/20/22 09:18	120.57	73.72	507.2	0.0	1822.0	0.00	6.00	0	1056.2

9/20/22 09:19	120.61	74.10	508.1	0.0	1823.0	0.00	6.00	0	1056.5
9/20/22 09:20	120.05	73.65	507.2	0.0	1820.4	0.00	6.00	0	1051.7
9/20/22 09:21	120.03	73.50	506.3	0.0	1819.2	0.00	6.00	0	1051.5
9/20/22 09:22	120.01	73.83	506.1	0.0	1818.6	0.00	6.00	0	1051.3
9/20/22 09:23	120.35	73.69	507.2	0.0	1820.2	0.00	6.00	0	1054.2
9/20/22 09:24	120.32	73.95	506.9	0.0	1820.4	0.00	6.00	0	1054.0
9/20/22 09:25	120.32	73.65	506.7	0.0	1820.4	0.00	6.00	0	1054.0
9/20/22 09:26	120.50	73.67	506.7	0.0	1820.4	0.00	6.00	0	1055.6
9/20/22 09:27	120.62	73.65	507.2	0.0	1821.2	0.00	6.00	0	1056.7
9/20/22 09:28	120.46	73.90	507.4	0.0	1821.5	0.00	6.00	0	1055.2
9/20/22 09:29	120.74	73.73	507.4	0.0	1821.6	0.00	6.00	0	1057.7
9/20/22 09:30	120.70	73.53	508.0	0.0	1822.7	0.00	6.00	0	1057.4
9/20/22 09:31	120.40	73.69	507.4	0.0	1821.7	0.00	6.00	0	1054.7
9/20/22 09:32	120.56	73.58	507.9	0.0	1822.7	0.00	6.00	0	1056.1
9/20/22 09:33	120.85	73.83	507.5	0.0	1822.9	0.00	6.00	0	1058.6
9/20/22 09:34	120.59	73.77	507.7	0.0	1822.7	0.00	6.00	0	1056.3
9/20/22 09:35	120.56	73.72	507.4	0.0	1822.0	0.00	6.00	0	1056.1
9/20/22 09:36	121.29	73.90	507.6	0.0	1821.8	0.00	6.00	0	1062.5
9/20/22 09:37	120.70	73.32	507.5	0.0	1821.7	0.00	6.00	0	1057.3
9/20/22 09:38	120.09	73.64	507.4	0.0	1821.6	0.00	6.00	0	1052.0
9/20/22 09:39	120.10	73.96	508.0	0.0	1822.3	0.00	6.00	0	1052.1
9/20/22 09:40	120.15	73.75	508.3	0.0	1823.1	0.00	6.00	0	1052.5
9/20/22 09:41	120.35	73.62	508.1	0.0	1823.0	0.00	6.00	0	1054.2
9/20/22 09:42	120.10	73.72	508.5	0.0	1822.7	0.00	6.00	0	1052.1
9/20/22 09:43	120.51	73.68	509.1	0.0	1824.8	0.00	6.00	0	1055.7
9/20/22 09:44	120.62	73.88	508.9	0.0	1824.8	0.00	6.00	0	1056.7
9/20/22 09:45	120.79	73.83	508.4	0.0	1824.2	0.00	6.00	0	1058.2
9/20/22 09:46	120.80	73.65	508.9	0.0	1824.7	0.00	6.00	0	1058.2
9/20/22 09:47	120.90	73.52	508.9	0.0	1824.5	0.00	6.00	0	1059.1
9/20/22 09:48	120.91	73.64	508.4	0.0	1823.2	0.00	6.00	0	1059.2
9/20/22 09:49	120.84	73.23	508.5	0.0	1823.4	0.00	6.00	0	1058.5
9/20/22 09:50	120.64	73.48	508.9	0.0	1824.5	0.00	6.00	0	1056.8
9/20/22 09:51	120.63	73.89	509.3	0.0	1826.3	0.00	6.00	0	1056.8
9/20/22 09:52	120.56	73.55	509.9	0.0	1827.4	0.00	6.00	0	1056.1
9/20/22 09:53	120.96	73.89	509.7	0.0	1826.2	0.00	6.00	0	1059.6
9/20/22 09:54	120.75	73.65	509.7	0.0	1826.1	0.00	6.00	0	1057.8
9/20/22 09:55	120.32	73.88	509.7	0.0	1825.9	0.00	6.00	0	1054.0
9/20/22 09:56	120.57	73.50	509.8	0.0	1826.3	0.00	6.00	0	1056.2
9/20/22 09:57	120.62	74.08	509.7	0.0	1826.0	0.00	6.00	0	1056.7
9/20/22 09:58	120.40	73.38	509.7	0.0	1826.1	0.00	6.00	0	1054.7
9/20/22 09:59	120.19	73.48	509.2	0.0	1825.7	0.00	6.00	0	1052.9
9/20/22 10:00	120.62	73.62	510.0	0.0	1828.0	0.00	6.00	0	1056.6
9/20/22 10:01	120.46	73.44	509.7	0.0	1827.1	0.00	6.00	0	1055.2
9/20/22 10:02	120.46	73.64	509.6	0.0	1826.1	0.00	6.00	0	1055.2
9/20/22 10:03	120.70	73.85	509.7	0.0	1826.6	0.00	6.00	0	1057.4
9/20/22 10:04	120.64	73.61	509.9	0.0	1827.4	0.00	6.00	0	1056.8
9/20/22 10:05	120.46	73.40	509.7	0.0	1826.0	0.00	6.00	0	1055.3
9/20/22 10:06	120.20	73.43	509.7	0.0	1826.3	0.00	6.00	0	1053.0
9/20/22 10:07	120.23	73.84	509.7	0.0	1826.7	0.00	6.00	0	1053.2
9/20/22 10:08	119.99	73.83	510.4	0.0	1828.2	0.00	6.00	0	1051.1
9/20/22 10:09	119.87	73.82	509.7	0.0	1826.7	0.00	6.00	0	1050.1
9/20/22 10:10	120.10	73.97	509.9	0.0	1827.9	0.00	6.00	0	1052.1
9/20/22 10:11	120.61	73.46	510.6	0.0	1828.4	0.00	6.00	0	1056.5
9/20/22 10:12	120.27	73.99	510.5	0.0	1828.0	0.00	6.00	0	1053.6
9/20/22 10:13	120.01	73.86	510.1	0.0	1827.2	0.00	6.00	0	1051.3
9/20/22 10:14	120.05	73.57	510.2	0.0	1827.0	0.00	6.00	0	1051.7
9/20/22 10:15	120.69	73.87	510.3	0.0	1827.5	0.00	6.00	0	1057.2
9/20/22 10:16	120.85	73.77	510.1	0.0	1827.0	0.00	6.00	0	1058.6
9/20/22 10:17	120.42	73.79	510.4	0.0	1828.0	0.00	6.00	0	1054.8
9/20/22 10:18	120.70	73.41	510.8	0.0	1829.1	0.00	6.00	0	1057.4
9/20/22 10:19	120.61	73.61	510.6	0.0	1828.7	0.00	6.00	0	1056.5
9/20/22 10:20	120.62	73.84	510.8	0.0	1828.9	0.00	6.00	0	1056.7
9/20/22 10:21	120.46	73.76	510.8	0.0	1828.4	0.00	6.00	0	1055.2
9/20/22 10:22	120.28	73.49	510.8	0.0	1828.3	0.00	6.00	0	1053.7
9/20/22 10:23	120.15	73.88	511.0	0.0	1829.9	0.00	6.00	0	1052.5
9/20/22 10:24	120.51	73.84	511.6	0.0	1830.7	0.00	6.00	0	1055.6
9/20/22 10:25	120.51	73.97	511.4	0.0	1830.7	0.00	6.00	0	1055.7
9/20/22 10:26	120.44	73.83	511.0	0.0	1830.2	0.00	6.00	0	1055.1
9/20/22 10:27	120.57	73.78	510.8	0.0	1830.1	0.00	6.00	0	1056.2
9/20/22 10:28	120.50	73.51	511.6	0.0	1830.7	0.00	6.00	0	1055.6
9/20/22 10:29	120.57	73.48	511.6	0.0	1830.6	0.00	6.00	0	1056.2
9/20/22 10:30	120.61	73.81	511.6	0.0	1830.1	0.00	6.00	0	1056.5

9/20/22 10:31	120.46	73.71	510.8	0.0	1829.1	0.00	6.00	0	1055.2
9/20/22 10:32	120.89	73.66	511.2	0.0	1829.8	0.00	6.00	0	1059.0
9/20/22 10:33	121.14	73.72	511.3	0.0	1829.8	0.00	6.00	0	1061.2
9/20/22 10:34	120.75	73.58	510.9	0.0	1829.4	0.00	6.00	0	1057.8
9/20/22 10:35	120.25	73.85	510.8	0.0	1829.2	0.00	6.00	0	1053.4
9/20/22 10:36	120.75	73.54	510.8	0.0	1828.6	0.00	6.00	0	1057.8
9/20/22 10:37	120.68	73.64	511.0	0.0	1829.8	0.00	6.00	0	1057.2
9/20/22 10:38	120.69	73.64	511.6	0.0	1830.4	0.00	6.00	0	1057.2
9/20/22 10:39	121.18	73.65	512.5	0.0	1831.7	0.00	6.00	0	1061.5
9/20/22 10:40	121.14	73.92	511.9	0.0	1830.4	0.00	6.00	0	1061.1
9/20/22 10:41	120.98	73.71	511.6	0.0	1829.5	0.00	6.00	0	1059.8
9/20/22 10:42	120.93	73.66	510.8	0.0	1829.2	0.00	6.00	0	1059.4
9/20/22 10:43	120.88	73.53	510.8	0.0	1829.8	0.00	6.00	0	1058.9
9/20/22 10:44	120.61	73.78	510.8	0.0	1829.5	0.00	6.00	0	1056.5
9/20/22 10:45	120.71	73.85	510.8	0.0	1829.4	0.00	6.00	0	1057.4
9/20/22 10:46	120.88	73.43	511.2	0.0	1829.9	0.00	6.00	0	1058.9
9/20/22 10:47	120.79	73.58	511.6	0.0	1830.4	0.00	6.00	0	1058.2
9/20/22 10:48	120.69	73.67	511.9	0.0	1830.4	0.00	6.00	0	1057.2
9/20/22 10:49	120.60	73.95	511.8	0.0	1829.9	0.00	6.00	0	1056.5
9/20/22 10:50	120.74	73.87	512.1	0.0	1831.3	0.00	6.00	0	1057.7
9/20/22 10:51	120.26	73.69	511.9	0.0	1830.4	0.00	6.00	0	1053.5
9/20/22 10:52	120.29	73.55	511.7	0.0	1829.9	0.00	6.00	0	1053.8
9/20/22 10:53	120.35	73.86	512.0	0.0	1831.8	0.00	6.00	0	1054.2
9/20/22 10:54	120.40	73.73	512.2	0.0	1831.8	0.00	6.00	0	1054.7
9/20/22 10:55	120.15	73.64	512.9	0.0	1832.8	0.00	6.00	0	1052.5
9/20/22 10:56	120.05	73.73	512.3	0.0	1831.3	0.00	6.00	0	1051.7
9/20/22 10:57	120.78	73.69	511.9	0.0	1830.6	0.00	6.00	0	1058.0
9/20/22 10:58	121.08	73.81	511.9	0.0	1830.2	0.00	6.00	0	1060.7
9/20/22 10:59	120.99	74.02	512.1	0.0	1830.7	0.00	6.00	0	1059.9
9/20/22 11:00	120.93	73.96	511.9	0.0	1830.5	0.00	6.00	0	1059.3
9/20/22 11:01	120.34	73.78	511.9	0.0	1832.3	0.00	6.00	0	1054.2
9/20/22 11:02	120.68	73.61	513.2	0.0	1834.1	0.00	6.00	0	1057.1
9/20/22 11:03	120.88	73.85	513.1	0.0	1833.8	0.00	6.00	0	1058.9
9/20/22 11:04	120.83	73.83	512.7	0.0	1832.6	0.00	6.00	0	1058.5
9/20/22 11:05	120.63	73.62	512.9	0.0	1832.6	0.00	6.00	0	1056.8
9/20/22 11:06	120.74	73.95	512.1	0.0	1831.1	0.00	6.00	0	1057.7
9/20/22 11:07	120.22	73.58	511.9	0.0	1830.7	0.00	6.00	0	1053.1
9/20/22 11:08	120.33	73.44	512.7	0.0	1832.3	0.00	6.00	0	1054.1
9/20/22 11:09	120.34	73.53	512.5	0.0	1832.9	0.00	6.00	0	1054.2
9/20/22 11:10	120.40	73.75	512.7	0.0	1832.1	0.00	6.00	0	1054.7
9/20/22 11:11	120.47	73.58	513.3	0.0	1833.6	0.00	6.00	0	1055.3
9/20/22 11:12	120.51	73.69	513.1	0.0	1834.2	0.00	6.00	0	1055.6
9/20/22 11:13	120.89	73.71	512.7	0.0	1831.9	0.00	6.00	0	1059.0
9/20/22 11:14	120.88	73.73	513.3	0.0	1833.5	0.00	6.00	0	1058.9
9/20/22 11:15	120.35	73.33	513.5	0.0	1833.8	0.00	6.00	0	1054.2
9/20/22 11:16	120.49	73.95	513.1	0.0	1833.2	0.00	6.00	0	1055.5
9/20/22 11:17	120.39	73.62	513.1	0.0	1832.9	0.00	6.00	0	1054.6
9/20/22 11:18	120.51	73.86	513.1	0.0	1832.7	0.00	6.00	0	1055.7
9/20/22 11:19	120.75	73.23	513.1	0.0	1832.9	0.00	6.00	0	1057.8
9/20/22 11:20	120.40	73.48	513.1	0.0	1833.6	0.00	6.00	0	1054.7
9/20/22 11:21	120.40	73.48	513.1	0.0	1833.5	0.00	6.00	0	1054.7
9/20/22 11:22	120.01	73.56	513.1	0.0	1832.9	0.00	6.00	0	1051.3
9/20/22 11:23	120.15	73.53	512.7	0.0	1832.0	0.00	6.00	0	1052.5
9/20/22 11:24	120.30	73.84	512.8	0.0	1831.5	0.00	6.00	0	1053.8
9/20/22 11:25	120.56	73.78	512.7	0.0	1832.0	0.00	6.00	0	1056.1
9/20/22 11:26	120.67	73.62	512.8	0.0	1832.1	0.00	6.00	0	1057.0
9/20/22 11:27	120.67	73.52	513.5	0.0	1833.8	0.00	6.00	0	1057.0
9/20/22 11:28	121.20	73.79	512.9	0.0	1832.3	0.00	6.00	0	1061.7
9/20/22 11:29	120.65	73.50	513.1	0.0	1832.7	0.00	6.00	0	1056.9
9/20/22 11:30	120.79	73.91	513.9	0.0	1836.1	0.00	6.00	0	1058.1
9/20/22 11:31	120.96	73.67	514.3	0.0	1836.1	0.00	6.00	0	1059.6
9/20/22 11:32	121.34	73.46	514.1	0.0	1835.1	0.00	6.00	0	1062.9
9/20/22 11:33	121.14	73.66	514.1	0.0	1835.4	0.00	6.00	0	1061.1
9/20/22 11:34	121.25	73.62	513.5	0.0	1834.0	0.00	6.00	0	1062.1
9/20/22 11:35	121.09	73.42	513.1	0.0	1832.8	0.00	6.00	0	1060.8
9/20/22 11:36	121.04	73.50	513.1	0.0	1833.9	0.00	6.00	0	1060.3
9/20/22 11:37	121.06	73.68	514.1	0.0	1835.7	0.00	6.00	0	1060.5
9/20/22 11:38	120.62	73.33	514.3	0.0	1836.5	0.00	6.00	0	1056.6
9/20/22 11:39	120.88	73.52	513.7	0.0	1835.1	0.00	6.00	0	1058.9
Run 6 End - FO	**120.75**	**73.67**	**508.03**	**0.00**	**1823.04**	**0.00**	**6.00**	**0**	**1057.7**
Run 7 Start - FO									

9/20/22 12:57	120.62	73.37	515.7	0.0	1839.8	0.00	6.00	0	1056.7
9/20/22 12:58	120.66	73.74	515.5	0.0	1839.2	0.00	6.00	0	1057.0
9/20/22 12:59	120.71	73.25	515.5	0.0	1838.2	0.00	6.00	0	1057.4
9/20/22 13:00	120.84	73.54	515.5	0.0	1838.3	0.00	6.00	0	1058.5
9/20/22 13:01	121.04	73.81	515.5	0.0	1838.0	0.00	6.00	0	1060.3
9/20/22 13:02	120.98	73.36	516.8	0.0	1840.8	0.00	6.00	0	1059.8
9/20/22 13:03	120.84	73.90	516.8	0.0	1840.5	0.00	6.00	0	1058.5
9/20/22 13:04	120.61	73.61	517.0	0.0	1842.1	0.00	6.00	0	1056.5
9/20/22 13:05	120.79	73.71	517.8	0.0	1843.4	0.00	6.00	0	1058.1
9/20/22 13:06	120.88	73.57	516.7	0.0	1841.5	0.00	6.00	0	1058.9
9/20/22 13:07	120.66	73.91	516.5	0.0	1839.8	0.00	6.00	0	1057.0
9/20/22 13:08	120.71	73.65	515.5	0.0	1839.0	0.00	6.00	0	1057.4
9/20/22 13:09	121.14	73.50	516.8	0.0	1840.8	0.00	6.00	0	1061.2
9/20/22 13:10	121.04	73.60	516.5	0.0	1840.4	0.00	6.00	0	1060.3
9/20/22 13:11	120.88	73.69	516.3	0.0	1839.7	0.00	6.00	0	1058.9
9/20/22 13:12	120.88	73.77	516.8	0.0	1840.2	0.00	6.00	0	1058.9
9/20/22 13:13	120.84	73.75	516.8	0.0	1840.9	0.00	6.00	0	1058.5
9/20/22 13:14	120.62	73.67	515.8	0.0	1839.8	0.00	6.00	0	1056.7
9/20/22 13:15	120.62	73.62	516.6	0.0	1840.2	0.00	6.00	0	1056.7
9/20/22 13:16	120.71	73.48	517.4	0.0	1842.1	0.00	6.00	0	1057.5
9/20/22 13:17	120.78	73.83	517.8	0.0	1842.4	0.00	6.00	0	1058.0
9/20/22 13:18	120.76	73.56	517.6	0.0	1842.4	0.00	6.00	0	1057.9
9/20/22 13:19	120.76	73.64	516.8	0.0	1839.7	0.00	6.00	0	1057.8
9/20/22 13:20	120.83	73.60	516.3	0.0	1839.2	0.00	6.00	0	1058.5
9/20/22 13:21	120.84	73.58	516.9	0.0	1841.4	0.00	6.00	0	1058.5
9/20/22 13:22	120.88	73.83	517.7	0.0	1843.0	0.00	6.00	0	1058.9
9/20/22 13:23	120.88	73.65	517.3	0.0	1842.3	0.00	6.00	0	1058.9
9/20/22 13:24	120.88	73.52	517.5	0.0	1842.1	0.00	6.00	0	1058.9
9/20/22 13:25	120.93	73.70	516.1	0.0	1839.3	0.00	6.00	0	1059.4
9/20/22 13:26	121.25	73.55	516.8	0.0	1840.4	0.00	6.00	0	1062.2
9/20/22 13:27	120.96	73.77	517.1	0.0	1841.9	0.00	6.00	0	1059.6
9/20/22 13:28	120.62	73.61	516.1	0.0	1839.0	0.00	6.00	0	1056.7
9/20/22 13:29	120.67	73.59	516.3	0.0	1839.6	0.00	6.00	0	1057.0
9/20/22 13:30	120.89	73.56	516.0	0.0	1839.9	0.00	6.00	0	1059.0
9/20/22 13:31	120.88	73.70	516.9	0.0	1840.7	0.00	6.00	0	1058.9
9/20/22 13:32	120.93	73.52	516.9	0.0	1841.8	0.00	6.00	0	1059.4
9/20/22 13:33	120.88	73.58	517.4	0.0	1841.8	0.00	6.00	0	1058.9
9/20/22 13:34	120.88	73.86	516.6	0.0	1840.2	0.00	6.00	0	1058.9
9/20/22 13:35	120.93	73.41	517.2	0.0	1841.1	0.00	6.00	0	1059.4
9/20/22 13:36	121.15	73.56	517.7	0.0	1841.0	0.00	6.00	0	1061.3
9/20/22 13:37	120.72	73.64	517.5	0.0	1841.4	0.00	6.00	0	1057.5
9/20/22 13:38	121.32	73.41	517.3	0.0	1842.0	0.00	6.00	0	1062.8
9/20/22 13:39	121.59	73.59	517.9	0.0	1843.6	0.00	6.00	0	1065.2
9/20/22 13:40	121.39	73.28	519.2	0.0	1846.1	0.00	6.00	0	1063.4
9/20/22 13:41	121.34	73.28	519.8	0.0	1848.5	0.00	6.00	0	1062.9
9/20/22 13:42	121.10	73.64	520.0	0.0	1846.5	0.00	6.00	0	1060.8
9/20/22 13:43	121.08	73.26	519.7	0.0	1845.2	0.00	6.00	0	1060.7
9/20/22 13:44	120.93	73.39	518.1	0.0	1842.6	0.00	6.00	0	1059.4
9/20/22 13:45	121.20	73.63	517.7	0.0	1841.5	0.00	6.00	0	1061.7
9/20/22 13:46	121.44	73.78	517.5	0.0	1841.3	0.00	6.00	0	1063.8
9/20/22 13:47	121.97	73.74	517.9	0.0	1842.7	0.00	6.00	0	1068.5
9/20/22 13:48	121.43	73.70	517.3	0.0	1841.7	0.00	6.00	0	1063.8
9/20/22 13:49	121.71	73.82	517.9	0.0	1843.5	0.00	6.00	0	1066.2
9/20/22 13:50	121.60	73.37	516.9	0.0	1841.6	0.00	6.00	0	1065.2
9/20/22 13:51	121.54	73.67	516.7	0.0	1840.5	0.00	6.00	0	1064.7
9/20/22 13:52	121.75	73.52	516.7	0.0	1840.1	0.00	6.00	0	1066.5
9/20/22 13:53	121.39	73.52	517.1	0.0	1841.2	0.00	6.00	0	1063.4
9/20/22 13:54	121.09	73.83	517.1	0.0	1841.4	0.00	6.00	0	1060.7
9/20/22 13:55	120.88	73.43	516.8	0.0	1841.2	0.00	6.00	0	1058.9
9/20/22 13:56	121.15	73.69	517.7	0.0	1843.4	0.00	6.00	0	1061.3
9/20/22 13:57	120.89	73.75	516.8	0.0	1841.4	0.00	6.00	0	1059.0
9/20/22 13:58	120.62	73.66	515.9	0.0	1839.9	0.00	6.00	0	1056.7
9/20/22 13:59	120.62	73.51	516.7	0.0	1840.7	0.00	6.00	0	1056.7
9/20/22 14:00	120.62	73.51	516.8	0.0	1841.3	0.00	6.00	0	1056.7
9/20/22 14:01	120.62	73.82	516.8	0.0	1841.0	0.00	6.00	0	1056.7
9/20/22 14:02	120.62	73.66	517.7	0.0	1842.4	0.00	6.00	0	1056.7
9/20/22 14:03	120.62	73.62	517.9	0.0	1843.3	0.00	6.00	0	1056.7
9/20/22 14:04	120.20	73.81	517.5	0.0	1841.9	0.00	6.00	0	1052.9
9/20/22 14:05	120.35	73.71	517.9	0.0	1843.7	0.00	6.00	0	1054.2
9/20/22 14:06	120.35	73.66	517.8	0.0	1844.2	0.00	6.00	0	1054.2
9/20/22 14:07	120.46	73.68	518.1	0.0	1843.0	0.00	6.00	0	1055.2
9/20/22 14:08	120.62	73.91	519.6	0.0	1846.2	0.00	6.00	0	1056.7

9/20/22 14:09	120.29	73.81	520.0	0.0	1846.2	0.00	6.00	0	1053.8
9/20/22 14:10	120.39	73.67	520.6	0.0	1846.8	0.00	6.00	0	1054.6
9/20/22 14:11	120.29	73.65	519.9	0.0	1844.4	0.00	6.00	0	1053.8
9/20/22 14:12	120.56	73.97	520.6	0.0	1845.8	0.00	6.00	0	1056.1
9/20/22 14:13	120.57	73.33	520.4	0.0	1845.6	0.00	6.00	0	1056.2
9/20/22 14:14	120.62	73.50	521.3	0.0	1847.1	0.00	6.00	0	1056.7
9/20/22 14:15	120.62	73.71	521.9	0.0	1847.9	0.00	6.00	0	1056.7
9/20/22 14:16	120.67	73.78	522.5	0.0	1849.0	0.00	6.00	0	1057.0
9/20/22 14:17	120.99	73.43	522.5	0.0	1848.8	0.00	6.00	0	1059.9
9/20/22 14:18	121.31	73.56	521.5	0.0	1846.5	0.00	6.00	0	1062.6
9/20/22 14:19	121.64	73.62	521.5	0.0	1845.4	0.00	6.00	0	1065.6
9/20/22 14:20	121.59	73.70	521.3	0.0	1845.2	0.00	6.00	0	1065.1
9/20/22 14:21	121.04	73.91	522.5	0.0	1847.8	0.00	6.00	0	1060.3
9/20/22 14:22	121.57	73.52	522.5	0.0	1848.4	0.00	6.00	0	1064.9
9/20/22 14:23	121.47	73.63	522.1	0.0	1847.4	0.00	6.00	0	1064.0
9/20/22 14:24	121.84	73.68	522.1	0.0	1847.7	0.00	6.00	0	1067.4
9/20/22 14:25	121.74	73.85	523.0	0.0	1848.4	0.00	6.00	0	1066.4
9/20/22 14:26	121.43	73.62	522.1	0.0	1845.9	0.00	6.00	0	1063.8
9/20/22 14:27	120.88	73.79	522.6	0.0	1847.3	0.00	6.00	0	1058.9
9/20/22 14:28	120.98	73.85	523.1	0.0	1848.5	0.00	6.00	0	1059.8
9/20/22 14:29	121.21	73.95	522.7	0.0	1848.0	0.00	6.00	0	1061.8
9/20/22 14:30	121.20	73.54	522.9	0.0	1849.1	0.00	6.00	0	1061.7
9/20/22 14:31	121.21	73.71	523.2	0.0	1849.1	0.00	6.00	0	1061.8
9/20/22 14:32	121.10	73.66	522.2	0.0	1846.6	0.00	6.00	0	1060.8
9/20/22 14:33	121.00	73.59	522.5	0.0	1846.8	0.00	6.00	0	1059.9
9/20/22 14:34	120.88	73.88	521.3	0.0	1845.2	0.00	6.00	0	1058.9
9/20/22 14:35	121.06	73.38	522.2	0.0	1846.1	0.00	6.00	0	1060.5
9/20/22 14:36	121.15	73.68	522.7	0.0	1847.5	0.00	6.00	0	1061.3
9/20/22 14:37	121.06	73.64	521.0	0.0	1843.8	0.00	6.00	0	1060.5
9/20/22 14:38	121.67	73.78	520.7	0.0	1843.4	0.00	6.00	0	1065.9
9/20/22 14:39	121.59	73.46	521.7	0.0	1844.6	0.00	6.00	0	1065.1
9/20/22 14:40	121.44	73.36	521.3	0.0	1845.1	0.00	6.00	0	1063.8
9/20/22 14:41	121.50	73.68	521.0	0.0	1845.0	0.00	6.00	0	1064.3
9/20/22 14:42	121.18	73.69	521.0	0.0	1844.5	0.00	6.00	0	1061.6
9/20/22 14:43	120.96	73.77	520.2	0.0	1842.7	0.00	6.00	0	1059.6
9/20/22 14:44	120.88	73.49	520.2	0.0	1842.2	0.00	6.00	0	1058.9
9/20/22 14:45	121.13	73.66	520.8	0.0	1843.9	0.00	6.00	0	1061.1
9/20/22 14:46	121.37	73.73	520.2	0.0	1842.7	0.00	6.00	0	1063.2
9/20/22 14:47	121.42	73.81	520.4	0.0	1843.0	0.00	6.00	0	1063.7
9/20/22 14:48	121.25	73.56	520.3	0.0	1843.3	0.00	6.00	0	1062.2
9/20/22 14:49	121.20	73.94	520.2	0.0	1842.7	0.00	6.00	0	1061.7
9/20/22 14:50	121.21	73.46	520.6	0.0	1843.3	0.00	6.00	0	1061.8
9/20/22 14:51	121.20	73.84	520.6	0.0	1843.2	0.00	6.00	0	1061.7
9/20/22 14:52	120.94	73.80	520.3	0.0	1842.7	0.00	6.00	0	1059.4
9/20/22 14:53	121.11	73.74	521.2	0.0	1844.0	0.00	6.00	0	1060.9
9/20/22 14:54	121.21	73.34	520.7	0.0	1843.3	0.00	6.00	0	1061.8
9/20/22 14:55	121.25	73.68	520.1	0.0	1842.3	0.00	6.00	0	1062.2
9/20/22 14:56	121.47	73.77	520.1	0.0	1841.7	0.00	6.00	0	1064.0
9/20/22 14:57	121.56	73.76	520.8	0.0	1844.5	0.00	6.00	0	1064.9
9/20/22 14:58	122.22	73.66	521.3	0.0	1844.3	0.00	6.00	0	1070.7
9/20/22 14:59	122.03	73.79	520.4	0.0	1842.7	0.00	6.00	0	1069.0
9/20/22 15:00	121.58	73.42	520.2	0.0	1842.3	0.00	6.00	0	1065.1
9/20/22 15:01	121.79	73.45	520.4	0.0	1842.8	0.00	6.00	0	1066.9
9/20/22 15:02	121.82	73.23	521.3	0.0	1843.7	0.00	6.00	0	1067.1
9/20/22 15:03	120.98	73.38	520.5	0.0	1842.3	0.00	6.00	0	1059.8
9/20/22 15:04	120.88	73.44	520.2	0.0	1842.0	0.00	6.00	0	1058.9
9/20/22 15:05	121.00	73.58	520.8	0.0	1843.4	0.00	6.00	0	1059.9
9/20/22 15:06	121.15	73.84	521.1	0.0	1844.6	0.00	6.00	0	1061.3
9/20/22 15:07	121.17	73.45	521.6	0.0	1845.5	0.00	6.00	0	1061.5
9/20/22 15:08	121.29	73.54	522.5	0.0	1846.8	0.00	6.00	0	1062.5
9/20/22 15:09	121.10	73.93	522.1	0.0	1845.9	0.00	6.00	0	1060.8
9/20/22 15:10	120.88	73.52	521.7	0.0	1845.1	0.00	6.00	0	1058.9
9/20/22 15:11	120.88	73.53	521.3	0.0	1843.9	0.00	6.00	0	1058.9
9/20/22 15:12	120.88	73.51	521.9	0.0	1845.2	0.00	6.00	0	1058.9
9/20/22 15:13	120.89	73.63	521.3	0.0	1843.3	0.00	6.00	0	1059.0
9/20/22 15:14	121.02	73.88	521.9	0.0	1845.1	0.00	6.00	0	1060.1
9/20/22 15:15	120.92	73.69	521.5	0.0	1844.7	0.00	6.00	0	1059.3
9/20/22 15:16	120.66	73.66	521.2	0.0	1843.9	0.00	6.00	0	1057.0
9/20/22 15:17	120.62	73.44	520.1	0.0	1842.5	0.00	6.00	0	1056.7
9/20/22 15:18	120.62	73.58	520.8	0.0	1842.7	0.00	6.00	0	1056.7
9/20/22 15:19	120.62	73.53	521.5	0.0	1844.8	0.00	6.00	0	1056.7
9/20/22 15:20	120.29	73.88	521.3	0.0	1844.1	0.00	6.00	0	1053.8

9/20/22 15:21	120.40	73.61	521.3	0.0	1843.7	0.00	6.00	0	1054.7
9/20/22 15:22	120.62	73.58	521.3	0.0	1844.9	0.00	6.00	0	1056.7
9/20/22 15:23	120.29	73.60	521.3	0.0	1844.5	0.00	6.00	0	1053.8
9/20/22 15:24	120.35	73.85	520.7	0.0	1843.1	0.00	6.00	0	1054.2
9/20/22 15:25	120.51	73.41	521.1	0.0	1844.3	0.00	6.00	0	1055.7
9/20/22 15:26	120.51	73.77	521.4	0.0	1844.3	0.00	6.00	0	1055.7
9/20/22 15:27	120.62	73.53	521.3	0.0	1845.0	0.00	6.00	0	1056.7
9/20/22 15:28	120.62	73.76	521.5	0.0	1844.9	0.00	6.00	0	1056.7
9/20/22 15:29	120.46	73.61	521.2	0.0	1843.7	0.00	6.00	0	1055.3
9/20/22 15:30	120.43	73.63	521.3	0.0	1843.4	0.00	6.00	0	1054.9
9/20/22 15:31	120.62	73.52	521.5	0.0	1844.7	0.00	6.00	0	1056.7
9/20/22 15:32	120.62	73.63	521.3	0.0	1843.6	0.00	6.00	0	1056.7
9/20/22 15:33	120.62	73.53	521.3	0.0	1843.6	0.00	6.00	0	1056.7
9/20/22 15:34	120.62	73.54	521.4	0.0	1843.9	0.00	6.00	0	1056.7
9/20/22 15:35	120.62	73.52	521.3	0.0	1844.6	0.00	6.00	0	1056.7
9/20/22 15:36	120.67	73.80	521.7	0.0	1845.0	0.00	6.00	0	1057.1
9/20/22 15:37	120.73	73.81	522.0	0.0	1845.2	0.00	6.00	0	1057.6
9/20/22 15:38	120.62	73.65	521.9	0.0	1844.7	0.00	6.00	0	1056.7
9/20/22 15:39	120.62	73.98	522.7	0.0	1846.9	0.00	6.00	0	1056.7
9/20/22 15:40	120.62	73.43	521.8	0.0	1845.6	0.00	6.00	0	1056.7
9/20/22 15:41	120.62	73.47	522.1	0.0	1846.2	0.00	6.00	0	1056.7
9/20/22 15:42	120.60	73.58	521.7	0.0	1845.2	0.00	6.00	0	1056.4
9/20/22 15:43	120.61	74.18	521.7	0.0	1845.4	0.00	6.00	0	1056.5
9/20/22 15:44	120.62	73.39	522.2	0.0	1846.1	0.00	6.00	0	1056.7
9/20/22 15:45	120.71	74.01	522.5	0.0	1846.2	0.00	6.00	0	1057.5
9/20/22 15:46	120.75	73.80	522.3	0.0	1845.6	0.00	6.00	0	1057.8
9/20/22 15:47	120.62	73.75	521.7	0.0	1844.9	0.00	6.00	0	1056.7
9/20/22 15:48	120.67	73.82	522.5	0.0	1846.1	0.00	6.00	0	1057.0
9/20/22 15:49	120.61	73.65	521.8	0.0	1845.0	0.00	6.00	0	1056.5
9/20/22 15:50	120.67	73.49	521.6	0.0	1844.6	0.00	6.00	0	1057.0
9/20/22 15:51	120.88	73.50	522.1	0.0	1846.5	0.00	6.00	0	1058.9
9/20/22 15:52	121.03	73.61	522.5	0.0	1847.1	0.00	6.00	0	1060.2
9/20/22 15:53	121.00	73.53	522.5	0.0	1846.2	0.00	6.00	0	1060.0
9/20/22 15:54	120.79	73.71	522.1	0.0	1845.5	0.00	6.00	0	1058.2
9/20/22 15:55	120.88	73.39	522.5	0.0	1845.7	0.00	6.00	0	1058.9
9/20/22 15:56	120.74	73.93	521.5	0.0	1843.9	0.00	6.00	0	1057.7
9/20/22 15:57	120.81	73.77	521.3	0.0	1844.0	0.00	6.00	0	1058.3
9/20/22 15:58	120.88	73.83	521.7	0.0	1845.8	0.00	6.00	0	1058.9
9/20/22 15:59	120.88	73.63	522.1	0.0	1846.2	0.00	6.00	0	1058.9
9/20/22 16:00	120.88	73.56	521.4	0.0	1844.2	0.00	6.00	0	1058.9
9/20/22 16:01	120.88	73.36	521.5	0.0	1844.4	0.00	6.00	0	1058.9
9/20/22 16:02	120.88	73.64	521.7	0.0	1844.8	0.00	6.00	0	1058.9
9/20/22 16:03	120.88	73.37	521.9	0.0	1844.7	0.00	6.00	0	1058.9
9/20/22 16:04	120.88	73.62	521.9	0.0	1844.8	0.00	6.00	0	1058.9
9/20/22 16:05	120.88	73.70	521.3	0.0	1843.2	0.00	6.00	0	1058.9
9/20/22 16:06	120.88	73.90	521.2	0.0	1843.0	0.00	6.00	0	1058.9
9/20/22 16:07	120.84	73.46	521.3	0.0	1843.8	0.00	6.00	0	1058.5
9/20/22 16:08	120.88	73.80	521.6	0.0	1845.4	0.00	6.00	0	1058.9
9/20/22 16:09	120.88	73.87	522.0	0.0	1845.5	0.00	6.00	0	1058.9
9/20/22 16:10	120.88	73.64	521.3	0.0	1843.8	0.00	6.00	0	1058.9
9/20/22 16:11	120.88	73.45	521.4	0.0	1844.5	0.00	6.00	0	1058.9
9/20/22 16:12	120.88	73.36	522.0	0.0	1845.1	0.00	6.00	0	1058.9
9/20/22 16:13	120.84	73.53	521.5	0.0	1844.9	0.00	6.00	0	1058.5
9/20/22 16:14	120.88	73.83	521.3	0.0	1843.7	0.00	6.00	0	1058.9
9/20/22 16:15	120.84	73.49	521.3	0.0	1843.9	0.00	6.00	0	1058.5
9/20/22 16:16	120.74	73.85	521.4	0.0	1844.0	0.00	6.00	0	1057.7
9/20/22 16:17	120.71	73.58	521.3	0.0	1844.0	0.00	6.00	0	1057.4
9/20/22 16:18	120.88	73.62	521.9	0.0	1845.1	0.00	6.00	0	1058.9
9/20/22 16:19	120.79	73.55	521.3	0.0	1844.3	0.00	6.00	0	1058.2
9/20/22 16:20	120.88	73.87	521.4	0.0	1844.2	0.00	6.00	0	1058.9
9/20/22 16:21	120.84	73.71	521.4	0.0	1843.6	0.00	6.00	0	1058.5
9/20/22 16:22	120.75	73.47	521.3	0.0	1842.8	0.00	6.00	0	1057.8
9/20/22 16:23	120.75	73.41	521.3	0.0	1843.6	0.00	6.00	0	1057.8
9/20/22 16:24	120.74	73.52	521.3	0.0	1844.4	0.00	6.00	0	1057.7
9/20/22 16:25	120.80	73.72	521.4	0.0	1844.7	0.00	6.00	0	1058.2
9/20/22 16:26	120.71	73.59	521.3	0.0	1843.7	0.00	6.00	0	1057.4
9/20/22 16:27	120.62	73.63	521.3	0.0	1843.5	0.00	6.00	0	1056.7
9/20/22 16:28	120.62	73.68	521.4	0.0	1843.7	0.00	6.00	0	1056.7
9/20/22 16:29	120.62	73.65	521.3	0.0	1843.7	0.00	6.00	0	1056.7
9/20/22 16:30	120.62	73.58	521.3	0.0	1844.0	0.00	6.00	0	1056.7
9/20/22 16:31	120.62	73.24	521.3	0.0	1843.6	0.00	6.00	0	1056.7
Run 7 End - FO	**120.93**	**73.63**	**520.01**	**0.00**	**1843.72**	**0.00**	**6.00**	**0**	**1059.3**

Unit 2

McI CT2 Process Data
Averaged Data Gaseous

Date Time	Oil Supply gpm	Load MW	Exhaust Temp deg. C	Gas Flow 10scfm	Turbine Inlet Temp deg F.	Gas On	Oil On	Gas scfh	Total Heat Input MMBtu/hr
Run 1 Start - NG									
9/21/22 08:56	0.00	75.90	502.2	1657.4	1818.9	6.00	0.00	994411	109385.2
9/21/22 08:57	0.00	75.77	502.0	1659.9	1818.4	6.00	0.00	995963	109556.0
9/21/22 08:58	0.00	75.78	502.1	1657.3	1819.3	6.00	0.00	994365	109380.2
9/21/22 08:59	0.00	75.60	502.0	1657.3	1818.8	6.00	0.00	994365	109380.2
9/21/22 09:00	0.00	75.76	502.1	1658.0	1817.6	6.00	0.00	994822	109430.4
9/21/22 09:01	0.00	75.73	502.0	1656.1	1817.3	6.00	0.00	993680	109304.8
9/21/22 09:02	0.00	76.03	502.0	1656.7	1818.1	6.00	0.00	994045	109345.0
9/21/22 09:03	0.00	75.88	502.1	1656.7	1818.0	6.00	0.00	994046	109345.0
9/21/22 09:04	0.00	75.75	501.6	1656.1	1817.6	6.00	0.00	993634	109299.8
9/21/22 09:05	0.00	75.71	502.1	1657.3	1818.6	6.00	0.00	994365	109380.2
9/21/22 09:06	0.00	75.75	501.8	1656.7	1818.2	6.00	0.00	994046	109345.0
9/21/22 09:07	0.00	75.77	502.2	1654.8	1818.5	6.00	0.00	992858	109214.4
9/21/22 09:08	0.00	75.69	502.7	1657.4	1818.4	6.00	0.00	994411	109385.2
9/21/22 09:09	0.00	75.86	502.1	1656.8	1817.6	6.00	0.00	994091	109350.1
9/21/22 09:10	0.00	75.93	502.2	1654.2	1818.2	6.00	0.00	992493	109174.2
9/21/22 09:11	0.00	76.10	502.6	1657.7	1818.8	6.00	0.00	994639	109410.3
9/21/22 09:12	0.00	75.79	502.1	1656.0	1817.5	6.00	0.00	993589	109294.7
9/21/22 09:13	0.00	75.85	502.2	1653.6	1817.8	6.00	0.00	992173	109139.1
9/21/22 09:14	0.00	75.98	502.6	1656.7	1818.6	6.00	0.00	994000	109340.0
9/21/22 09:15	0.00	75.79	501.6	1656.0	1818.1	6.00	0.00	993589	109294.7
9/21/22 09:16	0.00	75.83	501.6	1655.4	1818.5	6.00	0.00	993223	109254.6
9/21/22 09:17	0.00	75.80	502.8	1656.8	1820.3	6.00	0.00	994091	109350.1
9/21/22 09:18	0.00	75.75	503.0	1655.5	1820.3	6.00	0.00	993315	109264.7
9/21/22 09:19	0.00	75.83	502.2	1653.5	1819.4	6.00	0.00	992082	109129.0
9/21/22 09:20	0.00	75.88	502.8	1655.7	1819.6	6.00	0.00	993406	109274.7
9/21/22 09:21	0.00	75.50	502.2	1655.6	1819.0	6.00	0.00	993361	109269.7
9/21/22 09:22	0.00	75.49	502.1	1652.9	1819.4	6.00	0.00	991717	109088.8
9/21/22 09:23	0.00	75.79	503.7	1656.4	1819.7	6.00	0.00	993863	109324.9
9/21/22 09:24	0.00	75.63	503.9	1653.5	1819.5	6.00	0.00	992081	109129.0
9/21/22 09:25	0.00	75.88	504.1	1651.8	1819.9	6.00	0.00	991077	109018.5
9/21/22 09:26	0.00	75.69	504.3	1653.5	1820.1	6.00	0.00	992128	109134.0
9/21/22 09:27	0.00	75.77	504.8	1655.4	1820.3	6.00	0.00	993224	109254.6
9/21/22 09:28	0.00	75.81	503.7	1653.6	1819.8	6.00	0.00	992173	109139.1
9/21/22 09:29	0.00	76.11	504.1	1656.7	1819.8	6.00	0.00	994000	109340.0
9/21/22 09:30	0.00	75.88	503.5	1653.6	1819.2	6.00	0.00	992173	109139.1
9/21/22 09:31	0.00	75.97	503.8	1652.3	1819.8	6.00	0.00	991351	109048.6
9/21/22 09:32	0.00	75.89	503.3	1656.1	1819.7	6.00	0.00	993634	109299.8
9/21/22 09:33	0.00	75.75	503.7	1654.6	1819.8	6.00	0.00	992767	109204.3
9/21/22 09:34	0.00	76.05	504.7	1655.8	1822.8	6.00	0.00	993497	109284.7
9/21/22 09:35	0.00	75.94	505.3	1656.6	1823.6	6.00	0.00	993954	109334.9
9/21/22 09:36	0.00	75.75	504.5	1656.7	1821.9	6.00	0.00	994045	109345.0
9/21/22 09:37	0.00	75.89	503.6	1653.0	1820.0	6.00	0.00	991808	109098.9
9/21/22 09:38	0.00	75.85	503.6	1654.9	1820.9	6.00	0.00	992950	109224.5
9/21/22 09:39	0.00	75.63	504.4	1654.8	1821.0	6.00	0.00	992904	109219.4
9/21/22 09:40	0.00	75.71	504.1	1652.9	1821.1	6.00	0.00	991762	109093.8
9/21/22 09:41	0.00	75.75	504.3	1654.2	1821.9	6.00	0.00	992539	109179.2
9/21/22 09:42	0.00	75.76	503.3	1654.3	1820.4	6.00	0.00	992584	109184.3
9/21/22 09:43	0.00	75.40	503.5	1651.0	1821.1	6.00	0.00	990620	108968.2
9/21/22 09:44	0.00	75.83	504.0	1654.3	1822.8	6.00	0.00	992584	109184.3
9/21/22 09:45	0.00	75.81	503.5	1653.7	1821.3	6.00	0.00	992219	109144.1
9/21/22 09:46	0.00	75.79	503.2	1653.0	1820.4	6.00	0.00	991808	109098.9
9/21/22 09:47	0.00	75.70	504.3	1653.0	1822.6	6.00	0.00	991808	109098.9
9/21/22 09:48	0.00	75.81	504.9	1653.9	1823.1	6.00	0.00	992310	109154.1
9/21/22 09:49	0.00	75.83	504.5	1651.6	1822.6	6.00	0.00	990940	109003.4
9/21/22 09:50	0.00	75.78	503.9	1654.3	1822.1	6.00	0.00	992584	109184.3
9/21/22 09:51	0.00	76.05	504.9	1655.5	1822.0	6.00	0.00	993315	109264.7
9/21/22 09:52	0.00	75.77	505.1	1653.5	1823.5	6.00	0.00	992128	109134.0
9/21/22 09:53	0.00	75.70	504.9	1650.3	1823.3	6.00	0.00	990164	108918.0
9/21/22 09:54	0.00	75.71	505.8	1655.9	1824.5	6.00	0.00	993543	109289.7
9/21/22 09:55	0.00	75.84	505.6	1654.2	1823.5	6.00	0.00	992493	109174.2
9/21/22 09:56	0.00	75.81	505.2	1652.3	1823.3	6.00	0.00	991351	109048.6
Run 1 Average	**0.00**	**75.80**	**503.33**	**1655.00**	**1820.14**	**6.00**	**0.00**	**993003**	**109230.3**
Run 2 Start - NG									
9/21/22 10:06	0.00	75.83	505.0	1650.6	1823.9	6.00	0.00	990347	108938.1
9/21/22 10:07	0.00	75.78	504.9	1655.5	1823.5	6.00	0.00	993315	109264.7
9/21/22 10:08	0.00	75.73	505.2	1651.1	1824.1	6.00	0.00	990666	108973.3
9/21/22 10:09	0.00	75.79	504.7	1649.9	1823.5	6.00	0.00	989936	108892.9

McI CT2 Process Data
Averaged Data Gaseous

Date Time	Oil Supply gpm	Load MW	Exhaust Temp deg. C	Gas Flow 10scfm	Turbine Inlet Temp deg F.	Gas On	Oil On	Gas scfh	Total Heat Input MMBtu/hr
9/21/22 10:10	0.00	75.53	504.5	1653.5	1823.4	6.00	0.00	992128	109134.0
9/21/22 10:11	0.00	75.81	504.5	1653.5	1824.4	6.00	0.00	992082	109129.0
9/21/22 10:12	0.00	75.70	503.9	1650.0	1822.7	6.00	0.00	990027	108903.0
9/21/22 10:13	0.00	75.88	505.0	1652.7	1824.8	6.00	0.00	991625	109078.7
9/21/22 10:14	0.00	75.80	505.3	1652.3	1825.4	6.00	0.00	991397	109053.6
9/21/22 10:15	0.00	75.66	505.6	1652.3	1826.0	6.00	0.00	991397	109053.6
9/21/22 10:16	0.00	75.99	505.6	1653.9	1825.7	6.00	0.00	992356	109159.1
9/21/22 10:17	0.00	75.73	505.7	1652.4	1825.3	6.00	0.00	991442	109058.7
9/21/22 10:18	0.00	75.46	506.1	1652.8	1825.4	6.00	0.00	991671	109083.8
9/21/22 10:19	0.00	75.81	506.5	1652.9	1827.3	6.00	0.00	991762	109093.8
9/21/22 10:20	0.00	76.03	505.9	1654.2	1826.7	6.00	0.00	992493	109174.2
9/21/22 10:21	0.00	75.86	506.1	1651.6	1826.9	6.00	0.00	990986	109008.4
9/21/22 10:22	0.00	75.51	506.1	1651.8	1826.7	6.00	0.00	991077	109018.5
9/21/22 10:23	0.00	75.64	506.8	1653.3	1827.6	6.00	0.00	991990	109118.9
9/21/22 10:24	0.00	75.86	506.8	1650.5	1827.9	6.00	0.00	990301	108933.1
9/21/22 10:25	0.00	75.81	506.3	1651.7	1827.3	6.00	0.00	991031	109013.5
9/21/22 10:26	0.00	75.94	506.5	1653.6	1827.7	6.00	0.00	992173	109139.1
9/21/22 10:27	0.00	75.77	507.0	1652.3	1828.1	6.00	0.00	991397	109053.6
9/21/22 10:28	0.00	75.87	506.8	1651.0	1828.1	6.00	0.00	990575	108963.2
9/21/22 10:29	0.00	75.81	507.1	1652.9	1828.8	6.00	0.00	991762	109093.8
9/21/22 10:30	0.00	75.73	507.5	1651.7	1829.5	6.00	0.00	991031	109013.5
9/21/22 10:31	0.00	75.86	507.0	1651.6	1828.2	6.00	0.00	990940	109003.4
9/21/22 10:32	0.00	75.77	507.5	1652.3	1829.2	6.00	0.00	991397	109053.6
9/21/22 10:33	0.00	75.79	507.5	1654.2	1829.2	6.00	0.00	992539	109179.2
9/21/22 10:34	0.00	75.69	508.3	1653.6	1831.3	6.00	0.00	992173	109139.1
9/21/22 10:35	0.00	75.84	508.9	1651.7	1832.7	6.00	0.00	991031	109013.5
9/21/22 10:36	0.00	75.82	508.7	1652.9	1832.6	6.00	0.00	991717	109088.8
9/21/22 10:37	0.00	75.95	507.9	1652.3	1831.0	6.00	0.00	991397	109053.6
9/21/22 10:38	0.00	75.77	507.7	1651.5	1830.2	6.00	0.00	990895	108998.4
9/21/22 10:39	0.00	75.95	509.3	1656.1	1832.9	6.00	0.00	993634	109299.8
9/21/22 10:40	0.00	75.82	510.1	1653.7	1834.3	6.00	0.00	992219	109144.1
9/21/22 10:41	0.00	75.34	509.9	1650.6	1834.4	6.00	0.00	990347	108938.1
9/21/22 10:42	0.00	75.73	510.1	1653.6	1835.1	6.00	0.00	992173	109139.1
9/21/22 10:43	0.00	75.74	510.3	1653.5	1834.8	6.00	0.00	992082	109129.0
9/21/22 10:44	0.00	76.00	509.3	1651.0	1833.1	6.00	0.00	990575	108963.2
9/21/22 10:45	0.00	75.95	509.7	1653.6	1834.1	6.00	0.00	992173	109139.1
9/21/22 10:46	0.00	76.09	508.7	1652.9	1831.9	6.00	0.00	991717	109088.8
9/21/22 10:47	0.00	75.95	508.5	1651.6	1831.2	6.00	0.00	990940	109003.4
9/21/22 10:48	0.00	75.87	508.5	1651.0	1831.8	6.00	0.00	990620	108968.2
9/21/22 10:49	0.00	75.95	508.7	1653.5	1832.8	6.00	0.00	992128	109134.0
9/21/22 10:50	0.00	75.96	509.7	1652.3	1834.5	6.00	0.00	991351	109048.6
9/21/22 10:51	0.00	75.62	509.7	1652.5	1833.5	6.00	0.00	991488	109063.7
9/21/22 10:52	0.00	75.79	510.1	1654.2	1834.9	6.00	0.00	992539	109179.2
9/21/22 10:53	0.00	76.01	509.7	1654.2	1834.0	6.00	0.00	992539	109179.2
9/21/22 10:54	0.00	75.52	509.3	1651.0	1832.6	6.00	0.00	990620	108968.2
9/21/22 10:55	0.00	76.01	509.3	1651.5	1833.1	6.00	0.00	990895	108998.4
9/21/22 10:56	0.00	75.80	508.7	1652.5	1832.1	6.00	0.00	991488	109063.7
9/21/22 10:57	0.00	75.74	508.3	1652.4	1830.9	6.00	0.00	991442	109058.7
9/21/22 10:58	0.00	75.66	508.7	1650.4	1832.3	6.00	0.00	990255	108928.1
9/21/22 10:59	0.00	75.61	509.3	1654.8	1833.5	6.00	0.00	992858	109214.4
9/21/22 11:00	0.00	75.96	508.7	1650.3	1832.2	6.00	0.00	990209	108923.0
9/21/22 11:01	0.00	75.76	510.1	1652.3	1835.3	6.00	0.00	991397	109053.6
9/21/22 11:02	0.00	76.01	510.7	1656.0	1837.2	6.00	0.00	993589	109294.7
9/21/22 11:03	0.00	75.70	511.3	1652.4	1837.8	6.00	0.00	991442	109058.7
9/21/22 11:04	0.00	75.70	510.6	1650.3	1836.3	6.00	0.00	990164	108918.0
9/21/22 11:05	0.00	75.97	508.7	1650.4	1832.6	6.00	0.00	990255	108928.1
9/21/22 11:06	0.00	75.79	508.9	1652.2	1832.6	6.00	0.00	991306	109043.6
Run 2 Average	**0.00**	**75.80**	**507.77**	**1652.45**	**1830.11**	**6.00**	**0.00**	**991467**	**109061.4**
Run 3 Start - NG									
9/21/22 11:32	0.00	75.90	512.4	1652.9	1839.4	6.00	0.00	991762	109093.8
9/21/22 11:33	0.00	75.81	512.8	1651.0	1839.7	6.00	0.00	990575	108963.2
9/21/22 11:34	0.00	75.80	513.2	1652.7	1840.6	6.00	0.00	991625	109078.8
9/21/22 11:35	0.00	75.95	513.6	1653.5	1840.4	6.00	0.00	992082	109129.0
9/21/22 11:36	0.00	75.82	513.5	1651.2	1839.4	6.00	0.00	990712	108978.3
9/21/22 11:37	0.00	75.78	512.6	1648.6	1837.1	6.00	0.00	989159	108807.5
9/21/22 11:38	0.00	75.85	512.2	1652.6	1836.9	6.00	0.00	991534	109068.8
9/21/22 11:39	0.00	75.82	512.8	1650.6	1837.5	6.00	0.00	990347	108938.1
9/21/22 11:40	0.00	75.71	514.1	1651.1	1839.9	6.00	0.00	990666	108973.3

McI CT2 Process Data
Averaged Data Gaseous

Date Time	Oil Supply gpm	Load MW	Exhaust Temp deg. C	Gas Flow 10scfm	Turbine Inlet Temp deg F.	Gas On	Oil On	Gas scfh	Total Heat Input MMBtu/hr
9/21/22 11:41	0.00	75.74	514.1	1652.7	1840.3	6.00	0.00	991625	109078.8
9/21/22 11:42	0.00	75.87	512.8	1651.1	1837.2	6.00	0.00	990666	108973.3
9/21/22 11:43	0.00	75.79	513.2	1652.1	1837.5	6.00	0.00	991260	109038.6
9/21/22 11:44	0.00	75.88	513.4	1652.3	1838.5	6.00	0.00	991397	109053.6
9/21/22 11:45	0.00	75.71	512.8	1650.6	1837.9	6.00	0.00	990347	108938.1
9/21/22 11:46	0.00	75.76	512.0	1649.9	1835.4	6.00	0.00	989936	108892.9
9/21/22 11:47	0.00	75.88	514.8	1650.4	1838.2	6.00	0.00	990255	108928.1
9/21/22 11:48	0.00	75.65	514.4	1651.6	1838.2	6.00	0.00	990940	109003.4
9/21/22 11:49	0.00	75.94	513.4	1651.8	1838.4	6.00	0.00	991077	109018.5
9/21/22 11:50	0.00	75.54	514.2	1649.2	1839.2	6.00	0.00	989525	108847.7
9/21/22 11:51	0.00	75.92	513.8	1652.4	1839.8	6.00	0.00	991442	109058.7
9/21/22 11:52	0.00	75.97	513.4	1654.3	1839.5	6.00	0.00	992584	109184.3
9/21/22 11:53	0.00	75.67	513.6	1647.8	1838.6	6.00	0.00	988657	108752.3
9/21/22 11:54	0.00	75.69	514.0	1652.8	1839.7	6.00	0.00	991671	109083.8
9/21/22 11:55	0.00	75.93	514.1	1650.4	1838.6	6.00	0.00	990255	108928.1
9/21/22 11:56	0.00	75.76	513.2	1647.4	1836.8	6.00	0.00	988429	108727.1
9/21/22 11:57	0.00	75.50	514.4	1650.4	1838.4	6.00	0.00	990255	108928.1
9/21/22 11:58	0.00	75.85	515.3	1652.1	1841.2	6.00	0.00	991260	109038.6
9/21/22 11:59	0.00	75.81	515.7	1650.3	1841.9	6.00	0.00	990209	108923.0
9/21/22 12:00	0.00	75.76	515.3	1649.9	1842.4	6.00	0.00	989936	108892.9
9/21/22 12:01	0.00	75.67	515.9	1652.9	1843.8	6.00	0.00	991717	109088.8
9/21/22 12:02	0.00	75.93	515.8	1652.3	1842.5	6.00	0.00	991397	109053.6
9/21/22 12:03	0.00	75.71	515.7	1650.3	1842.9	6.00	0.00	990209	108923.0
9/21/22 12:04	0.00	75.79	516.1	1652.3	1843.5	6.00	0.00	991397	109053.6
9/21/22 12:05	0.00	75.68	516.5	1654.7	1844.1	6.00	0.00	992813	109209.4
9/21/22 12:06	0.00	75.71	516.0	1651.0	1844.1	6.00	0.00	990620	108968.2
9/21/22 12:07	0.00	75.74	516.7	1652.3	1844.6	6.00	0.00	991351	109048.6
9/21/22 12:08	0.00	76.00	515.8	1653.0	1842.8	6.00	0.00	991808	109098.9
9/21/22 12:09	0.00	75.58	516.4	1651.0	1843.9	6.00	0.00	990620	108968.2
9/21/22 12:10	0.00	75.56	516.9	1652.9	1846.0	6.00	0.00	991762	109093.8
9/21/22 12:11	0.00	75.88	517.1	1652.9	1844.9	6.00	0.00	991717	109088.8
9/21/22 12:12	0.00	75.89	515.8	1650.4	1842.6	6.00	0.00	990255	108928.1
9/21/22 12:13	0.00	75.75	515.8	1649.2	1841.9	6.00	0.00	989525	108847.7
9/21/22 12:14	0.00	75.98	515.8	1649.3	1842.3	6.00	0.00	989570	108852.7
9/21/22 12:15	0.00	75.94	514.4	1650.6	1840.8	6.00	0.00	990347	108938.1
9/21/22 12:16	0.00	75.98	516.1	1649.9	1843.3	6.00	0.00	989936	108892.9
9/21/22 12:17	0.00	75.76	518.1	1650.5	1846.4	6.00	0.00	990301	108933.1
9/21/22 12:18	0.00	75.71	517.9	1652.3	1845.7	6.00	0.00	991397	109053.6
9/21/22 12:19	0.00	75.72	517.9	1651.7	1844.1	6.00	0.00	991031	109013.5
9/21/22 12:20	0.00	75.72	517.9	1650.0	1844.2	6.00	0.00	990027	108903.0
9/21/22 12:21	0.00	75.89	518.3	1651.0	1843.8	6.00	0.00	990620	108968.2
9/21/22 12:22	0.00	75.94	517.7	1651.7	1843.2	6.00	0.00	991031	109013.5
9/21/22 12:23	0.00	76.11	518.1	1649.8	1843.9	6.00	0.00	989890	108887.9
9/21/22 12:24	0.00	76.02	517.1	1650.6	1842.3	6.00	0.00	990347	108938.1
9/21/22 12:25	0.00	75.76	517.5	1653.0	1843.6	6.00	0.00	991808	109098.9
9/21/22 12:26	0.00	75.81	516.3	1651.0	1842.2	6.00	0.00	990620	108968.2
9/21/22 12:27	0.00	75.85	517.1	1649.4	1842.3	6.00	0.00	989616	108857.8
9/21/22 12:28	0.00	75.83	518.7	1654.2	1845.8	6.00	0.00	992493	109174.2
9/21/22 12:29	0.00	75.63	517.5	1651.7	1846.0	6.00	0.00	991031	109013.5
9/21/22 12:30	0.00	75.93	518.1	1651.2	1847.3	6.00	0.00	990712	108978.3
9/21/22 12:31	0.00	75.69	518.1	1653.1	1847.7	6.00	0.00	991853	109103.9
9/21/22 12:32	0.00	75.69	517.8	1652.3	1847.7	6.00	0.00	991397	109053.6
Run 3 Average	**0.00**	**75.80**	**515.34**	**1651.35**	**1841.61**	**6.00**	**0.00**	**990810**	**108989.1**
Run 4 Start - NG									
9/21/22 12:47	0.00	75.93	514.4	1647.9	1840.7	6.00	0.00	988748	108762.3
9/21/22 12:48	0.00	75.76	515.5	1650.8	1840.1	6.00	0.00	990484	108953.2
9/21/22 12:49	0.00	75.62	515.3	1650.5	1841.3	6.00	0.00	990301	108933.1
9/21/22 12:50	0.00	75.62	516.7	1647.1	1842.6	6.00	0.00	988246	108707.1
9/21/22 12:51	0.00	75.74	516.1	1650.4	1844.6	6.00	0.00	990255	108928.1
9/21/22 12:52	0.00	75.98	517.5	1652.3	1846.5	6.00	0.00	991351	109048.6
9/21/22 12:53	0.00	75.79	518.3	1650.9	1848.0	6.00	0.00	990529	108958.2
9/21/22 12:54	0.00	75.71	517.7	1649.9	1847.4	6.00	0.00	989936	108892.9
9/21/22 12:55	0.00	75.97	517.7	1651.0	1847.5	6.00	0.00	990575	108963.2
9/21/22 12:56	0.00	75.69	516.9	1649.8	1845.7	6.00	0.00	989890	108887.9
9/21/22 12:57	0.00	75.88	517.1	1649.2	1846.1	6.00	0.00	989525	108847.7
9/21/22 12:58	0.00	75.89	516.2	1651.0	1843.8	6.00	0.00	990575	108963.2
9/21/22 12:59	0.00	75.89	515.0	1649.2	1841.1	6.00	0.00	989525	108847.7
9/21/22 13:00	0.00	75.63	515.3	1648.6	1842.0	6.00	0.00	989159	108807.5

McI CT2 Process Data
Averaged Data Gaseous

Date Time	Oil Supply gpm	Load MW	Exhaust Temp deg. C	Gas Flow 10scfm	Turbine Inlet Temp deg F.	Gas On	Oil On	Gas scfh	Total Heat Input MMBtu/hr
9/21/22 13:01	0.00	76.02	515.9	1649.7	1843.2	6.00	0.00	989798	108877.8
9/21/22 13:02	0.00	75.84	515.6	1649.3	1843.0	6.00	0.00	989570	108852.7
9/21/22 13:03	0.00	75.93	515.5	1647.8	1842.3	6.00	0.00	988703	108757.3
9/21/22 13:04	0.00	75.71	515.4	1647.9	1842.9	6.00	0.00	988748	108762.3
9/21/22 13:05	0.00	75.89	515.8	1650.3	1843.7	6.00	0.00	990209	108923.0
9/21/22 13:06	0.00	75.80	515.6	1648.7	1842.0	6.00	0.00	989205	108812.6
9/21/22 13:07	0.00	75.72	516.5	1647.9	1844.4	6.00	0.00	988748	108762.3
9/21/22 13:08	0.00	75.89	515.9	1649.3	1843.2	6.00	0.00	989570	108852.7
9/21/22 13:09	0.00	76.02	516.9	1652.2	1844.8	6.00	0.00	991306	109043.6
9/21/22 13:10	0.00	76.20	517.1	1651.0	1845.4	6.00	0.00	990620	108968.2
9/21/22 13:11	0.00	76.03	517.1	1651.6	1844.8	6.00	0.00	990940	109003.4
9/21/22 13:12	0.00	75.93	516.3	1650.3	1841.9	6.00	0.00	990209	108923.0
9/21/22 13:13	0.00	75.68	516.1	1646.8	1842.0	6.00	0.00	988063	108687.0
9/21/22 13:14	0.00	75.75	516.7	1649.1	1844.7	6.00	0.00	989479	108842.6
9/21/22 13:15	0.00	76.06	518.1	1653.5	1847.0	6.00	0.00	992128	109134.0
9/21/22 13:16	0.00	75.56	519.3	1649.0	1847.5	6.00	0.00	989387	108832.6
9/21/22 13:17	0.00	75.83	518.9	1647.3	1847.1	6.00	0.00	988383	108722.1
9/21/22 13:18	0.00	75.72	519.9	1650.0	1848.9	6.00	0.00	989981	108898.0
9/21/22 13:19	0.00	75.97	520.1	1651.0	1850.2	6.00	0.00	990620	108968.2
9/21/22 13:20	0.00	75.93	521.0	1649.7	1849.8	6.00	0.00	989844	108882.8
9/21/22 13:21	0.00	75.80	522.0	1650.4	1851.4	6.00	0.00	990255	108928.1
9/21/22 13:22	0.00	75.92	519.9	1650.4	1848.6	6.00	0.00	990255	108928.1
9/21/22 13:23	0.00	75.83	518.9	1647.5	1844.9	6.00	0.00	988474	108732.2
9/21/22 13:24	0.00	75.81	518.5	1648.5	1844.5	6.00	0.00	989114	108802.5
9/21/22 13:25	0.00	75.93	519.5	1651.0	1847.4	6.00	0.00	990620	108968.2
9/21/22 13:26	0.00	75.74	519.3	1648.5	1848.0	6.00	0.00	989114	108802.5
9/21/22 13:27	0.00	75.67	517.9	1647.2	1845.9	6.00	0.00	988292	108712.1
9/21/22 13:28	0.00	75.87	518.5	1649.2	1847.4	6.00	0.00	989525	108847.7
9/21/22 13:29	0.00	75.88	519.3	1651.0	1847.3	6.00	0.00	990620	108968.2
9/21/22 13:30	0.00	75.87	522.0	1648.4	1847.9	6.00	0.00	989022	108792.4
9/21/22 13:31	0.00	76.14	522.4	1649.2	1848.9	6.00	0.00	989525	108847.7
9/21/22 13:32	0.00	76.08	522.0	1651.6	1848.3	6.00	0.00	990986	109008.4
9/21/22 13:33	0.00	76.09	521.8	1649.9	1848.2	6.00	0.00	989936	108892.9
9/21/22 13:34	0.00	76.00	521.8	1647.2	1848.2	6.00	0.00	988337	108717.1
9/21/22 13:35	0.00	75.80	520.2	1647.8	1844.8	6.00	0.00	988703	108757.3
9/21/22 13:36	0.00	75.86	521.0	1649.4	1846.0	6.00	0.00	989616	108857.8
9/21/22 13:37	0.00	75.68	521.2	1648.7	1847.6	6.00	0.00	989205	108812.6
9/21/22 13:38	0.00	75.88	521.8	1649.3	1847.3	6.00	0.00	989570	108852.7
9/21/22 13:39	0.00	75.76	522.6	1649.8	1847.7	6.00	0.00	989890	108887.9
9/21/22 13:40	0.00	75.91	521.8	1648.6	1848.1	6.00	0.00	989159	108807.5
9/21/22 13:41	0.00	75.63	520.9	1648.0	1847.2	6.00	0.00	988794	108767.3
9/21/22 13:42	0.00	75.66	519.9	1652.3	1848.6	6.00	0.00	991351	109048.6
9/21/22 13:43	0.00	75.76	521.4	1650.9	1849.5	6.00	0.00	990529	108958.2
9/21/22 13:44	0.00	75.64	522.0	1648.4	1850.2	6.00	0.00	989022	108792.4
9/21/22 13:45	0.00	76.08	520.0	1649.1	1849.2	6.00	0.00	989434	108837.7
9/21/22 13:46	0.00	75.74	520.5	1650.3	1849.9	6.00	0.00	990209	108923.0
9/21/22 13:47	0.00	75.97	521.2	1648.4	1850.4	6.00	0.00	989022	108792.4
Run 4 Average	**0.00**	**75.84**	**518.55**	**1649.54**	**1846.06**	**6.00**	**0.00**	**989724**	**108869.7**
Run 5 Start - NG									
9/21/22 14:14	0.00	75.53	519.7	1645.4	1846.2	6.00	0.00	987241	108596.5
9/21/22 14:15	0.00	75.66	522.2	1651.1	1848.2	6.00	0.00	990666	108973.3
9/21/22 14:16	0.00	75.80	520.8	1649.3	1847.8	6.00	0.00	989570	108852.7
9/21/22 14:17	0.00	75.52	521.1	1649.1	1848.9	6.00	0.00	989479	108842.6
9/21/22 14:18	0.00	75.74	519.8	1649.9	1847.9	6.00	0.00	989935	108892.9
9/21/22 14:19	0.00	75.87	519.7	1650.4	1848.5	6.00	0.00	990255	108928.1
9/21/22 14:20	0.00	75.93	520.4	1649.2	1848.9	6.00	0.00	989525	108847.7
9/21/22 14:21	0.00	75.82	521.2	1647.9	1849.9	6.00	0.00	988748	108762.3
9/21/22 14:22	0.00	76.01	521.2	1649.9	1849.6	6.00	0.00	989936	108892.9
9/21/22 14:23	0.00	75.75	520.8	1647.4	1848.5	6.00	0.00	988429	108727.1
9/21/22 14:24	0.00	75.91	522.0	1648.5	1850.8	6.00	0.00	989114	108802.5
9/21/22 14:25	0.00	75.77	521.4	1649.4	1851.2	6.00	0.00	989616	108857.8
9/21/22 14:26	0.00	75.71	521.0	1648.7	1849.8	6.00	0.00	989205	108812.6
9/21/22 14:27	0.00	75.85	520.6	1648.6	1850.9	6.00	0.00	989159	108807.5
9/21/22 14:28	0.00	75.89	519.9	1646.8	1848.6	6.00	0.00	988063	108687.0
9/21/22 14:29	0.00	75.90	519.5	1650.4	1847.7	6.00	0.00	990255	108928.1
9/21/22 14:30	0.00	75.94	520.9	1649.1	1849.1	6.00	0.00	989479	108842.6
9/21/22 14:31	0.00	75.54	520.4	1648.1	1849.6	6.00	0.00	988885	108777.4
9/21/22 14:32	0.00	75.89	522.0	1649.2	1849.8	6.00	0.00	989525	108847.7

McI CT2 Process Data
Averaged Data Gaseous

Date Time	Oil Supply gpm	Load MW	Exhaust Temp deg. C	Gas Flow 10scfm	Turbine Inlet Temp deg F.	Gas On	Oil On	Gas scfh	Total Heat Input MMBtu/hr
9/21/22 14:33	0.00	75.76	521.4	1650.3	1851.4	6.00	0.00	990164	108918.0
9/21/22 14:34	0.00	75.70	522.8	1649.3	1851.1	6.00	0.00	989570	108852.7
9/21/22 14:35	0.00	75.93	523.4	1649.2	1851.1	6.00	0.00	989525	108847.7
9/21/22 14:36	0.00	75.88	522.2	1649.9	1851.1	6.00	0.00	989936	108892.9
9/21/22 14:37	0.00	75.75	521.4	1647.8	1849.9	6.00	0.00	988703	108757.3
9/21/22 14:38	0.00	75.83	521.2	1648.6	1849.5	6.00	0.00	989159	108807.5
9/21/22 14:39	0.00	75.65	520.6	1649.3	1849.7	6.00	0.00	989570	108852.7
9/21/22 14:40	0.00	75.73	521.0	1649.8	1849.9	6.00	0.00	989890	108887.9
9/21/22 14:41	0.00	75.70	520.8	1647.0	1849.1	6.00	0.00	988200	108702.0
9/21/22 14:42	0.00	75.84	521.2	1650.0	1849.2	6.00	0.00	989981	108898.0
9/21/22 14:43	0.00	75.93	521.7	1649.3	1849.3	6.00	0.00	989570	108852.7
9/21/22 14:44	0.00	75.85	520.8	1649.4	1849.5	6.00	0.00	989616	108857.8
9/21/22 14:45	0.00	75.92	522.4	1650.5	1851.8	6.00	0.00	990301	108933.1
9/21/22 14:46	0.00	75.67	521.4	1650.3	1850.1	6.00	0.00	990209	108923.0
9/21/22 14:47	0.00	75.95	522.4	1647.3	1849.4	6.00	0.00	988383	108722.1
9/21/22 14:48	0.00	75.78	522.0	1646.8	1850.9	6.00	0.00	988109	108692.0
9/21/22 14:49	0.00	75.88	522.4	1649.7	1851.0	6.00	0.00	989844	108882.8
9/21/22 14:50	0.00	75.85	521.4	1648.2	1851.5	6.00	0.00	988931	108782.4
9/21/22 14:51	0.00	75.67	521.2	1645.6	1848.3	6.00	0.00	987333	108606.6
9/21/22 14:52	0.00	75.93	519.0	1648.1	1847.1	6.00	0.00	988840	108772.4
9/21/22 14:53	0.00	75.84	520.6	1649.9	1848.0	6.00	0.00	989936	108892.9
9/21/22 14:54	0.00	75.92	520.6	1647.4	1848.2	6.00	0.00	988429	108727.1
9/21/22 14:55	0.00	75.80	519.5	1646.2	1847.1	6.00	0.00	987743	108651.8
9/21/22 14:56	0.00	75.93	520.6	1648.6	1847.1	6.00	0.00	989159	108807.5
9/21/22 14:57	0.00	76.10	519.9	1646.8	1844.8	6.00	0.00	988063	108687.0
9/21/22 14:58	0.00	75.97	519.9	1646.1	1845.6	6.00	0.00	987652	108641.7
9/21/22 14:59	0.00	75.83	521.0	1650.2	1846.7	6.00	0.00	990118	108913.0
9/21/22 15:00	0.00	75.79	521.8	1649.2	1848.6	6.00	0.00	989525	108847.7
9/21/22 15:01	0.00	76.04	521.0	1645.3	1847.0	6.00	0.00	987196	108591.5
9/21/22 15:02	0.00	76.17	520.2	1647.8	1846.9	6.00	0.00	988703	108757.3
9/21/22 15:03	0.00	75.69	520.6	1649.0	1846.8	6.00	0.00	989387	108832.6
9/21/22 15:04	0.00	75.67	518.9	1645.4	1844.8	6.00	0.00	987241	108596.5
9/21/22 15:05	0.00	75.57	521.6	1646.2	1848.0	6.00	0.00	987743	108651.8
9/21/22 15:06	0.00	75.79	522.0	1650.0	1850.4	6.00	0.00	989981	108898.0
9/21/22 15:07	0.00	76.04	521.2	1647.4	1849.5	6.00	0.00	988429	108727.1
9/21/22 15:08	0.00	75.77	522.4	1646.7	1850.1	6.00	0.00	988018	108681.9
9/21/22 15:09	0.00	75.94	522.0	1649.5	1850.5	6.00	0.00	989707	108867.8
9/21/22 15:10	0.00	75.88	522.4	1646.7	1850.1	6.00	0.00	988018	108681.9
9/21/22 15:11	0.00	75.85	520.6	1647.4	1850.2	6.00	0.00	988429	108727.1
9/21/22 15:12	0.00	75.89	522.0	1648.9	1850.5	6.00	0.00	989342	108827.6
9/21/22 15:13	0.00	75.91	522.4	1649.0	1850.8	6.00	0.00	989387	108832.6
9/21/22 15:14	0.00	75.75	521.2	1646.1	1850.5	6.00	0.00	987652	108641.7
Run 5 Average	**0.00**	**75.83**	**521.11**	**1648.44**	**1849.09**	**6.00**	**0.00**	**989062**	**108796.8**
Run 6 Start - NG									
9/21/22 15:23	0.00	75.88	522.0	1647.8	1850.3	6.00	0.00	988703	108757.3
9/21/22 15:24	0.00	75.79	521.1	1646.1	1850.5	6.00	0.00	987652	108641.7
9/21/22 15:25	0.00	75.71	521.6	1646.7	1850.8	6.00	0.00	988018	108681.9
9/21/22 15:26	0.00	75.86	522.0	1649.4	1851.8	6.00	0.00	989662	108862.8
9/21/22 15:27	0.00	75.42	520.6	1646.8	1849.3	6.00	0.00	988109	108692.0
9/21/22 15:28	0.00	75.65	522.0	1647.4	1850.7	6.00	0.00	988429	108727.1
9/21/22 15:29	0.00	75.47	521.4	1647.2	1850.1	6.00	0.00	988337	108717.1
9/21/22 15:30	0.00	75.75	520.6	1646.7	1847.5	6.00	0.00	988018	108681.9
9/21/22 15:31	0.00	75.77	520.2	1644.8	1848.0	6.00	0.00	986876	108556.3
9/21/22 15:32	0.00	75.63	519.9	1647.2	1848.6	6.00	0.00	988291	108712.0
9/21/22 15:33	0.00	75.51	519.0	1648.2	1846.6	6.00	0.00	988931	108782.4
9/21/22 15:34	0.00	75.68	518.1	1646.4	1844.8	6.00	0.00	987835	108661.9
9/21/22 15:35	0.00	75.80	518.3	1644.5	1845.1	6.00	0.00	986693	108536.3
9/21/22 15:36	0.00	75.86	518.9	1647.2	1847.7	6.00	0.00	988337	108717.1
9/21/22 15:37	0.00	75.47	519.7	1646.0	1848.9	6.00	0.00	987607	108636.7
9/21/22 15:38	0.00	75.65	519.1	1646.6	1847.7	6.00	0.00	987972	108676.9
9/21/22 15:39	0.00	75.73	519.7	1646.2	1847.6	6.00	0.00	987743	108651.8
9/21/22 15:40	0.00	75.94	519.1	1646.2	1846.6	6.00	0.00	987698	108646.8
9/21/22 15:41	0.00	75.55	518.9	1646.2	1847.3	6.00	0.00	987743	108651.8
9/21/22 15:42	0.00	75.69	518.6	1646.8	1847.6	6.00	0.00	988109	108692.0
9/21/22 15:43	0.00	75.56	518.5	1646.8	1845.6	6.00	0.00	988109	108692.0
9/21/22 15:44	0.00	75.65	518.5	1645.5	1846.4	6.00	0.00	987287	108601.5
9/21/22 15:45	0.00	76.04	517.9	1644.3	1845.3	6.00	0.00	986557	108521.2
9/21/22 15:46	0.00	76.09	518.1	1648.5	1846.1	6.00	0.00	989114	108802.5

McI CT2 Process Data
Averaged Data Gaseous

Date Time	Oil Supply gpm	Load MW	Exhaust Temp deg. C	Gas Flow 10scfm	Turbine Inlet Temp deg F.	Gas On	Oil On	Gas scfh	Total Heat Input MMBtu/hr
9/21/22 15:47	0.00	75.78	519.3	1646.2	1847.4	6.00	0.00	987744	108651.8
9/21/22 15:48	0.00	75.79	518.5	1644.9	1847.4	6.00	0.00	986968	108566.4
9/21/22 15:49	0.00	75.95	519.5	1648.1	1849.1	6.00	0.00	988840	108772.4
9/21/22 15:50	0.00	75.67	519.3	1646.9	1848.6	6.00	0.00	988154	108697.0
9/21/22 15:51	0.00	75.83	520.6	1646.6	1848.9	6.00	0.00	987972	108676.9
9/21/22 15:52	0.00	75.95	520.8	1647.8	1849.9	6.00	0.00	988703	108757.3
9/21/22 15:53	0.00	76.00	519.5	1646.8	1847.8	6.00	0.00	988109	108692.0
9/21/22 15:54	0.00	75.70	520.4	1644.9	1847.8	6.00	0.00	986921	108561.4
9/21/22 15:55	0.00	75.91	520.6	1647.7	1848.6	6.00	0.00	988611	108747.2
9/21/22 15:56	0.00	75.81	519.9	1649.1	1847.4	6.00	0.00	989434	108837.7
9/21/22 15:57	0.00	75.81	520.2	1647.3	1846.9	6.00	0.00	988383	108722.1
9/21/22 15:58	0.00	75.78	519.5	1645.5	1846.4	6.00	0.00	987287	108601.5
9/21/22 15:59	0.00	75.92	519.1	1648.6	1847.4	6.00	0.00	989159	108807.5
9/21/22 16:00	0.00	75.59	519.3	1647.0	1846.1	6.00	0.00	988200	108702.0
9/21/22 16:01	0.00	75.51	518.5	1644.7	1846.2	6.00	0.00	986830	108551.3
9/21/22 16:02	0.00	75.92	518.8	1646.2	1846.9	6.00	0.00	987743	108651.8
9/21/22 16:03	0.00	76.09	517.9	1646.8	1845.1	6.00	0.00	988063	108687.0
9/21/22 16:04	0.00	75.87	517.2	1644.5	1843.9	6.00	0.00	986693	108536.3
9/21/22 16:05	0.00	76.04	518.7	1645.5	1845.8	6.00	0.00	987287	108601.5
9/21/22 16:06	0.00	75.95	518.1	1649.1	1846.0	6.00	0.00	989433	108837.6
9/21/22 16:07	0.00	75.65	518.7	1646.0	1845.6	6.00	0.00	987607	108636.7
9/21/22 16:08	0.00	75.57	519.1	1645.5	1846.0	6.00	0.00	987287	108601.5
9/21/22 16:09	0.00	75.95	517.9	1648.1	1845.0	6.00	0.00	988840	108772.4
9/21/22 16:10	0.00	75.80	517.5	1646.8	1843.3	6.00	0.00	988063	108687.0
9/21/22 16:11	0.00	75.88	517.8	1644.7	1844.3	6.00	0.00	986830	108551.3
9/21/22 16:12	0.00	75.67	518.1	1646.8	1846.0	6.00	0.00	988109	108692.0
9/21/22 16:13	0.00	75.65	517.5	1646.1	1843.3	6.00	0.00	987652	108641.7
9/21/22 16:14	0.00	75.68	517.9	1646.7	1844.2	6.00	0.00	988018	108681.9
9/21/22 16:15	0.00	75.82	519.7	1646.7	1845.3	6.00	0.00	988018	108681.9
9/21/22 16:16	0.00	75.77	518.5	1648.6	1844.5	6.00	0.00	989159	108807.5
9/21/22 16:17	0.00	75.94	517.9	1645.5	1843.3	6.00	0.00	987287	108601.5
9/21/22 16:18	0.00	75.91	517.9	1645.7	1843.8	6.00	0.00	987424	108616.7
9/21/22 16:19	0.00	75.87	517.3	1647.9	1843.6	6.00	0.00	988748	108762.3
9/21/22 16:20	0.00	75.91	516.9	1646.8	1842.8	6.00	0.00	988109	108692.0
9/21/22 16:21	0.00	75.78	516.7	1644.2	1842.9	6.00	0.00	986510	108516.1
9/21/22 16:22	0.00	75.96	516.7	1648.6	1842.6	6.00	0.00	989159	108807.5
9/21/22 16:23	0.00	75.65	516.7	1647.5	1843.1	6.00	0.00	988474	108732.2
Run 6 Average	**0.00**	**75.78**	**519.05**	**1646.66**	**1846.62**	**6.00**	**0.00**	**987994**	**108679.4**
Run 7 Start - NG									
9/21/22 16:32	0.00	76.03	516.5	1647.2	1842.8	6.00	0.00	988292	108712.1
9/21/22 16:33	0.00	75.94	515.8	1646.6	1841.9	6.00	0.00	987972	108676.9
9/21/22 16:34	0.00	75.99	516.5	1646.8	1843.2	6.00	0.00	988109	108692.0
9/21/22 16:35	0.00	75.94	517.1	1648.6	1844.0	6.00	0.00	989159	108807.5
9/21/22 16:36	0.00	75.87	516.2	1648.0	1841.9	6.00	0.00	988794	108767.3
9/21/22 16:37	0.00	75.73	515.8	1644.8	1841.4	6.00	0.00	986876	108556.3
9/21/22 16:38	0.00	75.91	516.3	1648.0	1842.5	6.00	0.00	988794	108767.3
9/21/22 16:39	0.00	75.79	516.3	1646.8	1842.4	6.00	0.00	988063	108687.0
9/21/22 16:40	0.00	75.69	516.5	1648.1	1842.6	6.00	0.00	988840	108772.4
9/21/22 16:41	0.00	75.77	516.3	1648.5	1842.5	6.00	0.00	989113	108802.5
9/21/22 16:42	0.00	75.71	516.3	1648.1	1842.3	6.00	0.00	988885	108777.4
9/21/22 16:43	0.00	75.71	516.3	1645.9	1842.0	6.00	0.00	987561	108631.7
9/21/22 16:44	0.00	75.86	516.9	1649.8	1842.9	6.00	0.00	989890	108887.9
9/21/22 16:45	0.00	75.92	516.7	1649.4	1842.9	6.00	0.00	989616	108857.8
9/21/22 16:46	0.00	75.91	516.1	1645.9	1841.9	6.00	0.00	987561	108631.7
9/21/22 16:47	0.00	75.82	516.1	1647.5	1842.3	6.00	0.00	988474	108732.2
9/21/22 16:48	0.00	76.08	516.1	1649.1	1842.4	6.00	0.00	989433	108837.6
9/21/22 16:49	0.00	75.77	515.2	1644.3	1839.6	6.00	0.00	986557	108521.2
9/21/22 16:50	0.00	75.87	515.8	1647.9	1842.0	6.00	0.00	988748	108762.3
9/21/22 16:51	0.00	75.82	515.9	1649.2	1842.0	6.00	0.00	989525	108847.7
9/21/22 16:52	0.00	76.08	515.4	1647.2	1840.7	6.00	0.00	988337	108717.1
9/21/22 16:53	0.00	75.91	515.8	1647.1	1841.1	6.00	0.00	988246	108707.0
9/21/22 16:54	0.00	75.86	515.3	1648.0	1841.0	6.00	0.00	988794	108767.3
9/21/22 16:55	0.00	75.81	515.6	1645.7	1840.7	6.00	0.00	987424	108616.7
9/21/22 16:56	0.00	75.89	515.1	1645.6	1840.1	6.00	0.00	987333	108606.6
9/21/22 16:57	0.00	75.71	515.7	1651.0	1841.0	6.00	0.00	990575	108963.2
9/21/22 16:58	0.00	75.75	515.5	1647.4	1839.6	6.00	0.00	988429	108727.1
9/21/22 16:59	0.00	75.50	514.4	1643.0	1838.4	6.00	0.00	985826	108440.8
9/21/22 17:00	0.00	75.87	514.8	1647.8	1838.6	6.00	0.00	988703	108757.3

McI CT2 Process Data
Averaged Data Gaseous

Date Time	Oil Supply gpm	Load MW	Exhaust Temp deg. C	Gas Flow 10scfm	Turbine Inlet Temp deg F.	Gas On	Oil On	Gas scfh	Total Heat Input MMBtu/hr
9/21/22 17:01	0.00	75.84	514.9	1647.4	1839.1	6.00	0.00	988429	108727.1
9/21/22 17:02	0.00	76.06	515.6	1644.3	1840.2	6.00	0.00	986557	108521.2
9/21/22 17:03	0.00	75.73	515.8	1649.3	1840.9	6.00	0.00	989570	108852.7
9/21/22 17:04	0.00	75.99	514.9	1649.4	1839.8	6.00	0.00	989616	108857.8
9/21/22 17:05	0.00	75.67	514.9	1644.9	1839.1	6.00	0.00	986922	108561.4
9/21/22 17:06	0.00	76.01	515.0	1647.4	1839.5	6.00	0.00	988429	108727.1
9/21/22 17:07	0.00	75.58	514.6	1647.2	1838.2	6.00	0.00	988291	108712.0
9/21/22 17:08	0.00	75.81	514.5	1643.7	1837.7	6.00	0.00	986237	108486.0
9/21/22 17:09	0.00	75.64	514.6	1647.4	1838.9	6.00	0.00	988429	108727.1
9/21/22 17:10	0.00	75.87	514.6	1649.1	1838.3	6.00	0.00	989479	108842.6
9/21/22 17:11	0.00	75.76	514.1	1644.4	1837.9	6.00	0.00	986648	108531.3
9/21/22 17:12	0.00	75.55	514.6	1648.0	1838.6	6.00	0.00	988794	108767.3
9/21/22 17:13	0.00	75.74	514.6	1648.6	1838.2	6.00	0.00	989159	108807.5
9/21/22 17:14	0.00	75.56	514.4	1645.2	1838.8	6.00	0.00	987104	108581.5
9/21/22 17:15	0.00	75.82	513.7	1646.0	1837.4	6.00	0.00	987607	108636.7
9/21/22 17:16	0.00	75.69	514.7	1649.6	1838.2	6.00	0.00	989753	108872.8
9/21/22 17:17	0.00	75.73	514.0	1645.5	1837.0	6.00	0.00	987287	108601.5
9/21/22 17:18	0.00	75.65	513.6	1647.5	1836.9	6.00	0.00	988474	108732.2
9/21/22 17:19	0.00	75.65	513.6	1648.2	1836.5	6.00	0.00	988931	108782.4
9/21/22 17:20	0.00	75.94	513.6	1646.5	1836.3	6.00	0.00	987881	108666.9
9/21/22 17:21	0.00	75.69	514.1	1646.6	1837.8	6.00	0.00	987972	108676.9
9/21/22 17:22	0.00	75.91	513.9	1648.0	1837.5	6.00	0.00	988794	108767.3
9/21/22 17:23	0.00	75.87	513.2	1643.7	1835.6	6.00	0.00	986191	108481.0
9/21/22 17:24	0.00	75.79	513.4	1644.8	1835.7	6.00	0.00	986876	108556.3
9/21/22 17:25	0.00	75.79	513.0	1646.0	1835.7	6.00	0.00	987607	108636.7
9/21/22 17:26	0.00	75.81	512.6	1646.2	1834.5	6.00	0.00	987698	108646.8
9/21/22 17:27	0.00	75.57	513.2	1645.5	1834.9	6.00	0.00	987287	108601.5
9/21/22 17:28	0.00	76.00	513.0	1646.7	1835.7	6.00	0.00	988018	108681.9
9/21/22 17:29	0.00	75.99	512.8	1646.1	1835.1	6.00	0.00	987652	108641.7
9/21/22 17:30	0.00	75.75	512.2	1644.2	1833.8	6.00	0.00	986510	108516.1
9/21/22 17:31	0.00	75.70	512.4	1647.3	1834.5	6.00	0.00	988383	108722.1
9/21/22 17:32	0.00	75.80	512.0	1644.9	1833.5	6.00	0.00	986922	108561.4
Run 7 Average	**0.00**	**75.81**	**514.90**	**1646.92**	**1839.31**	**6.00**	**0.00**	**988155**	**108697.0**
Run 1 Start - FO									
9/26/22 08:08	123.94	75.73	505.3	0.0	1826.0	0.00	6.00	0	1085.7
9/26/22 08:09	123.99	76.21	505.1	0.0	1825.7	0.00	6.00	0	1086.2
9/26/22 08:10	123.90	75.32	504.9	0.0	1825.6	0.00	6.00	0	1085.3
9/26/22 08:11	123.88	75.62	505.3	0.0	1825.4	0.00	6.00	0	1085.2
9/26/22 08:12	123.83	76.18	505.5	0.0	1825.9	0.00	6.00	0	1084.8
9/26/22 08:13	123.73	75.60	505.6	0.0	1825.7	0.00	6.00	0	1083.9
9/26/22 08:14	123.93	75.92	505.2	0.0	1825.9	0.00	6.00	0	1085.6
9/26/22 08:15	124.00	76.02	504.5	0.0	1825.4	0.00	6.00	0	1086.2
9/26/22 08:16	123.99	75.63	504.8	0.0	1825.6	0.00	6.00	0	1086.2
9/26/22 08:17	123.91	76.02	504.7	0.0	1825.1	0.00	6.00	0	1085.5
9/26/22 08:18	124.09	75.66	504.9	0.0	1824.8	0.00	6.00	0	1087.0
9/26/22 08:19	123.96	75.48	504.7	0.0	1824.7	0.00	6.00	0	1085.9
9/26/22 08:20	123.78	75.68	504.5	0.0	1824.7	0.00	6.00	0	1084.3
9/26/22 08:21	123.81	75.64	504.5	0.0	1824.5	0.00	6.00	0	1084.6
9/26/22 08:22	123.83	75.80	504.5	0.0	1824.9	0.00	6.00	0	1084.7
9/26/22 08:23	123.74	75.93	504.5	0.0	1824.2	0.00	6.00	0	1083.9
9/26/22 08:24	123.79	75.62	504.5	0.0	1824.2	0.00	6.00	0	1084.4
9/26/22 08:25	123.91	75.71	504.5	0.0	1824.5	0.00	6.00	0	1085.5
9/26/22 08:26	123.82	75.57	504.5	0.0	1824.5	0.00	6.00	0	1084.6
9/26/22 08:27	123.74	75.48	504.5	0.0	1824.5	0.00	6.00	0	1083.9
9/26/22 08:28	123.58	76.08	504.3	0.0	1824.7	0.00	6.00	0	1082.5
9/26/22 08:29	123.63	75.51	504.5	0.0	1824.5	0.00	6.00	0	1083.0
9/26/22 08:30	123.79	75.68	504.5	0.0	1824.9	0.00	6.00	0	1084.4
9/26/22 08:31	123.69	75.70	504.5	0.0	1824.9	0.00	6.00	0	1083.5
9/26/22 08:32	123.88	75.79	504.5	0.0	1825.5	0.00	6.00	0	1085.2
9/26/22 08:33	123.75	75.89	504.5	0.0	1824.8	0.00	6.00	0	1084.0
9/26/22 08:34	123.66	75.81	504.5	0.0	1824.6	0.00	6.00	0	1083.3
9/26/22 08:35	123.44	75.67	504.5	0.0	1824.2	0.00	6.00	0	1081.3
9/26/22 08:36	123.25	76.04	504.3	0.0	1824.2	0.00	6.00	0	1079.7
9/26/22 08:37	123.28	75.67	504.5	0.0	1825.1	0.00	6.00	0	1079.9
9/26/22 08:38	123.34	76.21	505.5	0.0	1825.8	0.00	6.00	0	1080.5
9/26/22 08:39	123.60	75.28	504.5	0.0	1825.3	0.00	6.00	0	1082.8
9/26/22 08:40	123.49	75.73	504.5	0.0	1825.4	0.00	6.00	0	1081.7
9/26/22 08:41	123.43	75.95	505.5	0.0	1826.0	0.00	6.00	0	1081.3

McI CT2 Process Data
Averaged Data Gaseous

Date Time	Oil Supply gpm	Load MW	Exhaust Temp deg. C	Gas Flow 10scfm	Turbine Inlet Temp deg F.	Gas On	Oil On	Gas scfh	Total Heat Input MMBtu/hr
9/26/22 08:42	123.28	75.53	504.9	0.0	1825.1	0.00	6.00	0	1080.0
9/26/22 08:43	123.29	75.99	504.9	0.0	1825.3	0.00	6.00	0	1080.0
9/26/22 08:44	123.30	75.93	504.9	0.0	1825.7	0.00	6.00	0	1080.1
9/26/22 08:45	123.02	75.62	504.5	0.0	1825.1	0.00	6.00	0	1077.6
9/26/22 08:46	123.16	75.76	505.2	0.0	1825.6	0.00	6.00	0	1078.8
9/26/22 08:47	123.44	76.03	505.3	0.0	1825.1	0.00	6.00	0	1081.3
9/26/22 08:48	123.39	75.98	505.3	0.0	1824.9	0.00	6.00	0	1080.9
9/26/22 08:49	123.58	75.81	506.3	0.0	1826.1	0.00	6.00	0	1082.6
9/26/22 08:50	123.42	75.90	506.4	0.0	1827.6	0.00	6.00	0	1081.2
9/26/22 08:51	123.18	75.91	506.9	0.0	1828.6	0.00	6.00	0	1079.1
9/26/22 08:52	123.13	76.12	507.4	0.0	1827.6	0.00	6.00	0	1078.6
9/26/22 08:53	123.19	75.87	505.9	0.0	1826.2	0.00	6.00	0	1079.1
9/26/22 08:54	122.94	75.94	506.0	0.0	1826.2	0.00	6.00	0	1076.9
9/26/22 08:55	122.83	75.64	506.0	0.0	1826.3	0.00	6.00	0	1076.0
9/26/22 08:56	122.88	76.25	506.3	0.0	1827.5	0.00	6.00	0	1076.4
9/26/22 08:57	122.83	75.77	506.0	0.0	1826.9	0.00	6.00	0	1076.0
9/26/22 08:58	123.02	75.94	506.3	0.0	1827.3	0.00	6.00	0	1077.6
9/26/22 08:59	122.92	76.10	505.8	0.0	1826.3	0.00	6.00	0	1076.8
9/26/22 09:00	122.54	76.04	505.8	0.0	1826.0	0.00	6.00	0	1073.4
9/26/22 09:01	122.74	75.74	505.8	0.0	1826.5	0.00	6.00	0	1075.2
9/26/22 09:02	122.89	76.61	505.8	0.0	1826.7	0.00	6.00	0	1076.5
9/26/22 09:03	123.14	75.58	506.7	0.0	1827.8	0.00	6.00	0	1078.7
9/26/22 09:04	122.89	75.88	506.5	0.0	1827.6	0.00	6.00	0	1076.5
9/26/22 09:05	122.84	75.84	506.2	0.0	1827.0	0.00	6.00	0	1076.1
9/26/22 09:06	122.79	76.22	506.2	0.0	1826.6	0.00	6.00	0	1075.6
9/26/22 09:07	122.86	76.01	506.3	0.0	1828.0	0.00	6.00	0	1076.3
9/26/22 09:08	122.97	75.55	506.2	0.0	1826.9	0.00	6.00	0	1077.2
Run 1 Average	**123.44**	**75.83**	**505.26**	**0.00**	**1825.71**	**0.00**	**6.00**	**0**	**1081.3**
Run 2 Start - FO									
9/26/22 09:18	123.32	75.74	508.7	0.0	1829.8	0.00	6.00	0	1080.2
9/26/22 09:19	122.95	75.77	509.1	0.0	1829.7	0.00	6.00	0	1077.0
9/26/22 09:20	123.17	76.17	508.7	0.0	1827.6	0.00	6.00	0	1079.0
9/26/22 09:21	123.58	76.09	507.0	0.0	1827.7	0.00	6.00	0	1082.6
9/26/22 09:22	123.48	75.99	507.4	0.0	1828.5	0.00	6.00	0	1081.7
9/26/22 09:23	123.39	75.53	507.3	0.0	1828.6	0.00	6.00	0	1080.9
9/26/22 09:24	123.64	75.66	508.1	0.0	1829.9	0.00	6.00	0	1083.1
9/26/22 09:25	123.87	76.07	508.5	0.0	1830.8	0.00	6.00	0	1085.1
9/26/22 09:26	123.32	75.91	508.1	0.0	1830.3	0.00	6.00	0	1080.3
9/26/22 09:27	123.13	75.68	507.6	0.0	1828.6	0.00	6.00	0	1078.6
9/26/22 09:28	122.99	75.92	507.1	0.0	1828.8	0.00	6.00	0	1077.4
9/26/22 09:29	123.08	76.07	507.7	0.0	1829.5	0.00	6.00	0	1078.2
9/26/22 09:30	123.22	76.06	508.1	0.0	1829.3	0.00	6.00	0	1079.4
9/26/22 09:31	123.27	75.85	507.5	0.0	1829.9	0.00	6.00	0	1079.9
9/26/22 09:32	123.64	75.77	507.9	0.0	1830.1	0.00	6.00	0	1083.1
9/26/22 09:33	123.44	75.96	508.7	0.0	1831.0	0.00	6.00	0	1081.3
9/26/22 09:34	123.51	76.01	509.1	0.0	1832.6	0.00	6.00	0	1082.0
9/26/22 09:35	123.21	75.88	509.3	0.0	1832.0	0.00	6.00	0	1079.3
9/26/22 09:36	123.39	75.66	510.1	0.0	1832.3	0.00	6.00	0	1080.9
9/26/22 09:37	123.47	75.79	509.7	0.0	1831.4	0.00	6.00	0	1081.6
9/26/22 09:38	123.78	75.66	509.1	0.0	1831.0	0.00	6.00	0	1084.3
9/26/22 09:39	123.71	75.70	509.9	0.0	1832.0	0.00	6.00	0	1083.7
9/26/22 09:40	123.88	75.87	509.2	0.0	1830.8	0.00	6.00	0	1085.2
9/26/22 09:41	123.97	75.52	509.1	0.0	1831.5	0.00	6.00	0	1086.0
9/26/22 09:42	123.38	75.79	508.9	0.0	1831.1	0.00	6.00	0	1080.8
9/26/22 09:43	123.53	75.62	508.9	0.0	1831.1	0.00	6.00	0	1082.1
9/26/22 09:44	123.72	75.99	510.1	0.0	1832.6	0.00	6.00	0	1083.8
9/26/22 09:45	123.77	76.05	509.7	0.0	1832.6	0.00	6.00	0	1084.2
9/26/22 09:46	123.57	75.63	509.3	0.0	1831.4	0.00	6.00	0	1082.5
9/26/22 09:47	123.24	75.88	509.0	0.0	1831.0	0.00	6.00	0	1079.5
9/26/22 09:48	123.42	76.24	508.8	0.0	1830.8	0.00	6.00	0	1081.2
9/26/22 09:49	123.13	75.93	509.1	0.0	1831.9	0.00	6.00	0	1078.6
9/26/22 09:50	123.14	76.02	509.4	0.0	1832.2	0.00	6.00	0	1078.7
9/26/22 09:51	123.27	75.62	509.1	0.0	1832.1	0.00	6.00	0	1079.8
9/26/22 09:52	123.14	76.26	508.4	0.0	1830.7	0.00	6.00	0	1078.7
9/26/22 09:53	123.20	76.29	508.7	0.0	1830.6	0.00	6.00	0	1079.2
9/26/22 09:54	123.19	76.23	509.7	0.0	1831.1	0.00	6.00	0	1079.1
9/26/22 09:55	123.34	76.02	509.3	0.0	1831.3	0.00	6.00	0	1080.5
9/26/22 09:56	123.39	75.62	509.1	0.0	1830.8	0.00	6.00	0	1080.9

McI CT2 Process Data
Averaged Data Gaseous

Date Time	Oil Supply gpm	Load MW	Exhaust Temp deg. C	Gas Flow 10scfm	Turbine Inlet Temp deg F.	Gas On	Oil On	Gas scfh	Total Heat Input MMBtu/hr
9/26/22 09:57	123.01	75.80	509.3	0.0	1831.9	0.00	6.00	0	1077.6
9/26/22 09:58	122.67	75.79	509.5	0.0	1832.6	0.00	6.00	0	1074.6
9/26/22 09:59	122.83	75.62	510.5	0.0	1832.3	0.00	6.00	0	1076.0
9/26/22 10:00	122.77	76.12	510.6	0.0	1832.8	0.00	6.00	0	1075.4
9/26/22 10:01	122.94	76.11	509.9	0.0	1831.9	0.00	6.00	0	1077.0
9/26/22 10:02	123.03	75.84	510.3	0.0	1831.9	0.00	6.00	0	1077.8
9/26/22 10:03	122.78	75.89	509.7	0.0	1832.0	0.00	6.00	0	1075.6
9/26/22 10:04	122.97	76.04	509.7	0.0	1832.3	0.00	6.00	0	1077.2
9/26/22 10:05	122.77	75.73	510.5	0.0	1833.0	0.00	6.00	0	1075.4
9/26/22 10:06	123.06	75.72	511.1	0.0	1833.2	0.00	6.00	0	1078.0
9/26/22 10:07	123.14	75.97	511.1	0.0	1833.7	0.00	6.00	0	1078.7
9/26/22 10:08	122.89	75.76	511.8	0.0	1835.3	0.00	6.00	0	1076.5
9/26/22 10:09	122.86	75.82	511.5	0.0	1835.2	0.00	6.00	0	1076.2
9/26/22 10:10	122.75	75.48	511.5	0.0	1836.6	0.00	6.00	0	1075.3
9/26/22 10:11	122.98	75.94	511.6	0.0	1836.9	0.00	6.00	0	1077.3
9/26/22 10:12	122.74	76.02	511.6	0.0	1835.8	0.00	6.00	0	1075.2
9/26/22 10:13	123.10	76.06	510.7	0.0	1834.5	0.00	6.00	0	1078.3
9/26/22 10:14	122.89	75.70	510.5	0.0	1833.8	0.00	6.00	0	1076.5
9/26/22 10:15	123.05	75.93	511.3	0.0	1835.4	0.00	6.00	0	1077.9
9/26/22 10:16	123.10	75.93	512.4	0.0	1836.4	0.00	6.00	0	1078.3
9/26/22 10:17	123.15	76.05	512.6	0.0	1837.2	0.00	6.00	0	1078.8
9/26/22 10:18	123.22	75.88	512.6	0.0	1837.1	0.00	6.00	0	1079.4
Run 2 Average	**123.24**	**75.88**	**509.52**	**0.00**	**1831.92**	**0.00**	**6.00**	**0**	**1079.6**
Run 3 Start - FO									
9/26/22 10:28	122.86	76.20	512.6	0.0	1837.4	0.00	6.00	0	1076.2
9/26/22 10:29	123.33	75.80	513.4	0.0	1838.6	0.00	6.00	0	1080.4
9/26/22 10:30	123.19	75.84	512.8	0.0	1837.8	0.00	6.00	0	1079.2
9/26/22 10:31	123.12	75.36	512.6	0.0	1837.6	0.00	6.00	0	1078.5
9/26/22 10:32	123.22	75.51	513.7	0.0	1838.8	0.00	6.00	0	1079.4
9/26/22 10:33	123.04	75.84	513.9	0.0	1839.0	0.00	6.00	0	1077.8
9/26/22 10:34	123.13	75.27	513.0	0.0	1838.3	0.00	6.00	0	1078.6
9/26/22 10:35	123.44	75.66	512.5	0.0	1837.8	0.00	6.00	0	1081.4
9/26/22 10:36	123.32	75.83	512.8	0.0	1838.6	0.00	6.00	0	1080.3
9/26/22 10:37	123.16	75.76	513.9	0.0	1841.1	0.00	6.00	0	1078.9
9/26/22 10:38	123.13	75.96	514.2	0.0	1841.3	0.00	6.00	0	1078.6
9/26/22 10:39	123.18	75.70	513.2	0.0	1839.4	0.00	6.00	0	1079.1
9/26/22 10:40	123.10	76.02	512.4	0.0	1837.8	0.00	6.00	0	1078.3
9/26/22 10:41	123.03	76.09	512.8	0.0	1838.3	0.00	6.00	0	1077.7
9/26/22 10:42	123.29	75.49	513.6	0.0	1839.7	0.00	6.00	0	1080.0
9/26/22 10:43	123.28	75.40	513.2	0.0	1839.2	0.00	6.00	0	1080.0
9/26/22 10:44	123.00	75.80	512.8	0.0	1838.5	0.00	6.00	0	1077.5
9/26/22 10:45	122.87	75.45	514.0	0.0	1840.4	0.00	6.00	0	1076.3
9/26/22 10:46	123.24	75.67	514.6	0.0	1841.5	0.00	6.00	0	1079.5
9/26/22 10:47	123.00	75.70	513.7	0.0	1839.9	0.00	6.00	0	1077.5
9/26/22 10:48	123.10	75.71	513.7	0.0	1840.5	0.00	6.00	0	1078.3
9/26/22 10:49	122.89	76.28	514.0	0.0	1839.5	0.00	6.00	0	1076.5
9/26/22 10:50	122.89	75.75	514.2	0.0	1840.3	0.00	6.00	0	1076.5
9/26/22 10:51	123.00	76.06	514.2	0.0	1841.1	0.00	6.00	0	1077.5
9/26/22 10:52	122.70	76.27	513.0	0.0	1839.1	0.00	6.00	0	1074.9
9/26/22 10:53	122.50	76.18	513.8	0.0	1839.9	0.00	6.00	0	1073.1
9/26/22 10:54	122.37	76.22	513.9	0.0	1840.1	0.00	6.00	0	1072.0
9/26/22 10:55	122.70	75.62	513.7	0.0	1838.8	0.00	6.00	0	1074.9
9/26/22 10:56	122.63	76.34	514.8	0.0	1840.3	0.00	6.00	0	1074.2
9/26/22 10:57	122.77	75.29	515.3	0.0	1841.4	0.00	6.00	0	1075.4
9/26/22 10:58	122.70	76.28	514.5	0.0	1840.3	0.00	6.00	0	1074.8
9/26/22 10:59	122.69	76.13	513.9	0.0	1839.5	0.00	6.00	0	1074.7
9/26/22 11:00	122.49	75.81	514.9	0.0	1840.6	0.00	6.00	0	1073.0
9/26/22 11:01	122.72	76.20	515.2	0.0	1840.7	0.00	6.00	0	1075.1
9/26/22 11:02	122.88	76.13	516.5	0.0	1842.8	0.00	6.00	0	1076.4
9/26/22 11:04	122.80	75.97	516.1	0.0	1841.0	0.00	6.00	0	1075.7
9/26/22 11:05	122.64	76.00	516.1	0.0	1840.5	0.00	6.00	0	1074.4
9/26/22 11:06	122.68	76.06	516.1	0.0	1840.8	0.00	6.00	0	1074.7
9/26/22 11:07	122.99	75.67	516.1	0.0	1840.3	0.00	6.00	0	1077.4
9/26/22 11:08	122.75	75.58	514.6	0.0	1840.8	0.00	6.00	0	1075.3
9/26/22 11:09	122.61	75.62	515.2	0.0	1841.8	0.00	6.00	0	1074.0
9/26/22 11:10	122.76	76.02	515.0	0.0	1842.3	0.00	6.00	0	1075.4
9/26/22 11:11	122.75	75.80	515.4	0.0	1842.7	0.00	6.00	0	1075.3
9/26/22 11:12	122.77	75.80	515.6	0.0	1843.5	0.00	6.00	0	1075.5

McI CT2 Process Data
Averaged Data Gaseous

Date Time	Oil Supply gpm	Load MW	Exhaust Temp deg. C	Gas Flow 10scfm	Turbine Inlet Temp deg F.	Gas On	Oil On	Gas scfh	Total Heat Input MMBtu/hr
9/26/22 11:13	122.64	75.71	514.7	0.0	1843.7	0.00	6.00	0	1074.4
9/26/22 11:14	122.64	75.76	514.3	0.0	1841.7	0.00	6.00	0	1074.4
9/26/22 11:15	122.64	75.97	516.1	0.0	1845.5	0.00	6.00	0	1074.4
9/26/22 11:16	122.65	75.94	515.6	0.0	1844.1	0.00	6.00	0	1074.4
9/26/22 11:17	122.45	75.95	515.2	0.0	1843.3	0.00	6.00	0	1072.7
9/26/22 11:18	122.65	76.07	514.4	0.0	1842.7	0.00	6.00	0	1074.4
9/26/22 11:19	122.52	75.69	514.0	0.0	1842.1	0.00	6.00	0	1073.3
9/26/22 11:20	122.55	76.34	515.1	0.0	1844.2	0.00	6.00	0	1073.6
9/26/22 11:21	122.86	75.54	515.0	0.0	1843.3	0.00	6.00	0	1076.3
9/26/22 11:22	123.05	75.90	516.3	0.0	1846.4	0.00	6.00	0	1077.9
9/26/22 11:23	122.90	75.80	515.4	0.0	1843.2	0.00	6.00	0	1076.6
9/26/22 11:24	123.00	75.80	515.9	0.0	1844.6	0.00	6.00	0	1077.5
9/26/22 11:25	122.94	76.12	515.3	0.0	1844.0	0.00	6.00	0	1076.9
9/26/22 11:26	122.90	75.62	516.3	0.0	1846.1	0.00	6.00	0	1076.6
9/26/22 11:27	122.94	75.83	516.9	0.0	1846.2	0.00	6.00	0	1077.0
9/26/22 11:28	122.80	75.90	516.1	0.0	1845.4	0.00	6.00	0	1075.7
Run 3 Average	**122.88**	**75.85**	**514.47**	**0.00**	**1841.10**	**0.00**	**6.00**	**0**	**1076.4**
Run 4 Start - FO									
9/26/22 11:38	122.85	75.91	514.0	0.0	1843.2	0.00	6.00	0	1076.1
9/26/22 11:39	123.00	76.35	514.2	0.0	1844.2	0.00	6.00	0	1077.5
9/26/22 11:40	123.12	75.53	514.8	0.0	1845.2	0.00	6.00	0	1078.5
9/26/22 11:41	123.05	75.86	515.6	0.0	1846.7	0.00	6.00	0	1077.9
9/26/22 11:42	122.86	75.77	515.2	0.0	1845.6	0.00	6.00	0	1076.3
9/26/22 11:43	123.17	75.67	515.2	0.0	1845.4	0.00	6.00	0	1079.0
9/26/22 11:44	122.86	75.55	515.8	0.0	1846.1	0.00	6.00	0	1076.3
9/26/22 11:45	122.95	76.06	515.4	0.0	1846.2	0.00	6.00	0	1077.1
9/26/22 11:46	122.99	75.91	515.2	0.0	1845.3	0.00	6.00	0	1077.4
9/26/22 11:47	122.99	75.64	515.4	0.0	1845.9	0.00	6.00	0	1077.4
9/26/22 11:48	123.25	75.75	515.7	0.0	1846.3	0.00	6.00	0	1079.7
9/26/22 11:49	123.03	75.82	515.7	0.0	1846.7	0.00	6.00	0	1077.7
9/26/22 11:50	123.12	76.34	515.4	0.0	1845.4	0.00	6.00	0	1078.5
9/26/22 11:51	123.25	75.71	516.1	0.0	1847.8	0.00	6.00	0	1079.7
9/26/22 11:52	123.01	75.94	515.6	0.0	1846.1	0.00	6.00	0	1077.6
9/26/22 11:53	123.27	76.14	516.1	0.0	1847.5	0.00	6.00	0	1079.9
9/26/22 11:54	123.33	75.82	515.5	0.0	1846.1	0.00	6.00	0	1080.3
9/26/22 11:55	123.39	75.69	515.2	0.0	1845.1	0.00	6.00	0	1080.9
9/26/22 11:56	123.29	75.63	515.2	0.0	1845.4	0.00	6.00	0	1080.0
9/26/22 11:57	123.39	76.14	515.8	0.0	1846.4	0.00	6.00	0	1080.9
9/26/22 11:58	123.38	75.80	516.2	0.0	1847.0	0.00	6.00	0	1080.8
9/26/22 11:59	123.35	75.48	515.8	0.0	1846.7	0.00	6.00	0	1080.5
9/26/22 12:00	123.19	75.92	516.1	0.0	1847.6	0.00	6.00	0	1079.2
9/26/22 12:01	123.39	76.00	514.7	0.0	1844.5	0.00	6.00	0	1080.9
9/26/22 12:02	122.89	75.71	514.7	0.0	1844.5	0.00	6.00	0	1076.5
9/26/22 12:03	123.00	76.17	515.0	0.0	1844.9	0.00	6.00	0	1077.5
9/26/22 12:04	122.93	75.95	516.1	0.0	1846.7	0.00	6.00	0	1076.9
9/26/22 12:05	122.66	75.50	515.4	0.0	1845.2	0.00	6.00	0	1074.5
9/26/22 12:06	122.84	75.60	515.7	0.0	1847.6	0.00	6.00	0	1076.1
9/26/22 12:07	122.64	75.85	515.4	0.0	1846.3	0.00	6.00	0	1074.3
9/26/22 12:08	122.76	76.03	516.3	0.0	1847.6	0.00	6.00	0	1075.4
9/26/22 12:09	122.67	75.83	516.5	0.0	1848.0	0.00	6.00	0	1074.6
9/26/22 12:10	122.56	75.99	515.2	0.0	1845.8	0.00	6.00	0	1073.7
9/26/22 12:11	122.44	75.73	516.1	0.0	1847.5	0.00	6.00	0	1072.5
9/26/22 12:12	122.67	75.50	516.7	0.0	1849.1	0.00	6.00	0	1074.6
9/26/22 12:13	122.56	75.64	516.1	0.0	1847.4	0.00	6.00	0	1073.7
9/26/22 12:14	122.46	75.77	516.3	0.0	1847.3	0.00	6.00	0	1072.8
9/26/22 12:15	122.55	75.71	516.1	0.0	1847.1	0.00	6.00	0	1073.5
9/26/22 12:16	122.66	75.68	515.6	0.0	1846.6	0.00	6.00	0	1074.5
9/26/22 12:17	122.83	75.59	515.0	0.0	1845.4	0.00	6.00	0	1076.0
9/26/22 12:18	122.80	75.55	515.0	0.0	1845.3	0.00	6.00	0	1075.7
9/26/22 12:19	122.66	75.76	515.2	0.0	1845.5	0.00	6.00	0	1074.5
9/26/22 12:20	122.74	76.02	514.9	0.0	1845.2	0.00	6.00	0	1075.2
9/26/22 12:21	122.69	75.46	515.2	0.0	1846.3	0.00	6.00	0	1074.8
9/26/22 12:22	122.71	75.64	515.6	0.0	1846.5	0.00	6.00	0	1074.9
9/26/22 12:23	122.65	75.90	515.2	0.0	1846.0	0.00	6.00	0	1074.4
9/26/22 12:24	123.19	75.71	515.9	0.0	1847.6	0.00	6.00	0	1079.2
9/26/22 12:25	123.13	75.82	516.5	0.0	1848.6	0.00	6.00	0	1078.6
9/26/22 12:26	123.13	76.06	516.2	0.0	1847.9	0.00	6.00	0	1078.6
9/26/22 12:27	123.19	75.94	516.1	0.0	1847.7	0.00	6.00	0	1079.2

McI CT2 Process Data
Averaged Data Gaseous

Date Time	Oil Supply gpm	Load MW	Exhaust Temp deg. C	Gas Flow 10scfm	Turbine Inlet Temp deg F.	Gas On	Oil On	Gas scfh	Total Heat Input MMBtu/hr
9/26/22 12:28	123.19	75.96	515.2	0.0	1845.4	0.00	6.00	0	1079.1
9/26/22 12:29	123.18	75.58	515.2	0.0	1845.7	0.00	6.00	0	1079.1
9/26/22 12:30	123.63	75.94	516.1	0.0	1847.9	0.00	6.00	0	1083.0
9/26/22 12:31	123.45	75.99	516.1	0.0	1847.9	0.00	6.00	0	1081.4
9/26/22 12:32	123.50	75.40	516.3	0.0	1848.3	0.00	6.00	0	1081.8
9/26/22 12:33	123.34	75.80	516.3	0.0	1847.9	0.00	6.00	0	1080.5
9/26/22 12:34	123.28	76.14	515.5	0.0	1847.1	0.00	6.00	0	1079.9
9/26/22 12:35	123.06	76.06	516.5	0.0	1848.3	0.00	6.00	0	1078.0
9/26/22 12:36	122.46	75.63	516.9	0.0	1849.5	0.00	6.00	0	1072.8
9/26/22 12:37	122.44	76.02	515.2	0.0	1846.5	0.00	6.00	0	1072.6
9/26/22 12:38	122.95	76.02	516.9	0.0	1849.5	0.00	6.00	0	1077.0
Run 4 Average	**122.98**	**75.82**	**515.63**	**0.00**	**1846.56**	**0.00**	**6.00**	**0**	**1077.3**
Run 5 Start - FO									
9/26/22 12:48	123.02	75.38	515.2	0.0	1846.7	0.00	6.00	0	1077.7
9/26/22 12:49	122.95	75.60	515.2	0.0	1845.7	0.00	6.00	0	1077.0
9/26/22 12:50	123.07	75.93	515.2	0.0	1845.8	0.00	6.00	0	1078.1
9/26/22 12:51	122.95	75.70	515.2	0.0	1845.5	0.00	6.00	0	1077.0
9/26/22 12:52	122.89	75.88	516.5	0.0	1849.2	0.00	6.00	0	1076.5
9/26/22 12:53	122.80	76.11	515.9	0.0	1847.3	0.00	6.00	0	1075.7
9/26/22 12:54	122.94	75.79	515.7	0.0	1847.1	0.00	6.00	0	1077.0
9/26/22 12:55	122.84	75.62	516.2	0.0	1848.7	0.00	6.00	0	1076.1
9/26/22 12:56	122.26	75.91	516.3	0.0	1848.5	0.00	6.00	0	1071.0
9/26/22 12:57	122.59	76.00	516.1	0.0	1848.0	0.00	6.00	0	1073.9
9/26/22 12:58	122.63	75.93	517.9	0.0	1852.6	0.00	6.00	0	1074.3
9/26/22 12:59	122.55	76.15	518.3	0.0	1852.2	0.00	6.00	0	1073.5
9/26/22 13:00	122.43	75.98	517.3	0.0	1851.0	0.00	6.00	0	1072.5
9/26/22 13:01	122.46	75.67	516.7	0.0	1849.3	0.00	6.00	0	1072.8
9/26/22 13:02	122.45	75.79	516.9	0.0	1849.9	0.00	6.00	0	1072.6
9/26/22 13:03	122.42	75.97	516.1	0.0	1847.3	0.00	6.00	0	1072.4
9/26/22 13:04	122.68	75.53	516.7	0.0	1849.8	0.00	6.00	0	1074.7
9/26/22 13:05	122.55	75.92	516.5	0.0	1849.0	0.00	6.00	0	1073.5
9/26/22 13:06	122.41	76.18	515.8	0.0	1847.2	0.00	6.00	0	1072.3
9/26/22 13:07	122.64	75.53	515.8	0.0	1847.8	0.00	6.00	0	1074.4
9/26/22 13:08	122.74	75.89	516.7	0.0	1850.1	0.00	6.00	0	1075.2
9/26/22 13:09	122.80	75.52	517.4	0.0	1851.1	0.00	6.00	0	1075.7
9/26/22 13:10	122.69	76.11	517.5	0.0	1851.3	0.00	6.00	0	1074.7
9/26/22 13:11	122.72	75.97	516.7	0.0	1849.8	0.00	6.00	0	1075.1
9/26/22 13:12	122.75	75.74	517.0	0.0	1850.2	0.00	6.00	0	1075.3
9/26/22 13:13	122.74	76.02	517.5	0.0	1851.2	0.00	6.00	0	1075.2
9/26/22 13:14	122.74	76.00	516.3	0.0	1848.6	0.00	6.00	0	1075.2
9/26/22 13:15	122.64	75.98	516.3	0.0	1848.9	0.00	6.00	0	1074.4
9/26/22 13:16	122.50	76.08	516.3	0.0	1848.4	0.00	6.00	0	1073.1
9/26/22 13:17	122.56	75.68	516.3	0.0	1848.8	0.00	6.00	0	1073.6
9/26/22 13:18	122.74	76.12	516.7	0.0	1849.5	0.00	6.00	0	1075.2
9/26/22 13:19	122.68	75.83	517.3	0.0	1850.8	0.00	6.00	0	1074.7
9/26/22 13:20	122.78	75.45	516.3	0.0	1848.1	0.00	6.00	0	1075.6
9/26/22 13:21	122.59	75.76	516.1	0.0	1847.6	0.00	6.00	0	1073.9
9/26/22 13:22	122.45	75.58	515.6	0.0	1847.3	0.00	6.00	0	1072.7
9/26/22 13:23	122.51	75.68	515.8	0.0	1847.3	0.00	6.00	0	1073.2
9/26/22 13:24	122.55	75.74	516.1	0.0	1847.5	0.00	6.00	0	1073.5
9/26/22 13:25	122.63	75.80	516.5	0.0	1849.4	0.00	6.00	0	1074.3
9/26/22 13:26	122.71	75.53	516.9	0.0	1850.2	0.00	6.00	0	1074.9
9/26/22 13:27	123.03	76.10	517.7	0.0	1851.1	0.00	6.00	0	1077.7
9/26/22 13:28	123.10	75.57	517.9	0.0	1853.3	0.00	6.00	0	1078.3
9/26/22 13:29	123.14	76.10	517.1	0.0	1849.8	0.00	6.00	0	1078.7
9/26/22 13:30	123.26	75.67	516.3	0.0	1849.1	0.00	6.00	0	1079.8
9/26/22 13:31	123.09	75.76	517.1	0.0	1849.9	0.00	6.00	0	1078.3
9/26/22 13:32	123.33	76.15	517.9	0.0	1852.7	0.00	6.00	0	1080.3
9/26/22 13:33	123.13	76.05	517.9	0.0	1851.9	0.00	6.00	0	1078.6
9/26/22 13:34	123.14	75.83	518.3	0.0	1851.9	0.00	6.00	0	1078.7
9/26/22 13:35	123.19	76.04	517.9	0.0	1852.3	0.00	6.00	0	1079.2
9/26/22 13:36	123.24	75.70	517.5	0.0	1850.5	0.00	6.00	0	1079.5
9/26/22 13:37	123.14	75.48	517.7	0.0	1851.6	0.00	6.00	0	1078.7
9/26/22 13:38	123.12	75.84	517.9	0.0	1852.3	0.00	6.00	0	1078.5
9/26/22 13:39	123.19	76.14	518.4	0.0	1852.4	0.00	6.00	0	1079.2
9/26/22 13:40	123.22	75.81	518.5	0.0	1853.2	0.00	6.00	0	1079.4
9/26/22 13:41	123.13	75.13	518.3	0.0	1852.3	0.00	6.00	0	1078.6
9/26/22 13:42	123.14	75.45	518.3	0.0	1852.9	0.00	6.00	0	1078.7

McI CT2 Process Data
Averaged Data Gaseous

Date Time	Oil Supply gpm	Load MW	Exhaust Temp deg. C	Gas Flow 10scfm	Turbine Inlet Temp deg F.	Gas On	Oil On	Gas scfh	Total Heat Input MMBtu/hr
9/26/22 13:43	123.02	75.89	518.9	0.0	1853.7	0.00	6.00	0	1077.7
9/26/22 13:44	122.99	75.62	518.1	0.0	1852.4	0.00	6.00	0	1077.4
9/26/22 13:45	122.95	76.05	517.5	0.0	1851.0	0.00	6.00	0	1077.0
9/26/22 13:46	122.89	75.71	517.5	0.0	1850.4	0.00	6.00	0	1076.5
9/26/22 13:47	122.94	76.27	517.5	0.0	1850.4	0.00	6.00	0	1077.0
9/26/22 13:48	122.99	75.79	518.1	0.0	1852.0	0.00	6.00	0	1077.4
Run 5 Average	**122.83**	**75.82**	**516.94**	**0.00**	**1849.86**	**0.00**	**6.00**	**0**	**1076.0**
Run 6 Start - FO									
9/26/22 14:03	122.74	75.36	516.3	0.0	1848.9	0.00	6.00	0	1075.2
9/26/22 14:04	122.80	75.63	516.3	0.0	1848.9	0.00	6.00	0	1075.7
9/26/22 14:05	122.80	75.84	517.5	0.0	1851.1	0.00	6.00	0	1075.7
9/26/22 14:06	122.79	75.67	517.5	0.0	1851.1	0.00	6.00	0	1075.6
9/26/22 14:07	122.74	75.40	517.4	0.0	1850.8	0.00	6.00	0	1075.2
9/26/22 14:08	122.74	75.80	517.7	0.0	1852.1	0.00	6.00	0	1075.2
9/26/22 14:09	122.73	75.50	518.5	0.0	1853.7	0.00	6.00	0	1075.1
9/26/22 14:10	122.73	75.86	519.3	0.0	1855.1	0.00	6.00	0	1075.1
9/26/22 14:11	122.85	75.96	519.9	0.0	1856.1	0.00	6.00	0	1076.2
9/26/22 14:12	123.09	75.75	519.5	0.0	1855.7	0.00	6.00	0	1078.3
9/26/22 14:13	123.04	75.76	518.5	0.0	1853.2	0.00	6.00	0	1077.8
9/26/22 14:14	123.32	76.29	517.7	0.0	1851.8	0.00	6.00	0	1080.3
9/26/22 14:15	123.36	75.93	518.1	0.0	1852.4	0.00	6.00	0	1080.7
9/26/22 14:16	123.37	75.72	518.7	0.0	1854.3	0.00	6.00	0	1080.7
9/26/22 14:17	123.38	75.90	518.9	0.0	1854.1	0.00	6.00	0	1080.8
9/26/22 14:18	123.24	76.02	518.3	0.0	1853.0	0.00	6.00	0	1079.5
9/26/22 14:19	123.37	75.37	518.5	0.0	1854.0	0.00	6.00	0	1080.7
9/26/22 14:20	123.46	75.90	518.7	0.0	1853.9	0.00	6.00	0	1081.5
9/26/22 14:21	123.43	75.91	518.5	0.0	1853.0	0.00	6.00	0	1081.3
9/26/22 14:22	123.30	75.86	518.1	0.0	1852.8	0.00	6.00	0	1080.1
9/26/22 14:23	123.44	75.94	517.5	0.0	1851.9	0.00	6.00	0	1081.3
9/26/22 14:24	123.20	75.97	517.9	0.0	1852.4	0.00	6.00	0	1079.2
9/26/22 14:25	123.08	75.93	517.5	0.0	1851.2	0.00	6.00	0	1078.2
9/26/22 14:26	123.25	75.90	518.7	0.0	1854.7	0.00	6.00	0	1079.7
9/26/22 14:27	123.11	75.92	518.7	0.0	1853.4	0.00	6.00	0	1078.5
9/26/22 14:28	123.33	75.86	519.3	0.0	1855.6	0.00	6.00	0	1080.3
9/26/22 14:29	123.17	75.41	518.2	0.0	1852.8	0.00	6.00	0	1079.0
9/26/22 14:30	123.18	75.93	518.7	0.0	1854.2	0.00	6.00	0	1079.1
9/26/22 14:31	122.95	75.42	519.3	0.0	1855.2	0.00	6.00	0	1077.0
9/26/22 14:32	122.74	75.81	518.9	0.0	1854.2	0.00	6.00	0	1075.2
9/26/22 14:33	122.88	75.64	518.7	0.0	1853.7	0.00	6.00	0	1076.4
9/26/22 14:34	122.94	75.68	518.7	0.0	1853.8	0.00	6.00	0	1076.9
9/26/22 14:35	122.69	76.38	519.5	0.0	1856.0	0.00	6.00	0	1074.8
9/26/22 14:36	122.70	75.73	518.9	0.0	1854.1	0.00	6.00	0	1074.9
9/26/22 14:37	122.64	75.51	518.7	0.0	1854.2	0.00	6.00	0	1074.4
9/26/22 14:38	122.66	76.07	519.5	0.0	1855.7	0.00	6.00	0	1074.5
9/26/22 14:39	122.61	75.86	518.9	0.0	1854.8	0.00	6.00	0	1074.1
9/26/22 14:40	122.66	75.81	519.1	0.0	1854.8	0.00	6.00	0	1074.5
9/26/22 14:41	122.61	75.68	518.7	0.0	1854.7	0.00	6.00	0	1074.1
9/26/22 14:42	122.75	75.56	520.4	0.0	1857.4	0.00	6.00	0	1075.3
9/26/22 14:43	122.68	76.08	520.0	0.0	1856.9	0.00	6.00	0	1074.7
9/26/22 14:44	123.00	75.90	519.1	0.0	1854.3	0.00	6.00	0	1077.5
9/26/22 14:45	122.97	75.88	518.1	0.0	1853.2	0.00	6.00	0	1077.2
9/26/22 14:46	122.70	75.86	517.5	0.0	1851.7	0.00	6.00	0	1074.8
9/26/22 14:47	122.70	76.10	518.3	0.0	1852.6	0.00	6.00	0	1074.9
9/26/22 14:48	122.65	76.10	518.5	0.0	1852.7	0.00	6.00	0	1074.4
9/26/22 14:49	122.69	75.73	517.9	0.0	1852.2	0.00	6.00	0	1074.8
9/26/22 14:50	122.50	75.58	518.5	0.0	1854.1	0.00	6.00	0	1073.1
9/26/22 14:51	122.76	75.56	518.7	0.0	1854.5	0.00	6.00	0	1075.4
9/26/22 14:52	122.80	75.95	518.7	0.0	1853.8	0.00	6.00	0	1075.7
9/26/22 14:53	122.63	75.74	518.7	0.0	1853.4	0.00	6.00	0	1074.2
9/26/22 14:54	122.71	75.90	519.9	0.0	1856.0	0.00	6.00	0	1074.9
9/26/22 14:55	122.65	75.73	518.9	0.0	1854.2	0.00	6.00	0	1074.4
9/26/22 14:56	122.60	75.56	518.9	0.0	1854.9	0.00	6.00	0	1074.0
9/26/22 14:57	122.59	76.03	518.9	0.0	1855.1	0.00	6.00	0	1073.9
9/26/22 14:58	122.69	75.86	518.9	0.0	1854.9	0.00	6.00	0	1074.7
9/26/22 14:59	122.55	75.72	519.9	0.0	1856.7	0.00	6.00	0	1073.6
9/26/22 15:00	122.75	75.64	519.5	0.0	1855.4	0.00	6.00	0	1075.3
9/26/22 15:01	122.60	76.34	519.3	0.0	1855.4	0.00	6.00	0	1074.0
9/26/22 15:02	122.74	75.99	520.0	0.0	1856.5	0.00	6.00	0	1075.2

McI CT2 Process Data
Averaged Data Gaseous

Date Time	Oil Supply gpm	Load MW	Exhaust Temp deg. C	Gas Flow 10scfm	Turbine Inlet Temp deg F.	Gas On	Oil On	Gas scfh	Total Heat Input MMBtu/hr
9/26/22 15:03	122.75	75.59	519.7	0.0	1855.8	0.00	6.00	0	1075.3
Run 6 Average	**122.89**	**75.81**	**518.64**	**0.00**	**1853.86**	**0.00**	**6.00**	**0**	**1076.6**
Run 7 Start - FO									
9/26/22 15:18	123.22	75.60	519.9	0.0	1856.5	0.00	6.00	0	1079.4
9/26/22 15:19	123.10	75.73	520.0	0.0	1857.0	0.00	6.00	0	1078.3
9/26/22 15:20	122.92	76.03	519.9	0.0	1856.1	0.00	6.00	0	1076.8
9/26/22 15:21	122.95	75.91	519.9	0.0	1856.1	0.00	6.00	0	1077.1
9/26/22 15:22	122.93	75.40	519.9	0.0	1856.1	0.00	6.00	0	1076.9
9/26/22 15:23	122.69	76.20	519.7	0.0	1855.7	0.00	6.00	0	1074.8
9/26/22 15:24	122.94	76.03	520.4	0.0	1857.3	0.00	6.00	0	1076.9
9/26/22 15:25	122.99	75.78	519.5	0.0	1855.1	0.00	6.00	0	1077.4
9/26/22 15:26	122.99	75.69	519.1	0.0	1854.9	0.00	6.00	0	1077.4
9/26/22 15:27	123.08	75.98	519.0	0.0	1854.4	0.00	6.00	0	1078.2
9/26/22 15:28	122.99	76.00	518.9	0.0	1855.0	0.00	6.00	0	1077.4
9/26/22 15:29	122.84	75.88	518.7	0.0	1854.4	0.00	6.00	0	1076.1
9/26/22 15:30	122.64	75.92	518.7	0.0	1854.2	0.00	6.00	0	1074.3
9/26/22 15:31	122.74	75.90	519.9	0.0	1856.4	0.00	6.00	0	1075.2
9/26/22 15:32	122.75	76.01	519.9	0.0	1856.7	0.00	6.00	0	1075.3
9/26/22 15:33	122.74	75.68	519.4	0.0	1855.4	0.00	6.00	0	1075.2
9/26/22 15:34	122.75	75.78	519.9	0.0	1856.1	0.00	6.00	0	1075.3
9/26/22 15:35	122.98	76.26	520.1	0.0	1858.2	0.00	6.00	0	1077.3
9/26/22 15:36	122.91	75.76	519.7	0.0	1855.8	0.00	6.00	0	1076.7
9/26/22 15:37	122.84	76.24	519.7	0.0	1856.0	0.00	6.00	0	1076.1
9/26/22 15:38	122.78	75.76	520.2	0.0	1857.1	0.00	6.00	0	1075.5
9/26/22 15:39	122.84	75.79	519.3	0.0	1855.1	0.00	6.00	0	1076.1
9/26/22 15:40	122.78	75.86	519.1	0.0	1854.3	0.00	6.00	0	1075.5
9/26/22 15:41	122.80	75.68	518.7	0.0	1854.8	0.00	6.00	0	1075.7
9/26/22 15:42	122.86	75.87	518.7	0.0	1853.9	0.00	6.00	0	1076.2
9/26/22 15:43	122.97	75.67	518.7	0.0	1854.2	0.00	6.00	0	1077.2
9/26/22 15:44	123.17	75.46	518.9	0.0	1854.2	0.00	6.00	0	1079.0
9/26/22 15:45	123.00	75.98	519.1	0.0	1855.2	0.00	6.00	0	1077.5
9/26/22 15:46	122.86	75.68	519.2	0.0	1855.0	0.00	6.00	0	1076.2
9/26/22 15:47	122.86	75.85	519.9	0.0	1856.4	0.00	6.00	0	1076.2
9/26/22 15:48	122.73	75.64	518.7	0.0	1854.9	0.00	6.00	0	1075.1
9/26/22 15:49	122.83	75.70	519.3	0.0	1855.4	0.00	6.00	0	1076.0
9/26/22 15:50	122.89	75.52	518.7	0.0	1854.4	0.00	6.00	0	1076.5
9/26/22 15:51	123.00	75.28	518.7	0.0	1855.3	0.00	6.00	0	1077.5
9/26/22 15:52	122.94	75.90	518.9	0.0	1855.8	0.00	6.00	0	1077.0
9/26/22 15:53	123.09	75.63	519.7	0.0	1856.0	0.00	6.00	0	1078.3
9/26/22 15:54	122.95	76.07	519.3	0.0	1856.0	0.00	6.00	0	1077.1
9/26/22 15:55	123.09	75.80	518.9	0.0	1855.0	0.00	6.00	0	1078.3
9/26/22 15:56	123.08	75.71	518.7	0.0	1853.9	0.00	6.00	0	1078.2
9/26/22 15:57	122.99	75.80	518.7	0.0	1853.9	0.00	6.00	0	1077.4
9/26/22 15:58	122.80	76.16	518.7	0.0	1854.4	0.00	6.00	0	1075.7
9/26/22 15:59	122.84	76.11	518.7	0.0	1854.2	0.00	6.00	0	1076.1
9/26/22 16:00	122.83	76.03	518.5	0.0	1853.7	0.00	6.00	0	1076.0
9/26/22 16:01	123.02	75.89	518.3	0.0	1853.2	0.00	6.00	0	1077.6
9/26/22 16:02	123.02	75.93	517.5	0.0	1851.7	0.00	6.00	0	1077.6
9/26/22 16:03	122.81	76.02	517.5	0.0	1852.3	0.00	6.00	0	1075.9
9/26/22 16:04	122.77	75.93	517.5	0.0	1852.0	0.00	6.00	0	1075.4
9/26/22 16:05	122.86	76.24	517.3	0.0	1851.3	0.00	6.00	0	1076.2
9/26/22 16:06	122.82	75.50	517.5	0.0	1851.8	0.00	6.00	0	1075.9
9/26/22 16:07	122.75	75.89	517.9	0.0	1852.9	0.00	6.00	0	1075.3
9/26/22 16:08	122.80	75.98	518.5	0.0	1853.2	0.00	6.00	0	1075.7
9/26/22 16:09	122.75	76.11	517.5	0.0	1852.3	0.00	6.00	0	1075.3
9/26/22 16:10	122.84	75.93	518.1	0.0	1853.3	0.00	6.00	0	1076.1
9/26/22 16:11	122.91	76.28	518.7	0.0	1854.0	0.00	6.00	0	1076.7
9/26/22 16:12	122.65	75.93	518.3	0.0	1853.4	0.00	6.00	0	1074.4
9/26/22 16:13	122.63	75.80	518.7	0.0	1854.4	0.00	6.00	0	1074.2
9/26/22 16:14	122.64	75.70	518.7	0.0	1854.5	0.00	6.00	0	1074.3
9/26/22 16:15	122.55	75.67	518.7	0.0	1854.8	0.00	6.00	0	1073.6
9/26/22 16:16	122.66	75.96	518.8	0.0	1854.9	0.00	6.00	0	1074.5
9/26/22 16:17	122.70	75.96	519.0	0.0	1855.5	0.00	6.00	0	1074.8
9/26/22 16:18	122.69	76.55	519.1	0.0	1855.5	0.00	6.00	0	1074.7
Run 6 Average	**122.87**	**75.87**	**518.95**	**0.00**	**1854.78**	**0.00**	**6.00**	**0**	**1076.3**

McI CT2 Process Data
Averaged Data PM-Metal

Date Time	Oil Supply gpm	Load MW	Exhaust Temp deg. C	Gas Flow 10scfm	Turbine Inlet Temp deg F.	Gas On	Oil On	Gas scfh	Total Heat Input MMBtu/hr
Run 1 Start - NG									
9/21/22 08:56	0.00	75.90	502.2	1657.4	1818.9	6.00	0.00	994411	109385
9/21/22 08:57	0.00	75.77	502.0	1659.9	1818.4	6.00	0.00	995963	109556
9/21/22 08:58	0.00	75.78	502.1	1657.3	1819.3	6.00	0.00	994365	109380
9/21/22 08:59	0.00	75.60	502.0	1657.3	1818.8	6.00	0.00	994365	109380
9/21/22 09:00	0.00	75.76	502.1	1658.0	1817.6	6.00	0.00	994822	109430
9/21/22 09:01	0.00	75.73	502.0	1656.1	1817.3	6.00	0.00	993680	109305
9/21/22 09:02	0.00	76.03	502.0	1656.7	1818.1	6.00	0.00	994045	109345
9/21/22 09:03	0.00	75.88	502.1	1656.7	1818.0	6.00	0.00	994046	109345
9/21/22 09:04	0.00	75.75	501.6	1656.1	1817.6	6.00	0.00	993634	109300
9/21/22 09:05	0.00	75.71	502.1	1657.3	1818.6	6.00	0.00	994365	109380
9/21/22 09:06	0.00	75.75	501.8	1656.7	1818.2	6.00	0.00	994046	109345
9/21/22 09:07	0.00	75.77	502.2	1654.8	1818.5	6.00	0.00	992858	109214
9/21/22 09:08	0.00	75.69	502.7	1657.4	1818.4	6.00	0.00	994411	109385
9/21/22 09:09	0.00	75.86	502.1	1656.8	1817.6	6.00	0.00	994091	109350
9/21/22 09:10	0.00	75.93	502.2	1654.2	1818.2	6.00	0.00	992493	109174
9/21/22 09:11	0.00	76.10	502.6	1657.7	1818.8	6.00	0.00	994639	109410
9/21/22 09:12	0.00	75.79	502.1	1656.0	1817.5	6.00	0.00	993589	109295
9/21/22 09:13	0.00	75.85	502.2	1653.6	1817.8	6.00	0.00	992173	109139
9/21/22 09:14	0.00	75.98	502.6	1656.7	1818.6	6.00	0.00	994000	109340
9/21/22 09:15	0.00	75.79	501.6	1656.0	1818.1	6.00	0.00	993589	109295
9/21/22 09:16	0.00	75.83	501.6	1655.4	1818.5	6.00	0.00	993223	109255
9/21/22 09:17	0.00	75.80	502.8	1656.8	1820.3	6.00	0.00	994091	109350
9/21/22 09:18	0.00	75.75	503.0	1655.5	1820.3	6.00	0.00	993315	109265
9/21/22 09:19	0.00	75.83	502.2	1653.5	1819.4	6.00	0.00	992082	109129
9/21/22 09:20	0.00	75.88	502.8	1655.7	1819.6	6.00	0.00	993406	109275
9/21/22 09:21	0.00	75.50	502.2	1655.6	1819.0	6.00	0.00	993361	109270
9/21/22 09:22	0.00	75.49	502.1	1652.9	1819.4	6.00	0.00	991717	109089
9/21/22 09:23	0.00	75.79	503.7	1656.4	1819.7	6.00	0.00	993863	109325
9/21/22 09:24	0.00	75.63	503.9	1653.5	1819.5	6.00	0.00	992081	109129
9/21/22 09:25	0.00	75.88	504.1	1651.8	1819.9	6.00	0.00	991077	109018
9/21/22 09:26	0.00	75.69	504.3	1653.5	1820.1	6.00	0.00	992128	109134
9/21/22 09:27	0.00	75.77	504.8	1655.4	1820.3	6.00	0.00	993224	109255
9/21/22 09:28	0.00	75.81	503.7	1653.6	1819.8	6.00	0.00	992173	109139
9/21/22 09:29	0.00	76.11	504.1	1656.7	1819.8	6.00	0.00	994000	109340
9/21/22 09:30	0.00	75.88	503.5	1653.6	1819.2	6.00	0.00	992173	109139
9/21/22 09:31	0.00	75.97	503.8	1652.3	1819.8	6.00	0.00	991351	109049
9/21/22 09:32	0.00	75.89	503.3	1656.1	1819.7	6.00	0.00	993634	109300
9/21/22 09:33	0.00	75.75	503.7	1654.6	1819.8	6.00	0.00	992767	109204
9/21/22 09:34	0.00	76.05	504.7	1655.8	1822.8	6.00	0.00	993497	109285
9/21/22 09:35	0.00	75.94	505.3	1656.6	1823.6	6.00	0.00	993954	109335
9/21/22 09:36	0.00	75.75	504.5	1656.7	1821.9	6.00	0.00	994045	109345
9/21/22 09:37	0.00	75.89	503.6	1653.0	1820.0	6.00	0.00	991808	109099
9/21/22 09:38	0.00	75.85	503.6	1654.9	1820.9	6.00	0.00	992950	109224
9/21/22 09:39	0.00	75.63	504.4	1654.8	1821.0	6.00	0.00	992904	109219
9/21/22 09:40	0.00	75.71	504.1	1652.9	1821.1	6.00	0.00	991762	109094
9/21/22 09:41	0.00	75.75	504.3	1654.2	1821.9	6.00	0.00	992539	109179
9/21/22 09:42	0.00	75.76	503.3	1654.3	1820.4	6.00	0.00	992584	109184
9/21/22 09:43	0.00	75.40	503.5	1651.0	1821.1	6.00	0.00	990620	108968
9/21/22 09:44	0.00	75.83	504.0	1654.3	1822.8	6.00	0.00	992584	109184
9/21/22 09:45	0.00	75.81	503.5	1653.7	1821.3	6.00	0.00	992219	109144
9/21/22 09:46	0.00	75.79	503.2	1653.0	1820.4	6.00	0.00	991808	109099
9/21/22 09:47	0.00	75.70	504.3	1653.0	1822.6	6.00	0.00	991808	109099
9/21/22 09:48	0.00	75.81	504.9	1653.9	1823.1	6.00	0.00	992310	109154
9/21/22 09:49	0.00	75.83	504.5	1651.6	1822.6	6.00	0.00	990940	109003
9/21/22 09:50	0.00	75.78	503.9	1654.3	1822.1	6.00	0.00	992584	109184
9/21/22 09:51	0.00	76.05	504.9	1655.5	1822.0	6.00	0.00	993315	109265
9/21/22 09:52	0.00	75.77	505.1	1653.5	1823.5	6.00	0.00	992128	109134
9/21/22 09:53	0.00	75.70	504.9	1650.3	1823.3	6.00	0.00	990164	108918
9/21/22 09:54	0.00	75.71	505.8	1655.9	1824.5	6.00	0.00	993543	109290
9/21/22 09:55	0.00	75.84	505.6	1654.2	1823.5	6.00	0.00	992493	109174
9/21/22 09:56	0.00	75.81	505.2	1652.3	1823.3	6.00	0.00	991351	109049
9/21/22 09:57	0.00	75.80	505.3	1654.4	1823.6	6.00	0.00	992630	109189
9/21/22 09:58	0.00	75.58	505.6	1655.0	1823.8	6.00	0.00	992995	109229
9/21/22 09:59	0.00	75.80	504.3	1650.3	1821.9	6.00	0.00	990209	108923
9/21/22 10:00	0.00	76.04	504.7	1653.5	1822.9	6.00	0.00	992082	109129
9/21/22 10:01	0.00	75.76	505.1	1654.2	1823.2	6.00	0.00	992492	109174
9/21/22 10:02	0.00	75.70	504.9	1651.8	1823.2	6.00	0.00	991077	109018
9/21/22 10:03	0.00	75.57	504.9	1654.2	1823.5	6.00	0.00	992493	109174

McI CT2 Process Data
Averaged Data PM-Metal

Date Time	Oil Supply gpm	Load MW	Exhaust Temp deg. C	Gas Flow 10scfm	Turbine Inlet Temp deg F.	Gas On	Oil On	Gas scfh	Total Heat Input MMBtu/hr
9/21/22 10:04	0.00	75.94	505.0	1653.6	1823.6	6.00	0.00	992173	109139
9/21/22 10:05	0.00	75.89	504.9	1651.8	1823.9	6.00	0.00	991077	109018
9/21/22 10:06	0.00	75.83	505.0	1650.6	1823.9	6.00	0.00	990347	108938
9/21/22 10:07	0.00	75.78	504.9	1655.5	1823.5	6.00	0.00	993315	109265
9/21/22 10:08	0.00	75.73	505.2	1651.1	1824.1	6.00	0.00	990666	108973
9/21/22 10:09	0.00	75.79	504.7	1649.9	1823.5	6.00	0.00	989936	108893
9/21/22 10:10	0.00	75.53	504.5	1653.5	1823.4	6.00	0.00	992128	109134
9/21/22 10:11	0.00	75.81	504.5	1653.5	1824.4	6.00	0.00	992082	109129
9/21/22 10:12	0.00	75.70	503.9	1650.0	1822.7	6.00	0.00	990027	108903
9/21/22 10:13	0.00	75.88	505.0	1652.7	1824.8	6.00	0.00	991625	109079
9/21/22 10:14	0.00	75.80	505.3	1652.3	1825.4	6.00	0.00	991397	109054
9/21/22 10:15	0.00	75.66	505.6	1652.3	1826.0	6.00	0.00	991397	109054
9/21/22 10:16	0.00	75.99	505.6	1653.9	1825.7	6.00	0.00	992356	109159
9/21/22 10:17	0.00	75.73	505.7	1652.4	1825.3	6.00	0.00	991442	109059
9/21/22 10:18	0.00	75.46	506.1	1652.8	1825.4	6.00	0.00	991671	109084
9/21/22 10:19	0.00	75.81	506.5	1652.9	1827.3	6.00	0.00	991762	109094
9/21/22 10:20	0.00	76.03	505.9	1654.2	1826.7	6.00	0.00	992493	109174
9/21/22 10:21	0.00	75.86	506.1	1651.6	1826.9	6.00	0.00	990986	109008
9/21/22 10:22	0.00	75.51	506.1	1651.8	1826.7	6.00	0.00	991077	109018
9/21/22 10:23	0.00	75.64	506.8	1653.3	1827.6	6.00	0.00	991990	109119
9/21/22 10:24	0.00	75.86	506.8	1650.5	1827.9	6.00	0.00	990301	108933
9/21/22 10:25	0.00	75.81	506.3	1651.7	1827.3	6.00	0.00	991031	109013
9/21/22 10:26	0.00	75.94	506.5	1653.6	1827.7	6.00	0.00	992173	109139
9/21/22 10:27	0.00	75.77	507.0	1652.3	1828.1	6.00	0.00	991397	109054
9/21/22 10:28	0.00	75.87	506.8	1651.0	1828.1	6.00	0.00	990575	108963
9/21/22 10:29	0.00	75.81	507.1	1652.9	1828.8	6.00	0.00	991762	109094
9/21/22 10:30	0.00	75.73	507.5	1651.7	1829.5	6.00	0.00	991031	109013
9/21/22 10:31	0.00	75.86	507.0	1651.6	1828.2	6.00	0.00	990940	109003
9/21/22 10:32	0.00	75.77	507.5	1652.3	1829.2	6.00	0.00	991397	109054
9/21/22 10:33	0.00	75.79	507.5	1654.2	1829.2	6.00	0.00	992539	109179
9/21/22 10:34	0.00	75.69	508.3	1653.6	1831.3	6.00	0.00	992173	109139
9/21/22 10:35	0.00	75.84	508.9	1651.7	1832.7	6.00	0.00	991031	109013
9/21/22 10:36	0.00	75.82	508.7	1652.9	1832.6	6.00	0.00	991717	109089
9/21/22 10:37	0.00	75.95	507.9	1652.3	1831.0	6.00	0.00	991397	109054
9/21/22 10:38	0.00	75.77	507.7	1651.5	1830.2	6.00	0.00	990895	108998
9/21/22 10:39	0.00	75.95	509.3	1656.1	1832.9	6.00	0.00	993634	109300
9/21/22 10:40	0.00	75.82	510.1	1653.7	1834.3	6.00	0.00	992219	109144
9/21/22 10:41	0.00	75.34	509.9	1650.6	1834.4	6.00	0.00	990347	108938
9/21/22 10:42	0.00	75.73	510.1	1653.6	1835.1	6.00	0.00	992173	109139
9/21/22 10:43	0.00	75.74	510.3	1653.5	1834.8	6.00	0.00	992082	109129
9/21/22 10:44	0.00	76.00	509.3	1651.0	1833.1	6.00	0.00	990575	108963
9/21/22 10:45	0.00	75.95	509.7	1653.6	1834.1	6.00	0.00	992173	109139
9/21/22 10:46	0.00	76.09	508.7	1652.9	1831.9	6.00	0.00	991717	109089
9/21/22 10:47	0.00	75.95	508.5	1651.6	1831.2	6.00	0.00	990940	109003
9/21/22 10:48	0.00	75.87	508.5	1651.0	1831.8	6.00	0.00	990620	108968
9/21/22 10:49	0.00	75.95	508.7	1653.5	1832.8	6.00	0.00	992128	109134
9/21/22 10:50	0.00	75.96	509.7	1652.3	1834.5	6.00	0.00	991351	109049
9/21/22 10:51	0.00	75.62	509.7	1652.5	1833.5	6.00	0.00	991488	109064
9/21/22 10:52	0.00	75.79	510.1	1654.2	1834.9	6.00	0.00	992539	109179
9/21/22 10:53	0.00	76.01	509.7	1654.2	1834.0	6.00	0.00	992539	109179
9/21/22 10:54	0.00	75.52	509.3	1651.0	1832.6	6.00	0.00	990620	108968
9/21/22 10:55	0.00	76.01	509.3	1651.5	1833.1	6.00	0.00	990895	108998
9/21/22 10:56	0.00	75.80	508.7	1652.5	1832.1	6.00	0.00	991488	109064
9/21/22 10:57	0.00	75.74	508.3	1652.4	1830.9	6.00	0.00	991442	109059
9/21/22 10:58	0.00	75.66	508.7	1650.4	1832.3	6.00	0.00	990255	108928
9/21/22 10:59	0.00	75.61	509.3	1654.8	1833.5	6.00	0.00	992858	109214
9/21/22 11:00	0.00	75.96	508.7	1650.3	1832.2	6.00	0.00	990209	108923
9/21/22 11:01	0.00	75.76	510.1	1652.3	1835.3	6.00	0.00	991397	109054
9/21/22 11:02	0.00	76.01	510.7	1656.0	1837.2	6.00	0.00	993589	109295
9/21/22 11:03	0.00	75.70	511.3	1652.4	1837.8	6.00	0.00	991442	109059
9/21/22 11:04	0.00	75.70	510.6	1650.3	1836.3	6.00	0.00	990164	108918
9/21/22 11:05	0.00	75.97	508.7	1650.4	1832.6	6.00	0.00	990255	108928
9/21/22 11:06	0.00	75.79	508.9	1652.2	1832.6	6.00	0.00	991306	109044
9/21/22 11:07	0.00	75.53	508.9	1648.1	1832.9	6.00	0.00	988885	108777
9/21/22 11:08	0.00	75.71	510.6	1652.7	1835.1	6.00	0.00	991625	109079
9/21/22 11:09	0.00	75.93	512.6	1656.7	1838.7	6.00	0.00	994046	109345
9/21/22 11:10	0.00	75.76	512.6	1652.9	1836.6	6.00	0.00	991717	109089
9/21/22 11:11	0.00	75.89	511.7	1652.3	1835.3	6.00	0.00	991397	109054
9/21/22 11:12	0.00	75.89	511.8	1652.9	1836.3	6.00	0.00	991762	109094

McI CT2 Process Data
Averaged Data PM-Metal

Date Time	Oil Supply gpm	Load MW	Exhaust Temp deg. C	Gas Flow 10scfm	Turbine Inlet Temp deg F.	Gas On	Oil On	Gas scfh	Total Heat Input MMBtu/hr
9/21/22 11:13	0.00	75.75	511.0	1651.0	1834.1	6.00	0.00	990620	108968
9/21/22 11:14	0.00	75.97	510.6	1649.7	1833.2	6.00	0.00	989844	108883
9/21/22 11:15	0.00	75.67	511.2	1653.5	1834.4	6.00	0.00	992128	109134
9/21/22 11:16	0.00	75.93	510.9	1651.9	1833.3	6.00	0.00	991123	109023
9/21/22 11:17	0.00	75.70	511.5	1649.8	1835.0	6.00	0.00	989890	108888
9/21/22 11:18	0.00	75.81	512.4	1652.3	1835.9	6.00	0.00	991351	109049
9/21/22 11:19	0.00	75.84	512.2	1651.6	1836.1	6.00	0.00	990986	109008
9/21/22 11:20	0.00	75.63	512.6	1651.8	1837.6	6.00	0.00	991077	109018
9/21/22 11:21	0.00	75.74	512.8	1653.4	1836.9	6.00	0.00	992036	109124
9/21/22 11:22	0.00	76.14	512.9	1654.3	1837.3	6.00	0.00	992584	109184
9/21/22 11:23	0.00	75.66	511.6	1649.7	1834.0	6.00	0.00	989844	108883
9/21/22 11:24	0.00	75.99	511.4	1649.6	1834.6	6.00	0.00	989753	108873
9/21/22 11:25	0.00	75.71	511.8	1654.0	1836.3	6.00	0.00	992401	109164
9/21/22 11:26	0.00	75.85	511.3	1651.1	1834.7	6.00	0.00	990666	108973
9/21/22 11:27	0.00	75.72	512.6	1651.6	1838.6	6.00	0.00	990986	109008
9/21/22 11:28	0.00	75.98	512.6	1652.3	1840.0	6.00	0.00	991351	109049
9/21/22 11:29	0.00	75.79	511.8	1650.4	1836.9	6.00	0.00	990255	108928
9/21/22 11:30	0.00	75.72	510.7	1649.0	1835.2	6.00	0.00	989387	108833
9/21/22 11:31	0.00	76.03	511.5	1651.1	1836.6	6.00	0.00	990666	108973
9/21/22 11:32	0.00	75.90	512.4	1652.9	1839.4	6.00	0.00	991762	109094
9/21/22 11:33	0.00	75.81	512.8	1651.0	1839.7	6.00	0.00	990575	108963
9/21/22 11:34	0.00	75.80	513.2	1652.7	1840.6	6.00	0.00	991625	109079
9/21/22 11:35	0.00	75.95	513.6	1653.5	1840.4	6.00	0.00	992082	109129
9/21/22 11:36	0.00	75.82	513.5	1651.2	1839.4	6.00	0.00	990712	108978
9/21/22 11:37	0.00	75.78	512.6	1648.6	1837.1	6.00	0.00	989159	108808
9/21/22 11:38	0.00	75.85	512.2	1652.6	1836.9	6.00	0.00	991534	109069
9/21/22 11:39	0.00	75.82	512.8	1650.6	1837.5	6.00	0.00	990347	108938
9/21/22 11:40	0.00	75.71	514.1	1651.1	1839.9	6.00	0.00	990666	108973
9/21/22 11:41	0.00	75.74	514.1	1652.7	1840.3	6.00	0.00	991625	109079
9/21/22 11:42	0.00	75.87	512.8	1651.1	1837.2	6.00	0.00	990666	108973
9/21/22 11:43	0.00	75.79	513.2	1652.1	1837.5	6.00	0.00	991260	109039
9/21/22 11:44	0.00	75.88	513.4	1652.3	1838.5	6.00	0.00	991397	109054
9/21/22 11:45	0.00	75.71	512.8	1650.6	1837.9	6.00	0.00	990347	108938
9/21/22 11:46	0.00	75.76	512.0	1649.9	1835.4	6.00	0.00	989936	108893
9/21/22 11:47	0.00	75.88	514.8	1650.4	1838.2	6.00	0.00	990255	108928
9/21/22 11:48	0.00	75.65	514.4	1651.6	1838.2	6.00	0.00	990940	109003
9/21/22 11:49	0.00	75.94	513.4	1651.8	1838.4	6.00	0.00	991077	109018
9/21/22 11:50	0.00	75.54	514.2	1649.2	1839.2	6.00	0.00	989525	108848
9/21/22 11:51	0.00	75.92	513.8	1652.4	1839.8	6.00	0.00	991442	109059
9/21/22 11:52	0.00	75.97	513.4	1654.3	1839.5	6.00	0.00	992584	109184
9/21/22 11:53	0.00	75.67	513.6	1647.8	1838.6	6.00	0.00	988657	108752
9/21/22 11:54	0.00	75.69	514.0	1652.8	1839.7	6.00	0.00	991671	109084
9/21/22 11:55	0.00	75.93	514.1	1650.4	1838.6	6.00	0.00	990255	108928
9/21/22 11:56	0.00	75.76	513.2	1647.4	1836.8	6.00	0.00	988429	108727
9/21/22 11:57	0.00	75.50	514.4	1650.4	1838.4	6.00	0.00	990255	108928
9/21/22 11:58	0.00	75.85	515.3	1652.1	1841.2	6.00	0.00	991260	109039
9/21/22 11:59	0.00	75.81	515.7	1650.3	1841.9	6.00	0.00	990209	108923
9/21/22 12:00	0.00	75.76	515.3	1649.9	1842.4	6.00	0.00	989936	108893
9/21/22 12:01	0.00	75.67	515.9	1652.9	1843.8	6.00	0.00	991717	109089
9/21/22 12:02	0.00	75.93	515.8	1652.3	1842.5	6.00	0.00	991397	109054
9/21/22 12:03	0.00	75.71	515.7	1650.3	1842.9	6.00	0.00	990209	108923
9/21/22 12:04	0.00	75.79	516.1	1652.3	1843.5	6.00	0.00	991397	109054
9/21/22 12:05	0.00	75.68	516.5	1654.7	1844.1	6.00	0.00	992813	109209
9/21/22 12:06	0.00	75.71	516.0	1651.0	1844.1	6.00	0.00	990620	108968
9/21/22 12:07	0.00	75.74	516.7	1652.3	1844.6	6.00	0.00	991351	109049
9/21/22 12:08	0.00	76.00	515.8	1653.0	1842.8	6.00	0.00	991808	109099
9/21/22 12:09	0.00	75.58	516.4	1651.0	1843.9	6.00	0.00	990620	108968
9/21/22 12:10	0.00	75.56	516.9	1652.9	1846.0	6.00	0.00	991762	109094
9/21/22 12:11	0.00	75.88	517.1	1652.9	1844.9	6.00	0.00	991717	109089
9/21/22 12:12	0.00	75.89	515.8	1650.4	1842.6	6.00	0.00	990255	108928
9/21/22 12:13	0.00	75.75	515.8	1649.2	1841.9	6.00	0.00	989525	108848
9/21/22 12:14	0.00	75.98	515.8	1649.3	1842.3	6.00	0.00	989570	108853
9/21/22 12:15	0.00	75.94	514.4	1650.6	1840.8	6.00	0.00	990347	108938
9/21/22 12:16	0.00	75.98	516.1	1649.9	1843.3	6.00	0.00	989936	108893
9/21/22 12:17	0.00	75.76	518.1	1650.5	1846.4	6.00	0.00	990301	108933
9/21/22 12:18	0.00	75.71	517.9	1652.3	1845.7	6.00	0.00	991397	109054
9/21/22 12:19	0.00	75.72	517.9	1651.7	1844.1	6.00	0.00	991031	109013
9/21/22 12:20	0.00	75.72	517.9	1650.0	1844.2	6.00	0.00	990027	108903
9/21/22 12:21	0.00	75.89	518.3	1651.0	1843.8	6.00	0.00	990620	108968

McI CT2 Process Data
Averaged Data PM-Metal

Date Time	Oil Supply gpm	Load MW	Exhaust Temp deg. C	Gas Flow 10scfm	Turbine Inlet Temp deg F.	Gas On	Oil On	Gas scfh	Total Heat Input MMBtu/hr
9/21/22 12:22	0.00	75.94	517.7	1651.7	1843.2	6.00	0.00	991031	109013
9/21/22 12:23	0.00	76.11	518.1	1649.8	1843.9	6.00	0.00	989890	108888
9/21/22 12:24	0.00	76.02	517.1	1650.6	1842.3	6.00	0.00	990347	108938
9/21/22 12:25	0.00	75.76	517.5	1653.0	1843.6	6.00	0.00	991808	109099
9/21/22 12:26	0.00	75.81	516.3	1651.0	1842.2	6.00	0.00	990620	108968
9/21/22 12:27	0.00	75.85	517.1	1649.4	1842.3	6.00	0.00	989616	108858
9/21/22 12:28	0.00	75.83	518.7	1654.2	1845.8	6.00	0.00	992493	109174
9/21/22 12:29	0.00	75.63	517.5	1651.7	1846.0	6.00	0.00	991031	109013
9/21/22 12:30	0.00	75.93	518.1	1651.2	1847.3	6.00	0.00	990712	108978
9/21/22 12:31	0.00	75.69	518.1	1653.1	1847.7	6.00	0.00	991853	109104
9/21/22 12:32	0.00	75.69	517.8	1652.3	1847.7	6.00	0.00	991397	109054
9/21/22 12:33	0.00	75.68	517.0	1651.0	1846.1	6.00	0.00	990620	108968
9/21/22 12:34	0.00	75.79	515.8	1648.0	1842.0	6.00	0.00	988794	108767
9/21/22 12:35	0.00	75.84	515.2	1650.5	1841.6	6.00	0.00	990301	108933
9/21/22 12:36	0.00	75.59	517.3	1648.1	1842.2	6.00	0.00	988840	108772
9/21/22 12:37	0.00	75.98	516.9	1649.8	1844.6	6.00	0.00	989890	108888
9/21/22 12:38	0.00	75.63	516.1	1651.0	1843.1	6.00	0.00	990575	108963
9/21/22 12:39	0.00	76.06	515.9	1649.1	1842.4	6.00	0.00	989479	108843
Run 1 Average	**0.00**	**75.80**	**509.21**	**1652.71**	**1831.30**	**6.00**	**0.00**	**991625.78**	**109078.84**
Run 2 Start - NG									
9/21/22 12:43	0.00	75.59	514.9	1646.8	1841.5	6.00	0.00	988063	108687
9/21/22 12:44	0.00	75.80	514.9	1649.2	1842.3	6.00	0.00	989525	108848
9/21/22 12:45	0.00	76.06	514.7	1650.5	1841.3	6.00	0.00	990301	108933
9/21/22 12:46	0.00	75.76	514.5	1648.9	1841.3	6.00	0.00	989342	108828
9/21/22 12:47	0.00	75.93	514.4	1647.9	1840.7	6.00	0.00	988748	108762
9/21/22 12:48	0.00	75.76	515.5	1650.8	1840.1	6.00	0.00	990484	108953
9/21/22 12:49	0.00	75.62	515.3	1650.5	1841.3	6.00	0.00	990301	108933
9/21/22 12:50	0.00	75.62	516.7	1647.1	1842.6	6.00	0.00	988246	108707
9/21/22 12:51	0.00	75.74	516.1	1650.4	1844.6	6.00	0.00	990255	108928
9/21/22 12:52	0.00	75.98	517.5	1652.3	1846.5	6.00	0.00	991351	109049
9/21/22 12:53	0.00	75.79	518.3	1650.9	1848.0	6.00	0.00	990529	108958
9/21/22 12:54	0.00	75.71	517.7	1649.9	1847.4	6.00	0.00	989936	108893
9/21/22 12:55	0.00	75.97	517.7	1651.0	1847.5	6.00	0.00	990575	108963
9/21/22 12:56	0.00	75.69	516.9	1649.8	1845.7	6.00	0.00	989890	108888
9/21/22 12:57	0.00	75.88	517.1	1649.2	1846.1	6.00	0.00	989525	108848
9/21/22 12:58	0.00	75.89	516.2	1651.0	1843.8	6.00	0.00	990575	108963
9/21/22 12:59	0.00	75.89	515.0	1649.2	1841.1	6.00	0.00	989525	108848
9/21/22 13:00	0.00	75.63	515.3	1648.6	1842.0	6.00	0.00	989159	108808
9/21/22 13:01	0.00	76.02	515.9	1649.7	1843.2	6.00	0.00	989798	108878
9/21/22 13:02	0.00	75.84	515.6	1649.3	1843.0	6.00	0.00	989570	108853
9/21/22 13:03	0.00	75.93	515.5	1647.8	1842.3	6.00	0.00	988703	108757
9/21/22 13:04	0.00	75.71	515.4	1647.9	1842.9	6.00	0.00	988748	108762
9/21/22 13:05	0.00	75.89	515.8	1650.3	1843.7	6.00	0.00	990209	108923
9/21/22 13:06	0.00	75.80	515.6	1648.7	1842.0	6.00	0.00	989205	108813
9/21/22 13:07	0.00	75.72	516.5	1647.9	1844.4	6.00	0.00	988748	108762
9/21/22 13:08	0.00	75.89	515.9	1649.3	1843.2	6.00	0.00	989570	108853
9/21/22 13:09	0.00	76.02	516.9	1652.2	1844.8	6.00	0.00	991306	109044
9/21/22 13:10	0.00	76.20	517.1	1651.0	1845.4	6.00	0.00	990620	108968
9/21/22 13:11	0.00	76.03	517.1	1651.6	1844.8	6.00	0.00	990940	109003
9/21/22 13:12	0.00	75.93	516.3	1650.3	1841.9	6.00	0.00	990209	108923
9/21/22 13:13	0.00	75.68	516.1	1646.8	1842.0	6.00	0.00	988063	108687
9/21/22 13:14	0.00	75.75	516.7	1649.1	1844.7	6.00	0.00	989479	108843
9/21/22 13:15	0.00	76.06	518.1	1653.5	1847.0	6.00	0.00	992128	109134
9/21/22 13:16	0.00	75.56	519.3	1649.0	1847.5	6.00	0.00	989387	108833
9/21/22 13:17	0.00	75.83	518.9	1647.3	1847.1	6.00	0.00	988383	108722
9/21/22 13:18	0.00	75.72	519.9	1650.0	1848.9	6.00	0.00	989981	108898
9/21/22 13:19	0.00	75.97	520.1	1651.0	1850.2	6.00	0.00	990620	108968
9/21/22 13:20	0.00	75.93	521.0	1649.7	1849.8	6.00	0.00	989844	108883
9/21/22 13:21	0.00	75.80	522.0	1650.4	1851.4	6.00	0.00	990255	108928
9/21/22 13:22	0.00	75.92	519.9	1650.4	1848.6	6.00	0.00	990255	108928
9/21/22 13:23	0.00	75.83	518.9	1647.5	1844.9	6.00	0.00	988474	108732
9/21/22 13:24	0.00	75.81	518.5	1648.5	1844.5	6.00	0.00	989114	108803
9/21/22 13:25	0.00	75.93	519.5	1651.0	1847.4	6.00	0.00	990620	108968
9/21/22 13:26	0.00	75.74	519.3	1648.5	1848.0	6.00	0.00	989114	108803
9/21/22 13:27	0.00	75.67	517.9	1647.2	1845.9	6.00	0.00	988292	108712
9/21/22 13:28	0.00	75.87	518.5	1649.2	1847.4	6.00	0.00	989525	108848
9/21/22 13:29	0.00	75.88	519.3	1651.0	1847.3	6.00	0.00	990620	108968
9/21/22 13:30	0.00	75.87	522.0	1648.4	1847.9	6.00	0.00	989022	108792

McI CT2 Process Data
Averaged Data PM-Metal

Date Time	Oil Supply gpm	Load MW	Exhaust Temp deg. C	Gas Flow 10scfm	Turbine Inlet Temp deg F.	Gas On	Oil On	Gas scfh	Total Heat Input MMBtu/hr
9/21/22 13:31	0.00	76.14	522.4	1649.2	1848.9	6.00	0.00	989525	108848
9/21/22 13:32	0.00	76.08	522.0	1651.6	1848.3	6.00	0.00	990986	109008
9/21/22 13:33	0.00	76.09	521.8	1649.9	1848.2	6.00	0.00	989936	108893
9/21/22 13:34	0.00	76.00	521.8	1647.2	1848.2	6.00	0.00	988337	108717
9/21/22 13:35	0.00	75.80	520.2	1647.8	1844.8	6.00	0.00	988703	108757
9/21/22 13:36	0.00	75.86	521.0	1649.4	1846.0	6.00	0.00	989616	108858
9/21/22 13:37	0.00	75.68	521.2	1648.7	1847.6	6.00	0.00	989205	108813
9/21/22 13:38	0.00	75.88	521.8	1649.3	1847.3	6.00	0.00	989570	108853
9/21/22 13:39	0.00	75.76	522.6	1649.8	1847.7	6.00	0.00	989890	108888
9/21/22 13:40	0.00	75.91	521.8	1648.6	1848.1	6.00	0.00	989159	108808
9/21/22 13:41	0.00	75.63	520.9	1648.0	1847.2	6.00	0.00	988794	108767
9/21/22 13:42	0.00	75.66	519.9	1652.3	1848.6	6.00	0.00	991351	109049
9/21/22 13:43	0.00	75.76	521.4	1650.9	1849.5	6.00	0.00	990529	108958
9/21/22 13:44	0.00	75.64	522.0	1648.4	1850.2	6.00	0.00	989022	108792
9/21/22 13:45	0.00	76.08	520.0	1649.1	1849.2	6.00	0.00	989434	108838
9/21/22 13:46	0.00	75.74	520.5	1650.3	1849.9	6.00	0.00	990209	108923
9/21/22 13:47	0.00	75.97	521.2	1648.4	1850.4	6.00	0.00	989022	108792
9/21/22 13:48	0.00	75.71	520.8	1651.0	1851.3	6.00	0.00	990575	108963
9/21/22 13:49	0.00	75.81	520.3	1650.4	1848.6	6.00	0.00	990255	108928
9/21/22 13:50	0.00	75.68	518.7	1646.8	1845.2	6.00	0.00	988109	108692
9/21/22 13:51	0.00	75.81	518.3	1647.4	1844.6	6.00	0.00	988429	108727
9/21/22 13:52	0.00	76.03	517.5	1650.4	1844.3	6.00	0.00	990255	108928
9/21/22 13:53	0.00	75.92	519.1	1650.4	1847.1	6.00	0.00	990255	108928
9/21/22 13:54	0.00	75.71	519.3	1648.5	1848.3	6.00	0.00	989113	108802
9/21/22 13:55	0.00	75.85	519.7	1649.1	1848.2	6.00	0.00	989479	108843
9/21/22 13:56	0.00	75.89	520.1	1650.0	1848.3	6.00	0.00	989981	108898
9/21/22 13:57	0.00	75.65	519.7	1647.4	1848.0	6.00	0.00	988429	108727
9/21/22 13:58	0.00	75.63	520.9	1648.9	1850.1	6.00	0.00	989342	108828
9/21/22 13:59	0.00	75.91	519.9	1648.5	1847.7	6.00	0.00	989114	108803
9/21/22 14:00	0.00	75.68	519.9	1646.7	1847.3	6.00	0.00	988018	108682
9/21/22 14:01	0.00	75.79	519.5	1648.4	1848.5	6.00	0.00	989022	108792
9/21/22 14:02	0.00	75.66	520.2	1649.2	1848.9	6.00	0.00	989525	108848
9/21/22 14:03	0.00	75.93	520.2	1648.0	1846.1	6.00	0.00	988794	108767
9/21/22 14:04	0.00	75.84	520.6	1646.8	1846.9	6.00	0.00	988063	108687
9/21/22 14:05	0.00	75.89	520.5	1646.2	1847.8	6.00	0.00	987698	108647
9/21/22 14:06	0.00	75.88	521.6	1650.6	1849.2	6.00	0.00	990347	108938
9/21/22 14:07	0.00	75.75	520.2	1647.4	1847.0	6.00	0.00	988429	108727
9/21/22 14:08	0.00	75.92	520.4	1649.1	1847.1	6.00	0.00	989479	108843
9/21/22 14:09	0.00	75.74	520.2	1650.5	1845.4	6.00	0.00	990301	108933
9/21/22 14:10	0.00	75.85	519.9	1647.8	1844.8	6.00	0.00	988703	108757
9/21/22 14:11	0.00	75.94	519.7	1646.0	1845.5	6.00	0.00	987607	108637
9/21/22 14:12	0.00	75.98	520.6	1650.9	1846.7	6.00	0.00	990529	108958
9/21/22 14:13	0.00	75.89	520.4	1648.7	1846.1	6.00	0.00	989205	108813
9/21/22 14:14	0.00	75.53	519.7	1645.4	1846.2	6.00	0.00	987241	108597
9/21/22 14:15	0.00	75.66	522.2	1651.1	1848.2	6.00	0.00	990666	108973
9/21/22 14:16	0.00	75.80	520.8	1649.3	1847.8	6.00	0.00	989570	108853
9/21/22 14:17	0.00	75.52	521.1	1649.1	1848.9	6.00	0.00	989479	108843
9/21/22 14:18	0.00	75.74	519.8	1649.9	1847.9	6.00	0.00	989935	108893
9/21/22 14:19	0.00	75.87	519.7	1650.4	1848.5	6.00	0.00	990255	108928
9/21/22 14:20	0.00	75.93	520.4	1649.2	1848.9	6.00	0.00	989525	108848
9/21/22 14:21	0.00	75.82	521.2	1647.9	1849.9	6.00	0.00	988748	108762
9/21/22 14:22	0.00	76.01	521.2	1649.9	1849.6	6.00	0.00	989936	108893
9/21/22 14:23	0.00	75.75	520.8	1647.4	1848.5	6.00	0.00	988429	108727
9/21/22 14:24	0.00	75.91	522.0	1648.5	1850.8	6.00	0.00	989114	108803
9/21/22 14:25	0.00	75.77	521.4	1649.4	1851.2	6.00	0.00	989616	108858
9/21/22 14:26	0.00	75.71	521.0	1648.7	1849.8	6.00	0.00	989205	108813
9/21/22 14:27	0.00	75.85	520.6	1648.6	1850.9	6.00	0.00	989159	108808
9/21/22 14:28	0.00	75.89	519.9	1646.8	1848.6	6.00	0.00	988063	108687
9/21/22 14:29	0.00	75.90	519.5	1650.4	1847.7	6.00	0.00	990255	108928
9/21/22 14:30	0.00	75.94	520.9	1649.1	1849.1	6.00	0.00	989479	108843
9/21/22 14:31	0.00	75.54	520.4	1648.1	1849.6	6.00	0.00	988885	108777
9/21/22 14:32	0.00	75.89	522.0	1649.2	1849.8	6.00	0.00	989525	108848
9/21/22 14:33	0.00	75.76	521.4	1650.3	1851.4	6.00	0.00	990164	108918
9/21/22 14:34	0.00	75.70	522.8	1649.3	1851.1	6.00	0.00	989570	108853
9/21/22 14:35	0.00	75.93	523.4	1649.2	1851.1	6.00	0.00	989525	108848
9/21/22 14:36	0.00	75.88	522.2	1649.9	1851.1	6.00	0.00	989936	108893
9/21/22 14:37	0.00	75.75	521.4	1647.8	1849.9	6.00	0.00	988703	108757
9/21/22 14:38	0.00	75.83	521.2	1648.6	1849.5	6.00	0.00	989159	108808
9/21/22 14:39	0.00	75.65	520.6	1649.3	1849.7	6.00	0.00	989570	108853

McI CT2 Process Data
Averaged Data PM-Metal

Date Time	Oil Supply gpm	Load MW	Exhaust Temp deg. C	Gas Flow 10scfm	Turbine Inlet Temp deg F.	Gas On	Oil On	Gas scfh	Total Heat Input MMBtu/hr
9/21/22 14:40	0.00	75.73	521.0	1649.8	1849.9	6.00	0.00	989890	108888
9/21/22 14:41	0.00	75.70	520.8	1647.0	1849.1	6.00	0.00	988200	108702
9/21/22 14:42	0.00	75.84	521.2	1650.0	1849.2	6.00	0.00	989981	108898
9/21/22 14:43	0.00	75.93	521.7	1649.3	1849.3	6.00	0.00	989570	108853
9/21/22 14:44	0.00	75.85	520.8	1649.4	1849.5	6.00	0.00	989616	108858
9/21/22 14:45	0.00	75.92	522.4	1650.5	1851.8	6.00	0.00	990301	108933
9/21/22 14:46	0.00	75.67	521.4	1650.3	1850.1	6.00	0.00	990209	108923
9/21/22 14:47	0.00	75.95	522.4	1647.3	1849.4	6.00	0.00	988383	108722
9/21/22 14:48	0.00	75.78	522.0	1646.8	1850.9	6.00	0.00	988109	108692
9/21/22 14:49	0.00	75.88	522.4	1649.7	1851.0	6.00	0.00	989844	108883
9/21/22 14:50	0.00	75.85	521.4	1648.2	1851.5	6.00	0.00	988931	108782
9/21/22 14:51	0.00	75.67	521.2	1645.6	1848.3	6.00	0.00	987333	108607
9/21/22 14:52	0.00	75.93	519.0	1648.1	1847.1	6.00	0.00	988840	108772
9/21/22 14:53	0.00	75.84	520.6	1649.9	1848.0	6.00	0.00	989936	108893
9/21/22 14:54	0.00	75.92	520.6	1647.4	1848.2	6.00	0.00	988429	108727
9/21/22 14:55	0.00	75.80	519.5	1646.2	1847.1	6.00	0.00	987743	108652
9/21/22 14:56	0.00	75.93	520.6	1648.6	1847.1	6.00	0.00	989159	108808
9/21/22 14:57	0.00	76.10	519.9	1646.8	1844.8	6.00	0.00	988063	108687
9/21/22 14:58	0.00	75.97	519.9	1646.1	1845.6	6.00	0.00	987652	108642
9/21/22 14:59	0.00	75.83	521.0	1650.2	1846.7	6.00	0.00	990118	108913
9/21/22 15:00	0.00	75.79	521.8	1649.2	1848.6	6.00	0.00	989525	108848
9/21/22 15:01	0.00	76.04	521.0	1645.3	1847.0	6.00	0.00	987196	108592
9/21/22 15:02	0.00	76.17	520.2	1647.8	1846.9	6.00	0.00	988703	108757
9/21/22 15:03	0.00	75.69	520.6	1649.0	1846.8	6.00	0.00	989387	108833
9/21/22 15:04	0.00	75.67	518.9	1645.4	1844.8	6.00	0.00	987241	108597
9/21/22 15:05	0.00	75.57	521.6	1646.2	1848.0	6.00	0.00	987743	108652
9/21/22 15:06	0.00	75.79	522.0	1650.0	1850.4	6.00	0.00	989981	108898
9/21/22 15:07	0.00	76.04	521.2	1647.4	1849.5	6.00	0.00	988429	108727
9/21/22 15:08	0.00	75.77	522.4	1646.7	1850.1	6.00	0.00	988018	108682
9/21/22 15:09	0.00	75.94	522.0	1649.5	1850.5	6.00	0.00	989707	108868
9/21/22 15:10	0.00	75.88	522.4	1646.7	1850.1	6.00	0.00	988018	108682
9/21/22 15:11	0.00	75.85	520.6	1647.4	1850.2	6.00	0.00	988429	108727
9/21/22 15:12	0.00	75.89	522.0	1648.9	1850.5	6.00	0.00	989342	108828
9/21/22 15:13	0.00	75.91	522.4	1649.0	1850.8	6.00	0.00	989387	108833
9/21/22 15:14	0.00	75.75	521.2	1646.1	1850.5	6.00	0.00	987652	108642
9/21/22 15:15	0.00	76.02	521.0	1646.6	1850.4	6.00	0.00	987972	108677
9/21/22 15:16	0.00	75.76	521.2	1650.0	1851.1	6.00	0.00	989981	108898
9/21/22 15:17	0.00	75.79	519.7	1647.2	1848.3	6.00	0.00	988337	108717
9/21/22 15:18	0.00	75.79	520.2	1646.8	1848.6	6.00	0.00	988063	108687
9/21/22 15:19	0.00	75.80	520.6	1647.2	1850.1	6.00	0.00	988337	108717
9/21/22 15:20	0.00	75.86	522.2	1649.1	1850.8	6.00	0.00	989479	108843
9/21/22 15:21	0.00	75.57	522.2	1646.8	1850.7	6.00	0.00	988063	108687
9/21/22 15:22	0.00	75.76	522.3	1648.1	1849.9	6.00	0.00	988840	108772
9/21/22 15:23	0.00	75.88	522.0	1647.8	1850.3	6.00	0.00	988703	108757
9/21/22 15:24	0.00	75.79	521.1	1646.1	1850.5	6.00	0.00	987652	108642
9/21/22 15:25	0.00	75.71	521.6	1646.7	1850.8	6.00	0.00	988018	108682
9/21/22 15:26	0.00	75.86	522.0	1649.4	1851.8	6.00	0.00	989662	108863
9/21/22 15:27	0.00	75.42	520.6	1646.8	1849.3	6.00	0.00	988109	108692
9/21/22 15:28	0.00	75.65	522.0	1647.4	1850.7	6.00	0.00	988429	108727
9/21/22 15:29	0.00	75.47	521.4	1647.2	1850.1	6.00	0.00	988337	108717
9/21/22 15:30	0.00	75.75	520.6	1646.7	1847.5	6.00	0.00	988018	108682
9/21/22 15:31	0.00	75.77	520.2	1644.8	1848.0	6.00	0.00	986876	108556
9/21/22 15:32	0.00	75.63	519.9	1647.2	1848.6	6.00	0.00	988291	108712
9/21/22 15:33	0.00	75.51	519.0	1648.2	1846.6	6.00	0.00	988931	108782
9/21/22 15:34	0.00	75.68	518.1	1646.4	1844.8	6.00	0.00	987835	108662
9/21/22 15:35	0.00	75.80	518.3	1644.5	1845.1	6.00	0.00	986693	108536
9/21/22 15:36	0.00	75.86	518.9	1647.2	1847.7	6.00	0.00	988337	108717
9/21/22 15:37	0.00	75.47	519.7	1646.0	1848.9	6.00	0.00	987607	108637
9/21/22 15:38	0.00	75.65	519.1	1646.6	1847.7	6.00	0.00	987972	108677
9/21/22 15:39	0.00	75.73	519.7	1646.2	1847.6	6.00	0.00	987743	108652
9/21/22 15:40	0.00	75.94	519.1	1646.2	1846.6	6.00	0.00	987698	108647
9/21/22 15:41	0.00	75.55	518.9	1646.2	1847.3	6.00	0.00	987743	108652
9/21/22 15:42	0.00	75.69	518.6	1646.8	1847.6	6.00	0.00	988109	108692
9/21/22 15:43	0.00	75.56	518.5	1646.8	1845.6	6.00	0.00	988109	108692
9/21/22 15:44	0.00	75.65	518.5	1645.5	1846.4	6.00	0.00	987287	108602
9/21/22 15:45	0.00	76.04	517.9	1644.3	1845.3	6.00	0.00	986557	108521
9/21/22 15:46	0.00	76.09	518.1	1648.5	1846.1	6.00	0.00	989114	108803
9/21/22 15:47	0.00	75.78	519.3	1646.2	1847.4	6.00	0.00	987744	108652
9/21/22 15:48	0.00	75.79	518.5	1644.9	1847.4	6.00	0.00	986968	108566

McI CT2 Process Data
Averaged Data PM-Metal

Date Time	Oil Supply gpm	Load MW	Exhaust Temp deg. C	Gas Flow 10scfm	Turbine Inlet Temp deg F.	Gas On	Oil On	Gas scfh	Total Heat Input MMBtu/hr
9/21/22 15:49	0.00	75.95	519.5	1648.1	1849.1	6.00	0.00	988840	108772
9/21/22 15:50	0.00	75.67	519.3	1646.9	1848.6	6.00	0.00	988154	108697
9/21/22 15:51	0.00	75.83	520.6	1646.6	1848.9	6.00	0.00	987972	108677
9/21/22 15:52	0.00	75.95	520.8	1647.8	1849.9	6.00	0.00	988703	108757
9/21/22 15:53	0.00	76.00	519.5	1646.8	1847.8	6.00	0.00	988109	108692
9/21/22 15:54	0.00	75.70	520.4	1644.9	1847.8	6.00	0.00	986921	108561
9/21/22 15:55	0.00	75.91	520.6	1647.7	1848.6	6.00	0.00	988611	108747
9/21/22 15:56	0.00	75.81	519.9	1649.1	1847.4	6.00	0.00	989434	108838
9/21/22 15:57	0.00	75.81	520.2	1647.3	1846.9	6.00	0.00	988383	108722
9/21/22 15:58	0.00	75.78	519.5	1645.5	1846.4	6.00	0.00	987287	108602
9/21/22 15:59	0.00	75.92	519.1	1648.6	1847.4	6.00	0.00	989159	108808
9/21/22 16:00	0.00	75.59	519.3	1647.0	1846.1	6.00	0.00	988200	108702
9/21/22 16:01	0.00	75.51	518.5	1644.7	1846.2	6.00	0.00	986830	108551
9/21/22 16:02	0.00	75.92	518.8	1646.2	1846.9	6.00	0.00	987743	108652
9/21/22 16:03	0.00	76.09	517.9	1646.8	1845.1	6.00	0.00	988063	108687
9/21/22 16:04	0.00	75.87	517.2	1644.5	1843.9	6.00	0.00	986693	108536
9/21/22 16:05	0.00	76.04	518.7	1645.5	1845.8	6.00	0.00	987287	108602
9/21/22 16:06	0.00	75.95	518.1	1649.1	1846.0	6.00	0.00	989433	108838
9/21/22 16:07	0.00	75.65	518.7	1646.0	1845.6	6.00	0.00	987607	108637
9/21/22 16:08	0.00	75.57	519.1	1645.5	1846.0	6.00	0.00	987287	108602
9/21/22 16:09	0.00	75.95	517.9	1648.1	1845.0	6.00	0.00	988840	108772
9/21/22 16:10	0.00	75.80	517.5	1646.8	1843.3	6.00	0.00	988063	108687
9/21/22 16:11	0.00	75.88	517.8	1644.7	1844.3	6.00	0.00	986830	108551
9/21/22 16:12	0.00	75.67	518.1	1646.8	1846.0	6.00	0.00	988109	108692
9/21/22 16:13	0.00	75.65	517.5	1646.1	1843.3	6.00	0.00	987652	108642
9/21/22 16:14	0.00	75.68	517.9	1646.7	1844.2	6.00	0.00	988018	108682
9/21/22 16:15	0.00	75.82	519.7	1646.7	1845.3	6.00	0.00	988018	108682
9/21/22 16:16	0.00	75.77	518.5	1648.6	1844.5	6.00	0.00	989159	108808
9/21/22 16:17	0.00	75.94	517.9	1645.5	1843.3	6.00	0.00	987287	108602
9/21/22 16:18	0.00	75.91	517.9	1645.7	1843.8	6.00	0.00	987424	108617
9/21/22 16:19	0.00	75.87	517.3	1647.9	1843.6	6.00	0.00	988748	108762
9/21/22 16:20	0.00	75.91	516.9	1646.8	1842.8	6.00	0.00	988109	108692
9/21/22 16:21	0.00	75.78	516.7	1644.2	1842.9	6.00	0.00	986510	108516
9/21/22 16:22	0.00	75.96	516.7	1648.6	1842.6	6.00	0.00	989159	108808
9/21/22 16:23	0.00	75.65	516.7	1647.5	1843.1	6.00	0.00	988474	108732
9/21/22 16:24	0.00	75.68	516.1	1643.9	1842.3	6.00	0.00	986328	108496
9/21/22 16:25	0.00	76.07	516.3	1647.2	1842.7	6.00	0.00	988337	108717
9/21/22 16:26	0.00	75.86	516.5	1647.5	1843.0	6.00	0.00	988520	108737
9/21/22 16:27	0.00	75.95	516.7	1645.5	1843.2	6.00	0.00	987287	108602
9/21/22 16:28	0.00	75.83	516.3	1647.4	1842.3	6.00	0.00	988429	108727
9/21/22 16:29	0.00	75.82	515.8	1646.5	1841.9	6.00	0.00	987881	108667
9/21/22 16:30	0.00	75.70	516.1	1646.3	1842.5	6.00	0.00	987789	108657
Run 2 Average	**0.00**	**75.82**	**519.48**	**1648.20**	**1847.11**	**6.00**	**0.00**	**988919.09**	**108781.10**
Run 3 Start - NG									
9/22/22 07:56	0.00	75.76	498.3	1647.7	1806.9	6.00	0.00	988611	108747
9/22/22 07:57	0.00	75.75	498.1	1651.6	1806.5	6.00	0.00	990986	109008
9/22/22 07:58	0.00	75.93	497.9	1649.9	1806.5	6.00	0.00	989936	108893
9/22/22 07:59	0.00	75.81	498.1	1650.3	1807.3	6.00	0.00	990209	108923
9/22/22 08:00	0.00	75.81	498.1	1649.8	1806.5	6.00	0.00	989890	108888
9/22/22 08:01	0.00	75.88	498.1	1648.8	1807.1	6.00	0.00	989251	108818
9/22/22 08:02	0.00	76.02	498.1	1649.7	1807.5	6.00	0.00	989845	108883
9/22/22 08:03	0.00	75.89	498.5	1650.4	1807.1	6.00	0.00	990255	108928
9/22/22 08:04	0.00	75.55	498.9	1648.6	1808.4	6.00	0.00	989159	108808
9/22/22 08:05	0.00	75.98	499.2	1651.3	1808.2	6.00	0.00	990757	108983
9/22/22 08:06	0.00	75.70	498.7	1649.1	1807.5	6.00	0.00	989479	108843
9/22/22 08:07	0.00	75.77	499.1	1649.7	1809.1	6.00	0.00	989844	108883
9/22/22 08:08	0.00	75.81	498.9	1651.2	1809.3	6.00	0.00	990712	108978
9/22/22 08:09	0.00	75.76	498.7	1647.2	1808.5	6.00	0.00	988292	108712
9/22/22 08:10	0.00	75.89	499.5	1649.8	1810.0	6.00	0.00	989890	108888
9/22/22 08:11	0.00	75.85	499.9	1651.0	1809.4	6.00	0.00	990575	108963
9/22/22 08:12	0.00	75.95	499.3	1647.4	1810.2	6.00	0.00	988429	108727
9/22/22 08:13	0.00	75.73	499.9	1650.5	1810.6	6.00	0.00	990301	108933
9/22/22 08:14	0.00	75.68	499.3	1647.1	1809.9	6.00	0.00	988246	108707
9/22/22 08:15	0.00	75.91	500.5	1648.7	1811.6	6.00	0.00	989205	108813
9/22/22 08:16	0.00	75.68	499.7	1649.4	1810.1	6.00	0.00	989616	108858
9/22/22 08:17	0.00	75.68	499.7	1647.2	1810.5	6.00	0.00	988337	108717
9/22/22 08:18	0.00	75.64	499.9	1648.1	1810.3	6.00	0.00	988840	108772
9/22/22 08:19	0.00	75.64	499.7	1650.5	1810.4	6.00	0.00	990301	108933

McI CT2 Process Data
Averaged Data PM-Metal

Date Time	Oil Supply gpm	Load MW	Exhaust Temp deg. C	Gas Flow 10scfm	Turbine Inlet Temp deg F.	Gas On	Oil On	Gas scfh	Total Heat Input MMBtu/hr
9/22/22 08:20	0.00	75.69	499.5	1647.1	1810.2	6.00	0.00	988246	108707
9/22/22 08:21	0.00	76.12	499.7	1651.3	1811.0	6.00	0.00	990758	108983
9/22/22 08:22	0.00	75.65	500.1	1649.2	1810.9	6.00	0.00	989525	108848
9/22/22 08:23	0.00	75.91	500.1	1647.7	1811.5	6.00	0.00	988611	108747
9/22/22 08:24	0.00	75.98	500.3	1649.8	1811.6	6.00	0.00	989890	108888
9/22/22 08:25	0.00	75.94	499.7	1647.4	1810.6	6.00	0.00	988429	108727
9/22/22 08:26	0.00	75.90	499.9	1646.8	1811.2	6.00	0.00	988063	108687
9/22/22 08:27	0.00	75.80	500.3	1651.3	1811.2	6.00	0.00	990758	108983
9/22/22 08:28	0.00	75.83	500.3	1646.8	1811.7	6.00	0.00	988063	108687
9/22/22 08:29	0.00	75.87	501.1	1648.4	1812.8	6.00	0.00	989068	108797
9/22/22 08:30	0.00	75.68	500.5	1646.7	1811.5	6.00	0.00	988018	108682
9/22/22 08:31	0.00	76.00	500.5	1646.1	1811.9	6.00	0.00	987652	108642
9/22/22 08:32	0.00	75.95	500.9	1650.5	1813.2	6.00	0.00	990301	108933
9/22/22 08:33	0.00	75.86	501.4	1648.7	1813.5	6.00	0.00	989205	108813
9/22/22 08:34	0.00	75.73	501.3	1646.8	1813.7	6.00	0.00	988063	108687
9/22/22 08:35	0.00	75.94	501.8	1648.0	1814.3	6.00	0.00	988794	108767
9/22/22 08:36	0.00	75.59	501.5	1645.3	1813.5	6.00	0.00	987196	108592
9/22/22 08:37	0.00	75.52	501.5	1649.3	1814.4	6.00	0.00	989570	108853
9/22/22 08:38	0.00	75.77	501.5	1649.9	1814.1	6.00	0.00	989936	108893
9/22/22 08:39	0.00	75.59	501.6	1646.5	1814.4	6.00	0.00	987926	108672
9/22/22 08:40	0.00	75.81	501.8	1649.3	1814.5	6.00	0.00	989570	108853
9/22/22 08:41	0.00	75.64	501.8	1647.8	1814.8	6.00	0.00	988703	108757
9/22/22 08:42	0.00	75.64	501.7	1647.3	1814.4	6.00	0.00	988383	108722
9/22/22 08:43	0.00	76.16	502.4	1649.2	1815.8	6.00	0.00	989525	108848
9/22/22 08:44	0.00	75.76	502.2	1649.2	1815.4	6.00	0.00	989525	108848
9/22/22 08:45	0.00	76.08	502.0	1646.6	1815.3	6.00	0.00	987972	108677
9/22/22 08:46	0.00	75.79	502.8	1649.4	1816.1	6.00	0.00	989616	108858
9/22/22 08:47	0.00	75.81	502.2	1646.7	1815.4	6.00	0.00	988018	108682
9/22/22 08:48	0.00	75.85	502.4	1648.1	1816.6	6.00	0.00	988840	108772
9/22/22 08:49	0.00	75.89	503.0	1650.4	1817.4	6.00	0.00	990255	108928
9/22/22 08:50	0.00	75.76	502.8	1646.2	1816.8	6.00	0.00	987744	108652
9/22/22 08:51	0.00	75.75	502.6	1648.6	1816.6	6.00	0.00	989159	108808
9/22/22 08:52	0.00	75.77	502.6	1648.8	1816.8	6.00	0.00	989251	108818
9/22/22 08:53	0.00	75.68	503.2	1646.7	1817.5	6.00	0.00	988018	108682
9/22/22 08:54	0.00	75.91	503.0	1650.0	1817.7	6.00	0.00	989981	108898
9/22/22 08:55	0.00	76.03	502.8	1649.8	1817.0	6.00	0.00	989890	108888
9/22/22 08:56	0.00	75.90	503.6	1647.4	1818.7	6.00	0.00	988429	108727
9/22/22 08:57	0.00	75.90	503.2	1648.4	1817.9	6.00	0.00	989068	108798
9/22/22 08:58	0.00	75.73	503.5	1648.1	1817.9	6.00	0.00	988840	108772
9/22/22 08:59	0.00	75.90	503.4	1647.2	1818.7	6.00	0.00	988337	108717
9/22/22 09:00	0.00	75.64	503.7	1648.7	1818.9	6.00	0.00	989205	108813
9/22/22 09:01	0.00	75.90	503.9	1645.9	1819.2	6.00	0.00	987561	108632
9/22/22 09:02	0.00	75.77	504.1	1646.7	1820.3	6.00	0.00	988018	108682
9/22/22 09:03	0.00	75.77	504.2	1650.7	1819.4	6.00	0.00	990392	108943
9/22/22 09:04	0.00	76.08	503.9	1646.2	1819.7	6.00	0.00	987698	108647
9/22/22 09:05	0.00	76.08	504.5	1647.5	1821.1	6.00	0.00	988474	108732
9/22/22 09:06	0.00	75.73	503.9	1648.7	1819.2	6.00	0.00	989205	108813
9/22/22 09:07	0.00	75.77	503.7	1645.5	1818.9	6.00	0.00	987287	108602
9/22/22 09:08	0.00	75.79	504.7	1648.8	1821.3	6.00	0.00	989251	108818
9/22/22 09:09	0.00	75.65	504.7	1649.4	1821.4	6.00	0.00	989616	108858
9/22/22 09:10	0.00	75.73	504.5	1646.2	1820.0	6.00	0.00	987698	108647
9/22/22 09:11	0.00	75.82	504.9	1648.8	1821.7	6.00	0.00	989251	108818
9/22/22 09:12	0.00	75.74	505.1	1647.3	1821.6	6.00	0.00	988383	108722
9/22/22 09:13	0.00	76.04	504.9	1646.6	1821.5	6.00	0.00	987972	108677
9/22/22 09:14	0.00	76.05	505.1	1648.8	1822.3	6.00	0.00	989251	108818
9/22/22 09:15	0.00	75.80	504.7	1647.7	1821.6	6.00	0.00	988612	108747
9/22/22 09:16	0.00	75.67	505.1	1647.8	1822.4	6.00	0.00	988702	108757
9/22/22 09:17	0.00	75.70	505.7	1649.8	1822.9	6.00	0.00	989890	108888
9/22/22 09:18	0.00	75.64	505.1	1647.2	1821.3	6.00	0.00	988337	108717
9/22/22 09:19	0.00	75.79	505.5	1645.5	1823.2	6.00	0.00	987287	108602
9/22/22 09:20	0.00	75.91	506.2	1649.8	1823.9	6.00	0.00	989890	108888
9/22/22 09:21	0.00	75.71	505.1	1645.1	1821.6	6.00	0.00	987059	108576
9/22/22 09:22	0.00	75.59	506.2	1647.7	1823.7	6.00	0.00	988612	108747
9/22/22 09:23	0.00	75.80	506.3	1649.2	1824.4	6.00	0.00	989525	108848
9/22/22 09:24	0.00	75.85	505.7	1645.9	1822.8	6.00	0.00	987561	108632
9/22/22 09:25	0.00	75.88	506.1	1646.7	1824.2	6.00	0.00	988018	108682
9/22/22 09:26	0.00	75.78	506.3	1647.9	1823.8	6.00	0.00	988748	108762
9/22/22 09:27	0.00	75.73	506.9	1646.0	1825.4	6.00	0.00	987607	108637
9/22/22 09:28	0.00	75.92	506.5	1646.1	1824.5	6.00	0.00	987652	108642

McI CT2 Process Data
Averaged Data PM-Metal

Date Time	Oil Supply gpm	Load MW	Exhaust Temp deg. C	Gas Flow 10scfm	Turbine Inlet Temp deg F.	Gas On	Oil On	Gas scfh	Total Heat Input MMBtu/hr
9/22/22 09:29	0.00	75.76	506.3	1648.6	1824.0	6.00	0.00	989159	108808
9/22/22 09:30	0.00	75.73	506.9	1646.6	1825.3	6.00	0.00	987972	108677
9/22/22 09:31	0.00	75.91	507.1	1648.0	1825.5	6.00	0.00	988794	108767
9/22/22 09:32	0.00	75.83	506.3	1647.4	1824.5	6.00	0.00	988429	108727
9/22/22 09:33	0.00	75.78	507.1	1646.2	1825.1	6.00	0.00	987698	108647
9/22/22 09:34	0.00	75.70	506.9	1647.9	1825.4	6.00	0.00	988748	108762
9/22/22 09:35	0.00	75.82	506.7	1647.9	1824.9	6.00	0.00	988748	108762
9/22/22 09:36	0.00	75.85	506.9	1646.2	1825.9	6.00	0.00	987744	108652
9/22/22 09:37	0.00	75.79	506.9	1647.3	1825.7	6.00	0.00	988383	108722
9/22/22 09:38	0.00	75.99	506.7	1647.5	1825.4	6.00	0.00	988474	108732
9/22/22 09:39	0.00	76.04	506.5	1645.0	1825.1	6.00	0.00	987013	108571
9/22/22 09:40	0.00	75.74	506.7	1646.9	1826.0	6.00	0.00	988154	108697
9/22/22 09:41	0.00	75.97	507.3	1647.5	1826.0	6.00	0.00	988474	108732
9/22/22 09:42	0.00	75.61	507.1	1646.2	1825.6	6.00	0.00	987698	108647
9/22/22 09:43	0.00	75.75	506.7	1645.6	1825.6	6.00	0.00	987379	108612
9/22/22 09:44	0.00	75.97	506.5	1648.7	1824.9	6.00	0.00	989205	108813
9/22/22 09:45	0.00	75.82	506.9	1645.4	1825.6	6.00	0.00	987241	108597
9/22/22 09:46	0.00	75.80	506.9	1647.5	1825.7	6.00	0.00	988520	108737
9/22/22 09:47	0.00	75.70	506.5	1646.6	1824.9	6.00	0.00	987972	108677
9/22/22 09:48	0.00	75.84	506.5	1645.4	1825.4	6.00	0.00	987241	108597
9/22/22 09:49	0.00	76.11	506.5	1646.4	1825.8	6.00	0.00	987835	108662
9/22/22 09:50	0.00	75.93	507.4	1647.5	1826.5	6.00	0.00	988474	108732
9/22/22 09:51	0.00	75.88	507.1	1645.4	1826.4	6.00	0.00	987241	108597
9/22/22 09:52	0.00	75.88	507.7	1647.3	1827.6	6.00	0.00	988383	108722
9/22/22 09:53	0.00	76.06	507.4	1647.4	1826.2	6.00	0.00	988429	108727
9/22/22 09:54	0.00	75.71	506.9	1645.0	1826.0	6.00	0.00	987013	108571
9/22/22 09:55	0.00	76.01	507.8	1647.4	1828.1	6.00	0.00	988429	108727
9/22/22 09:56	0.00	75.85	507.7	1648.1	1827.8	6.00	0.00	988840	108772
9/22/22 09:57	0.00	75.84	507.5	1644.8	1827.2	6.00	0.00	986876	108556
9/22/22 09:58	0.00	76.04	507.5	1645.6	1827.5	6.00	0.00	987332	108607
9/22/22 09:59	0.00	75.93	507.5	1647.9	1826.8	6.00	0.00	988748	108762
9/22/22 10:00	0.00	75.87	507.1	1646.8	1826.3	6.00	0.00	988109	108692
9/22/22 10:01	0.00	75.79	507.5	1646.2	1827.2	6.00	0.00	987698	108647
9/22/22 10:02	0.00	75.85	507.9	1649.1	1828.4	6.00	0.00	989479	108843
9/22/22 10:03	0.00	75.98	507.3	1644.9	1827.7	6.00	0.00	986968	108566
9/22/22 10:04	0.00	75.85	507.9	1645.4	1827.6	6.00	0.00	987241	108597
9/22/22 10:05	0.00	75.93	507.7	1647.5	1827.6	6.00	0.00	988474	108732
9/22/22 10:06	0.00	75.94	508.1	1644.7	1828.2	6.00	0.00	986830	108551
9/22/22 10:07	0.00	75.67	508.7	1646.0	1830.1	6.00	0.00	987607	108637
9/22/22 10:08	0.00	75.98	508.7	1647.8	1830.0	6.00	0.00	988657	108752
9/22/22 10:09	0.00	76.15	508.9	1646.8	1829.8	6.00	0.00	988063	108687
9/22/22 10:10	0.00	75.89	508.9	1646.0	1829.7	6.00	0.00	987607	108637
9/22/22 10:11	0.00	76.06	508.5	1648.0	1829.3	6.00	0.00	988794	108767
9/22/22 10:12	0.00	75.71	508.5	1644.3	1829.3	6.00	0.00	986557	108521
9/22/22 10:13	0.00	75.85	509.0	1646.1	1830.8	6.00	0.00	987652	108642
9/22/22 10:14	0.00	75.72	508.1	1646.8	1828.5	6.00	0.00	988109	108692
9/22/22 10:15	0.00	75.98	507.9	1643.5	1827.6	6.00	0.00	986100	108471
9/22/22 10:16	0.00	75.89	509.3	1648.6	1831.4	6.00	0.00	989159	108808
9/22/22 10:17	0.00	76.07	509.7	1646.8	1831.7	6.00	0.00	988109	108692
9/22/22 10:18	0.00	75.89	509.3	1646.2	1831.0	6.00	0.00	987698	108647
9/22/22 10:19	0.00	75.89	509.5	1646.2	1830.9	6.00	0.00	987698	108647
9/22/22 10:20	0.00	75.99	509.3	1649.1	1830.7	6.00	0.00	989479	108843
9/22/22 10:21	0.00	75.94	509.3	1646.7	1830.9	6.00	0.00	988018	108682
9/22/22 10:22	0.00	75.65	509.1	1646.2	1830.9	6.00	0.00	987698	108647
9/22/22 10:23	0.00	76.03	509.1	1647.9	1830.6	6.00	0.00	988748	108762
9/22/22 10:24	0.00	75.85	508.5	1647.4	1830.0	6.00	0.00	988429	108727
9/22/22 10:25	0.00	76.15	509.5	1645.3	1831.3	6.00	0.00	987196	108592
9/22/22 10:26	0.00	76.15	509.9	1647.9	1832.5	6.00	0.00	988748	108762
9/22/22 10:27	0.00	75.80	509.7	1646.6	1831.6	6.00	0.00	987972	108677
9/22/22 10:28	0.00	75.94	509.7	1646.7	1831.4	6.00	0.00	988018	108682
9/22/22 10:29	0.00	75.71	509.1	1646.8	1830.6	6.00	0.00	988063	108687
9/22/22 10:30	0.00	75.67	508.9	1646.8	1829.1	6.00	0.00	988109	108692
9/22/22 10:31	0.00	75.50	509.1	1644.9	1830.0	6.00	0.00	986922	108561
9/22/22 10:32	0.00	75.85	508.9	1647.1	1830.7	6.00	0.00	988246	108707
9/22/22 10:33	0.00	75.89	509.1	1646.8	1830.9	6.00	0.00	988109	108692
9/22/22 10:34	0.00	75.89	509.5	1646.2	1831.8	6.00	0.00	987698	108647
9/22/22 10:35	0.00	75.98	510.3	1647.7	1832.3	6.00	0.00	988611	108747
9/22/22 10:36	0.00	76.03	509.7	1647.9	1831.2	6.00	0.00	988748	108762
9/22/22 10:37	0.00	75.94	509.9	1644.7	1832.3	6.00	0.00	986830	108551

McI CT2 Process Data
Averaged Data PM-Metal

Date Time	Oil Supply gpm	Load MW	Exhaust Temp deg. C	Gas Flow 10scfm	Turbine Inlet Temp deg F.	Gas On	Oil On	Gas scfh	Total Heat Input MMBtu/hr
9/22/22 10:38	0.00	75.81	510.5	1647.2	1833.2	6.00	0.00	988337	108717
9/22/22 10:39	0.00	75.94	510.3	1647.2	1833.1	6.00	0.00	988337	108717
9/22/22 10:40	0.00	75.89	509.9	1645.4	1832.3	6.00	0.00	987241	108597
9/22/22 10:41	0.00	75.89	510.1	1646.0	1833.2	6.00	0.00	987607	108637
9/22/22 10:42	0.00	75.71	509.9	1648.5	1832.3	6.00	0.00	989114	108803
9/22/22 10:43	0.00	75.67	510.5	1644.9	1832.9	6.00	0.00	986967	108566
9/22/22 10:44	0.00	75.76	510.7	1647.5	1834.1	6.00	0.00	988474	108732
9/22/22 10:45	0.00	75.81	512.2	1648.9	1836.9	6.00	0.00	989342	108828
9/22/22 10:46	0.00	75.98	511.3	1646.9	1834.9	6.00	0.00	988154	108697
9/22/22 10:47	0.00	76.09	510.9	1644.8	1834.5	6.00	0.00	986876	108556
9/22/22 10:48	0.00	75.75	511.3	1648.0	1835.0	6.00	0.00	988794	108767
9/22/22 10:49	0.00	75.86	512.0	1645.6	1836.0	6.00	0.00	987332	108607
9/22/22 10:50	0.00	75.71	510.9	1645.6	1834.2	6.00	0.00	987332	108607
9/22/22 10:51	0.00	76.20	511.8	1649.8	1836.3	6.00	0.00	989890	108888
9/22/22 10:52	0.00	75.94	511.3	1646.1	1835.4	6.00	0.00	987652	108642
9/22/22 10:53	0.00	75.76	511.5	1645.6	1835.0	6.00	0.00	987333	108607
9/22/22 10:54	0.00	75.76	512.6	1649.7	1838.1	6.00	0.00	989844	108883
9/22/22 10:55	0.00	75.81	511.5	1644.9	1835.1	6.00	0.00	986967	108566
9/22/22 10:56	0.00	75.99	511.8	1644.2	1836.5	6.00	0.00	986510	108516
9/22/22 10:57	0.00	75.72	511.6	1647.6	1836.0	6.00	0.00	988565	108742
9/22/22 10:58	0.00	75.68	511.5	1644.9	1835.4	6.00	0.00	986967	108566
9/22/22 10:59	0.00	75.84	511.2	1645.2	1835.6	6.00	0.00	987104	108581
9/22/22 11:00	0.00	76.05	511.4	1648.6	1835.5	6.00	0.00	989159	108808
9/22/22 11:01	0.00	75.82	511.5	1645.9	1835.6	6.00	0.00	987515	108627
9/22/22 11:02	0.00	76.00	512.0	1645.0	1836.7	6.00	0.00	987013	108571
9/22/22 11:03	0.00	75.88	511.4	1647.8	1834.9	6.00	0.00	988657	108752
9/22/22 11:04	0.00	76.10	511.8	1646.2	1835.7	6.00	0.00	987698	108647
9/22/22 11:05	0.00	75.69	512.4	1646.6	1837.3	6.00	0.00	987972	108677
9/22/22 11:06	0.00	75.87	512.8	1648.7	1837.8	6.00	0.00	989205	108813
9/22/22 11:07	0.00	75.75	512.4	1646.7	1837.5	6.00	0.00	988018	108682
9/22/22 11:08	0.00	75.86	512.8	1644.9	1838.0	6.00	0.00	986922	108561
9/22/22 11:09	0.00	75.96	513.6	1649.8	1840.7	6.00	0.00	989890	108888
9/22/22 11:10	0.00	75.80	514.3	1647.2	1841.0	6.00	0.00	988337	108717
9/22/22 11:11	0.00	75.85	512.6	1646.8	1837.5	6.00	0.00	988109	108692
9/22/22 11:12	0.00	76.05	512.0	1647.8	1837.0	6.00	0.00	988657	108752
9/22/22 11:13	0.00	76.02	513.6	1648.7	1840.1	6.00	0.00	989205	108813
9/22/22 11:14	0.00	75.78	514.0	1644.9	1841.0	6.00	0.00	986968	108566
9/22/22 11:15	0.00	76.04	512.9	1647.9	1838.2	6.00	0.00	988748	108762
9/22/22 11:16	0.00	75.89	512.8	1647.8	1838.3	6.00	0.00	988703	108757
9/22/22 11:17	0.00	76.06	513.6	1646.2	1840.0	6.00	0.00	987744	108652
9/22/22 11:18	0.00	76.01	513.8	1649.1	1840.4	6.00	0.00	989479	108843
9/22/22 11:19	0.00	75.90	513.0	1646.8	1838.5	6.00	0.00	988109	108692
9/22/22 11:20	0.00	75.76	512.6	1645.6	1838.3	6.00	0.00	987333	108607
9/22/22 11:21	0.00	76.02	513.0	1647.9	1838.5	6.00	0.00	988748	108762
Run 3 Average	**0.00**	**75.85**	**506.16**	**1647.45**	**1824.12**	**6.00**	**0.00**	**988469.64**	**108731.66**
Run 4 Start - NG									
9/22/22 11:30	0.00	75.70	513.7	1647.5	1840.6	6.00	0.00	988520	108737
9/22/22 11:31	0.00	75.78	513.9	1647.3	1841.0	6.00	0.00	988383	108722
9/22/22 11:32	0.00	75.91	513.6	1643.7	1840.1	6.00	0.00	986237	108486
9/22/22 11:33	0.00	76.03	514.3	1647.3	1841.7	6.00	0.00	988383	108722
9/22/22 11:34	0.00	75.68	513.2	1646.8	1839.4	6.00	0.00	988109	108692
9/22/22 11:35	0.00	76.03	512.8	1644.9	1838.1	6.00	0.00	986967	108566
9/22/22 11:36	0.00	75.85	513.7	1645.5	1840.0	6.00	0.00	987287	108602
9/22/22 11:37	0.00	75.98	514.7	1648.1	1842.5	6.00	0.00	988840	108772
9/22/22 11:38	0.00	75.89	514.6	1645.6	1842.6	6.00	0.00	987378	108612
9/22/22 11:39	0.00	75.98	514.8	1645.4	1842.6	6.00	0.00	987241	108597
9/22/22 11:40	0.00	75.89	514.9	1650.0	1842.8	6.00	0.00	990027	108903
9/22/22 11:41	0.00	76.20	515.4	1647.3	1843.2	6.00	0.00	988383	108722
9/22/22 11:42	0.00	75.80	514.3	1644.9	1841.1	6.00	0.00	986922	108561
9/22/22 11:43	0.00	75.80	514.2	1646.8	1841.0	6.00	0.00	988109	108692
9/22/22 11:44	0.00	75.63	514.4	1645.5	1841.7	6.00	0.00	987287	108602
9/22/22 11:45	0.00	75.88	514.6	1646.1	1841.9	6.00	0.00	987652	108642
9/22/22 11:46	0.00	75.66	514.3	1647.9	1841.2	6.00	0.00	988748	108762
9/22/22 11:47	0.00	75.80	514.4	1645.5	1841.1	6.00	0.00	987287	108602
9/22/22 11:48	0.00	75.85	514.9	1646.2	1843.0	6.00	0.00	987698	108647
9/22/22 11:49	0.00	75.97	515.5	1648.0	1844.1	6.00	0.00	988794	108767
9/22/22 11:50	0.00	75.86	514.6	1646.1	1842.1	6.00	0.00	987652	108642
9/22/22 11:51	0.00	75.70	514.6	1645.4	1841.7	6.00	0.00	987241	108597

McI CT2 Process Data
Averaged Data PM-Metal

Date Time	Oil Supply gpm	Load MW	Exhaust Temp deg. C	Gas Flow 10scfm	Turbine Inlet Temp deg F.	Gas On	Oil On	Gas scfh	Total Heat Input MMBtu/hr
9/22/22 11:52	0.00	75.89	515.0	1648.0	1843.2	6.00	0.00	988794	108767
9/22/22 11:53	0.00	75.80	514.9	1645.6	1843.0	6.00	0.00	987333	108607
9/22/22 11:54	0.00	76.04	516.3	1645.6	1846.0	6.00	0.00	987332	108607
9/22/22 11:55	0.00	75.87	516.3	1648.0	1845.4	6.00	0.00	988794	108767
9/22/22 11:56	0.00	75.71	515.0	1647.9	1842.6	6.00	0.00	988748	108762
9/22/22 11:57	0.00	75.97	514.6	1643.7	1842.5	6.00	0.00	986191	108481
9/22/22 11:58	0.00	76.03	515.8	1648.7	1844.3	6.00	0.00	989205	108813
9/22/22 11:59	0.00	76.13	515.6	1647.3	1844.0	6.00	0.00	988383	108722
9/22/22 12:00	0.00	76.01	515.1	1645.4	1843.3	6.00	0.00	987241	108597
9/22/22 12:01	0.00	75.88	514.7	1645.5	1843.8	6.00	0.00	987287	108602
9/22/22 12:02	0.00	75.88	515.6	1648.0	1844.4	6.00	0.00	988794	108767
9/22/22 12:03	0.00	75.48	515.8	1644.4	1844.9	6.00	0.00	986648	108531
9/22/22 12:04	0.00	76.02	517.2	1649.3	1848.0	6.00	0.00	989570	108853
9/22/22 12:05	0.00	75.66	516.8	1648.7	1846.4	6.00	0.00	989205	108813
9/22/22 12:06	0.00	75.83	517.1	1644.8	1847.6	6.00	0.00	986876	108556
9/22/22 12:07	0.00	75.87	517.1	1646.8	1847.3	6.00	0.00	988063	108687
9/22/22 12:08	0.00	75.67	516.7	1648.0	1848.2	6.00	0.00	988794	108767
9/22/22 12:09	0.00	75.70	517.3	1646.0	1847.9	6.00	0.00	987607	108637
9/22/22 12:10	0.00	75.88	516.7	1647.3	1846.6	6.00	0.00	988383	108722
9/22/22 12:11	0.00	75.75	516.3	1646.6	1846.1	6.00	0.00	987972	108677
9/22/22 12:12	0.00	75.75	516.3	1645.6	1846.0	6.00	0.00	987378	108612
9/22/22 12:13	0.00	76.00	517.1	1646.5	1847.4	6.00	0.00	987880	108667
9/22/22 12:14	0.00	75.97	515.7	1645.9	1844.7	6.00	0.00	987515	108627
9/22/22 12:15	0.00	75.71	515.7	1645.4	1844.8	6.00	0.00	987241	108597
9/22/22 12:16	0.00	75.72	516.9	1646.7	1847.1	6.00	0.00	988018	108682
9/22/22 12:17	0.00	75.89	516.9	1648.4	1847.3	6.00	0.00	989068	108797
9/22/22 12:18	0.00	75.82	516.7	1643.7	1845.8	6.00	0.00	986237	108486
9/22/22 12:19	0.00	76.07	517.1	1645.5	1847.3	6.00	0.00	987287	108602
9/22/22 12:20	0.00	75.63	517.9	1647.9	1848.8	6.00	0.00	988748	108762
9/22/22 12:21	0.00	75.73	517.9	1645.6	1848.2	6.00	0.00	987332	108607
9/22/22 12:22	0.00	75.63	517.3	1646.2	1848.0	6.00	0.00	987698	108647
9/22/22 12:23	0.00	75.78	517.7	1647.9	1848.5	6.00	0.00	988748	108762
9/22/22 12:24	0.00	76.04	517.3	1646.8	1847.6	6.00	0.00	988063	108687
9/22/22 12:25	0.00	75.86	517.1	1644.9	1846.9	6.00	0.00	986922	108561
9/22/22 12:26	0.00	76.09	518.1	1646.8	1848.7	6.00	0.00	988063	108687
9/22/22 12:27	0.00	75.95	516.9	1645.5	1846.0	6.00	0.00	987287	108602
9/22/22 12:28	0.00	75.81	517.3	1645.5	1847.1	6.00	0.00	987287	108602
9/22/22 12:29	0.00	75.86	517.3	1646.7	1847.6	6.00	0.00	988018	108682
9/22/22 12:30	0.00	75.73	516.8	1648.0	1846.0	6.00	0.00	988794	108767
9/22/22 12:31	0.00	75.81	516.4	1644.3	1845.2	6.00	0.00	986602	108526
9/22/22 12:32	0.00	75.86	516.9	1646.5	1847.0	6.00	0.00	987926	108672
9/22/22 12:33	0.00	75.94	517.7	1647.2	1847.6	6.00	0.00	988337	108717
9/22/22 12:34	0.00	75.94	516.9	1645.5	1846.2	6.00	0.00	987287	108602
9/22/22 12:35	0.00	76.21	516.7	1644.9	1846.5	6.00	0.00	986921	108561
9/22/22 12:36	0.00	75.86	516.9	1646.7	1846.7	6.00	0.00	988018	108682
9/22/22 12:37	0.00	75.81	517.3	1646.7	1847.4	6.00	0.00	988018	108682
9/22/22 12:38	0.00	75.94	517.3	1645.6	1847.7	6.00	0.00	987333	108607
9/22/22 12:39	0.00	76.05	517.5	1648.8	1848.0	6.00	0.00	989296	108823
9/22/22 12:40	0.00	75.86	517.3	1644.9	1847.7	6.00	0.00	986921	108561
9/22/22 12:41	0.00	76.10	517.1	1643.7	1847.9	6.00	0.00	986237	108486
9/22/22 12:42	0.00	75.86	517.7	1646.2	1848.6	6.00	0.00	987698	108647
9/22/22 12:43	0.00	75.59	517.9	1645.5	1848.6	6.00	0.00	987287	108602
9/22/22 12:44	0.00	75.77	517.7	1644.3	1848.9	6.00	0.00	986602	108526
9/22/22 12:45	0.00	76.12	517.5	1647.6	1847.7	6.00	0.00	988565	108742
9/22/22 12:46	0.00	75.94	517.9	1645.6	1848.3	6.00	0.00	987378	108612
9/22/22 12:47	0.00	75.60	517.5	1644.7	1848.3	6.00	0.00	986830	108551
9/22/22 12:48	0.00	75.85	519.1	1648.8	1851.1	6.00	0.00	989251	108818
9/22/22 12:49	0.00	75.95	518.9	1646.1	1851.0	6.00	0.00	987652	108642
9/22/22 12:50	0.00	75.60	518.9	1645.9	1850.9	6.00	0.00	987515	108627
9/22/22 12:51	0.00	76.02	519.3	1648.7	1852.1	6.00	0.00	989205	108813
9/22/22 12:52	0.00	75.86	519.3	1648.1	1851.1	6.00	0.00	988840	108772
9/22/22 12:53	0.00	75.93	519.3	1645.2	1851.4	6.00	0.00	987104	108581
9/22/22 12:54	0.00	75.97	518.9	1646.2	1850.2	6.00	0.00	987698	108647
9/22/22 12:55	0.00	76.16	518.1	1647.1	1849.5	6.00	0.00	988246	108707
9/22/22 12:56	0.00	75.94	519.1	1644.9	1851.1	6.00	0.00	986922	108561
9/22/22 12:57	0.00	76.10	518.3	1646.1	1849.8	6.00	0.00	987652	108642
9/22/22 12:58	0.00	75.87	518.2	1646.7	1849.8	6.00	0.00	988018	108682
9/22/22 12:59	0.00	75.85	519.5	1645.9	1852.0	6.00	0.00	987561	108632
9/22/22 13:00	0.00	76.08	520.0	1647.2	1853.9	6.00	0.00	988337	108717

McI CT2 Process Data
Averaged Data PM-Metal

Date Time	Oil Supply gpm	Load MW	Exhaust Temp deg. C	Gas Flow 10scfm	Turbine Inlet Temp deg F.	Gas On	Oil On	Gas scfh	Total Heat Input MMBtu/hr
9/22/22 13:01	0.00	75.99	519.8	1647.4	1852.1	6.00	0.00	988429	108727
9/22/22 13:02	0.00	75.75	519.1	1646.2	1850.5	6.00	0.00	987743	108652
9/22/22 13:03	0.00	75.99	519.3	1647.9	1852.6	6.00	0.00	988748	108762
9/22/22 13:04	0.00	75.79	519.5	1648.0	1852.1	6.00	0.00	988794	108767
9/22/22 13:05	0.00	75.57	519.1	1646.0	1851.2	6.00	0.00	987607	108637
9/22/22 13:06	0.00	75.76	518.9	1644.9	1850.2	6.00	0.00	986922	108561
9/22/22 13:07	0.00	76.09	519.0	1648.5	1850.7	6.00	0.00	989114	108803
9/22/22 13:08	0.00	75.76	518.5	1644.3	1850.2	6.00	0.00	986602	108526
9/22/22 13:09	0.00	75.82	518.7	1645.6	1850.2	6.00	0.00	987333	108607
9/22/22 13:10	0.00	75.85	519.1	1648.0	1851.2	6.00	0.00	988794	108767
9/22/22 13:11	0.00	75.63	519.1	1647.9	1851.2	6.00	0.00	988748	108762
9/22/22 13:12	0.00	75.68	520.0	1646.8	1853.9	6.00	0.00	988063	108687
9/22/22 13:13	0.00	75.73	519.1	1645.5	1850.7	6.00	0.00	987287	108602
9/22/22 13:14	0.00	75.77	518.1	1646.7	1849.1	6.00	0.00	988018	108682
9/22/22 13:15	0.00	75.89	518.7	1645.5	1850.4	6.00	0.00	987287	108602
9/22/22 13:16	0.00	75.73	519.3	1650.5	1851.4	6.00	0.00	990301	108933
9/22/22 13:17	0.00	76.03	520.1	1650.5	1852.6	6.00	0.00	990301	108933
9/22/22 13:18	0.00	75.73	519.7	1647.6	1851.9	6.00	0.00	988565	108742
9/22/22 13:19	0.00	75.89	519.4	1648.7	1851.2	6.00	0.00	989205	108813
9/22/22 13:20	0.00	75.76	518.4	1648.7	1850.1	6.00	0.00	989205	108813
9/22/22 13:21	0.00	75.88	518.7	1647.8	1850.7	6.00	0.00	988703	108757
9/22/22 13:22	0.00	75.81	519.3	1649.2	1852.1	6.00	0.00	989525	108848
9/22/22 13:23	0.00	75.86	519.5	1651.6	1852.3	6.00	0.00	990986	109008
9/22/22 13:24	0.00	76.03	519.5	1648.1	1851.9	6.00	0.00	988885	108777
9/22/22 13:25	0.00	75.57	520.1	1648.8	1853.5	6.00	0.00	989296	108823
9/22/22 13:26	0.00	75.83	519.5	1650.5	1852.1	6.00	0.00	990301	108933
9/22/22 13:27	0.00	75.86	520.0	1649.3	1852.7	6.00	0.00	989570	108853
9/22/22 13:28	0.00	75.69	520.3	1649.4	1853.6	6.00	0.00	989616	108858
9/22/22 13:29	0.00	75.54	521.2	1650.5	1855.5	6.00	0.00	990301	108933
9/22/22 13:30	0.00	75.90	520.8	1649.1	1853.8	6.00	0.00	989433	108838
9/22/22 13:31	0.00	75.98	520.4	1648.6	1854.7	6.00	0.00	989159	108808
9/22/22 13:32	0.00	75.99	521.9	1654.4	1857.1	6.00	0.00	992630	109189
9/22/22 13:33	0.00	76.02	521.2	1649.7	1855.5	6.00	0.00	989798	108878
9/22/22 13:34	0.00	75.73	520.0	1646.5	1852.5	6.00	0.00	987926	108672
9/22/22 13:35	0.00	75.81	519.7	1651.0	1852.4	6.00	0.00	990620	108968
9/22/22 13:36	0.00	75.86	520.2	1648.5	1853.3	6.00	0.00	989114	108803
9/22/22 13:37	0.00	75.90	520.0	1647.6	1853.0	6.00	0.00	988565	108742
9/22/22 13:38	0.00	75.59	519.7	1649.8	1852.9	6.00	0.00	989890	108888
9/22/22 13:39	0.00	75.86	519.3	1649.8	1851.3	6.00	0.00	989890	108888
9/22/22 13:40	0.00	75.81	518.9	1647.9	1850.7	6.00	0.00	988748	108762
9/22/22 13:41	0.00	75.90	518.5	1649.0	1850.7	6.00	0.00	989387	108833
9/22/22 13:42	0.00	75.76	519.1	1650.5	1851.4	6.00	0.00	990301	108933
9/22/22 13:43	0.00	75.86	518.3	1646.1	1849.9	6.00	0.00	987652	108642
9/22/22 13:44	0.00	75.81	519.3	1650.0	1852.1	6.00	0.00	989981	108898
9/22/22 13:45	0.00	75.80	519.1	1649.4	1851.4	6.00	0.00	989662	108863
9/22/22 13:46	0.00	75.99	520.5	1647.8	1854.7	6.00	0.00	988657	108752
9/22/22 13:47	0.00	75.90	520.6	1649.1	1854.8	6.00	0.00	989479	108843
9/22/22 13:48	0.00	75.68	520.2	1650.2	1853.8	6.00	0.00	990118	108913
9/22/22 13:49	0.00	75.77	520.2	1648.9	1853.2	6.00	0.00	989342	108828
9/22/22 13:50	0.00	75.98	521.0	1650.5	1855.8	6.00	0.00	990301	108933
9/22/22 13:51	0.00	75.78	521.8	1652.3	1857.0	6.00	0.00	991351	109049
9/22/22 13:52	0.00	75.58	521.8	1649.3	1856.5	6.00	0.00	989570	108853
9/22/22 13:53	0.00	76.00	520.8	1649.1	1855.1	6.00	0.00	989479	108843
9/22/22 13:54	0.00	75.68	519.9	1650.3	1853.5	6.00	0.00	990209	108923
9/22/22 13:55	0.00	75.69	519.7	1647.2	1852.4	6.00	0.00	988337	108717
9/22/22 13:56	0.00	75.86	519.5	1649.1	1852.8	6.00	0.00	989434	108838
9/22/22 13:57	0.00	75.99	519.9	1649.4	1853.0	6.00	0.00	989616	108858
9/22/22 13:58	0.00	75.86	520.2	1648.6	1853.2	6.00	0.00	989159	108808
9/22/22 13:59	0.00	76.07	520.1	1648.6	1854.5	6.00	0.00	989159	108808
9/22/22 14:00	0.00	75.72	520.6	1650.4	1854.3	6.00	0.00	990255	108928
9/22/22 14:01	0.00	75.89	519.9	1650.4	1853.2	6.00	0.00	990255	108928
9/22/22 14:02	0.00	75.68	519.7	1648.8	1852.6	6.00	0.00	989296	108823
9/22/22 14:03	0.00	75.98	519.8	1649.9	1852.8	6.00	0.00	989936	108893
9/22/22 14:04	0.00	75.90	519.5	1649.2	1852.3	6.00	0.00	989525	108848
9/22/22 14:05	0.00	75.90	520.1	1647.4	1853.3	6.00	0.00	988429	108727
9/22/22 14:06	0.00	75.80	519.9	1649.1	1853.2	6.00	0.00	989434	108838
9/22/22 14:07	0.00	75.80	519.3	1648.6	1852.0	6.00	0.00	989159	108808
9/22/22 14:08	0.00	75.68	520.4	1647.9	1854.4	6.00	0.00	988748	108762
9/22/22 14:09	0.00	75.89	521.0	1650.3	1855.7	6.00	0.00	990209	108923

McI CT2 Process Data
Averaged Data PM-Metal

Date Time	Oil Supply gpm	Load MW	Exhaust Temp deg. C	Gas Flow 10scfm	Turbine Inlet Temp deg F.	Gas On	Oil On	Gas scfh	Total Heat Input MMBtu/hr
9/22/22 14:10	0.00	75.94	520.4	1649.7	1853.9	6.00	0.00	989844	108883
9/22/22 14:11	0.00	75.86	520.4	1647.4	1854.8	6.00	0.00	988429	108727
9/22/22 14:12	0.00	75.62	520.2	1648.7	1853.7	6.00	0.00	989205	108813
9/22/22 14:13	0.00	75.93	520.4	1649.8	1854.8	6.00	0.00	989890	108888
9/22/22 14:14	0.00	75.99	520.2	1646.8	1853.5	6.00	0.00	988063	108687
9/22/22 14:15	0.00	75.77	521.0	1650.5	1855.7	6.00	0.00	990301	108933
9/22/22 14:16	0.00	75.86	521.0	1649.1	1855.4	6.00	0.00	989479	108843
9/22/22 14:17	0.00	75.80	521.0	1648.7	1855.2	6.00	0.00	989205	108813
9/22/22 14:18	0.00	75.81	521.1	1649.2	1855.7	6.00	0.00	989525	108848
9/22/22 14:19	0.00	75.68	520.8	1650.5	1854.8	6.00	0.00	990301	108933
9/22/22 14:20	0.00	75.73	520.8	1647.9	1854.9	6.00	0.00	988748	108762
9/22/22 14:21	0.00	75.77	520.4	1647.3	1853.9	6.00	0.00	988383	108722
9/22/22 14:22	0.00	75.81	523.2	1653.0	1859.9	6.00	0.00	991808	109099
9/22/22 14:23	0.00	75.68	521.0	1648.0	1854.6	6.00	0.00	988794	108767
9/22/22 14:24	0.00	75.55	521.6	1649.7	1857.4	6.00	0.00	989844	108883
9/22/22 14:25	0.00	75.81	523.0	1652.3	1859.9	6.00	0.00	991351	109049
9/22/22 14:26	0.00	75.68	522.8	1651.5	1858.3	6.00	0.00	990895	108998
9/22/22 14:27	0.00	75.86	522.2	1649.9	1857.7	6.00	0.00	989935	108893
9/22/22 14:28	0.00	75.94	521.4	1650.4	1855.8	6.00	0.00	990255	108928
9/22/22 14:29	0.00	75.81	520.8	1648.6	1854.5	6.00	0.00	989159	108808
9/22/22 14:30	0.00	75.76	520.1	1648.4	1853.7	6.00	0.00	989022	108792
9/22/22 14:31	0.00	75.90	520.2	1649.3	1854.7	6.00	0.00	989570	108853
9/22/22 14:32	0.00	75.59	520.8	1649.6	1854.9	6.00	0.00	989753	108873
9/22/22 14:33	0.00	75.61	520.8	1648.7	1855.2	6.00	0.00	989205	108813
9/22/22 14:34	0.00	75.98	521.2	1651.1	1855.4	6.00	0.00	990666	108973
9/22/22 14:35	0.00	75.75	520.8	1649.3	1854.6	6.00	0.00	989570	108853
9/22/22 14:36	0.00	75.97	520.4	1648.5	1854.5	6.00	0.00	989114	108803
9/22/22 14:37	0.00	75.93	520.9	1650.5	1855.2	6.00	0.00	990301	108933
9/22/22 14:38	0.00	75.86	521.2	1650.3	1855.4	6.00	0.00	990209	108923
9/22/22 14:39	0.00	75.78	521.4	1649.8	1856.8	6.00	0.00	989890	108888
9/22/22 14:40	0.00	75.92	521.6	1650.3	1856.8	6.00	0.00	990164	108918
9/22/22 14:41	0.00	75.77	522.1	1650.5	1857.6	6.00	0.00	990301	108933
9/22/22 14:42	0.00	75.63	522.8	1649.1	1859.2	6.00	0.00	989479	108843
9/22/22 14:43	0.00	75.85	523.1	1650.9	1859.2	6.00	0.00	990529	108958
9/22/22 14:44	0.00	75.48	522.4	1650.9	1857.6	6.00	0.00	990529	108958
9/22/22 14:45	0.00	75.76	521.0	1650.0	1855.6	6.00	0.00	989981	108898
9/22/22 14:46	0.00	76.02	521.9	1649.3	1857.1	6.00	0.00	989570	108853
9/22/22 14:47	0.00	75.91	521.2	1651.0	1855.9	6.00	0.00	990620	108968
9/22/22 14:48	0.00	75.69	521.0	1648.5	1855.1	6.00	0.00	989113	108802
9/22/22 14:49	0.00	75.75	520.6	1648.5	1854.9	6.00	0.00	989114	108803
9/22/22 14:50	0.00	75.89	521.8	1651.6	1857.1	6.00	0.00	990986	109008
9/22/22 14:51	0.00	75.87	521.0	1650.3	1855.1	6.00	0.00	990209	108923
9/22/22 14:52	0.00	75.80	520.9	1648.5	1855.2	6.00	0.00	989114	108803
9/22/22 14:53	0.00	75.82	521.6	1651.6	1856.7	6.00	0.00	990940	109003
9/22/22 14:54	0.00	75.95	520.8	1649.2	1855.7	6.00	0.00	989525	108848
9/22/22 14:55	0.00	75.76	521.4	1649.6	1856.3	6.00	0.00	989753	108873
9/22/22 14:56	0.00	75.78	521.6	1649.9	1857.0	6.00	0.00	989936	108893
9/22/22 14:57	0.00	75.85	521.2	1648.8	1855.8	6.00	0.00	989251	108818
9/22/22 14:58	0.00	75.95	521.6	1649.1	1856.8	6.00	0.00	989433	108838
9/22/22 14:59	0.00	75.96	522.0	1652.1	1858.2	6.00	0.00	991259	109039
9/22/22 15:00	0.00	76.14	522.0	1650.1	1857.7	6.00	0.00	990073	108908
9/22/22 15:01	0.00	75.60	521.8	1648.0	1856.7	6.00	0.00	988794	108767
9/22/22 15:02	0.00	75.68	522.6	1650.5	1859.1	6.00	0.00	990301	108933
9/22/22 15:03	0.00	75.95	522.0	1650.6	1856.5	6.00	0.00	990347	108938
9/22/22 15:04	0.00	75.62	522.2	1649.4	1857.8	6.00	0.00	989616	108858
9/22/22 15:05	0.00	75.95	521.8	1650.6	1857.4	6.00	0.00	990347	108938
9/22/22 15:06	0.00	75.95	523.4	1652.3	1860.4	6.00	0.00	991351	109049
9/22/22 15:07	0.00	75.87	523.6	1649.4	1860.8	6.00	0.00	989615	108858
9/22/22 15:08	0.00	75.82	524.5	1650.3	1862.1	6.00	0.00	990209	108923
9/22/22 15:09	0.00	75.91	522.8	1651.0	1858.6	6.00	0.00	990620	108968
9/22/22 15:10	0.00	75.69	522.6	1646.0	1858.8	6.00	0.00	987607	108637
9/22/22 15:11	0.00	75.83	522.3	1649.1	1857.9	6.00	0.00	989479	108843
9/22/22 15:12	0.00	75.92	522.2	1651.0	1857.6	6.00	0.00	990620	108968
9/22/22 15:13	0.00	75.74	521.8	1648.6	1857.3	6.00	0.00	989159	108808
9/22/22 15:14	0.00	75.71	522.6	1651.8	1859.0	6.00	0.00	991077	109018
9/22/22 15:15	0.00	75.92	522.4	1651.6	1858.6	6.00	0.00	990986	109008
9/22/22 15:16	0.00	75.77	522.6	1649.8	1858.5	6.00	0.00	989890	108888
9/22/22 15:17	0.00	76.01	522.1	1650.4	1858.1	6.00	0.00	990255	108928
9/22/22 15:18	0.00	75.85	523.0	1651.8	1859.9	6.00	0.00	991077	109018

McI CT2 Process Data
Averaged Data PM-Metal

Date Time	Oil Supply gpm	Load MW	Exhaust Temp deg. C	Gas Flow 10scfm	Turbine Inlet Temp deg F.	Gas On	Oil On	Gas scfh	Total Heat Input MMBtu/hr
9/22/22 15:19	0.00	75.93	523.0	1650.2	1859.5	6.00	0.00	990118	108913
9/22/22 15:20	0.00	75.66	522.6	1646.8	1858.1	6.00	0.00	988063	108687
9/22/22 15:21	0.00	75.73	522.2	1651.3	1857.7	6.00	0.00	990803	108988
9/22/22 15:22	0.00	75.75	522.0	1648.0	1856.8	6.00	0.00	988794	108767
9/22/22 15:23	0.00	75.87	521.8	1650.2	1857.4	6.00	0.00	990118	108913
9/22/22 15:24	0.00	75.99	522.2	1650.5	1858.8	6.00	0.00	990301	108933
Run 4 Average	**0.00**	**75.84**	**519.11**	**1648.15**	**1851.40**	**6.00**	**0.00**	**988892.82**	**108778.21**
Run 5 Start - NG									
9/22/22 15:44	0.00	75.87	523.4	1649.1	1860.3	6.00	0.00	989479	108843
9/22/22 15:45	0.00	75.94	523.6	1652.3	1859.9	6.00	0.00	991351	109049
9/22/22 15:46	0.00	76.08	523.0	1652.3	1859.8	6.00	0.00	991397	109054
9/22/22 15:47	0.00	75.83	522.4	1647.5	1858.2	6.00	0.00	988474	108732
9/22/22 15:48	0.00	76.05	522.4	1649.8	1858.3	6.00	0.00	989890	108888
9/22/22 15:49	0.00	75.62	522.4	1650.5	1858.0	6.00	0.00	990301	108933
9/22/22 15:50	0.00	75.58	522.8	1648.7	1858.0	6.00	0.00	989205	108813
9/22/22 15:51	0.00	75.96	522.8	1651.1	1859.2	6.00	0.00	990666	108973
9/22/22 15:52	0.00	75.74	522.6	1650.3	1858.9	6.00	0.00	990209	108923
9/22/22 15:53	0.00	75.67	522.6	1649.1	1858.0	6.00	0.00	989434	108838
9/22/22 15:54	0.00	75.83	522.2	1649.4	1857.8	6.00	0.00	989616	108858
9/22/22 15:55	0.00	75.80	523.0	1650.4	1858.9	6.00	0.00	990255	108928
9/22/22 15:56	0.00	75.93	522.7	1649.2	1858.3	6.00	0.00	989525	108848
9/22/22 15:57	0.00	76.02	522.4	1651.1	1858.3	6.00	0.00	990666	108973
9/22/22 15:58	0.00	75.93	522.8	1650.3	1858.4	6.00	0.00	990209	108923
9/22/22 15:59	0.00	75.67	522.8	1647.8	1858.6	6.00	0.00	988657	108752
9/22/22 16:00	0.00	75.94	522.6	1649.4	1858.2	6.00	0.00	989616	108858
9/22/22 16:01	0.00	75.94	522.2	1652.5	1857.7	6.00	0.00	991488	109064
9/22/22 16:02	0.00	75.66	522.1	1647.9	1856.5	6.00	0.00	988748	108762
9/22/22 16:03	0.00	75.76	522.4	1647.9	1857.3	6.00	0.00	988748	108762
9/22/22 16:04	0.00	75.77	522.6	1651.6	1857.9	6.00	0.00	990940	109003
9/22/22 16:05	0.00	75.80	522.2	1648.6	1856.5	6.00	0.00	989159	108808
9/22/22 16:06	0.00	75.68	522.7	1649.8	1858.2	6.00	0.00	989890	108888
9/22/22 16:07	0.00	75.77	522.4	1652.3	1857.3	6.00	0.00	991397	109054
9/22/22 16:08	0.00	75.80	522.4	1649.9	1857.5	6.00	0.00	989936	108893
9/22/22 16:09	0.00	75.77	522.6	1649.8	1858.2	6.00	0.00	989890	108888
9/22/22 16:10	0.00	75.93	523.6	1652.9	1859.4	6.00	0.00	991717	109089
9/22/22 16:11	0.00	75.77	523.4	1651.2	1858.6	6.00	0.00	990712	108978
9/22/22 16:12	0.00	75.83	523.0	1649.9	1858.0	6.00	0.00	989935	108893
9/22/22 16:13	0.00	75.96	522.6	1652.3	1858.2	6.00	0.00	991351	109049
9/22/22 16:14	0.00	75.86	522.4	1651.0	1857.9	6.00	0.00	990620	108968
9/22/22 16:15	0.00	75.70	523.0	1651.1	1858.6	6.00	0.00	990666	108973
9/22/22 16:16	0.00	76.05	523.0	1654.2	1858.6	6.00	0.00	992539	109179
9/22/22 16:17	0.00	75.71	522.2	1651.6	1856.8	6.00	0.00	990986	109008
9/22/22 16:18	0.00	75.87	522.2	1651.2	1857.9	6.00	0.00	990712	108978
9/22/22 16:19	0.00	75.87	522.6	1652.6	1857.7	6.00	0.00	991579	109074
9/22/22 16:20	0.00	75.93	522.8	1651.4	1858.0	6.00	0.00	990849	108993
9/22/22 16:21	0.00	75.92	521.8	1649.4	1857.2	6.00	0.00	989662	108863
9/22/22 16:22	0.00	76.10	522.0	1651.8	1857.1	6.00	0.00	991077	109018
9/22/22 16:23	0.00	75.97	522.0	1650.0	1857.0	6.00	0.00	989981	108898
9/22/22 16:24	0.00	75.78	522.8	1650.5	1858.6	6.00	0.00	990301	108933
9/22/22 16:25	0.00	75.89	523.3	1652.3	1860.2	6.00	0.00	991351	109049
9/22/22 16:26	0.00	75.81	522.5	1650.5	1858.4	6.00	0.00	990301	108933
9/22/22 16:27	0.00	75.94	522.3	1650.3	1857.7	6.00	0.00	990209	108923
9/22/22 16:28	0.00	75.94	522.2	1653.5	1858.3	6.00	0.00	992082	109129
9/22/22 16:29	0.00	75.64	521.8	1650.5	1857.0	6.00	0.00	990301	108933
9/22/22 16:30	0.00	75.86	521.9	1649.7	1858.0	6.00	0.00	989798	108878
9/22/22 16:31	0.00	76.07	522.4	1653.4	1858.0	6.00	0.00	992036	109124
9/22/22 16:32	0.00	75.74	521.9	1650.7	1857.9	6.00	0.00	990392	108943
9/22/22 16:33	0.00	75.80	522.3	1649.4	1858.5	6.00	0.00	989616	108858
9/22/22 16:34	0.00	75.82	522.6	1652.9	1858.9	6.00	0.00	991717	109089
9/22/22 16:35	0.00	75.92	523.4	1649.7	1858.3	6.00	0.00	989844	108883
9/22/22 16:36	0.00	76.00	522.9	1651.0	1857.7	6.00	0.00	990620	108968
9/22/22 16:37	0.00	76.05	522.2	1652.3	1858.3	6.00	0.00	991397	109054
9/22/22 16:38	0.00	76.03	522.4	1651.6	1857.4	6.00	0.00	990986	109008
9/22/22 16:39	0.00	75.76	522.1	1649.3	1857.4	6.00	0.00	989570	108853
9/22/22 16:40	0.00	76.00	521.9	1652.9	1857.0	6.00	0.00	991717	109089
9/22/22 16:41	0.00	75.79	521.6	1649.9	1857.3	6.00	0.00	989936	108893
9/22/22 16:42	0.00	76.09	522.0	1651.2	1857.6	6.00	0.00	990712	108978
9/22/22 16:43	0.00	75.76	522.4	1654.8	1858.0	6.00	0.00	992858	109214

McI CT2 Process Data
Averaged Data PM-Metal

Date Time	Oil Supply gpm	Load MW	Exhaust Temp deg. C	Gas Flow 10scfm	Turbine Inlet Temp deg F.	Gas On	Oil On	Gas scfh	Total Heat Input MMBtu/hr
9/22/22 16:44	0.00	75.68	522.0	1650.5	1857.4	6.00	0.00	990301	108933
9/22/22 16:45	0.00	75.92	521.6	1651.8	1857.4	6.00	0.00	991077	109018
9/22/22 16:46	0.00	76.02	521.8	1653.5	1858.0	6.00	0.00	992128	109134
9/22/22 16:47	0.00	75.80	522.0	1652.5	1856.8	6.00	0.00	991488	109064
9/22/22 16:48	0.00	75.83	522.0	1653.0	1858.0	6.00	0.00	991808	109099
9/22/22 16:49	0.00	76.10	521.6	1654.3	1856.7	6.00	0.00	992584	109184
9/22/22 16:50	0.00	75.77	521.0	1649.9	1855.2	6.00	0.00	989935	108893
9/22/22 16:51	0.00	76.05	521.6	1652.5	1857.0	6.00	0.00	991488	109064
9/22/22 16:52	0.00	75.93	521.8	1652.7	1857.0	6.00	0.00	991625	109079
9/22/22 16:53	0.00	75.87	521.4	1649.1	1856.4	6.00	0.00	989479	108843
9/22/22 16:54	0.00	76.12	521.8	1651.6	1858.2	6.00	0.00	990986	109008
9/22/22 16:55	0.00	75.65	521.6	1652.3	1856.7	6.00	0.00	991397	109054
9/22/22 16:56	0.00	75.78	521.0	1649.7	1855.5	6.00	0.00	989844	108883
9/22/22 16:57	0.00	75.79	521.2	1651.2	1856.4	6.00	0.00	990712	108978
9/22/22 16:58	0.00	76.04	521.2	1653.5	1855.8	6.00	0.00	992128	109134
9/22/22 16:59	0.00	76.00	521.0	1649.1	1855.7	6.00	0.00	989479	108843
9/22/22 17:00	0.00	75.87	521.4	1652.2	1856.6	6.00	0.00	991306	109044
9/22/22 17:01	0.00	75.62	521.4	1653.1	1855.8	6.00	0.00	991853	109104
9/22/22 17:02	0.00	76.05	520.8	1651.2	1855.0	6.00	0.00	990712	108978
9/22/22 17:03	0.00	75.81	521.0	1651.6	1856.0	6.00	0.00	990986	109008
9/22/22 17:04	0.00	75.91	520.6	1651.8	1855.1	6.00	0.00	991077	109018
9/22/22 17:05	0.00	75.91	520.8	1652.4	1855.4	6.00	0.00	991442	109059
9/22/22 17:06	0.00	75.90	521.4	1653.5	1856.0	6.00	0.00	992128	109134
9/22/22 17:07	0.00	75.91	520.8	1653.6	1855.2	6.00	0.00	992173	109139
9/22/22 17:08	0.00	75.70	520.2	1652.2	1853.9	6.00	0.00	991306	109044
9/22/22 17:09	0.00	75.87	520.6	1657.6	1854.9	6.00	0.00	994548	109400
9/22/22 17:10	0.00	75.64	520.8	1656.0	1854.5	6.00	0.00	993589	109295
9/22/22 17:11	0.00	75.86	520.7	1655.4	1855.2	6.00	0.00	993269	109260
9/22/22 17:12	0.00	75.87	520.9	1658.8	1854.8	6.00	0.00	995278	109481
9/22/22 17:13	0.00	76.05	520.3	1657.3	1853.3	6.00	0.00	994365	109380
9/22/22 17:14	0.00	75.82	520.4	1656.9	1853.8	6.00	0.00	994137	109355
9/22/22 17:15	0.00	75.85	520.5	1660.9	1853.9	6.00	0.00	996511	109616
9/22/22 17:16	0.00	75.59	520.4	1657.4	1853.8	6.00	0.00	994411	109385
9/22/22 17:17	0.00	75.89	520.7	1657.1	1854.5	6.00	0.00	994274	109370
9/22/22 17:18	0.00	75.83	520.2	1659.7	1854.6	6.00	0.00	995827	109541
9/22/22 17:19	0.00	75.86	520.2	1656.5	1853.3	6.00	0.00	993908	109330
9/22/22 17:20	0.00	75.91	520.0	1659.1	1853.9	6.00	0.00	995461	109501
9/22/22 17:21	0.00	75.90	520.0	1659.0	1853.0	6.00	0.00	995416	109496
9/22/22 17:22	0.00	75.56	520.0	1658.0	1853.5	6.00	0.00	994822	109430
9/22/22 17:23	0.00	75.78	520.3	1657.2	1854.5	6.00	0.00	994319	109375
9/22/22 17:24	0.00	75.95	520.0	1658.6	1853.5	6.00	0.00	995141	109466
9/22/22 17:25	0.00	75.92	520.2	1656.7	1853.8	6.00	0.00	994000	109340
9/22/22 17:26	0.00	76.05	520.1	1658.5	1853.5	6.00	0.00	995096	109461
9/22/22 17:27	0.00	75.92	520.0	1659.6	1853.6	6.00	0.00	995735	109531
9/22/22 17:28	0.00	76.03	519.7	1656.8	1852.7	6.00	0.00	994091	109350
9/22/22 17:29	0.00	75.56	520.0	1658.0	1853.0	6.00	0.00	994776	109425
9/22/22 17:30	0.00	75.87	519.3	1658.5	1852.3	6.00	0.00	995096	109461
9/22/22 17:31	0.00	75.77	518.7	1655.9	1851.7	6.00	0.00	993543	109290
9/22/22 17:32	0.00	75.87	519.7	1660.4	1852.7	6.00	0.00	996238	109586
9/22/22 17:33	0.00	75.87	519.3	1661.1	1852.1	6.00	0.00	996649	109631
9/22/22 17:34	0.00	75.69	519.1	1657.4	1851.4	6.00	0.00	994411	109385
9/22/22 17:35	0.00	75.90	519.3	1659.7	1852.3	6.00	0.00	995827	109541
9/22/22 17:36	0.00	76.05	518.7	1659.9	1851.2	6.00	0.00	995963	109556
9/22/22 17:37	0.00	75.80	518.5	1654.8	1850.5	6.00	0.00	992904	109219
9/22/22 17:38	0.00	75.93	519.1	1659.6	1851.1	6.00	0.00	995780	109536
9/22/22 17:39	0.00	75.92	518.1	1659.8	1849.7	6.00	0.00	995872	109546
9/22/22 17:40	0.00	75.70	517.7	1656.7	1848.9	6.00	0.00	994045	109345
9/22/22 17:41	0.00	75.97	518.3	1659.1	1849.8	6.00	0.00	995461	109501
9/22/22 17:42	0.00	75.86	517.7	1659.2	1848.7	6.00	0.00	995507	109506
9/22/22 17:43	0.00	75.77	517.7	1657.0	1848.9	6.00	0.00	994228	109365
9/22/22 17:44	0.00	76.16	518.3	1660.5	1849.6	6.00	0.00	996329	109596
9/22/22 17:45	0.00	75.86	517.3	1658.0	1848.6	6.00	0.00	994776	109425
9/22/22 17:46	0.00	75.94	517.5	1657.4	1848.4	6.00	0.00	994456	109390
9/22/22 17:47	0.00	75.91	517.5	1658.6	1848.8	6.00	0.00	995187	109471
9/22/22 17:48	0.00	75.89	517.1	1654.8	1848.2	6.00	0.00	992904	109219
9/22/22 17:49	0.00	76.11	517.7	1654.2	1848.4	6.00	0.00	992493	109174
9/22/22 17:50	0.00	76.02	517.5	1653.5	1849.7	6.00	0.00	992082	109129
9/22/22 17:51	0.00	75.75	516.9	1650.5	1847.6	6.00	0.00	990301	108933
9/22/22 17:52	0.00	75.71	516.9	1651.1	1848.2	6.00	0.00	990666	108973

McI CT2 Process Data
Averaged Data PM-Metal

Date Time	Oil Supply gpm	Load MW	Exhaust Temp deg. C	Gas Flow 10scfm	Turbine Inlet Temp deg F.	Gas On	Oil On	Gas scfh	Total Heat Input MMBtu/hr
9/22/22 17:53	0.00	75.74	516.3	1653.7	1846.7	6.00	0.00	992219	109144
9/22/22 17:54	0.00	76.06	515.9	1650.7	1846.2	6.00	0.00	990392	108943
9/22/22 17:55	0.00	75.74	516.3	1653.0	1846.4	6.00	0.00	991808	109099
9/22/22 17:56	0.00	75.87	516.1	1655.0	1845.7	6.00	0.00	992995	109229
9/22/22 17:57	0.00	75.74	515.6	1650.3	1845.0	6.00	0.00	990164	108918
9/22/22 17:58	0.00	75.97	515.3	1654.1	1845.0	6.00	0.00	992447	109169
9/22/22 17:59	0.00	75.83	515.5	1652.3	1844.5	6.00	0.00	991351	109049
9/22/22 18:00	0.00	75.89	515.6	1650.5	1844.9	6.00	0.00	990301	108933
9/22/22 18:01	0.00	76.01	515.5	1654.2	1845.7	6.00	0.00	992538	109179
9/22/22 18:02	0.00	75.75	515.3	1652.4	1844.8	6.00	0.00	991442	109059
9/22/22 18:03	0.00	75.82	515.4	1650.6	1845.0	6.00	0.00	990347	108938
9/22/22 18:04	0.00	75.93	515.0	1652.4	1844.9	6.00	0.00	991442	109059
9/22/22 18:05	0.00	76.01	515.2	1652.0	1843.8	6.00	0.00	991214	109034
9/22/22 18:06	0.00	75.79	514.7	1649.4	1843.3	6.00	0.00	989662	108863
9/22/22 18:07	0.00	75.72	514.2	1651.7	1842.5	6.00	0.00	991031	109013
9/22/22 18:08	0.00	76.03	514.1	1648.8	1842.2	6.00	0.00	989296	108823
9/22/22 18:09	0.00	75.95	514.2	1652.9	1842.1	6.00	0.00	991762	109094
9/22/22 18:10	0.00	76.07	513.7	1653.5	1841.0	6.00	0.00	992128	109134
9/22/22 18:11	0.00	75.68	513.6	1650.4	1841.7	6.00	0.00	990255	108928
9/22/22 18:12	0.00	75.85	513.4	1649.8	1841.1	6.00	0.00	989890	108888
9/22/22 18:13	0.00	75.86	513.4	1650.5	1841.0	6.00	0.00	990301	108933
9/22/22 18:14	0.00	75.91	513.3	1650.5	1840.5	6.00	0.00	990301	108933
9/22/22 18:15	0.00	75.84	513.4	1651.1	1841.7	6.00	0.00	990666	108973
9/22/22 18:16	0.00	75.73	513.0	1651.8	1840.1	6.00	0.00	991077	109018
9/22/22 18:17	0.00	76.04	513.1	1649.1	1840.6	6.00	0.00	989479	108843
9/22/22 18:18	0.00	75.56	512.4	1653.0	1839.5	6.00	0.00	991808	109099
9/22/22 18:19	0.00	75.71	512.2	1650.5	1838.9	6.00	0.00	990301	108933
9/22/22 18:20	0.00	75.95	512.8	1650.5	1840.1	6.00	0.00	990301	108933
9/22/22 18:21	0.00	75.87	512.4	1653.6	1838.6	6.00	0.00	992173	109139
9/22/22 18:22	0.00	75.57	511.5	1649.4	1837.3	6.00	0.00	989616	108858
9/22/22 18:23	0.00	75.87	511.8	1651.1	1837.9	6.00	0.00	990666	108973
9/22/22 18:24	0.00	75.86	512.2	1653.3	1837.9	6.00	0.00	991991	109119
9/22/22 18:25	0.00	75.80	511.8	1649.8	1837.4	6.00	0.00	989890	108888
9/22/22 18:26	0.00	75.73	511.6	1651.7	1837.5	6.00	0.00	991031	109013
9/22/22 18:27	0.00	75.75	511.1	1651.8	1836.7	6.00	0.00	991077	109018
9/22/22 18:28	0.00	75.64	510.7	1650.5	1835.7	6.00	0.00	990301	108933
9/22/22 18:29	0.00	75.69	510.9	1651.6	1836.5	6.00	0.00	990986	109008
9/22/22 18:30	0.00	75.82	511.1	1652.5	1836.1	6.00	0.00	991488	109064
9/22/22 18:31	0.00	75.65	510.9	1650.5	1836.1	6.00	0.00	990301	108933
9/22/22 18:32	0.00	75.89	511.3	1653.6	1836.9	6.00	0.00	992173	109139
9/22/22 18:33	0.00	75.89	510.9	1651.8	1836.2	6.00	0.00	991077	109018
9/22/22 18:34	0.00	75.47	510.9	1648.6	1836.1	6.00	0.00	989159	108808
9/22/22 18:35	0.00	76.08	510.7	1651.0	1835.9	6.00	0.00	990575	108963
9/22/22 18:36	0.00	75.59	510.5	1647.2	1834.4	6.00	0.00	988337	108717
9/22/22 18:37	0.00	75.77	510.3	1647.9	1835.2	6.00	0.00	988748	108762
9/22/22 18:38	0.00	75.99	510.3	1651.2	1835.2	6.00	0.00	990712	108978
9/22/22 18:39	0.00	75.77	509.7	1648.1	1834.1	6.00	0.00	988885	108777
9/22/22 18:40	0.00	75.86	509.9	1650.1	1835.1	6.00	0.00	990073	108908
9/22/22 18:41	0.00	76.03	509.9	1649.8	1833.9	6.00	0.00	989890	108888
9/22/22 18:42	0.00	75.95	509.3	1646.8	1833.8	6.00	0.00	988063	108687
9/22/22 18:43	0.00	75.91	509.9	1649.3	1834.7	6.00	0.00	989570	108853
9/22/22 18:44	0.00	76.21	509.8	1649.3	1833.8	6.00	0.00	989570	108853
9/22/22 18:45	0.00	75.90	509.7	1645.0	1833.6	6.00	0.00	987013	108571
9/22/22 18:46	0.00	75.79	509.9	1651.8	1834.3	6.00	0.00	991077	109018
9/22/22 18:47	0.00	75.95	509.2	1648.7	1833.5	6.00	0.00	989205	108813
9/22/22 18:48	0.00	75.98	509.7	1647.5	1834.4	6.00	0.00	988474	108732
9/22/22 18:49	0.00	75.80	510.1	1649.9	1835.3	6.00	0.00	989935	108893
9/22/22 18:50	0.00	75.80	509.5	1648.0	1833.8	6.00	0.00	988794	108767
9/22/22 18:51	0.00	75.91	509.7	1646.3	1834.7	6.00	0.00	987790	108657
9/22/22 18:52	0.00	76.02	509.5	1651.1	1833.9	6.00	0.00	990666	108973
9/22/22 18:53	0.00	75.77	508.7	1646.2	1833.2	6.00	0.00	987698	108647
9/22/22 18:54	0.00	75.82	509.8	1648.5	1834.3	6.00	0.00	989114	108803
9/22/22 18:55	0.00	75.91	509.1	1649.2	1833.1	6.00	0.00	989525	108848
9/22/22 18:56	0.00	75.91	509.1	1646.7	1832.9	6.00	0.00	988018	108682
9/22/22 18:57	0.00	75.95	509.1	1650.0	1833.1	6.00	0.00	990027	108903
9/22/22 18:58	0.00	75.77	508.3	1648.0	1831.7	6.00	0.00	988794	108767
9/22/22 18:59	0.00	75.68	508.7	1646.1	1832.1	6.00	0.00	987652	108642
9/22/22 19:00	0.00	75.64	508.7	1651.2	1832.7	6.00	0.00	990712	108978
9/22/22 19:01	0.00	75.99	508.7	1648.5	1832.2	6.00	0.00	989114	108803

McI CT2 Process Data
Averaged Data PM-Metal

Date Time	Oil Supply gpm	Load MW	Exhaust Temp deg. C	Gas Flow 10scfm	Turbine Inlet Temp deg F.	Gas On	Oil On	Gas scfh	Total Heat Input MMBtu/hr
9/22/22 19:02	0.00	75.86	509.1	1648.1	1833.6	6.00	0.00	988840	108772
9/22/22 19:03	0.00	76.17	509.5	1649.8	1833.5	6.00	0.00	989890	108888
9/22/22 19:04	0.00	75.77	508.9	1647.3	1832.5	6.00	0.00	988383	108722
9/22/22 19:05	0.00	75.85	509.0	1649.2	1833.3	6.00	0.00	989525	108848
9/22/22 19:06	0.00	75.68	509.0	1650.6	1832.9	6.00	0.00	990347	108938
9/22/22 19:07	0.00	75.90	509.3	1648.5	1833.0	6.00	0.00	989114	108803
9/22/22 19:08	0.00	75.81	509.3	1651.0	1833.7	6.00	0.00	990620	108968
9/22/22 19:09	0.00	76.05	509.1	1649.2	1832.6	6.00	0.00	989525	108848
9/22/22 19:10	0.00	75.59	508.8	1647.5	1833.0	6.00	0.00	988474	108732
9/22/22 19:11	0.00	75.66	509.1	1651.1	1833.2	6.00	0.00	990666	108973
9/22/22 19:12	0.00	75.38	508.5	1647.5	1831.7	6.00	0.00	988474	108732
9/22/22 19:13	0.00	75.77	508.9	1649.3	1833.0	6.00	0.00	989570	108853
9/22/22 19:14	0.00	75.99	508.9	1650.4	1833.1	6.00	0.00	990255	108928
9/22/22 19:15	0.00	76.03	508.9	1646.6	1832.3	6.00	0.00	987972	108677
Run 5 Average	**0.00**	**75.86**	**517.34**	**1652.08**	**1848.45**	**6.00**	**0.00**	**991249.71**	**109037.47**
Run 1 Start - FO									
9/26/22 07:32	124.32	75.85	508.5	0.0	1833.7	0.00	6.00	0	1089
9/26/22 07:33	124.27	75.87	507.6	0.0	1833.1	0.00	6.00	0	1089
9/26/22 07:34	124.22	75.84	508.3	0.0	1833.5	0.00	6.00	0	1088
9/26/22 07:35	124.22	76.08	507.6	0.0	1833.5	0.00	6.00	0	1088
9/26/22 07:36	124.32	75.94	506.9	0.0	1832.9	0.00	6.00	0	1089
9/26/22 07:37	124.27	76.16	507.5	0.0	1832.8	0.00	6.00	0	1089
9/26/22 07:38	124.22	76.17	506.9	0.0	1832.2	0.00	6.00	0	1088
9/26/22 07:39	124.05	75.89	507.0	0.0	1831.4	0.00	6.00	0	1087
9/26/22 07:40	124.19	75.59	506.6	0.0	1830.8	0.00	6.00	0	1088
9/26/22 07:41	124.37	76.03	506.9	0.0	1830.4	0.00	6.00	0	1089
9/26/22 07:42	124.22	75.86	506.0	0.0	1830.2	0.00	6.00	0	1088
9/26/22 07:43	124.42	75.94	506.0	0.0	1829.6	0.00	6.00	0	1090
9/26/22 07:44	124.41	75.81	506.0	0.0	1830.3	0.00	6.00	0	1090
9/26/22 07:45	124.05	75.89	505.8	0.0	1829.7	0.00	6.00	0	1087
9/26/22 07:46	124.00	75.85	506.1	0.0	1829.8	0.00	6.00	0	1086
9/26/22 07:47	124.15	75.85	505.8	0.0	1829.1	0.00	6.00	0	1088
9/26/22 07:48	124.31	75.80	506.2	0.0	1829.8	0.00	6.00	0	1089
9/26/22 07:49	124.02	76.02	505.8	0.0	1827.9	0.00	6.00	0	1086
9/26/22 07:50	123.97	76.20	505.3	0.0	1827.9	0.00	6.00	0	1086
9/26/22 07:51	123.93	75.64	505.6	0.0	1827.5	0.00	6.00	0	1086
9/26/22 07:52	124.08	75.69	505.3	0.0	1827.9	0.00	6.00	0	1087
9/26/22 07:53	124.10	75.98	505.1	0.0	1827.4	0.00	6.00	0	1087
9/26/22 07:54	124.07	75.63	505.6	0.0	1827.3	0.00	6.00	0	1087
9/26/22 07:55	123.96	75.75	504.5	0.0	1826.8	0.00	6.00	0	1086
9/26/22 07:56	124.02	75.54	505.0	0.0	1827.3	0.00	6.00	0	1086
9/26/22 07:57	124.08	75.88	505.6	0.0	1826.9	0.00	6.00	0	1087
9/26/22 07:58	124.07	75.47	505.5	0.0	1826.4	0.00	6.00	0	1087
9/26/22 07:59	124.03	75.86	505.3	0.0	1826.3	0.00	6.00	0	1086
9/26/22 08:00	123.72	75.73	506.0	0.0	1827.2	0.00	6.00	0	1084
9/26/22 08:01	123.72	76.16	505.9	0.0	1826.4	0.00	6.00	0	1084
9/26/22 08:02	123.74	75.86	505.2	0.0	1826.0	0.00	6.00	0	1084
9/26/22 08:03	123.86	75.90	504.9	0.0	1825.6	0.00	6.00	0	1085
9/26/22 08:04	123.84	76.03	505.8	0.0	1826.0	0.00	6.00	0	1085
9/26/22 08:05	123.79	76.25	505.2	0.0	1826.0	0.00	6.00	0	1084
9/26/22 08:06	123.62	75.46	504.7	0.0	1826.0	0.00	6.00	0	1083
9/26/22 08:07	124.00	75.99	505.1	0.0	1826.0	0.00	6.00	0	1086
9/26/22 08:08	123.94	75.73	505.3	0.0	1826.0	0.00	6.00	0	1086
9/26/22 08:09	123.99	76.21	505.1	0.0	1825.7	0.00	6.00	0	1086
9/26/22 08:10	123.90	75.32	504.9	0.0	1825.6	0.00	6.00	0	1085
9/26/22 08:11	123.88	75.62	505.3	0.0	1825.4	0.00	6.00	0	1085
9/26/22 08:12	123.83	76.18	505.5	0.0	1825.9	0.00	6.00	0	1085
9/26/22 08:13	123.73	75.60	505.6	0.0	1825.7	0.00	6.00	0	1084
9/26/22 08:14	123.93	75.92	505.2	0.0	1825.9	0.00	6.00	0	1086
9/26/22 08:15	124.00	76.02	504.5	0.0	1825.4	0.00	6.00	0	1086
9/26/22 08:16	123.99	75.63	504.8	0.0	1825.6	0.00	6.00	0	1086
9/26/22 08:17	123.91	76.02	504.7	0.0	1825.1	0.00	6.00	0	1085
9/26/22 08:18	124.09	75.66	504.9	0.0	1824.8	0.00	6.00	0	1087
9/26/22 08:19	123.96	75.48	504.7	0.0	1824.7	0.00	6.00	0	1086
9/26/22 08:20	123.78	75.68	504.5	0.0	1824.7	0.00	6.00	0	1084
9/26/22 08:21	123.81	75.64	504.5	0.0	1824.5	0.00	6.00	0	1085
9/26/22 08:22	123.83	75.80	504.5	0.0	1824.9	0.00	6.00	0	1085
9/26/22 08:23	123.74	75.93	504.5	0.0	1824.2	0.00	6.00	0	1084

McI CT2 Process Data
Averaged Data PM-Metal

Date Time	Oil Supply gpm	Load MW	Exhaust Temp deg. C	Gas Flow 10scfm	Turbine Inlet Temp deg F.	Gas On	Oil On	Gas scfh	Total Heat Input MMBtu/hr
9/26/22 08:24	123.79	75.62	504.5	0.0	1824.2	0.00	6.00	0	1084
9/26/22 08:25	123.91	75.71	504.5	0.0	1824.5	0.00	6.00	0	1085
9/26/22 08:26	123.82	75.57	504.5	0.0	1824.5	0.00	6.00	0	1085
9/26/22 08:27	123.74	75.48	504.5	0.0	1824.5	0.00	6.00	0	1084
9/26/22 08:28	123.58	76.08	504.3	0.0	1824.7	0.00	6.00	0	1083
9/26/22 08:29	123.63	75.51	504.5	0.0	1824.5	0.00	6.00	0	1083
9/26/22 08:30	123.79	75.68	504.5	0.0	1824.9	0.00	6.00	0	1084
9/26/22 08:31	123.69	75.70	504.5	0.0	1824.9	0.00	6.00	0	1084
9/26/22 08:32	123.88	75.79	504.5	0.0	1825.5	0.00	6.00	0	1085
9/26/22 08:33	123.75	75.89	504.5	0.0	1824.8	0.00	6.00	0	1084
9/26/22 08:34	123.66	75.81	504.5	0.0	1824.6	0.00	6.00	0	1083
9/26/22 08:35	123.44	75.67	504.5	0.0	1824.2	0.00	6.00	0	1081
9/26/22 08:36	123.25	76.04	504.3	0.0	1824.2	0.00	6.00	0	1080
9/26/22 08:37	123.28	75.67	504.5	0.0	1825.1	0.00	6.00	0	1080
9/26/22 08:38	123.34	76.21	505.5	0.0	1825.8	0.00	6.00	0	1080
9/26/22 08:39	123.60	75.28	504.5	0.0	1825.3	0.00	6.00	0	1083
9/26/22 08:40	123.49	75.73	504.5	0.0	1825.4	0.00	6.00	0	1082
9/26/22 08:41	123.43	75.95	505.5	0.0	1826.0	0.00	6.00	0	1081
9/26/22 08:42	123.28	75.53	504.9	0.0	1825.1	0.00	6.00	0	1080
9/26/22 08:43	123.29	75.99	504.9	0.0	1825.3	0.00	6.00	0	1080
9/26/22 08:44	123.30	75.93	504.9	0.0	1825.7	0.00	6.00	0	1080
9/26/22 08:45	123.02	75.62	504.5	0.0	1825.1	0.00	6.00	0	1078
9/26/22 08:46	123.16	75.76	505.2	0.0	1825.6	0.00	6.00	0	1079
9/26/22 08:47	123.44	76.03	505.3	0.0	1825.1	0.00	6.00	0	1081
9/26/22 08:48	123.39	75.98	505.3	0.0	1824.9	0.00	6.00	0	1081
9/26/22 08:49	123.58	75.81	506.3	0.0	1826.1	0.00	6.00	0	1083
9/26/22 08:50	123.42	75.90	506.4	0.0	1827.6	0.00	6.00	0	1081
9/26/22 08:51	123.18	75.91	506.9	0.0	1828.6	0.00	6.00	0	1079
9/26/22 08:52	123.13	76.12	507.4	0.0	1827.6	0.00	6.00	0	1079
9/26/22 08:53	123.19	75.87	505.9	0.0	1826.2	0.00	6.00	0	1079
9/26/22 08:54	122.94	75.94	506.0	0.0	1826.2	0.00	6.00	0	1077
9/26/22 08:55	122.83	75.64	506.0	0.0	1826.3	0.00	6.00	0	1076
9/26/22 08:56	122.88	76.25	506.3	0.0	1827.5	0.00	6.00	0	1076
9/26/22 08:57	122.83	75.77	506.0	0.0	1826.9	0.00	6.00	0	1076
9/26/22 08:58	123.02	75.94	506.3	0.0	1827.3	0.00	6.00	0	1078
9/26/22 08:59	122.92	76.10	505.8	0.0	1826.3	0.00	6.00	0	1077
9/26/22 09:00	122.54	76.04	505.8	0.0	1826.0	0.00	6.00	0	1073
9/26/22 09:01	122.74	75.74	505.8	0.0	1826.5	0.00	6.00	0	1075
9/26/22 09:02	122.89	76.61	505.8	0.0	1826.7	0.00	6.00	0	1077
9/26/22 09:03	123.14	75.58	506.7	0.0	1827.8	0.00	6.00	0	1079
9/26/22 09:04	122.89	75.88	506.5	0.0	1827.6	0.00	6.00	0	1076
9/26/22 09:05	122.84	75.84	506.2	0.0	1827.0	0.00	6.00	0	1076
9/26/22 09:06	122.79	76.22	506.2	0.0	1826.6	0.00	6.00	0	1076
9/26/22 09:07	122.86	76.01	506.3	0.0	1828.0	0.00	6.00	0	1076
9/26/22 09:08	122.97	75.55	506.2	0.0	1826.9	0.00	6.00	0	1077
9/26/22 09:09	122.92	75.99	506.5	0.0	1826.7	0.00	6.00	0	1077
9/26/22 09:10	123.11	75.74	506.9	0.0	1827.3	0.00	6.00	0	1078
9/26/22 09:11	122.91	75.73	506.9	0.0	1827.7	0.00	6.00	0	1077
9/26/22 09:12	123.16	75.74	506.9	0.0	1827.5	0.00	6.00	0	1079
9/26/22 09:13	122.99	76.04	507.1	0.0	1827.3	0.00	6.00	0	1077
9/26/22 09:14	122.99	75.95	507.5	0.0	1828.0	0.00	6.00	0	1077
9/26/22 09:15	122.78	75.77	507.3	0.0	1827.6	0.00	6.00	0	1076
9/26/22 09:16	123.14	76.13	507.3	0.0	1828.0	0.00	6.00	0	1079
9/26/22 09:17	123.00	75.60	507.5	0.0	1827.9	0.00	6.00	0	1077
9/26/22 09:18	123.32	75.74	508.7	0.0	1829.8	0.00	6.00	0	1080
9/26/22 09:19	122.95	75.77	509.1	0.0	1829.7	0.00	6.00	0	1077
9/26/22 09:20	123.17	76.17	508.7	0.0	1827.6	0.00	6.00	0	1079
9/26/22 09:21	123.58	76.09	507.0	0.0	1827.7	0.00	6.00	0	1083
9/26/22 09:22	123.48	75.99	507.4	0.0	1828.5	0.00	6.00	0	1082
9/26/22 09:23	123.39	75.53	507.3	0.0	1828.6	0.00	6.00	0	1081
9/26/22 09:24	123.64	75.66	508.1	0.0	1829.9	0.00	6.00	0	1083
9/26/22 09:25	123.87	76.07	508.5	0.0	1830.8	0.00	6.00	0	1085
9/26/22 09:26	123.32	75.91	508.1	0.0	1830.3	0.00	6.00	0	1080
9/26/22 09:27	123.13	75.68	507.6	0.0	1828.6	0.00	6.00	0	1079
9/26/22 09:28	122.99	75.92	507.1	0.0	1828.8	0.00	6.00	0	1077
9/26/22 09:29	123.08	76.07	507.7	0.0	1829.5	0.00	6.00	0	1078
9/26/22 09:30	123.22	76.06	508.1	0.0	1829.3	0.00	6.00	0	1079
9/26/22 09:31	123.27	75.85	507.5	0.0	1829.9	0.00	6.00	0	1080
9/26/22 09:32	123.64	75.77	507.9	0.0	1830.1	0.00	6.00	0	1083

McI CT2 Process Data
Averaged Data PM-Metal

Date Time	Oil Supply gpm	Load MW	Exhaust Temp deg. C	Gas Flow 10scfm	Turbine Inlet Temp deg F.	Gas On	Oil On	Gas scfh	Total Heat Input MMBtu/hr
9/26/22 09:33	123.44	75.96	508.7	0.0	1831.0	0.00	6.00	0	1081
9/26/22 09:34	123.51	76.01	509.1	0.0	1832.6	0.00	6.00	0	1082
9/26/22 09:35	123.21	75.88	509.3	0.0	1832.0	0.00	6.00	0	1079
9/26/22 09:36	123.39	75.66	510.1	0.0	1832.3	0.00	6.00	0	1081
9/26/22 09:37	123.47	75.79	509.7	0.0	1831.4	0.00	6.00	0	1082
9/26/22 09:38	123.78	75.66	509.1	0.0	1831.0	0.00	6.00	0	1084
9/26/22 09:39	123.71	75.70	509.9	0.0	1832.0	0.00	6.00	0	1084
9/26/22 09:40	123.88	75.87	509.2	0.0	1830.8	0.00	6.00	0	1085
9/26/22 09:41	123.97	75.52	509.1	0.0	1831.5	0.00	6.00	0	1086
9/26/22 09:42	123.38	75.79	508.9	0.0	1831.1	0.00	6.00	0	1081
9/26/22 09:43	123.53	75.62	508.9	0.0	1831.1	0.00	6.00	0	1082
9/26/22 09:44	123.72	75.99	510.1	0.0	1832.6	0.00	6.00	0	1084
9/26/22 09:45	123.77	76.05	509.7	0.0	1832.6	0.00	6.00	0	1084
9/26/22 09:46	123.57	75.63	509.3	0.0	1831.4	0.00	6.00	0	1082
9/26/22 09:47	123.24	75.88	509.0	0.0	1831.0	0.00	6.00	0	1080
9/26/22 09:48	123.42	76.24	508.8	0.0	1830.8	0.00	6.00	0	1081
9/26/22 09:49	123.13	75.93	509.1	0.0	1831.9	0.00	6.00	0	1079
9/26/22 09:50	123.14	76.02	509.4	0.0	1832.2	0.00	6.00	0	1079
9/26/22 09:51	123.27	75.62	509.1	0.0	1832.1	0.00	6.00	0	1080
9/26/22 09:52	123.14	76.26	508.4	0.0	1830.7	0.00	6.00	0	1079
9/26/22 09:53	123.20	76.29	508.7	0.0	1830.6	0.00	6.00	0	1079
9/26/22 09:54	123.19	76.23	509.7	0.0	1831.1	0.00	6.00	0	1079
9/26/22 09:55	123.34	76.02	509.3	0.0	1831.3	0.00	6.00	0	1080
9/26/22 09:56	123.39	75.62	509.1	0.0	1830.8	0.00	6.00	0	1081
9/26/22 09:57	123.01	75.80	509.3	0.0	1831.9	0.00	6.00	0	1078
9/26/22 09:58	122.67	75.79	509.5	0.0	1832.6	0.00	6.00	0	1075
9/26/22 09:59	122.83	75.62	510.5	0.0	1832.3	0.00	6.00	0	1076
9/26/22 10:00	122.77	76.12	510.6	0.0	1832.8	0.00	6.00	0	1075
9/26/22 10:01	122.94	76.11	509.9	0.0	1831.9	0.00	6.00	0	1077
9/26/22 10:02	123.03	75.84	510.3	0.0	1831.9	0.00	6.00	0	1078
9/26/22 10:03	122.78	75.89	509.7	0.0	1832.0	0.00	6.00	0	1076
9/26/22 10:04	122.97	76.04	509.7	0.0	1832.3	0.00	6.00	0	1077
9/26/22 10:05	122.77	75.73	510.5	0.0	1833.0	0.00	6.00	0	1075
9/26/22 10:06	123.06	75.72	511.1	0.0	1833.2	0.00	6.00	0	1078
9/26/22 10:07	123.14	75.97	511.1	0.0	1833.7	0.00	6.00	0	1079
9/26/22 10:08	122.89	75.76	511.8	0.0	1835.3	0.00	6.00	0	1077
9/26/22 10:09	122.86	75.82	511.5	0.0	1835.2	0.00	6.00	0	1076
9/26/22 10:10	122.75	75.48	511.5	0.0	1836.6	0.00	6.00	0	1075
9/26/22 10:11	122.98	75.94	511.6	0.0	1836.9	0.00	6.00	0	1077
9/26/22 10:12	122.74	76.02	511.6	0.0	1835.8	0.00	6.00	0	1075
9/26/22 10:13	123.10	76.06	510.7	0.0	1834.5	0.00	6.00	0	1078
9/26/22 10:14	122.89	75.70	510.5	0.0	1833.8	0.00	6.00	0	1076
9/26/22 10:15	123.05	75.93	511.3	0.0	1835.4	0.00	6.00	0	1078
9/26/22 10:16	123.10	75.93	512.4	0.0	1836.4	0.00	6.00	0	1078
9/26/22 10:17	123.15	76.05	512.6	0.0	1837.2	0.00	6.00	0	1079
9/26/22 10:18	123.22	75.88	512.6	0.0	1837.1	0.00	6.00	0	1079
9/26/22 10:19	123.41	75.92	511.6	0.0	1834.9	0.00	6.00	0	1081
9/26/22 10:20	123.44	75.83	511.8	0.0	1835.8	0.00	6.00	0	1081
9/26/22 10:21	122.94	75.87	511.6	0.0	1836.3	0.00	6.00	0	1077
9/26/22 10:22	122.84	76.23	510.7	0.0	1834.4	0.00	6.00	0	1076
9/26/22 10:23	122.42	75.36	511.6	0.0	1835.7	0.00	6.00	0	1072
9/26/22 10:24	122.52	75.92	512.2	0.0	1836.0	0.00	6.00	0	1073
9/26/22 10:25	122.31	75.92	511.5	0.0	1835.0	0.00	6.00	0	1071
9/26/22 10:26	122.48	75.84	512.2	0.0	1836.0	0.00	6.00	0	1073
9/26/22 10:27	122.59	75.75	512.8	0.0	1837.6	0.00	6.00	0	1074
9/26/22 10:28	122.86	76.20	512.6	0.0	1837.4	0.00	6.00	0	1076
9/26/22 10:29	123.33	75.80	513.4	0.0	1838.6	0.00	6.00	0	1080
9/26/22 10:30	123.19	75.84	512.8	0.0	1837.8	0.00	6.00	0	1079
9/26/22 10:31	123.12	75.36	512.6	0.0	1837.6	0.00	6.00	0	1079
9/26/22 10:32	123.22	75.51	513.7	0.0	1838.8	0.00	6.00	0	1079
9/26/22 10:33	123.04	75.84	513.9	0.0	1839.0	0.00	6.00	0	1078
9/26/22 10:34	123.13	75.27	513.0	0.0	1838.3	0.00	6.00	0	1079
9/26/22 10:35	123.44	75.66	512.5	0.0	1837.8	0.00	6.00	0	1081
9/26/22 10:36	123.32	75.83	512.8	0.0	1838.6	0.00	6.00	0	1080
9/26/22 10:37	123.16	75.76	513.9	0.0	1841.1	0.00	6.00	0	1079
9/26/22 10:38	123.13	75.96	514.2	0.0	1841.3	0.00	6.00	0	1079
9/26/22 10:39	123.18	75.70	513.2	0.0	1839.4	0.00	6.00	0	1079
9/26/22 10:40	123.10	76.02	512.4	0.0	1837.8	0.00	6.00	0	1078
9/26/22 10:41	123.03	76.09	512.8	0.0	1838.3	0.00	6.00	0	1078

McI CT2 Process Data
Averaged Data PM-Metal

Date Time	Oil Supply gpm	Load MW	Exhaust Temp deg. C	Gas Flow 10scfm	Turbine Inlet Temp deg F.	Gas On	Oil On	Gas scfh	Total Heat Input MMBtu/hr
9/26/22 10:42	123.29	75.49	513.6	0.0	1839.7	0.00	6.00	0	1080
9/26/22 10:43	123.28	75.40	513.2	0.0	1839.2	0.00	6.00	0	1080
9/26/22 10:44	123.00	75.80	512.8	0.0	1838.5	0.00	6.00	0	1077
9/26/22 10:45	122.87	75.45	514.0	0.0	1840.4	0.00	6.00	0	1076
9/26/22 10:46	123.24	75.67	514.6	0.0	1841.5	0.00	6.00	0	1080
9/26/22 10:47	123.00	75.70	513.7	0.0	1839.9	0.00	6.00	0	1078
9/26/22 10:48	123.10	75.71	513.7	0.0	1840.5	0.00	6.00	0	1078
9/26/22 10:49	122.89	76.28	514.0	0.0	1839.5	0.00	6.00	0	1077
9/26/22 10:50	122.89	75.75	514.2	0.0	1840.3	0.00	6.00	0	1076
9/26/22 10:51	123.00	76.06	514.2	0.0	1841.1	0.00	6.00	0	1077
9/26/22 10:52	122.70	76.27	513.0	0.0	1839.1	0.00	6.00	0	1075
9/26/22 10:53	122.50	76.18	513.8	0.0	1839.9	0.00	6.00	0	1073
9/26/22 10:54	122.37	76.22	513.9	0.0	1840.1	0.00	6.00	0	1072
9/26/22 10:55	122.70	75.62	513.7	0.0	1838.8	0.00	6.00	0	1075
9/26/22 10:56	122.63	76.34	514.8	0.0	1840.3	0.00	6.00	0	1074
9/26/22 10:57	122.77	75.29	515.3	0.0	1841.4	0.00	6.00	0	1075
9/26/22 10:58	122.70	76.28	514.5	0.0	1840.3	0.00	6.00	0	1075
9/26/22 10:59	122.69	76.13	513.9	0.0	1839.5	0.00	6.00	0	1075
9/26/22 11:00	122.49	75.81	514.9	0.0	1840.6	0.00	6.00	0	1073
9/26/22 11:01	122.72	76.20	515.2	0.0	1840.7	0.00	6.00	0	1075
9/26/22 11:02	122.88	76.13	516.5	0.0	1842.8	0.00	6.00	0	1076
Run 1 Average	**123.36**	**75.86**	**508.39**	**0.00**	**1830.87**	**0.00**	**6.00**	**0.00**	**1080.67**
Run 2 Start - FO									
9/26/22 11:04	122.80	75.97	516.1	0.0	1841.0	0.00	6.00	0	1076
9/26/22 11:05	122.64	76.00	516.1	0.0	1840.5	0.00	6.00	0	1074
9/26/22 11:06	122.68	76.06	516.1	0.0	1840.8	0.00	6.00	0	1075
9/26/22 11:07	122.99	75.67	516.1	0.0	1840.3	0.00	6.00	0	1077
9/26/22 11:08	122.75	75.58	514.6	0.0	1840.8	0.00	6.00	0	1075
9/26/22 11:09	122.61	75.62	515.2	0.0	1841.8	0.00	6.00	0	1074
9/26/22 11:10	122.76	76.02	515.0	0.0	1842.3	0.00	6.00	0	1075
9/26/22 11:11	122.75	75.80	515.4	0.0	1842.7	0.00	6.00	0	1075
9/26/22 11:12	122.77	75.80	515.6	0.0	1843.5	0.00	6.00	0	1075
9/26/22 11:13	122.64	75.71	514.7	0.0	1843.7	0.00	6.00	0	1074
9/26/22 11:14	122.64	75.76	514.3	0.0	1841.7	0.00	6.00	0	1074
9/26/22 11:15	122.64	75.97	516.1	0.0	1845.5	0.00	6.00	0	1074
9/26/22 11:16	122.65	75.94	515.6	0.0	1844.1	0.00	6.00	0	1074
9/26/22 11:17	122.45	75.95	515.2	0.0	1843.3	0.00	6.00	0	1073
9/26/22 11:18	122.65	76.07	514.4	0.0	1842.7	0.00	6.00	0	1074
9/26/22 11:19	122.52	75.69	514.0	0.0	1842.1	0.00	6.00	0	1073
9/26/22 11:20	122.55	76.34	515.1	0.0	1844.2	0.00	6.00	0	1074
9/26/22 11:21	122.86	75.54	515.0	0.0	1843.3	0.00	6.00	0	1076
9/26/22 11:22	123.05	75.90	516.3	0.0	1846.4	0.00	6.00	0	1078
9/26/22 11:23	122.90	75.80	515.4	0.0	1843.2	0.00	6.00	0	1077
9/26/22 11:24	123.00	75.80	515.9	0.0	1844.6	0.00	6.00	0	1077
9/26/22 11:25	122.94	76.12	515.3	0.0	1844.0	0.00	6.00	0	1077
9/26/22 11:26	122.90	75.62	516.3	0.0	1846.1	0.00	6.00	0	1077
9/26/22 11:27	122.94	75.83	516.9	0.0	1846.2	0.00	6.00	0	1077
9/26/22 11:28	122.80	75.90	516.1	0.0	1845.4	0.00	6.00	0	1076
9/26/22 11:29	123.08	75.31	516.9	0.0	1846.6	0.00	6.00	0	1078
9/26/22 11:30	122.70	76.09	516.9	0.0	1845.5	0.00	6.00	0	1075
9/26/22 11:31	122.98	75.65	516.3	0.0	1845.7	0.00	6.00	0	1077
9/26/22 11:32	122.99	75.78	516.3	0.0	1845.2	0.00	6.00	0	1077
9/26/22 11:33	122.80	76.00	515.4	0.0	1845.1	0.00	6.00	0	1076
9/26/22 11:34	122.94	75.69	515.5	0.0	1845.8	0.00	6.00	0	1077
9/26/22 11:35	123.14	76.04	515.2	0.0	1845.5	0.00	6.00	0	1079
9/26/22 11:36	123.15	75.52	514.8	0.0	1843.9	0.00	6.00	0	1079
9/26/22 11:37	122.83	75.60	514.6	0.0	1843.7	0.00	6.00	0	1076
9/26/22 11:38	122.85	75.91	514.0	0.0	1843.2	0.00	6.00	0	1076
9/26/22 11:39	123.00	76.35	514.2	0.0	1844.2	0.00	6.00	0	1078
9/26/22 11:40	123.12	75.53	514.8	0.0	1845.2	0.00	6.00	0	1079
9/26/22 11:41	123.05	75.86	515.6	0.0	1846.7	0.00	6.00	0	1078
9/26/22 11:42	122.86	75.77	515.2	0.0	1845.6	0.00	6.00	0	1076
9/26/22 11:43	123.17	75.67	515.2	0.0	1845.4	0.00	6.00	0	1079
9/26/22 11:44	122.86	75.55	515.8	0.0	1846.1	0.00	6.00	0	1076
9/26/22 11:45	122.95	76.06	515.4	0.0	1846.2	0.00	6.00	0	1077
9/26/22 11:46	122.99	75.91	515.2	0.0	1845.3	0.00	6.00	0	1077
9/26/22 11:47	122.99	75.64	515.4	0.0	1845.9	0.00	6.00	0	1077
9/26/22 11:48	123.25	75.75	515.7	0.0	1846.3	0.00	6.00	0	1080

McI CT2 Process Data
Averaged Data PM-Metal

Date Time	Oil Supply gpm	Load MW	Exhaust Temp deg. C	Gas Flow 10scfm	Turbine Inlet Temp deg F.	Gas On	Oil On	Gas scfh	Total Heat Input MMBtu/hr
9/26/22 11:49	123.03	75.82	515.7	0.0	1846.7	0.00	6.00	0	1078
9/26/22 11:50	123.12	76.34	515.4	0.0	1845.4	0.00	6.00	0	1079
9/26/22 11:51	123.25	75.71	516.1	0.0	1847.8	0.00	6.00	0	1080
9/26/22 11:52	123.01	75.94	515.6	0.0	1846.1	0.00	6.00	0	1078
9/26/22 11:53	123.27	76.14	516.1	0.0	1847.5	0.00	6.00	0	1080
9/26/22 11:54	123.33	75.82	515.5	0.0	1846.1	0.00	6.00	0	1080
9/26/22 11:55	123.39	75.69	515.2	0.0	1845.1	0.00	6.00	0	1081
9/26/22 11:56	123.29	75.63	515.2	0.0	1845.4	0.00	6.00	0	1080
9/26/22 11:57	123.39	76.14	515.8	0.0	1846.4	0.00	6.00	0	1081
9/26/22 11:58	123.38	75.80	516.2	0.0	1847.0	0.00	6.00	0	1081
9/26/22 11:59	123.35	75.48	515.8	0.0	1846.7	0.00	6.00	0	1081
9/26/22 12:00	123.19	75.92	516.1	0.0	1847.6	0.00	6.00	0	1079
9/26/22 12:01	123.39	76.00	514.7	0.0	1844.5	0.00	6.00	0	1081
9/26/22 12:02	122.89	75.71	514.7	0.0	1844.5	0.00	6.00	0	1077
9/26/22 12:03	123.00	76.17	515.0	0.0	1844.9	0.00	6.00	0	1078
9/26/22 12:04	122.93	75.95	516.1	0.0	1846.7	0.00	6.00	0	1077
9/26/22 12:05	122.66	75.50	515.4	0.0	1845.2	0.00	6.00	0	1075
9/26/22 12:06	122.84	75.60	515.7	0.0	1847.6	0.00	6.00	0	1076
9/26/22 12:07	122.64	75.85	515.4	0.0	1846.3	0.00	6.00	0	1074
9/26/22 12:08	122.76	76.03	516.3	0.0	1847.6	0.00	6.00	0	1075
9/26/22 12:09	122.67	75.83	516.5	0.0	1848.0	0.00	6.00	0	1075
9/26/22 12:10	122.56	75.99	515.2	0.0	1845.8	0.00	6.00	0	1074
9/26/22 12:11	122.44	75.73	516.1	0.0	1847.5	0.00	6.00	0	1073
9/26/22 12:12	122.67	75.50	516.7	0.0	1849.1	0.00	6.00	0	1075
9/26/22 12:13	122.56	75.64	516.1	0.0	1847.4	0.00	6.00	0	1074
9/26/22 12:14	122.46	75.77	516.3	0.0	1847.3	0.00	6.00	0	1073
9/26/22 12:15	122.55	75.71	516.1	0.0	1847.1	0.00	6.00	0	1074
9/26/22 12:16	122.66	75.68	515.6	0.0	1846.6	0.00	6.00	0	1075
9/26/22 12:17	122.83	75.59	515.0	0.0	1845.4	0.00	6.00	0	1076
9/26/22 12:18	122.80	75.55	515.0	0.0	1845.3	0.00	6.00	0	1076
9/26/22 12:19	122.66	75.76	515.2	0.0	1845.5	0.00	6.00	0	1075
9/26/22 12:20	122.74	76.02	514.9	0.0	1845.2	0.00	6.00	0	1075
9/26/22 12:21	122.69	75.46	515.2	0.0	1846.3	0.00	6.00	0	1075
9/26/22 12:22	122.71	75.64	515.6	0.0	1846.5	0.00	6.00	0	1075
9/26/22 12:23	122.65	75.90	515.2	0.0	1846.0	0.00	6.00	0	1074
9/26/22 12:24	123.19	75.71	515.9	0.0	1847.6	0.00	6.00	0	1079
9/26/22 12:25	123.13	75.82	516.5	0.0	1848.6	0.00	6.00	0	1079
9/26/22 12:26	123.13	76.06	516.2	0.0	1847.9	0.00	6.00	0	1079
9/26/22 12:27	123.19	75.94	516.1	0.0	1847.7	0.00	6.00	0	1079
9/26/22 12:28	123.19	75.96	515.2	0.0	1845.4	0.00	6.00	0	1079
9/26/22 12:29	123.18	75.58	515.2	0.0	1845.7	0.00	6.00	0	1079
9/26/22 12:30	123.63	75.94	516.1	0.0	1847.9	0.00	6.00	0	1083
9/26/22 12:31	123.45	75.99	516.1	0.0	1847.9	0.00	6.00	0	1081
9/26/22 12:32	123.50	75.40	516.3	0.0	1848.3	0.00	6.00	0	1082
9/26/22 12:33	123.34	75.80	516.3	0.0	1847.9	0.00	6.00	0	1080
9/26/22 12:34	123.28	76.14	515.5	0.0	1847.1	0.00	6.00	0	1080
9/26/22 12:35	123.06	76.06	516.5	0.0	1848.3	0.00	6.00	0	1078
9/26/22 12:36	122.46	75.63	516.9	0.0	1849.5	0.00	6.00	0	1073
9/26/22 12:37	122.44	76.02	515.2	0.0	1846.5	0.00	6.00	0	1073
9/26/22 12:38	122.95	76.02	516.9	0.0	1849.5	0.00	6.00	0	1077
9/26/22 12:39	123.00	75.58	517.9	0.0	1851.1	0.00	6.00	0	1078
9/26/22 12:40	123.17	76.23	517.5	0.0	1850.6	0.00	6.00	0	1079
9/26/22 12:41	123.30	75.41	517.7	0.0	1850.7	0.00	6.00	0	1080
9/26/22 12:42	123.46	76.11	518.1	0.0	1852.0	0.00	6.00	0	1082
9/26/22 12:43	123.31	75.23	517.9	0.0	1851.6	0.00	6.00	0	1080
9/26/22 12:44	122.89	76.01	516.3	0.0	1847.9	0.00	6.00	0	1076
9/26/22 12:45	123.07	76.01	516.3	0.0	1848.0	0.00	6.00	0	1078
9/26/22 12:46	122.90	75.92	515.7	0.0	1846.5	0.00	6.00	0	1077
9/26/22 12:47	123.07	76.01	514.7	0.0	1845.1	0.00	6.00	0	1078
9/26/22 12:48	123.02	75.38	515.2	0.0	1846.7	0.00	6.00	0	1078
9/26/22 12:49	122.95	75.60	515.2	0.0	1845.7	0.00	6.00	0	1077
9/26/22 12:50	123.07	75.93	515.2	0.0	1845.8	0.00	6.00	0	1078
9/26/22 12:51	122.95	75.70	515.2	0.0	1845.5	0.00	6.00	0	1077
9/26/22 12:52	122.89	75.88	516.5	0.0	1849.2	0.00	6.00	0	1076
9/26/22 12:53	122.80	76.11	515.9	0.0	1847.3	0.00	6.00	0	1076
9/26/22 12:54	122.94	75.79	515.7	0.0	1847.1	0.00	6.00	0	1077
9/26/22 12:55	122.84	75.62	516.2	0.0	1848.7	0.00	6.00	0	1076
9/26/22 12:56	122.26	75.91	516.3	0.0	1848.5	0.00	6.00	0	1071
9/26/22 12:57	122.59	76.00	516.1	0.0	1848.0	0.00	6.00	0	1074

McI CT2 Process Data
Averaged Data PM-Metal

Date Time	Oil Supply gpm	Load MW	Exhaust Temp deg. C	Gas Flow 10scfm	Turbine Inlet Temp deg F.	Gas On	Oil On	Gas scfh	Total Heat Input MMBtu/hr
9/26/22 12:58	122.63	75.93	517.9	0.0	1852.6	0.00	6.00	0	1074
9/26/22 12:59	122.55	76.15	518.3	0.0	1852.2	0.00	6.00	0	1074
9/26/22 13:00	122.43	75.98	517.3	0.0	1851.0	0.00	6.00	0	1072
9/26/22 13:01	122.46	75.67	516.7	0.0	1849.3	0.00	6.00	0	1073
9/26/22 13:02	122.45	75.79	516.9	0.0	1849.9	0.00	6.00	0	1073
9/26/22 13:03	122.42	75.97	516.1	0.0	1847.3	0.00	6.00	0	1072
9/26/22 13:04	122.68	75.53	516.7	0.0	1849.8	0.00	6.00	0	1075
9/26/22 13:05	122.55	75.92	516.5	0.0	1849.0	0.00	6.00	0	1074
9/26/22 13:06	122.41	76.18	515.8	0.0	1847.2	0.00	6.00	0	1072
9/26/22 13:07	122.64	75.53	515.8	0.0	1847.8	0.00	6.00	0	1074
9/26/22 13:08	122.74	75.89	516.7	0.0	1850.1	0.00	6.00	0	1075
9/26/22 13:09	122.80	75.52	517.4	0.0	1851.1	0.00	6.00	0	1076
9/26/22 13:10	122.69	76.11	517.5	0.0	1851.3	0.00	6.00	0	1075
9/26/22 13:11	122.72	75.97	516.7	0.0	1849.8	0.00	6.00	0	1075
9/26/22 13:12	122.75	75.74	517.0	0.0	1850.2	0.00	6.00	0	1075
9/26/22 13:13	122.74	76.02	517.5	0.0	1851.2	0.00	6.00	0	1075
9/26/22 13:14	122.74	76.00	516.3	0.0	1848.6	0.00	6.00	0	1075
9/26/22 13:15	122.64	75.98	516.3	0.0	1848.9	0.00	6.00	0	1074
9/26/22 13:16	122.50	76.08	516.3	0.0	1848.4	0.00	6.00	0	1073
9/26/22 13:17	122.56	75.68	516.3	0.0	1848.8	0.00	6.00	0	1074
9/26/22 13:18	122.74	76.12	516.7	0.0	1849.5	0.00	6.00	0	1075
9/26/22 13:19	122.68	75.83	517.3	0.0	1850.8	0.00	6.00	0	1075
9/26/22 13:20	122.78	75.45	516.3	0.0	1848.1	0.00	6.00	0	1076
9/26/22 13:21	122.59	75.76	516.1	0.0	1847.6	0.00	6.00	0	1074
9/26/22 13:22	122.45	75.58	515.6	0.0	1847.3	0.00	6.00	0	1073
9/26/22 13:23	122.51	75.68	515.8	0.0	1847.3	0.00	6.00	0	1073
9/26/22 13:24	122.55	75.74	516.1	0.0	1847.5	0.00	6.00	0	1074
9/26/22 13:25	122.63	75.80	516.5	0.0	1849.4	0.00	6.00	0	1074
9/26/22 13:26	122.71	75.53	516.9	0.0	1850.2	0.00	6.00	0	1075
9/26/22 13:27	123.03	76.10	517.7	0.0	1851.1	0.00	6.00	0	1078
9/26/22 13:28	123.10	75.57	517.9	0.0	1853.3	0.00	6.00	0	1078
9/26/22 13:29	123.14	76.10	517.1	0.0	1849.8	0.00	6.00	0	1079
9/26/22 13:30	123.26	75.67	516.3	0.0	1849.1	0.00	6.00	0	1080
9/26/22 13:31	123.09	75.76	517.1	0.0	1849.9	0.00	6.00	0	1078
9/26/22 13:32	123.33	76.15	517.9	0.0	1852.7	0.00	6.00	0	1080
9/26/22 13:33	123.13	76.05	517.9	0.0	1851.9	0.00	6.00	0	1079
9/26/22 13:34	123.14	75.83	518.3	0.0	1851.9	0.00	6.00	0	1079
9/26/22 13:35	123.19	76.04	517.9	0.0	1852.3	0.00	6.00	0	1079
9/26/22 13:36	123.24	75.70	517.5	0.0	1850.5	0.00	6.00	0	1080
9/26/22 13:37	123.14	75.48	517.7	0.0	1851.6	0.00	6.00	0	1079
9/26/22 13:38	123.12	75.84	517.9	0.0	1852.3	0.00	6.00	0	1079
9/26/22 13:39	123.19	76.14	518.4	0.0	1852.4	0.00	6.00	0	1079
9/26/22 13:40	123.22	75.81	518.5	0.0	1853.2	0.00	6.00	0	1079
9/26/22 13:41	123.13	75.13	518.3	0.0	1852.3	0.00	6.00	0	1079
9/26/22 13:42	123.14	75.45	518.3	0.0	1852.9	0.00	6.00	0	1079
9/26/22 13:43	123.02	75.89	518.9	0.0	1853.7	0.00	6.00	0	1078
9/26/22 13:44	122.99	75.62	518.1	0.0	1852.4	0.00	6.00	0	1077
9/26/22 13:45	122.95	76.05	517.5	0.0	1851.0	0.00	6.00	0	1077
9/26/22 13:46	122.89	75.71	517.5	0.0	1850.4	0.00	6.00	0	1077
9/26/22 13:47	122.94	76.27	517.5	0.0	1850.4	0.00	6.00	0	1077
9/26/22 13:48	122.99	75.79	518.1	0.0	1852.0	0.00	6.00	0	1077
9/26/22 13:49	122.74	75.82	518.3	0.0	1852.3	0.00	6.00	0	1075
9/26/22 13:50	122.64	75.54	517.7	0.0	1851.3	0.00	6.00	0	1074
9/26/22 13:51	122.76	75.51	518.5	0.0	1853.2	0.00	6.00	0	1075
9/26/22 13:52	122.67	75.85	517.9	0.0	1851.8	0.00	6.00	0	1075
9/26/22 13:53	122.84	75.76	517.1	0.0	1850.2	0.00	6.00	0	1076
9/26/22 13:54	122.84	75.70	517.5	0.0	1851.4	0.00	6.00	0	1076
9/26/22 13:55	123.08	76.08	517.7	0.0	1850.8	0.00	6.00	0	1078
9/26/22 13:56	122.72	75.91	517.7	0.0	1851.4	0.00	6.00	0	1075
9/26/22 13:57	122.76	75.53	517.3	0.0	1849.9	0.00	6.00	0	1075
9/26/22 13:58	122.83	75.92	518.3	0.0	1852.1	0.00	6.00	0	1076
9/26/22 13:59	122.69	76.00	518.1	0.0	1852.0	0.00	6.00	0	1075
9/26/22 14:00	122.92	75.66	517.3	0.0	1850.2	0.00	6.00	0	1077
9/26/22 14:01	122.76	75.51	516.3	0.0	1849.3	0.00	6.00	0	1075
9/26/22 14:02	122.75	75.84	516.7	0.0	1849.8	0.00	6.00	0	1075
9/26/22 14:03	122.74	75.36	516.3	0.0	1848.9	0.00	6.00	0	1075
9/26/22 14:04	122.80	75.63	516.3	0.0	1848.9	0.00	6.00	0	1076
9/26/22 14:05	122.80	75.84	517.5	0.0	1851.1	0.00	6.00	0	1076
9/26/22 14:06	122.79	75.67	517.5	0.0	1851.1	0.00	6.00	0	1076

McI CT2 Process Data
Averaged Data PM-Metal

Date Time	Oil Supply gpm	Load MW	Exhaust Temp deg. C	Gas Flow 10scfm	Turbine Inlet Temp deg F.	Gas On	Oil On	Gas scfh	Total Heat Input MMBtu/hr
9/26/22 14:07	122.74	75.40	517.4	0.0	1850.8	0.00	6.00	0	1075
9/26/22 14:08	122.74	75.80	517.7	0.0	1852.1	0.00	6.00	0	1075
9/26/22 14:09	122.73	75.50	518.5	0.0	1853.7	0.00	6.00	0	1075
9/26/22 14:10	122.73	75.86	519.3	0.0	1855.1	0.00	6.00	0	1075
9/26/22 14:11	122.85	75.96	519.9	0.0	1856.1	0.00	6.00	0	1076
9/26/22 14:12	123.09	75.75	519.5	0.0	1855.7	0.00	6.00	0	1078
9/26/22 14:13	123.04	75.76	518.5	0.0	1853.2	0.00	6.00	0	1078
9/26/22 14:14	123.32	76.29	517.7	0.0	1851.8	0.00	6.00	0	1080
9/26/22 14:15	123.36	75.93	518.1	0.0	1852.4	0.00	6.00	0	1081
9/26/22 14:16	123.37	75.72	518.7	0.0	1854.3	0.00	6.00	0	1081
9/26/22 14:17	123.38	75.90	518.9	0.0	1854.1	0.00	6.00	0	1081
9/26/22 14:18	123.24	76.02	518.3	0.0	1853.0	0.00	6.00	0	1080
9/26/22 14:19	123.37	75.37	518.5	0.0	1854.0	0.00	6.00	0	1081
9/26/22 14:20	123.46	75.90	518.7	0.0	1853.9	0.00	6.00	0	1081
9/26/22 14:21	123.43	75.91	518.5	0.0	1853.0	0.00	6.00	0	1081
9/26/22 14:22	123.30	75.86	518.1	0.0	1852.8	0.00	6.00	0	1080
9/26/22 14:23	123.44	75.94	517.5	0.0	1851.9	0.00	6.00	0	1081
9/26/22 14:24	123.20	75.97	517.9	0.0	1852.4	0.00	6.00	0	1079
9/26/22 14:25	123.08	75.93	517.5	0.0	1851.2	0.00	6.00	0	1078
9/26/22 14:26	123.25	75.90	518.7	0.0	1854.7	0.00	6.00	0	1080
9/26/22 14:27	123.11	75.92	518.7	0.0	1853.4	0.00	6.00	0	1078
9/26/22 14:28	123.33	75.86	519.3	0.0	1855.6	0.00	6.00	0	1080
9/26/22 14:29	123.17	75.41	518.2	0.0	1852.8	0.00	6.00	0	1079
9/26/22 14:30	123.18	75.93	518.7	0.0	1854.2	0.00	6.00	0	1079
9/26/22 14:31	122.95	75.42	519.3	0.0	1855.2	0.00	6.00	0	1077
9/26/22 14:32	122.74	75.81	518.9	0.0	1854.2	0.00	6.00	0	1075
9/26/22 14:33	122.88	75.64	518.7	0.0	1853.7	0.00	6.00	0	1076
9/26/22 14:34	122.94	75.68	518.7	0.0	1853.8	0.00	6.00	0	1077
9/26/22 14:35	122.69	76.38	519.5	0.0	1856.0	0.00	6.00	0	1075
9/26/22 14:36	122.70	75.73	518.9	0.0	1854.1	0.00	6.00	0	1075
9/26/22 14:37	122.64	75.51	518.7	0.0	1854.2	0.00	6.00	0	1074
9/26/22 14:38	122.66	76.07	519.5	0.0	1855.7	0.00	6.00	0	1074
Run 2 Average	**122.91**	**75.81**	**516.63**	**0.00**	**1848.59**	**0.00**	**6.00**	**0.00**	**1076.72**
Run 3 Start - FO									
9/27/22 07:42	123.50	75.60	490.6	0.0	1791.2	0.00	6.00	0	1082
9/27/22 07:43	123.52	75.95	490.6	0.0	1791.9	0.00	6.00	0	1082
9/27/22 07:44	123.69	75.71	490.4	0.0	1791.2	0.00	6.00	0	1084
9/27/22 07:45	123.24	75.64	489.6	0.0	1791.2	0.00	6.00	0	1080
9/27/22 07:46	123.24	76.00	490.4	0.0	1791.0	0.00	6.00	0	1080
9/27/22 07:47	123.05	75.89	490.2	0.0	1790.7	0.00	6.00	0	1078
9/27/22 07:48	123.29	75.75	490.4	0.0	1790.3	0.00	6.00	0	1080
9/27/22 07:49	123.33	75.85	490.7	0.0	1790.4	0.00	6.00	0	1080
9/27/22 07:50	123.38	75.75	490.4	0.0	1790.0	0.00	6.00	0	1081
9/27/22 07:51	123.36	76.20	489.8	0.0	1790.9	0.00	6.00	0	1081
9/27/22 07:52	123.27	76.10	489.6	0.0	1790.0	0.00	6.00	0	1080
9/27/22 07:53	123.19	75.53	490.4	0.0	1790.7	0.00	6.00	0	1079
9/27/22 07:54	123.19	75.71	489.6	0.0	1789.1	0.00	6.00	0	1079
9/27/22 07:55	123.30	75.60	489.6	0.0	1790.3	0.00	6.00	0	1080
9/27/22 07:56	123.33	75.98	489.4	0.0	1789.8	0.00	6.00	0	1080
9/27/22 07:57	123.20	75.82	490.0	0.0	1790.3	0.00	6.00	0	1079
9/27/22 07:58	123.16	75.85	489.7	0.0	1789.4	0.00	6.00	0	1079
9/27/22 07:59	122.78	75.58	490.0	0.0	1790.1	0.00	6.00	0	1076
9/27/22 08:00	122.95	75.95	490.4	0.0	1790.4	0.00	6.00	0	1077
9/27/22 08:01	122.99	75.83	490.8	0.0	1789.8	0.00	6.00	0	1077
9/27/22 08:02	122.84	75.42	490.6	0.0	1789.5	0.00	6.00	0	1076
9/27/22 08:03	122.69	75.74	488.4	0.0	1789.4	0.00	6.00	0	1075
9/27/22 08:04	122.95	75.87	489.3	0.0	1789.7	0.00	6.00	0	1077
9/27/22 08:05	123.02	75.99	489.3	0.0	1788.9	0.00	6.00	0	1078
9/27/22 08:06	122.76	75.99	490.0	0.0	1788.9	0.00	6.00	0	1075
9/27/22 08:07	122.76	75.71	490.0	0.0	1789.2	0.00	6.00	0	1075
9/27/22 08:08	122.72	75.83	490.7	0.0	1790.0	0.00	6.00	0	1075
9/27/22 08:09	123.03	75.77	490.2	0.0	1789.7	0.00	6.00	0	1078
9/27/22 08:10	123.09	76.00	489.3	0.0	1789.4	0.00	6.00	0	1078
9/27/22 08:11	123.10	75.48	490.2	0.0	1790.7	0.00	6.00	0	1078
9/27/22 08:12	123.05	75.50	490.4	0.0	1790.7	0.00	6.00	0	1078
9/27/22 08:13	122.93	75.52	489.8	0.0	1790.9	0.00	6.00	0	1077
9/27/22 08:14	122.99	76.04	491.4	0.0	1790.7	0.00	6.00	0	1077
9/27/22 08:15	122.94	75.77	491.0	0.0	1790.7	0.00	6.00	0	1077

McI CT2 Process Data
Averaged Data PM-Metal

Date Time	Oil Supply gpm	Load MW	Exhaust Temp deg. C	Gas Flow 10scfm	Turbine Inlet Temp deg F.	Gas On	Oil On	Gas scfh	Total Heat Input MMBtu/hr
9/27/22 08:16	122.86	75.65	490.6	0.0	1790.6	0.00	6.00	0	1076
9/27/22 08:17	122.74	75.34	490.4	0.0	1791.2	0.00	6.00	0	1075
9/27/22 08:18	122.84	75.85	490.4	0.0	1791.0	0.00	6.00	0	1076
9/27/22 08:19	123.00	75.63	490.2	0.0	1790.4	0.00	6.00	0	1077
9/27/22 08:20	123.10	75.78	489.2	0.0	1790.6	0.00	6.00	0	1078
9/27/22 08:21	122.72	76.05	489.6	0.0	1791.0	0.00	6.00	0	1075
9/27/22 08:22	122.69	75.70	490.6	0.0	1791.9	0.00	6.00	0	1075
9/27/22 08:23	122.55	75.65	490.8	0.0	1792.6	0.00	6.00	0	1074
9/27/22 08:24	122.47	75.18	491.6	0.0	1793.0	0.00	6.00	0	1073
9/27/22 08:25	122.17	76.13	491.6	0.0	1792.0	0.00	6.00	0	1070
9/27/22 08:26	122.05	75.47	491.8	0.0	1792.5	0.00	6.00	0	1069
9/27/22 08:27	122.16	75.62	491.4	0.0	1792.0	0.00	6.00	0	1070
9/27/22 08:28	122.28	75.88	490.4	0.0	1791.4	0.00	6.00	0	1071
9/27/22 08:29	122.28	76.26	490.8	0.0	1792.7	0.00	6.00	0	1071
9/27/22 08:30	122.18	75.74	490.4	0.0	1792.3	0.00	6.00	0	1070
9/27/22 08:31	122.31	75.61	490.4	0.0	1792.5	0.00	6.00	0	1071
9/27/22 08:32	122.51	75.23	490.5	0.0	1792.9	0.00	6.00	0	1073
9/27/22 08:33	122.45	75.60	489.3	0.0	1792.2	0.00	6.00	0	1073
9/27/22 08:34	122.75	75.93	489.8	0.0	1791.7	0.00	6.00	0	1075
9/27/22 08:35	122.73	75.98	489.6	0.0	1792.5	0.00	6.00	0	1075
9/27/22 08:36	122.69	75.82	491.4	0.0	1792.3	0.00	6.00	0	1075
9/27/22 08:37	122.13	75.65	489.3	0.0	1792.5	0.00	6.00	0	1070
9/27/22 08:38	122.26	76.03	490.2	0.0	1793.4	0.00	6.00	0	1071
9/27/22 08:39	122.22	75.49	489.2	0.0	1794.1	0.00	6.00	0	1071
9/27/22 08:40	122.12	75.77	489.6	0.0	1793.8	0.00	6.00	0	1070
9/27/22 08:41	121.98	75.98	490.4	0.0	1795.0	0.00	6.00	0	1069
9/27/22 08:42	121.87	76.04	491.1	0.0	1794.7	0.00	6.00	0	1068
9/27/22 08:43	121.72	76.29	491.0	0.0	1794.4	0.00	6.00	0	1066
9/27/22 08:44	122.12	76.08	491.0	0.0	1794.0	0.00	6.00	0	1070
9/27/22 08:45	122.23	75.91	492.2	0.0	1795.0	0.00	6.00	0	1071
9/27/22 08:46	122.28	76.02	493.3	0.0	1794.9	0.00	6.00	0	1071
9/27/22 08:47	122.42	75.60	492.8	0.0	1793.7	0.00	6.00	0	1072
9/27/22 08:48	122.53	75.57	493.1	0.0	1794.6	0.00	6.00	0	1073
9/27/22 08:49	122.79	75.69	493.3	0.0	1794.7	0.00	6.00	0	1076
9/27/22 08:50	122.86	75.78	494.1	0.0	1795.3	0.00	6.00	0	1076
9/27/22 08:51	122.67	75.79	493.4	0.0	1796.0	0.00	6.00	0	1075
9/27/22 08:52	122.05	75.65	492.7	0.0	1796.4	0.00	6.00	0	1069
9/27/22 08:53	121.97	76.00	493.9	0.0	1796.0	0.00	6.00	0	1068
9/27/22 08:54	122.08	75.89	493.5	0.0	1796.4	0.00	6.00	0	1069
9/27/22 08:55	122.26	75.88	493.5	0.0	1796.4	0.00	6.00	0	1071
9/27/22 08:56	122.37	75.83	493.7	0.0	1795.9	0.00	6.00	0	1072
9/27/22 08:57	122.29	75.74	493.5	0.0	1797.0	0.00	6.00	0	1071
9/27/22 08:58	122.28	75.52	494.1	0.0	1796.5	0.00	6.00	0	1071
9/27/22 08:59	122.33	75.81	493.9	0.0	1796.2	0.00	6.00	0	1072
9/27/22 09:00	121.97	75.79	493.9	0.0	1796.0	0.00	6.00	0	1068
9/27/22 09:01	122.21	75.75	494.5	0.0	1797.0	0.00	6.00	0	1071
9/27/22 09:02	122.03	75.77	493.9	0.0	1795.3	0.00	6.00	0	1069
9/27/22 09:03	122.11	75.73	493.1	0.0	1795.3	0.00	6.00	0	1070
9/27/22 09:04	121.97	76.21	494.4	0.0	1796.5	0.00	6.00	0	1068
9/27/22 09:05	122.21	75.70	494.9	0.0	1796.7	0.00	6.00	0	1071
9/27/22 09:06	122.17	75.94	494.5	0.0	1797.8	0.00	6.00	0	1070
9/27/22 09:07	122.27	75.84	494.6	0.0	1798.1	0.00	6.00	0	1071
9/27/22 09:08	122.13	76.05	493.3	0.0	1796.9	0.00	6.00	0	1070
9/27/22 09:09	122.26	75.91	494.6	0.0	1797.5	0.00	6.00	0	1071
9/27/22 09:10	122.12	75.61	494.5	0.0	1796.7	0.00	6.00	0	1070
9/27/22 09:11	121.73	75.57	493.3	0.0	1795.6	0.00	6.00	0	1066
9/27/22 09:12	121.98	75.82	493.9	0.0	1796.6	0.00	6.00	0	1069
9/27/22 09:13	122.22	76.02	493.7	0.0	1796.9	0.00	6.00	0	1071
9/27/22 09:14	122.27	75.93	493.8	0.0	1797.8	0.00	6.00	0	1071
9/27/22 09:15	121.97	75.79	493.2	0.0	1797.9	0.00	6.00	0	1068
9/27/22 09:16	121.93	75.52	493.2	0.0	1796.9	0.00	6.00	0	1068
9/27/22 09:17	122.00	75.86	493.3	0.0	1796.4	0.00	6.00	0	1069
9/27/22 09:18	121.87	76.14	492.7	0.0	1796.5	0.00	6.00	0	1068
9/27/22 09:19	121.89	76.21	493.7	0.0	1797.5	0.00	6.00	0	1068
9/27/22 09:20	121.95	76.17	493.7	0.0	1797.2	0.00	6.00	0	1068
9/27/22 09:21	122.00	75.76	493.4	0.0	1796.9	0.00	6.00	0	1069
9/27/22 09:22	121.96	75.87	494.1	0.0	1798.1	0.00	6.00	0	1068
9/27/22 09:23	121.93	76.00	494.3	0.0	1798.7	0.00	6.00	0	1068
9/27/22 09:24	121.98	76.11	495.3	0.0	1799.3	0.00	6.00	0	1069

McI CT2 Process Data
Averaged Data PM-Metal

Date Time	Oil Supply gpm	Load MW	Exhaust Temp deg. C	Gas Flow 10scfm	Turbine Inlet Temp deg F.	Gas On	Oil On	Gas scfh	Total Heat Input MMBtu/hr
9/27/22 09:25	122.05	75.71	495.1	0.0	1797.8	0.00	6.00	0	1069
9/27/22 09:26	121.81	75.48	495.5	0.0	1799.1	0.00	6.00	0	1067
9/27/22 09:27	122.01	75.77	494.7	0.0	1798.0	0.00	6.00	0	1069
9/27/22 09:28	121.89	76.09	496.3	0.0	1799.0	0.00	6.00	0	1068
9/27/22 09:29	122.06	76.22	496.1	0.0	1798.3	0.00	6.00	0	1069
9/27/22 09:30	121.91	75.87	496.7	0.0	1799.4	0.00	6.00	0	1068
9/27/22 09:31	121.90	76.06	498.1	0.0	1800.2	0.00	6.00	0	1068
9/27/22 09:32	121.88	75.87	497.0	0.0	1797.8	0.00	6.00	0	1068
9/27/22 09:33	121.98	75.83	495.7	0.0	1798.2	0.00	6.00	0	1069
9/27/22 09:34	122.36	75.29	496.1	0.0	1799.0	0.00	6.00	0	1072
9/27/22 09:35	122.41	75.77	496.9	0.0	1801.0	0.00	6.00	0	1072
9/27/22 09:36	122.56	75.88	497.1	0.0	1800.8	0.00	6.00	0	1074
9/27/22 09:37	122.66	75.97	497.1	0.0	1800.0	0.00	6.00	0	1075
9/27/22 09:38	122.60	75.82	497.6	0.0	1801.3	0.00	6.00	0	1074
9/27/22 09:39	122.94	76.47	497.4	0.0	1803.4	0.00	6.00	0	1077
9/27/22 09:40	122.70	76.09	496.9	0.0	1801.5	0.00	6.00	0	1075
9/27/22 09:41	122.27	75.81	497.8	0.0	1800.8	0.00	6.00	0	1071
9/27/22 09:42	122.30	75.74	497.5	0.0	1800.7	0.00	6.00	0	1071
9/27/22 09:43	122.55	76.03	497.1	0.0	1800.3	0.00	6.00	0	1074
9/27/22 09:44	122.70	75.69	497.5	0.0	1801.6	0.00	6.00	0	1075
9/27/22 09:45	122.50	75.80	496.8	0.0	1801.5	0.00	6.00	0	1073
9/27/22 09:46	122.33	76.01	497.5	0.0	1802.9	0.00	6.00	0	1072
9/27/22 09:47	122.40	75.80	498.7	0.0	1803.5	0.00	6.00	0	1072
9/27/22 09:48	122.67	75.75	499.3	0.0	1803.2	0.00	6.00	0	1075
9/27/22 09:49	122.84	75.72	498.1	0.0	1803.2	0.00	6.00	0	1076
9/27/22 09:50	122.70	75.71	497.5	0.0	1803.2	0.00	6.00	0	1075
9/27/22 09:51	122.30	76.14	498.2	0.0	1802.5	0.00	6.00	0	1071
9/27/22 09:52	122.78	75.60	499.6	0.0	1803.6	0.00	6.00	0	1076
9/27/22 09:53	122.71	76.03	497.6	0.0	1804.1	0.00	6.00	0	1075
9/27/22 09:54	122.38	76.02	498.1	0.0	1803.0	0.00	6.00	0	1072
9/27/22 09:55	122.45	75.56	496.7	0.0	1803.6	0.00	6.00	0	1073
9/27/22 09:56	122.78	75.44	496.3	0.0	1803.5	0.00	6.00	0	1076
9/27/22 09:57	122.63	75.88	496.7	0.0	1804.3	0.00	6.00	0	1074
9/27/22 09:58	122.42	75.65	496.9	0.0	1804.8	0.00	6.00	0	1072
9/27/22 09:59	122.72	76.05	497.6	0.0	1807.2	0.00	6.00	0	1075
9/27/22 10:00	122.61	75.69	497.7	0.0	1804.7	0.00	6.00	0	1074
9/27/22 10:01	122.60	76.53	496.9	0.0	1804.4	0.00	6.00	0	1074
9/27/22 10:02	122.76	75.95	498.2	0.0	1806.5	0.00	6.00	0	1075
9/27/22 10:03	122.61	75.66	497.9	0.0	1805.6	0.00	6.00	0	1074
9/27/22 10:04	122.60	76.14	498.3	0.0	1804.9	0.00	6.00	0	1074
9/27/22 10:05	122.41	75.74	498.5	0.0	1807.3	0.00	6.00	0	1072
9/27/22 10:06	122.41	75.92	499.0	0.0	1809.3	0.00	6.00	0	1072
9/27/22 10:07	122.75	75.70	498.4	0.0	1809.3	0.00	6.00	0	1075
9/27/22 10:08	122.42	75.57	498.5	0.0	1810.4	0.00	6.00	0	1072
9/27/22 10:09	122.55	76.24	498.8	0.0	1809.8	0.00	6.00	0	1074
9/27/22 10:10	122.30	75.59	497.3	0.0	1806.9	0.00	6.00	0	1071
9/27/22 10:11	122.22	75.99	496.6	0.0	1806.2	0.00	6.00	0	1071
9/27/22 10:12	122.25	75.64	497.3	0.0	1807.6	0.00	6.00	0	1071
9/27/22 10:13	122.23	75.80	497.5	0.0	1807.9	0.00	6.00	0	1071
9/27/22 10:14	122.25	75.91	498.4	0.0	1807.6	0.00	6.00	0	1071
Run 3 Average	**122.51**	**75.82**	**493.50**	**0.00**	**1796.54**	**0.00**	**6.00**	**0.00**	**1073.15**
Run 4 Start - FO									
9/27/22 10:15	122.15	75.69	497.5	0.0	1808.1	0.00	6.00	0	1070
9/27/22 10:16	122.03	76.09	497.4	0.0	1806.0	0.00	6.00	0	1069
9/27/22 10:17	122.15	75.95	498.3	0.0	1807.3	0.00	6.00	0	1070
9/27/22 10:18	122.03	75.75	498.3	0.0	1807.3	0.00	6.00	0	1069
9/27/22 10:19	122.29	76.02	497.9	0.0	1807.5	0.00	6.00	0	1071
9/27/22 10:20	122.29	75.80	497.3	0.0	1807.5	0.00	6.00	0	1071
9/27/22 10:21	122.24	76.15	498.3	0.0	1807.9	0.00	6.00	0	1071
9/27/22 10:22	122.02	76.09	498.5	0.0	1807.9	0.00	6.00	0	1069
9/27/22 10:23	122.25	75.76	499.6	0.0	1809.8	0.00	6.00	0	1071
9/27/22 10:24	122.19	75.88	499.1	0.0	1808.1	0.00	6.00	0	1070
9/27/22 10:25	122.19	76.00	498.7	0.0	1809.0	0.00	6.00	0	1070
9/27/22 10:26	122.26	75.97	497.7	0.0	1808.2	0.00	6.00	0	1071
9/27/22 10:27	122.22	76.11	498.3	0.0	1808.5	0.00	6.00	0	1071
9/27/22 10:28	122.13	76.16	498.1	0.0	1808.5	0.00	6.00	0	1070
9/27/22 10:29	122.08	75.76	498.5	0.0	1807.8	0.00	6.00	0	1069
9/27/22 10:30	121.98	75.48	497.9	0.0	1808.1	0.00	6.00	0	1069

McI CT2 Process Data
Averaged Data PM-Metal

Date Time	Oil Supply gpm	Load MW	Exhaust Temp deg. C	Gas Flow 10scfm	Turbine Inlet Temp deg F.	Gas On	Oil On	Gas scfh	Total Heat Input MMBtu/hr
9/27/22 10:31	122.12	75.69	498.4	0.0	1808.8	0.00	6.00	0	1070
9/27/22 10:32	122.07	75.74	498.5	0.0	1808.5	0.00	6.00	0	1069
9/27/22 10:33	122.08	75.53	499.4	0.0	1810.9	0.00	6.00	0	1069
9/27/22 10:34	122.22	75.52	499.2	0.0	1811.4	0.00	6.00	0	1071
9/27/22 10:35	122.03	76.02	498.3	0.0	1811.2	0.00	6.00	0	1069
9/27/22 10:36	122.20	75.24	497.8	0.0	1809.0	0.00	6.00	0	1071
9/27/22 10:37	122.08	76.03	498.4	0.0	1807.9	0.00	6.00	0	1069
9/27/22 10:38	122.08	75.97	499.4	0.0	1809.4	0.00	6.00	0	1069
9/27/22 10:39	121.83	75.96	499.6	0.0	1809.7	0.00	6.00	0	1067
9/27/22 10:40	121.73	75.68	498.9	0.0	1809.4	0.00	6.00	0	1066
9/27/22 10:41	121.79	76.14	498.9	0.0	1810.0	0.00	6.00	0	1067
9/27/22 10:42	121.74	75.83	499.0	0.0	1809.5	0.00	6.00	0	1066
9/27/22 10:43	122.05	75.68	499.6	0.0	1810.6	0.00	6.00	0	1069
9/27/22 10:44	122.42	75.66	500.2	0.0	1811.7	0.00	6.00	0	1072
9/27/22 10:45	122.30	75.80	500.8	0.0	1812.0	0.00	6.00	0	1071
9/27/22 10:46	122.41	75.89	499.6	0.0	1809.8	0.00	6.00	0	1072
9/27/22 10:47	122.39	76.14	499.6	0.0	1810.1	0.00	6.00	0	1072
9/27/22 10:48	122.13	76.00	499.6	0.0	1811.3	0.00	6.00	0	1070
9/27/22 10:49	122.14	75.77	498.7	0.0	1809.1	0.00	6.00	0	1070
9/27/22 10:50	122.09	75.50	498.1	0.0	1808.8	0.00	6.00	0	1070
9/27/22 10:51	122.04	76.18	497.3	0.0	1809.0	0.00	6.00	0	1069
9/27/22 10:52	122.33	75.92	497.9	0.0	1811.3	0.00	6.00	0	1072
9/27/22 10:53	122.20	75.89	497.9	0.0	1810.1	0.00	6.00	0	1071
9/27/22 10:54	122.34	76.00	497.1	0.0	1807.9	0.00	6.00	0	1072
9/27/22 10:55	122.31	75.67	498.5	0.0	1809.5	0.00	6.00	0	1071
9/27/22 10:56	122.41	75.82	499.5	0.0	1810.7	0.00	6.00	0	1072
9/27/22 10:57	122.03	75.99	498.7	0.0	1809.8	0.00	6.00	0	1069
9/27/22 10:58	122.36	75.66	499.9	0.0	1810.8	0.00	6.00	0	1072
9/27/22 10:59	122.03	75.98	499.4	0.0	1809.8	0.00	6.00	0	1069
9/27/22 11:00	122.07	75.80	498.5	0.0	1810.3	0.00	6.00	0	1069
9/27/22 11:01	122.03	75.77	497.8	0.0	1810.6	0.00	6.00	0	1069
9/27/22 11:02	122.50	75.70	497.9	0.0	1811.6	0.00	6.00	0	1073
9/27/22 11:03	122.50	75.30	497.4	0.0	1811.6	0.00	6.00	0	1073
9/27/22 11:04	122.28	75.88	498.3	0.0	1812.8	0.00	6.00	0	1071
9/27/22 11:05	122.46	76.17	498.2	0.0	1811.9	0.00	6.00	0	1073
9/27/22 11:06	122.27	75.49	498.0	0.0	1810.7	0.00	6.00	0	1071
9/27/22 11:07	122.13	75.89	498.9	0.0	1813.5	0.00	6.00	0	1070
9/27/22 11:08	122.03	75.98	499.1	0.0	1814.4	0.00	6.00	0	1069
9/27/22 11:09	122.11	75.58	497.4	0.0	1810.4	0.00	6.00	0	1070
9/27/22 11:10	122.31	75.75	498.9	0.0	1813.8	0.00	6.00	0	1071
9/27/22 11:11	122.48	75.93	498.5	0.0	1813.1	0.00	6.00	0	1073
9/27/22 11:12	122.52	75.18	497.9	0.0	1810.6	0.00	6.00	0	1073
9/27/22 11:13	122.58	75.80	499.1	0.0	1813.5	0.00	6.00	0	1074
9/27/22 11:14	122.58	76.36	499.4	0.0	1813.5	0.00	6.00	0	1074
9/27/22 11:15	122.45	75.53	498.1	0.0	1811.0	0.00	6.00	0	1073
9/27/22 11:16	122.42	76.10	500.3	0.0	1812.0	0.00	6.00	0	1072
9/27/22 11:17	122.06	75.87	501.9	0.0	1813.4	0.00	6.00	0	1069
9/27/22 11:18	122.28	75.75	502.0	0.0	1811.7	0.00	6.00	0	1071
9/27/22 11:19	121.92	75.87	502.4	0.0	1812.8	0.00	6.00	0	1068
9/27/22 11:20	121.95	75.56	502.2	0.0	1812.5	0.00	6.00	0	1068
9/27/22 11:21	121.73	76.19	501.8	0.0	1811.3	0.00	6.00	0	1066
9/27/22 11:22	121.69	76.04	501.4	0.0	1812.2	0.00	6.00	0	1066
9/27/22 11:23	122.01	75.81	502.0	0.0	1812.3	0.00	6.00	0	1069
9/27/22 11:24	121.82	75.91	502.2	0.0	1811.7	0.00	6.00	0	1067
9/27/22 11:25	122.12	76.03	502.0	0.0	1811.9	0.00	6.00	0	1070
9/27/22 11:26	122.27	75.13	502.4	0.0	1812.2	0.00	6.00	0	1071
9/27/22 11:27	122.22	75.56	502.9	0.0	1813.2	0.00	6.00	0	1071
9/27/22 11:28	122.41	75.86	503.3	0.0	1813.2	0.00	6.00	0	1072
9/27/22 11:29	122.45	75.20	503.4	0.0	1814.5	0.00	6.00	0	1073
9/27/22 11:30	122.55	75.76	503.6	0.0	1813.9	0.00	6.00	0	1074
9/27/22 11:31	122.51	76.00	502.8	0.0	1813.8	0.00	6.00	0	1073
9/27/22 11:32	122.50	75.91	502.6	0.0	1813.6	0.00	6.00	0	1073
9/27/22 11:33	122.58	75.36	502.8	0.0	1813.2	0.00	6.00	0	1074
9/27/22 11:34	122.56	75.96	503.6	0.0	1814.2	0.00	6.00	0	1074
9/27/22 11:35	122.16	75.70	504.3	0.0	1815.0	0.00	6.00	0	1070
9/27/22 11:36	122.07	75.93	503.4	0.0	1813.6	0.00	6.00	0	1069
9/27/22 11:37	121.98	75.68	503.8	0.0	1814.1	0.00	6.00	0	1069
9/27/22 11:38	122.08	75.45	504.2	0.0	1814.8	0.00	6.00	0	1069
9/27/22 11:39	122.14	75.41	504.0	0.0	1814.2	0.00	6.00	0	1070

McI CT2 Process Data
Averaged Data PM-Metal

Date Time	Oil Supply gpm	Load MW	Exhaust Temp deg. C	Gas Flow 10scfm	Turbine Inlet Temp deg F.	Gas On	Oil On	Gas scfh	Total Heat Input MMBtu/hr
9/27/22 11:40	122.49	75.81	503.7	0.0	1814.8	0.00	6.00	0	1073
9/27/22 11:41	122.52	76.03	503.7	0.0	1815.4	0.00	6.00	0	1073
9/27/22 11:42	122.44	75.98	503.6	0.0	1814.4	0.00	6.00	0	1073
9/27/22 11:43	122.52	75.81	502.8	0.0	1813.4	0.00	6.00	0	1073
9/27/22 11:44	122.88	75.73	503.3	0.0	1814.2	0.00	6.00	0	1076
9/27/22 11:45	122.82	75.60	503.2	0.0	1814.4	0.00	6.00	0	1076
9/27/22 11:46	122.91	76.03	504.3	0.0	1816.6	0.00	6.00	0	1077
9/27/22 11:47	123.09	76.47	503.7	0.0	1815.4	0.00	6.00	0	1078
9/27/22 11:48	122.68	76.00	503.7	0.0	1815.0	0.00	6.00	0	1075
9/27/22 11:49	122.70	75.58	503.4	0.0	1814.4	0.00	6.00	0	1075
9/27/22 11:50	122.86	75.94	503.4	0.0	1814.8	0.00	6.00	0	1076
9/27/22 11:51	123.09	75.77	503.5	0.0	1815.4	0.00	6.00	0	1078
9/27/22 11:52	122.84	75.93	503.3	0.0	1814.8	0.00	6.00	0	1076
9/27/22 11:53	122.84	75.40	504.0	0.0	1816.6	0.00	6.00	0	1076
9/27/22 11:54	122.66	76.03	503.8	0.0	1816.6	0.00	6.00	0	1075
9/27/22 11:55	122.65	76.10	502.5	0.0	1815.4	0.00	6.00	0	1074
9/27/22 11:56	123.00	76.03	503.5	0.0	1817.6	0.00	6.00	0	1078
9/27/22 11:57	122.80	75.93	503.3	0.0	1815.1	0.00	6.00	0	1076
9/27/22 11:58	122.55	75.62	503.6	0.0	1814.8	0.00	6.00	0	1074
9/27/22 11:59	122.55	75.93	504.4	0.0	1816.9	0.00	6.00	0	1074
9/27/22 12:00	122.56	75.98	503.9	0.0	1817.0	0.00	6.00	0	1074
9/27/22 12:01	122.45	75.85	504.8	0.0	1817.5	0.00	6.00	0	1073
9/27/22 12:02	122.60	75.77	504.3	0.0	1816.7	0.00	6.00	0	1074
9/27/22 12:03	122.49	75.48	505.0	0.0	1818.0	0.00	6.00	0	1073
9/27/22 12:04	122.36	75.72	504.8	0.0	1817.2	0.00	6.00	0	1072
9/27/22 12:05	122.34	75.52	504.6	0.0	1816.1	0.00	6.00	0	1072
9/27/22 12:06	122.56	76.03	503.6	0.0	1816.7	0.00	6.00	0	1074
9/27/22 12:07	122.50	75.59	504.5	0.0	1818.3	0.00	6.00	0	1073
9/27/22 12:08	122.53	76.22	504.3	0.0	1816.6	0.00	6.00	0	1073
9/27/22 12:09	122.35	75.80	504.7	0.0	1817.6	0.00	6.00	0	1072
9/27/22 12:10	122.17	75.74	505.3	0.0	1817.4	0.00	6.00	0	1070
9/27/22 12:11	122.37	75.93	504.5	0.0	1816.3	0.00	6.00	0	1072
9/27/22 12:12	122.08	76.14	504.7	0.0	1816.9	0.00	6.00	0	1069
9/27/22 12:13	122.05	76.11	504.5	0.0	1815.8	0.00	6.00	0	1069
9/27/22 12:14	122.20	76.11	504.8	0.0	1817.0	0.00	6.00	0	1070
9/27/22 12:15	122.17	75.71	504.4	0.0	1816.6	0.00	6.00	0	1070
9/27/22 12:16	121.94	75.54	504.5	0.0	1816.6	0.00	6.00	0	1068
9/27/22 12:17	121.89	76.03	504.5	0.0	1816.9	0.00	6.00	0	1068
9/27/22 12:18	121.89	76.29	505.3	0.0	1818.1	0.00	6.00	0	1068
9/27/22 12:19	122.06	75.71	504.9	0.0	1817.9	0.00	6.00	0	1069
9/27/22 12:20	122.41	76.08	506.0	0.0	1819.1	0.00	6.00	0	1072
9/27/22 12:21	122.27	75.64	505.7	0.0	1818.5	0.00	6.00	0	1071
9/27/22 12:22	122.32	75.81	505.4	0.0	1817.3	0.00	6.00	0	1072
9/27/22 12:23	122.31	76.07	506.3	0.0	1819.2	0.00	6.00	0	1071
9/27/22 12:24	122.32	75.99	506.0	0.0	1819.1	0.00	6.00	0	1072
9/27/22 12:25	121.97	76.21	505.1	0.0	1816.9	0.00	6.00	0	1068
9/27/22 12:26	121.92	75.86	505.3	0.0	1818.6	0.00	6.00	0	1068
9/27/22 12:27	122.03	75.99	505.9	0.0	1819.4	0.00	6.00	0	1069
9/27/22 12:28	122.16	76.24	506.8	0.0	1820.8	0.00	6.00	0	1070
9/27/22 12:29	122.03	75.61	506.3	0.0	1821.1	0.00	6.00	0	1069
9/27/22 12:30	122.07	75.66	505.4	0.0	1818.5	0.00	6.00	0	1069
9/27/22 12:31	122.32	75.89	505.9	0.0	1818.8	0.00	6.00	0	1072
9/27/22 12:32	122.52	76.20	506.0	0.0	1819.8	0.00	6.00	0	1073
9/27/22 12:33	122.60	76.08	506.5	0.0	1820.5	0.00	6.00	0	1074
9/27/22 12:34	122.22	75.77	505.8	0.0	1819.5	0.00	6.00	0	1071
9/27/22 12:35	122.23	75.98	506.5	0.0	1820.5	0.00	6.00	0	1071
9/27/22 12:36	122.00	75.87	505.8	0.0	1818.9	0.00	6.00	0	1069
9/27/22 12:37	122.08	76.29	506.2	0.0	1820.2	0.00	6.00	0	1069
9/27/22 12:38	122.22	75.86	505.8	0.0	1818.6	0.00	6.00	0	1071
9/27/22 12:39	122.06	76.21	505.1	0.0	1816.9	0.00	6.00	0	1069
9/27/22 12:40	122.24	75.99	505.3	0.0	1818.0	0.00	6.00	0	1071
9/27/22 12:41	122.00	75.46	505.1	0.0	1818.0	0.00	6.00	0	1069
9/27/22 12:42	121.58	75.56	505.3	0.0	1818.2	0.00	6.00	0	1065
9/27/22 12:43	121.79	75.56	506.0	0.0	1818.9	0.00	6.00	0	1067
9/27/22 12:44	122.07	76.01	505.8	0.0	1819.3	0.00	6.00	0	1069
9/27/22 12:45	122.23	76.22	506.0	0.0	1819.4	0.00	6.00	0	1071
9/27/22 12:46	122.07	75.57	506.3	0.0	1820.0	0.00	6.00	0	1069
9/27/22 12:47	121.38	75.95	505.9	0.0	1819.5	0.00	6.00	0	1063
9/27/22 12:48	121.28	75.56	505.0	0.0	1817.7	0.00	6.00	0	1062

McI CT2 Process Data
Averaged Data PM-Metal

Date Time	Oil Supply gpm	Load MW	Exhaust Temp deg. C	Gas Flow 10scfm	Turbine Inlet Temp deg F.	Gas On	Oil On	Gas scfh	Total Heat Input MMBtu/hr
9/27/22 12:49	121.83	76.14	505.9	0.0	1819.9	0.00	6.00	0	1067
9/27/22 12:50	122.03	75.92	506.0	0.0	1820.1	0.00	6.00	0	1069
9/27/22 12:51	122.37	76.27	506.3	0.0	1820.5	0.00	6.00	0	1072
9/27/22 12:52	121.93	76.06	505.3	0.0	1818.5	0.00	6.00	0	1068
9/27/22 12:53	121.83	76.27	505.8	0.0	1819.2	0.00	6.00	0	1067
9/27/22 12:54	122.12	75.83	505.8	0.0	1819.4	0.00	6.00	0	1070
9/27/22 12:55	122.23	75.91	505.8	0.0	1819.4	0.00	6.00	0	1071
9/27/22 12:56	122.23	75.45	506.5	0.0	1821.0	0.00	6.00	0	1071
9/27/22 12:57	121.97	76.04	506.9	0.0	1821.7	0.00	6.00	0	1068
9/27/22 12:58	121.98	75.92	505.4	0.0	1818.5	0.00	6.00	0	1069
9/27/22 12:59	121.98	75.92	505.5	0.0	1818.3	0.00	6.00	0	1069
9/27/22 13:00	122.43	75.44	505.5	0.0	1818.8	0.00	6.00	0	1072
9/27/22 13:01	122.33	75.57	505.7	0.0	1818.5	0.00	6.00	0	1072
9/27/22 13:02	122.53	75.93	505.8	0.0	1818.5	0.00	6.00	0	1073
9/27/22 13:03	122.17	75.82	505.7	0.0	1819.1	0.00	6.00	0	1070
9/27/22 13:04	122.17	75.50	505.8	0.0	1820.0	0.00	6.00	0	1070
9/27/22 13:05	122.42	75.96	505.5	0.0	1819.2	0.00	6.00	0	1072
9/27/22 13:06	122.11	75.80	505.8	0.0	1819.8	0.00	6.00	0	1070
9/27/22 13:07	122.27	76.23	506.0	0.0	1819.4	0.00	6.00	0	1071
9/27/22 13:08	122.31	75.88	506.2	0.0	1820.5	0.00	6.00	0	1071
9/27/22 13:09	122.35	75.52	506.3	0.0	1820.2	0.00	6.00	0	1072
9/27/22 13:10	121.93	75.98	506.3	0.0	1820.8	0.00	6.00	0	1068
9/27/22 13:11	122.18	75.75	505.8	0.0	1819.2	0.00	6.00	0	1070
9/27/22 13:12	122.50	75.83	505.8	0.0	1819.5	0.00	6.00	0	1073
9/27/22 13:13	122.56	76.14	505.0	0.0	1819.1	0.00	6.00	0	1074
9/27/22 13:14	122.28	76.14	505.8	0.0	1819.5	0.00	6.00	0	1071
9/27/22 13:15	122.27	76.04	506.0	0.0	1820.7	0.00	6.00	0	1071
9/27/22 13:16	122.52	76.14	505.3	0.0	1819.4	0.00	6.00	0	1073
9/27/22 13:17	122.36	75.66	505.3	0.0	1819.2	0.00	6.00	0	1072
9/27/22 13:18	122.56	75.71	506.0	0.0	1819.8	0.00	6.00	0	1074
9/27/22 13:19	122.61	75.62	506.9	0.0	1821.6	0.00	6.00	0	1074
9/27/22 13:20	122.61	76.20	506.4	0.0	1821.4	0.00	6.00	0	1074
9/27/22 13:21	122.17	76.18	506.8	0.0	1821.7	0.00	6.00	0	1070
9/27/22 13:22	121.98	76.03	505.8	0.0	1819.0	0.00	6.00	0	1069
9/27/22 13:23	122.13	76.18	506.2	0.0	1820.2	0.00	6.00	0	1070
9/27/22 13:24	122.11	76.05	505.8	0.0	1819.5	0.00	6.00	0	1070
9/27/22 13:25	122.12	75.46	506.5	0.0	1820.8	0.00	6.00	0	1070
9/27/22 13:26	121.97	75.88	506.0	0.0	1820.4	0.00	6.00	0	1068
9/27/22 13:27	121.90	76.03	505.8	0.0	1819.4	0.00	6.00	0	1068
9/27/22 13:28	121.96	75.90	506.5	0.0	1821.3	0.00	6.00	0	1068
9/27/22 13:29	121.93	76.39	506.7	0.0	1821.6	0.00	6.00	0	1068
9/27/22 13:30	121.92	75.75	506.9	0.0	1822.4	0.00	6.00	0	1068
9/27/22 13:31	122.09	75.56	506.9	0.0	1821.7	0.00	6.00	0	1069
9/27/22 13:32	121.95	75.70	506.8	0.0	1821.4	0.00	6.00	0	1068
9/27/22 13:33	121.90	76.02	506.1	0.0	1820.7	0.00	6.00	0	1068
9/27/22 13:34	122.07	75.83	506.9	0.0	1821.6	0.00	6.00	0	1069
9/27/22 13:35	122.11	76.24	506.9	0.0	1821.0	0.00	6.00	0	1070
9/27/22 13:36	122.16	75.98	506.7	0.0	1821.4	0.00	6.00	0	1070
9/27/22 13:37	122.00	75.81	506.2	0.0	1820.4	0.00	6.00	0	1069
9/27/22 13:38	122.23	75.68	506.3	0.0	1820.5	0.00	6.00	0	1071
9/27/22 13:39	122.23	75.81	506.9	0.0	1822.3	0.00	6.00	0	1071
9/27/22 13:40	122.47	75.71	506.7	0.0	1821.4	0.00	6.00	0	1073
9/27/22 13:41	122.31	75.81	506.1	0.0	1820.1	0.00	6.00	0	1071
9/27/22 13:42	122.36	76.13	506.7	0.0	1822.0	0.00	6.00	0	1072
9/27/22 13:43	122.33	75.73	506.9	0.0	1821.9	0.00	6.00	0	1072
9/27/22 13:44	121.89	75.86	506.5	0.0	1821.1	0.00	6.00	0	1068
Run 4 Average	**122.24**	**75.86**	**503.11**	**0.00**	**1815.51**	**0.00**	**6.00**	**0.00**	**1070.79**
Run 5 Start - FO									
9/27/22 13:45	121.98	75.66	506.4	0.0	1821.0	0.00	6.00	0	1069
9/27/22 13:46	122.08	75.50	506.5	0.0	1821.9	0.00	6.00	0	1069
9/27/22 13:47	121.83	75.74	507.0	0.0	1822.9	0.00	6.00	0	1067
9/27/22 13:48	122.03	75.66	506.9	0.0	1822.4	0.00	6.00	0	1069
9/27/22 13:49	121.67	75.84	506.9	0.0	1821.3	0.00	6.00	0	1066
9/27/22 13:50	121.59	75.80	506.2	0.0	1820.4	0.00	6.00	0	1065
9/27/22 13:51	121.54	75.75	505.0	0.0	1819.1	0.00	6.00	0	1065
9/27/22 13:52	121.74	76.10	506.2	0.0	1820.0	0.00	6.00	0	1066
9/27/22 13:53	121.93	76.02	503.0	0.0	1821.1	0.00	6.00	0	1068
9/27/22 13:54	122.03	76.20	501.6	0.0	1822.6	0.00	6.00	0	1069

McI CT2 Process Data
Averaged Data PM-Metal

Date Time	Oil Supply gpm	Load MW	Exhaust Temp deg. C	Gas Flow 10scfm	Turbine Inlet Temp deg F.	Gas On	Oil On	Gas scfh	Total Heat Input MMBtu/hr
9/27/22 13:55	121.83	76.15	501.2	0.0	1820.8	0.00	6.00	0	1067
9/27/22 13:56	122.20	75.71	501.9	0.0	1822.0	0.00	6.00	0	1070
9/27/22 13:57	122.31	75.76	501.9	0.0	1822.4	0.00	6.00	0	1071
9/27/22 13:58	122.19	75.62	501.2	0.0	1820.8	0.00	6.00	0	1070
9/27/22 13:59	122.00	76.18	502.6	0.0	1821.3	0.00	6.00	0	1069
9/27/22 14:00	122.17	75.66	505.8	0.0	1824.1	0.00	6.00	0	1070
9/27/22 14:01	122.04	75.23	502.8	0.0	1823.0	0.00	6.00	0	1069
9/27/22 14:02	122.03	75.92	502.2	0.0	1821.9	0.00	6.00	0	1069
9/27/22 14:03	122.15	75.81	503.2	0.0	1821.5	0.00	6.00	0	1070
9/27/22 14:04	122.13	75.70	503.1	0.0	1821.4	0.00	6.00	0	1070
9/27/22 14:05	122.52	75.85	506.0	0.0	1821.9	0.00	6.00	0	1073
9/27/22 14:06	122.46	75.83	506.7	0.0	1823.2	0.00	6.00	0	1073
9/27/22 14:07	122.34	75.94	504.5	0.0	1821.7	0.00	6.00	0	1072
9/27/22 14:08	122.25	75.72	502.2	0.0	1822.3	0.00	6.00	0	1071
9/27/22 14:09	122.08	76.18	505.8	0.0	1824.2	0.00	6.00	0	1069
9/27/22 14:10	122.18	76.10	506.1	0.0	1822.2	0.00	6.00	0	1070
9/27/22 14:11	122.03	76.22	506.7	0.0	1822.3	0.00	6.00	0	1069
9/27/22 14:12	122.02	75.66	507.5	0.0	1823.9	0.00	6.00	0	1069
9/27/22 14:13	121.69	75.71	506.9	0.0	1823.0	0.00	6.00	0	1066
9/27/22 14:14	121.72	76.00	506.4	0.0	1822.0	0.00	6.00	0	1066
9/27/22 14:15	121.78	76.18	507.1	0.0	1823.0	0.00	6.00	0	1067
9/27/22 14:16	121.83	76.06	507.1	0.0	1822.1	0.00	6.00	0	1067
9/27/22 14:17	121.89	75.88	506.9	0.0	1822.2	0.00	6.00	0	1068
9/27/22 14:18	122.12	75.92	506.9	0.0	1822.7	0.00	6.00	0	1070
9/27/22 14:19	122.22	76.10	506.3	0.0	1822.1	0.00	6.00	0	1071
9/27/22 14:20	122.17	75.88	505.9	0.0	1823.6	0.00	6.00	0	1070
9/27/22 14:21	122.00	75.92	506.2	0.0	1821.5	0.00	6.00	0	1069
9/27/22 14:22	121.93	75.83	503.0	0.0	1822.4	0.00	6.00	0	1068
9/27/22 14:23	121.59	75.74	506.3	0.0	1821.4	0.00	6.00	0	1065
9/27/22 14:24	121.91	75.80	506.0	0.0	1821.3	0.00	6.00	0	1068
9/27/22 14:25	121.97	76.05	505.9	0.0	1824.1	0.00	6.00	0	1068
9/27/22 14:26	121.87	75.67	506.1	0.0	1822.0	0.00	6.00	0	1068
9/27/22 14:27	121.83	75.76	505.7	0.0	1820.7	0.00	6.00	0	1067
9/27/22 14:28	122.10	75.93	505.9	0.0	1822.9	0.00	6.00	0	1070
9/27/22 14:29	121.95	75.82	506.0	0.0	1822.3	0.00	6.00	0	1068
9/27/22 14:30	121.47	75.91	505.2	0.0	1821.7	0.00	6.00	0	1064
9/27/22 14:31	121.61	76.34	506.2	0.0	1822.3	0.00	6.00	0	1065
9/27/22 14:32	121.49	75.98	506.7	0.0	1822.3	0.00	6.00	0	1064
9/27/22 14:33	121.72	75.94	507.2	0.0	1822.9	0.00	6.00	0	1066
9/27/22 14:34	121.83	75.74	506.8	0.0	1822.5	0.00	6.00	0	1067
9/27/22 14:35	121.82	76.00	506.9	0.0	1822.9	0.00	6.00	0	1067
9/27/22 14:36	122.00	75.74	507.1	0.0	1822.4	0.00	6.00	0	1069
9/27/22 14:37	122.06	75.60	506.8	0.0	1821.9	0.00	6.00	0	1069
9/27/22 14:38	121.69	76.31	507.2	0.0	1823.6	0.00	6.00	0	1066
9/27/22 14:39	121.94	75.96	506.9	0.0	1822.7	0.00	6.00	0	1068
9/27/22 14:40	121.83	75.82	506.8	0.0	1822.4	0.00	6.00	0	1067
9/27/22 14:41	122.03	75.86	507.5	0.0	1822.9	0.00	6.00	0	1069
9/27/22 14:42	122.01	76.00	507.5	0.0	1824.2	0.00	6.00	0	1069
9/27/22 14:43	121.98	76.00	507.1	0.0	1823.0	0.00	6.00	0	1069
9/27/22 14:44	122.03	76.04	507.3	0.0	1823.2	0.00	6.00	0	1069
9/27/22 14:45	122.12	76.08	507.3	0.0	1823.3	0.00	6.00	0	1070
9/27/22 14:46	122.08	75.74	508.0	0.0	1824.5	0.00	6.00	0	1069
9/27/22 14:47	122.16	75.86	508.1	0.0	1824.6	0.00	6.00	0	1070
9/27/22 14:48	122.17	75.80	508.1	0.0	1824.6	0.00	6.00	0	1070
9/27/22 14:49	122.41	75.82	508.1	0.0	1824.5	0.00	6.00	0	1072
9/27/22 14:50	122.50	75.88	507.3	0.0	1823.2	0.00	6.00	0	1073
9/27/22 14:51	122.52	75.56	508.3	0.0	1825.4	0.00	6.00	0	1073
9/27/22 14:52	122.02	75.74	507.9	0.0	1824.2	0.00	6.00	0	1069
9/27/22 14:53	122.25	75.81	508.3	0.0	1825.8	0.00	6.00	0	1071
9/27/22 14:54	122.01	75.68	508.7	0.0	1825.9	0.00	6.00	0	1069
9/27/22 14:55	121.63	75.88	506.1	0.0	1824.5	0.00	6.00	0	1065
9/27/22 14:56	121.83	76.15	507.9	0.0	1825.4	0.00	6.00	0	1067
9/27/22 14:57	121.88	75.94	508.3	0.0	1825.7	0.00	6.00	0	1068
9/27/22 14:58	121.82	75.76	508.1	0.0	1825.0	0.00	6.00	0	1067
9/27/22 14:59	121.68	75.64	507.2	0.0	1824.1	0.00	6.00	0	1066
9/27/22 15:00	121.80	75.41	507.7	0.0	1824.5	0.00	6.00	0	1067
9/27/22 15:01	121.84	75.88	507.5	0.0	1824.6	0.00	6.00	0	1067
9/27/22 15:02	121.73	75.89	507.9	0.0	1823.8	0.00	6.00	0	1066
9/27/22 15:03	121.72	76.38	506.9	0.0	1822.8	0.00	6.00	0	1066

McI CT2 Process Data
Averaged Data PM-Metal

Date Time	Oil Supply gpm	Load MW	Exhaust Temp deg. C	Gas Flow 10scfm	Turbine Inlet Temp deg F.	Gas On	Oil On	Gas scfh	Total Heat Input MMBtu/hr
9/27/22 15:04	121.83	76.00	506.7	0.0	1822.5	0.00	6.00	0	1067
9/27/22 15:05	121.79	75.64	506.8	0.0	1822.3	0.00	6.00	0	1067
9/27/22 15:06	121.79	75.95	508.1	0.0	1825.1	0.00	6.00	0	1067
9/27/22 15:07	121.69	75.80	508.1	0.0	1824.9	0.00	6.00	0	1066
9/27/22 15:08	121.63	75.80	508.7	0.0	1825.6	0.00	6.00	0	1065
9/27/22 15:09	121.69	75.83	507.8	0.0	1823.3	0.00	6.00	0	1066
9/27/22 15:10	121.69	75.89	506.6	0.0	1823.2	0.00	6.00	0	1066
9/27/22 15:11	121.83	75.80	507.7	0.0	1824.3	0.00	6.00	0	1067
9/27/22 15:12	121.78	75.89	505.9	0.0	1824.9	0.00	6.00	0	1067
9/27/22 15:13	121.93	75.98	503.5	0.0	1823.9	0.00	6.00	0	1068
9/27/22 15:14	121.72	75.87	505.1	0.0	1824.2	0.00	6.00	0	1066
9/27/22 15:15	121.81	75.73	506.3	0.0	1824.6	0.00	6.00	0	1067
9/27/22 15:16	121.64	75.73	506.5	0.0	1824.2	0.00	6.00	0	1066
9/27/22 15:17	121.74	75.95	505.1	0.0	1824.2	0.00	6.00	0	1066
9/27/22 15:18	121.83	75.93	507.9	0.0	1824.5	0.00	6.00	0	1067
9/27/22 15:19	122.08	75.87	506.4	0.0	1824.3	0.00	6.00	0	1069
9/27/22 15:20	122.02	75.94	507.4	0.0	1825.1	0.00	6.00	0	1069
9/27/22 15:21	121.98	75.66	506.5	0.0	1823.3	0.00	6.00	0	1069
9/27/22 15:22	121.70	75.90	507.1	0.0	1823.3	0.00	6.00	0	1066
9/27/22 15:23	121.71	75.62	506.9	0.0	1823.1	0.00	6.00	0	1066
9/27/22 15:24	121.63	75.85	506.9	0.0	1822.6	0.00	6.00	0	1065
9/27/22 15:25	121.81	75.81	508.1	0.0	1824.1	0.00	6.00	0	1067
9/27/22 15:26	121.52	75.76	507.1	0.0	1823.6	0.00	6.00	0	1065
9/27/22 15:27	121.62	75.98	506.9	0.0	1822.0	0.00	6.00	0	1065
9/27/22 15:28	121.44	75.64	506.9	0.0	1822.5	0.00	6.00	0	1064
9/27/22 15:29	121.77	75.28	506.9	0.0	1822.8	0.00	6.00	0	1067
9/27/22 15:30	121.52	75.81	507.7	0.0	1823.5	0.00	6.00	0	1065
9/27/22 15:31	121.68	75.98	507.2	0.0	1823.6	0.00	6.00	0	1066
9/27/22 15:32	121.58	75.81	507.2	0.0	1823.0	0.00	6.00	0	1065
9/27/22 15:33	121.64	75.81	506.8	0.0	1821.7	0.00	6.00	0	1066
9/27/22 15:34	121.98	76.03	506.9	0.0	1822.9	0.00	6.00	0	1069
9/27/22 15:35	121.76	75.97	506.8	0.0	1822.6	0.00	6.00	0	1067
9/27/22 15:36	121.73	75.59	507.9	0.0	1824.3	0.00	6.00	0	1066
9/27/22 15:37	121.73	75.82	507.8	0.0	1824.5	0.00	6.00	0	1066
9/27/22 15:38	121.73	75.59	508.1	0.0	1824.1	0.00	6.00	0	1066
9/27/22 15:39	121.48	75.67	507.5	0.0	1823.6	0.00	6.00	0	1064
9/27/22 15:40	121.53	76.05	504.9	0.0	1823.0	0.00	6.00	0	1065
9/27/22 15:41	121.59	76.14	503.2	0.0	1822.6	0.00	6.00	0	1065
9/27/22 15:42	121.53	76.11	503.2	0.0	1822.5	0.00	6.00	0	1065
9/27/22 15:43	121.59	75.91	502.8	0.0	1821.6	0.00	6.00	0	1065
9/27/22 15:44	121.70	75.80	504.2	0.0	1822.3	0.00	6.00	0	1066
9/27/22 15:45	121.77	75.72	505.1	0.0	1822.0	0.00	6.00	0	1067
9/27/22 15:46	121.89	75.51	506.4	0.0	1822.4	0.00	6.00	0	1068
9/27/22 15:47	121.83	75.99	504.0	0.0	1822.5	0.00	6.00	0	1067
9/27/22 15:48	121.61	75.98	504.6	0.0	1822.8	0.00	6.00	0	1065
9/27/22 15:49	121.65	75.85	504.3	0.0	1822.2	0.00	6.00	0	1066
9/27/22 15:50	121.72	75.41	505.0	0.0	1821.9	0.00	6.00	0	1066
9/27/22 15:51	121.75	76.02	504.4	0.0	1821.7	0.00	6.00	0	1067
9/27/22 15:52	121.73	75.85	505.5	0.0	1821.7	0.00	6.00	0	1066
9/27/22 15:53	121.53	75.68	503.3	0.0	1822.1	0.00	6.00	0	1065
9/27/22 15:54	121.69	76.02	503.8	0.0	1822.2	0.00	6.00	0	1066
9/27/22 15:55	121.79	75.80	505.6	0.0	1821.4	0.00	6.00	0	1067
9/27/22 15:56	121.62	76.11	506.0	0.0	1821.3	0.00	6.00	0	1065
9/27/22 15:57	121.73	75.76	506.9	0.0	1821.4	0.00	6.00	0	1066
9/27/22 15:58	121.79	76.37	505.9	0.0	1820.4	0.00	6.00	0	1067
9/27/22 15:59	121.79	75.60	505.8	0.0	1821.3	0.00	6.00	0	1067
9/27/22 16:00	121.92	75.43	506.1	0.0	1821.0	0.00	6.00	0	1068
9/27/22 16:01	121.68	75.66	506.5	0.0	1821.6	0.00	6.00	0	1066
9/27/22 16:02	121.78	75.97	506.9	0.0	1822.1	0.00	6.00	0	1067
9/27/22 16:03	121.72	75.97	506.9	0.0	1821.9	0.00	6.00	0	1066
9/27/22 16:04	121.83	75.68	506.3	0.0	1822.4	0.00	6.00	0	1067
9/27/22 16:05	121.83	75.79	506.9	0.0	1822.0	0.00	6.00	0	1067
9/27/22 16:06	121.88	75.84	506.8	0.0	1822.1	0.00	6.00	0	1068
9/27/22 16:07	121.88	75.50	506.3	0.0	1821.4	0.00	6.00	0	1068
9/27/22 16:08	121.68	75.63	506.0	0.0	1820.2	0.00	6.00	0	1066
9/27/22 16:09	121.73	75.67	506.4	0.0	1820.7	0.00	6.00	0	1066
9/27/22 16:10	121.83	75.63	506.3	0.0	1821.6	0.00	6.00	0	1067
9/27/22 16:11	121.89	76.06	506.1	0.0	1821.3	0.00	6.00	0	1068
9/27/22 16:12	121.83	76.45	506.8	0.0	1822.1	0.00	6.00	0	1067

McI CT2 Process Data
Averaged Data PM-Metal

Date Time	Oil Supply gpm	Load MW	Exhaust Temp deg. C	Gas Flow 10scfm	Turbine Inlet Temp deg F.	Gas On	Oil On	Gas scfh	Total Heat Input MMBtu/hr
9/27/22 16:13	121.82	75.88	506.3	0.0	1821.1	0.00	6.00	0	1067
9/27/22 16:14	121.90	76.07	505.8	0.0	1821.0	0.00	6.00	0	1068
9/27/22 16:15	121.79	76.10	505.8	0.0	1820.5	0.00	6.00	0	1067
9/27/22 16:16	121.75	76.15	506.2	0.0	1821.3	0.00	6.00	0	1066
9/27/22 16:17	121.86	75.72	506.5	0.0	1821.7	0.00	6.00	0	1067
9/27/22 16:18	121.86	75.89	506.9	0.0	1822.5	0.00	6.00	0	1067
9/27/22 16:19	121.67	76.15	506.5	0.0	1821.1	0.00	6.00	0	1066
9/27/22 16:20	121.88	75.73	506.5	0.0	1821.3	0.00	6.00	0	1068
9/27/22 16:21	121.83	75.99	506.5	0.0	1821.6	0.00	6.00	0	1067
9/27/22 16:22	121.72	75.80	506.3	0.0	1821.3	0.00	6.00	0	1066
9/27/22 16:23	121.54	76.06	505.9	0.0	1821.1	0.00	6.00	0	1065
9/27/22 16:24	121.69	75.71	505.8	0.0	1821.1	0.00	6.00	0	1066
9/27/22 16:25	121.62	75.74	505.8	0.0	1820.4	0.00	6.00	0	1065
9/27/22 16:26	121.73	76.24	505.8	0.0	1820.4	0.00	6.00	0	1066
9/27/22 16:27	121.59	75.63	506.0	0.0	1820.8	0.00	6.00	0	1065
9/27/22 16:28	121.53	75.54	505.9	0.0	1821.0	0.00	6.00	0	1065
9/27/22 16:29	121.68	75.30	505.8	0.0	1819.9	0.00	6.00	0	1066
9/27/22 16:30	121.48	75.99	505.8	0.0	1820.0	0.00	6.00	0	1064
9/27/22 16:31	121.69	75.55	505.8	0.0	1819.4	0.00	6.00	0	1066
9/27/22 16:32	121.63	75.99	505.8	0.0	1819.5	0.00	6.00	0	1065
9/27/22 16:33	121.59	76.21	505.8	0.0	1819.5	0.00	6.00	0	1065
9/27/22 16:34	121.59	75.63	505.8	0.0	1820.1	0.00	6.00	0	1065
9/27/22 16:35	121.62	75.50	505.3	0.0	1819.5	0.00	6.00	0	1065
9/27/22 16:36	121.59	76.03	505.2	0.0	1819.4	0.00	6.00	0	1065
9/27/22 16:37	121.58	75.73	505.7	0.0	1819.2	0.00	6.00	0	1065
9/27/22 16:38	121.67	75.85	505.8	0.0	1819.2	0.00	6.00	0	1066
9/27/22 16:39	121.63	76.08	505.7	0.0	1819.4	0.00	6.00	0	1065
9/27/22 16:40	121.64	76.02	505.8	0.0	1819.7	0.00	6.00	0	1066
9/27/22 16:41	121.62	75.94	505.5	0.0	1819.2	0.00	6.00	0	1065
9/27/22 16:42	121.62	76.03	504.9	0.0	1818.5	0.00	6.00	0	1065
9/27/22 16:43	121.70	75.52	504.7	0.0	1818.3	0.00	6.00	0	1066
9/27/22 16:44	121.68	75.81	505.7	0.0	1819.5	0.00	6.00	0	1066
9/27/22 16:45	121.64	76.27	504.7	0.0	1819.1	0.00	6.00	0	1066
9/27/22 16:46	121.61	75.69	505.3	0.0	1818.6	0.00	6.00	0	1065
9/27/22 16:47	121.65	76.29	505.0	0.0	1818.6	0.00	6.00	0	1066
9/27/22 16:48	121.72	75.59	505.1	0.0	1818.8	0.00	6.00	0	1066
9/27/22 16:49	121.68	75.60	505.5	0.0	1818.5	0.00	6.00	0	1066
9/27/22 16:50	121.71	75.79	505.3	0.0	1818.8	0.00	6.00	0	1066
9/27/22 16:51	121.67	75.33	504.5	0.0	1818.0	0.00	6.00	0	1066
9/27/22 16:52	121.63	76.05	504.6	0.0	1817.8	0.00	6.00	0	1065
9/27/22 16:53	121.74	75.27	504.5	0.0	1818.0	0.00	6.00	0	1066
9/27/22 16:54	121.61	76.02	504.5	0.0	1818.2	0.00	6.00	0	1065
9/27/22 16:55	121.67	75.66	504.5	0.0	1818.0	0.00	6.00	0	1066
9/27/22 16:56	121.62	76.05	504.5	0.0	1817.8	0.00	6.00	0	1065
9/27/22 16:57	121.73	75.71	504.5	0.0	1817.2	0.00	6.00	0	1066
9/27/22 16:58	121.69	75.76	503.8	0.0	1816.6	0.00	6.00	0	1066
9/27/22 16:59	121.53	75.60	503.4	0.0	1815.6	0.00	6.00	0	1065
9/27/22 17:00	121.59	75.59	503.4	0.0	1815.8	0.00	6.00	0	1065
9/27/22 17:01	121.63	75.81	503.4	0.0	1815.1	0.00	6.00	0	1065
9/27/22 17:02	121.64	76.11	503.4	0.0	1815.1	0.00	6.00	0	1066
9/27/22 17:03	121.62	75.63	503.3	0.0	1815.3	0.00	6.00	0	1065
9/27/22 17:04	121.58	76.06	503.1	0.0	1815.1	0.00	6.00	0	1065
9/27/22 17:05	121.63	76.22	501.6	0.0	1814.2	0.00	6.00	0	1065
9/27/22 17:06	121.63	75.92	499.6	0.0	1814.7	0.00	6.00	0	1065
9/27/22 17:07	121.72	75.64	499.8	0.0	1814.4	0.00	6.00	0	1066
9/27/22 17:08	121.64	75.89	498.9	0.0	1813.6	0.00	6.00	0	1066
9/27/22 17:09	121.69	76.06	498.8	0.0	1813.2	0.00	6.00	0	1066
9/27/22 17:10	121.61	76.10	499.5	0.0	1813.2	0.00	6.00	0	1065
9/27/22 17:11	121.58	76.07	499.1	0.0	1813.4	0.00	6.00	0	1065
9/27/22 17:12	121.59	75.42	499.1	0.0	1813.4	0.00	6.00	0	1065
9/27/22 17:13	121.65	76.00	499.8	0.0	1813.5	0.00	6.00	0	1066
9/27/22 17:14	121.62	75.81	498.9	0.0	1813.2	0.00	6.00	0	1065
9/27/22 17:15	121.73	75.52	498.7	0.0	1813.1	0.00	6.00	0	1066
9/27/22 17:16	121.66	76.31	498.7	0.0	1813.6	0.00	6.00	0	1066
9/27/22 17:17	121.71	76.60	498.7	0.0	1813.4	0.00	6.00	0	1066
9/27/22 17:18	121.70	75.38	497.4	0.0	1812.6	0.00	6.00	0	1066
9/27/22 17:19	121.59	75.94	497.4	0.0	1811.9	0.00	6.00	0	1065
9/27/22 17:20	121.57	76.02	497.4	0.0	1810.7	0.00	6.00	0	1065
9/27/22 17:21	121.53	76.11	496.9	0.0	1810.1	0.00	6.00	0	1065

McI CT2 Process Data
Averaged Data PM-Metal

Date Time	Oil Supply gpm	Load MW	Exhaust Temp deg. C	Gas Flow 10scfm	Turbine Inlet Temp deg F.	Gas On	Oil On	Gas scfh	Total Heat Input MMBtu/hr
9/27/22 17:22	121.67	75.75	496.5	0.0	1809.5	0.00	6.00	0	1066
Run 5 Average	**121.80**	**75.85**	**505.34**	**0.00**	**1821.09**	**0.00**	**6.00**	**0.00**	**1066.94**

Sample Location Information

Stratification Test (Method 7E)

Company: Georgia Power
Plant: Plant McIntosh
Location: Unit 1
Technicians: JSG, WM

Point	O2 (%)
1	14.699
2	14.711
3	14.691
4	14.689
5	14.688
6	14.681
7	14.489
8	14.375
9	14.341
10	14.304
11	14.278
12	14.250
Averages	**14.516**

Minimum Number of Sampling Points Required:

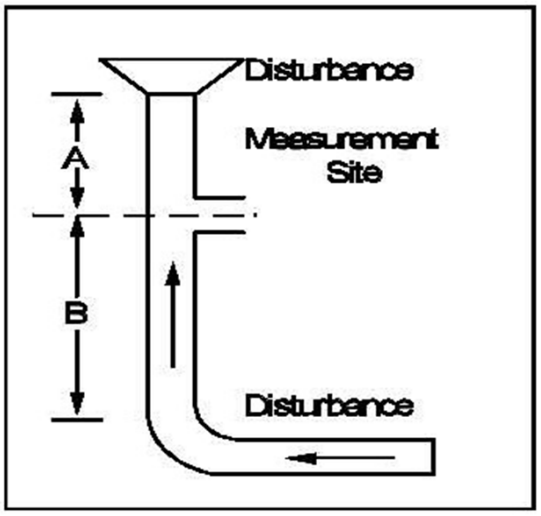
Single Point

Stratification determination by Method 7E, Section 8.1.2

Sample Location Information for Isokinetic Sampling - Round Ducts

Project #:	491281		Duct Diameter:	186 inches	15.50 feet
Company:	Georgia Power		# of Ports Used:		4
Plant:	McIntosh Plant		# of Points/Diameter:		12
Unit ID:	CT Unit 1 - NG		Sample Plane:		Horizontal
Sample Location:	Exhaust		Port Type:		Flange
			Port Length:		20.5 inches
Distance A:	19.75 Feet,	1.27 Duct diameters	Port Inside Diameter:		6.0 inches
Distance B:	54.00 Feet,	3.48 Duct diameters			

Meets Method 1 criteria



Traverse Point Locations

Point	% of diameter	Inches from wall	Inches from port edge
1	2.1	3.9	24.4
2	6.7	12.5	33.0
3	11.8	21.9	42.4
4	17.7	32.9	53.4
5	25.0	46.5	67.0
6	35.6	66.2	86.7

Pre-cyclonic flow check conducted? Yes Reason: Conducted Previously

Pre-Test Cyclonic Flow Check Data

	Port:A			Port:B			Port:C			D-Port:		
	ΔP	T_s	a	ΔP	T_s	a	ΔP	T_s	a	ΔP	T_s	a
Point #	("H2O)	(°F)	(°)	("H2O)	(°F)	(°)	("H2O)	(°F)	(°)	("H2O)	(°F)	(°)
1	2.00	975	0	3.80	961	2	4.4	963	0	2.5	966	5
2	1.20	979	2	3.70	965	5	4.3	980	0	1.8	980	2
3	0.86	979	5	3.70	961	0	4.3	985	2	1.4	986	2
4	0.65	977	2	3.90	956	2	4.5	985	0	1.3	988	0
5	0.51	974	0	4.10	953	2	4.5	983	2	1.2	989	0
6	0.42	972	0	3.20	948	5	4.4	980	5	1.1	987	5
	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-

Average a:	2.0 (°)	Average Ts:	973.83 (°F)	Average ΔP:	2.6558 ("H2O)
Status:	Pass			Avg of sqrt ΔP:	1.5486

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40 CFR 60 Method 2 -- VELOCITY TRAVERSE

Project No. 491281		Date 9/18/22
Client Georgia Power	Stack Diameter (in) 186	Operator Name A. Frank
Facility McINTOSH Power PLANT	Sampling Location STACK	
Source UNIT #1	Condition Normal	

Measurement Device Sensitivity ±0.01	Thermocouple ID	Internal Dimensions (in) 15.5
Measurement Device Standalone 0-10" Manometer ID	Pitot ID RPI - 8A	PTCF / Cp 0.827
Measurement Device Standalone 0-1" Manometer ID —	Barometer ID MCKCASIO	
Measurement Device Standalone 0-0.25" Manometer ID —	Barometric Pressure (in Hg) 29.80	

Run No. Prelims

Stack CO2 (%)	Stack O2 (%)	P Static (in H2O)
3.6	14.6	-1.50

Run Time (24-hr): Start ____ Stop ____

Pitot Leak Checks: Pre-Test + ✓ - ✓; Post-Test + ✓ - ✓

Traverse Point No.	Flue Gas Temp. (°F)	ΔP (in H_2O)	Angle
A1	975	2.0	0
2	979	1.20	2
3	979	0.86	5
4	977	0.65	2
5	974	0.51	0
6	972	0.42	0
B1	961	3.80	2
2	965	3.70	5
3	961	3.70	0
4	956	3.90	2
5	953	4.10	2
6	948	3.20	5

Run No. ____

Stack CO2 (%)	Stack O2 (%)	P Static (in H2O)

Run Time (24-hr): Start ____ Stop ____

Pitot Leak Checks: Pre-Test + ____ - ____; Post-Test + ____ - ____

Traverse Point No.	Flue Gas Temp. (°F)	ΔP (in H_2O)	Angle
C1	963	4.4	0
2	980	4.3	0
3	985	4.3	2
4	985	4.5	0
5	983	4.5	2
6	980	4.4	5
D1	966	2.5	5
2	980	1.80	2
3	986	1.40	2
4	988	1.30	0
5	989	1.20	0
6	987	1.10	5

Run No. ____

Stack CO2 (%)	Stack O2 (%)	P Static (in H2O)

Run Time (24-hr): Start ____ Stop ____

Pitot Leak Checks: Pre-Test + ____ - ____; Post-Test + ____ - ____

Traverse Point No.	Flue Gas Temp. (°F)	ΔP (in H_2O)	Angle

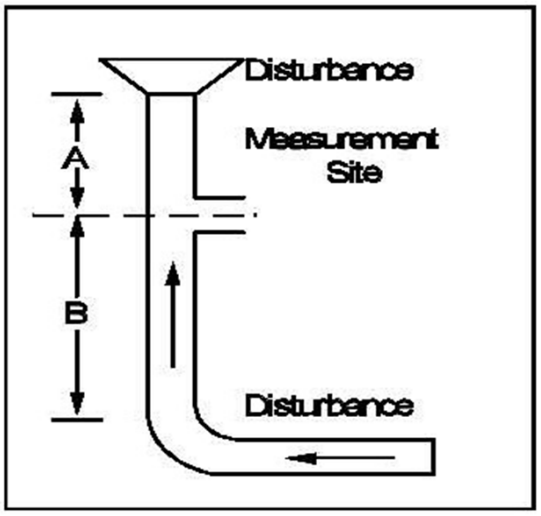
Comments: Moisture Content Assumed % 8.0

Sample Location Information for Isokinetic Sampling - Round Ducts

Project #: 491281
Company: Georgia Power
Plant: McIntosh Plant
Unit ID: CT Unit 1 FO
Sample Location: Exhaust

Distance A: 19.75 Feet, 1.27 Duct diameters
Distance B: 54.00 Feet, 3.48 Duct diameters
Meets Method 1 criteria

Duct Diameter: 186 inches 15.50 feet
# of Ports Used: 4
# of Points/Diameter: 12
Sample Plane: Horizontal
Port Type: Flange
Port Length: 20.5 inches
Port Inside Diameter: 6.0 inches



Traverse Point Locations

Point	% of diameter	Inches from wall	Inches from port edge
1	2.1	3.9	24.4
2	6.7	12.5	33.0
3	11.8	21.9	42.4
4	17.7	32.9	53.4
5	25.0	46.5	67.0
6	35.6	66.2	86.7

Pre-cyclonic flow check conducted? Yes Conducted Previously

Pre-Test Cyclonic Flow Check Data

	Port:			Port:			Port:			Port:		
	ΔP	T_s	a	ΔP	T_s	a	ΔP	T_s	a	ΔP	T_s	a
Point #	("H2O)	(°F)	(°)	("H2O)	(°F)	(°)	("H2O)	(°F)	(°)	("H2O)	(°F)	(°)
1	4.30	922	-	2.70	943	-	2.4	940	-	3.8	937	-
2	4.80	932	-	2.10	947	-	1.4	947	-	3.7	940	-
3	4.90	939	-	1.60	953	-	0.95	948	-	3.7	938	-
4	4.90	943	-	1.50	956	-	0.65	947	-	4.2	933	-
5	4.80	946	-	1.50	956	-	0.47	946	-	4.4	928	-
6	4.10	946	-	1.40	956	-	0.36	945	-	3.7	924	-
	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-

Average a: _____ (°) Average Ts: 942.17 (°F) Average ΔP: 2.8471 ("H2O)
Status: _____ Avg of sqrt ΔP: 1.6068

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40 CFR 60 Method 2 -- VELOCITY TRAVERSE

Project No. 491281		Date 9/17/22
Client Georgia Power	Stack Diameter (in) 186	Operator Name SRM
Facility McIntosh Plant	Sampling Location Stack	
Source Unit 1 Stack	Condition Max - Oil	

Measurement Device Sensitivity	Thermocouple ID	Internal Dimensions (in)
Measurement Device Standalone 0-10" Manometer ID	Pitot ID RPTI - 8B	PTCF / Cp .825
Measurement Device Standalone 0-1" Manometer ID	Barometer ID 14900524	
Measurement Device Standalone 0-0.25" Manometer ID	Barometric Pressure (in Hg)	

Run No.

Stack CO2 (%)	Stack O2 (%)	P Static (in H2O)
		~~1.8~~ -1.7

Run Time (24-hr): Start 8:30, Stop 8:50

Pitot Leak Checks: Pre-Test + ✓ / - ✓; Post-Test + ✓ / - ✓

Traverse Point No.	Flue Gas Temp. (°F)	ΔP (in H_2O)
C-1	922	4.3
C-2	932	4.8
C-3	939	~~4.8~~ 4.9
C-4	943	4.9
C-5	946	4.8
C-6	946	4.1
D-1	943	2.7
D-2	947	2.1
D-3	953	1.6
D-4	956	1.5
D-5	956	1.5
D-6	956	1.4
~~A-1~~		
~~A-2~~		
~~A-3~~		
~~A-4~~		

Run No.

Stack CO2 (%)	Stack O2 (%)	P Static (in H2O)

Run Time (24-hr): Start, Stop

Pitot Leak Checks: Pre-Test + ___ / - ___; Post-Test + ___ / - ___

Traverse Point No.	Flue Gas Temp. (°F)	ΔP (in H_2O)
A-1	940	2.4
A-2	947	1.4
A-3	948	0.95
A-4	947	0.65
A-5	946	0.47
A-6	945	0.36
B-1	937	3.8
B-2	940	3.7
B-3	938	3.7
B-4	933	4.2
B-5	928	4.4
B-6	924	3.7

Run No.

Stack CO2 (%)	Stack O2 (%)	P Static (in H2O)

Run Time (24-hr): Start, Stop

Pitot Leak Checks: Pre-Test + ___ / - ___; Post-Test + ___ / - ___

Traverse Point No.	Flue Gas Temp. (°F)	ΔP (in H_2O)

Comments

Stratification Test (Method 7E)

Company: Georgia Power
Plant: Plant McIntosh
Location: Unit 2
Technicians: JSG, WM

Point	O2 (%)
1	14.275
2	14.454
3	14.477
4	14.546
5	14.560
6	14.575
7	14.398
8	14.371
9	14.392
10	14.406
11	14.417
12	14.439
Averages	**14.443**

Minimum Number of Sampling Points Required:

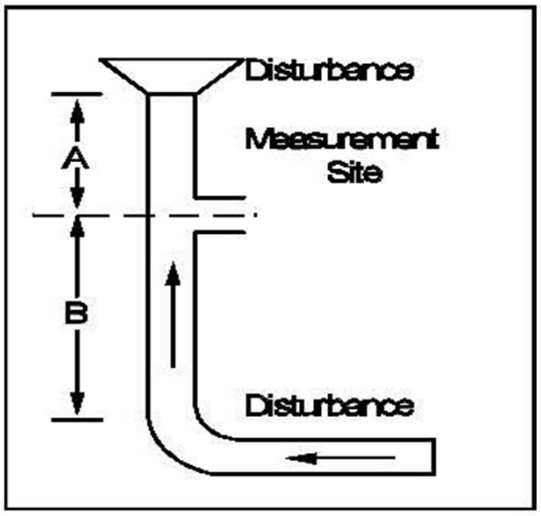
Single Point

Stratification determination by Method 7E, Section 8.1.2

Sample Location Information for Isokinetic Sampling - Round Ducts

Project #:	491281	Duct Diameter:	186 inches / 15.50 feet
Company:	Georgia Power	# of Ports Used:	4
Plant:	McIntosh Plant	# of Points/Diameter:	12
Unit ID:	CT Unit 2 - NG	Sample Plane:	Horizontal
Sample Location:	Exhaust	Port Type:	Flange
		Port Length:	20.5 inches
		Port Inside Diameter:	6.0 inches

Distance A: 19.75 Feet, 1.27 Duct diameters
Distance B: 54.00 Feet, 3.48 Duct diameters
Meets Method 1 criteria



Traverse Point Locations

Point	% of diameter	Inches from wall	Inches from port edge
1	2.1	3.9	24.4
2	6.7	12.5	33.0
3	11.8	21.9	42.4
4	17.7	32.9	53.4
5	25.0	46.5	67.0
6	35.6	66.2	86.7

Pre-cyclonic flow check conducted? Yes Reason: Conducted Previously

Pre-Test Cyclonic Flow Check Data

	Port:			Port:			Port:			Port:		
	ΔP	T_s	a	ΔP	T_s	a	ΔP	T_s	a	ΔP	T_s	a
Point #	("H2O)	(°F)	(°)	("H2O)	(°F)	(°)	("H2O)	(°F)	(°)	("H2O)	(°F)	(°)
1	4.10	865	5	4.70	910	0	2.4	927	0	2.2	945	0
2	4.00	908	2	4.70	900	0	1.7	948	0	1.3	946	2
3	3.40	917	3	4.90	910	0	1.5	952	2	0.83	949	2
4	4.00	912	0	4.80	913	5	1.8	946	1	0.58	947	0
5	4.50	900	5	4.90	904	2	2.1	944	5	0.33	941	0
6	3.70	898	3	3.50	899	0	1.8	938	2	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-

Average a: 1.7 (°) Average Ts: 922.57 (°F) Average ΔP: 2.9452 ("H2O)
Status: Pass Avg of sqrt ΔP: 1.6443

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40 CFR 60 Method 2 -- VELOCITY TRAVERSE

Project No. 491281			Date 9/21/22
Client Georgia Power		Stack Diameter (in) 186	Operator Name AK
Facility McIntosh		Sampling Location Stack	
Source Unit 2		Condition max	

Measurement Device Sensitivity	Thermocouple ID	Internal Dimensions (in)
Measurement Device Standalone 0-10" Manometer ID	Pitot ID RPT-10-4	PTCF / Cp 0.84
Measurement Device Standalone 0-1" Manometer ID	Barometer ID	
Measurement Device Standalone 0-0.25" Manometer ID	Barometric Pressure (in Hg) 29.90	

Run No.

Stack CO2 (%)	Stack O2 (%)	P Static (in H2O)

Run Time (24-hr): Start / Stop

Pitot Leak Checks: Pre-Test ✓ + / - ; Post-Test + / -

Angle Cyclonic

Traverse Point No.	Flue Gas Temp. (°F)	ΔP (in H_2O)	Angle
B1	865	~~3.8~~ 4.1	5
B2	908	4.0	2
B3	917	3.4	3
B4	912	4.0	0
B5	900	4.5	5
D6	898	3.7	3
C1	910	4.87	0
C2	900	4.7	0
C3	910	4.9	0
C4	913	4.8	5
C5	904	4.9	2
C6	899	3.5	0

Run No.

Stack CO2 (%)	Stack O2 (%)	P Static (in H2O)

Run Time (24-hr): Start / Stop

Pitot Leak Checks: Pre-Test + / - ; Post-Test + / -

Angle Cyclonic

Traverse Point No.	Flue Gas Temp. (°F)	ΔP (in H_2O)	Angle
D1	927	2.4	0
D2	948	1.7	6
D3	952	1.5	2
D4	946	1.8	1
D5	944	2.1	5
D6	938	1.8	2
A1	945	2.2	0
A2	946	1.3	2
A3	949	.83	2
A5	947	~~.58~~ .58	0
A6	941	.33	0

Run No.

Stack CO2 (%)	Stack O2 (%)	P Static (in H2O)

Run Time (24-hr): Start / Stop

Pitot Leak Checks: Pre-Test + / - ; Post-Test + / -

Angle Cyclonic

Traverse Point No.	Flue Gas Temp. (°F)	ΔP (in H_2O)	Angle

Comments

Rev.5 (1/10) NA = Not Applicable
FILE: M2(r5) TAB: 3-RUNS

Checked By: _____ 11/3/22 (Project Manager or QA Manager - sign and date)

Calculation Nomenclature and Formulas

Company:	Georgia Power	**Run:**	1
Plant:	McIntosh Plant	**Test Date:**	9/14/2022
Unit:	CT Unit 1 - NG		
Test Location:	Exhaust		
Method:	5/29		

K-Factor Isokinetic Sampling Coefficient (based on pre-test data)

$$\textbf{K-Factor} = 846.72 \times (D_n)^4 \times \Delta H_{@l} \times C_p^2 \times (1-B_{ws})^2 \times \frac{(M_d \times T_m \times P_s)}{(M_s \times T_s \times (P_{bar} + (\Delta H_{@l}/13.6)))}$$

Where:

T_s = Temperature of effluent gas (^oR)
T_m = Average dry test meter temperature (^oR)
D_n = Nozzle Diameter (in.)
$\Delta H_{@l}$ = Orifice pressure drop corresponding to 0.75 cfm meter flow rate (in. H_20)
C_p = Pitot Tube Coefficient (dimensionless)
B_{ws} = Effluent gas fractional moisture content (dimensionless)
M_d = Dry molecular weight of exhaust (lb/lb-mole)
M_s = Molecular weight of exhaust, wet basis (lb/lb-mole)
P_s = Absolute flue gas pressure ("Hg)
P_{bar} = Ambient barometric pressure at sample elevation ("Hg)

D_n =	0.233	in.	P_s =	29.74	in. Hg abs.
$\Delta H_{@l}$ =	1.90	in. H_20	M_s =	27.83	lb/lb-mole
C_p =	0.827	(dimensionless)	T_s =	1434	^oR
M_d =	29.16	lb/lb-mole	P_{bar} =	29.85	in. Hg
T_m =	535	^oR	B_{ws} =	0.120	(dimensionless)

K-Factor = 0.973

Dry Molecular Weight

$$M_d = 0.44 \times (\%CO_2) + 0.32 \times (\%O_2) + 0.28 \times \%N_2$$

Where:

M_d = Effluent gas molecular weight (lb/lb-mole, dry basis)
$\%CO_2$ = Effluent gas Carbon Dioxide Content (% volume, dry basis)
$\%O_2$ = Effluent gas Oxygen Content (% volume, dry basis)
$\%N_2$ = Effluent gas Nitrogen Dioxide Content (% volume, dry basis)

$\%CO_2$ =	3.5	%vol dry	$\%N_2$ =	81.8	%vol dry
$\%O_2$ =	14.8	%vol dry			

M_d = 29.15 lb/lb-mole

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Company:	Georgia Power	**Run:**	1
Plant:	McIntosh Plant	**Test Date:**	9/14/2022
Unit:	CT Unit 1 - NG		
Test Location:	Exhaust		

Wet Molecular Weight

$$M_s = M_d \times (1-B_{ws}) + (18.015 \times B_{ws})$$

Where:

M_s = Effluent gas molecular weight (lb/lb-mole, wet basis)

B_{ws} = Effluent gas fractional moisture content (dimensionless)

M_d = 29.15 lb/lb-mole *Bws* = 0.115

M_s = 27.87 lb/lb-mole

Effluent Gas Pressure

$$P_s = P_{bar} + (P_f/13.6)$$

Where:

P_s = flue gas pressure ("Hg)

P_{bar} = Ambient barometric pressure at sample elevation ("Hg)

P_g = Flue gas gauge pressure ("H_2O)

P_{bar} = 29.90 "Hg P_g = -1.50 "H_2O

P_s = 29.79 "Hg

Average Meter Temperature

$$T_m = \frac{\sum_{I=1}^{n} (T_{mini} + T_{mouti})/2}{n}$$

Where:

T_m = Average dry test meter temperature (^oR)

T_{min} = Temperature of gas entering dry test meter (^oR)

T_{mout} = Temperature of gas leaving dry test meter (^oR)

Avg T_{min} = 542.2 ^oR Avg T_{mout} = 537.4 ^oR

T_m = 539.8 ^oR

ΔH at Sample Point - Example Point A2

$$\Delta H_i = \text{K-Factor} \times \Delta pi$$

Where:

ΔH_i = Pressure differential across calibrated orifice at point *i* ("H_2O)

ΔP_i = Velocity head across pitot at point *i* ("H_2O)

K-Factor = 1.047 ΔPi = 1.80 "H_2O

ΔH_i = 1.88 "H_2O

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Company:	Georgia Power	**Run:**	1
Plant:	McIntosh Plant	**Test Date:**	9/14/2022
Unit:	CT Unit 1 - NG		
Test Location:	Exhaust		

Sample Volume at Standard Conditions

$$V_{m(std)} = (T_{std}/29.92) \times Y \times V_m \times (P_{bar} + \Delta H/13.6)/T_m$$

Where:

$V_{m(std)}$ = Sample volume collected corrected to 29.92 inHg and 527.67°R (ft^3, dry basis)
Y = Dry test meter calibration coefficient (dimensionless)
V_m = Sample volume collected at actual conditions (ft^3, dry basis)
T_{std} = Standard Temperature 527.67(°R)
ΔH = Average pressure differential across calibrated orifice ("H_20)

Y =	1.011	V_m =	207.575 cf
P_{bar} =	29.90 "Hg	ΔH =	2.82 "H_2O
T_m =	539.8 °R	T_{std} =	527.67 °R

$V_{m(std)}$ = 206.334 dscf

Volume of Water Vapor Condensed

$$V_{wc(std)} = 0.04716 \times (Tstd / 527.67) \times MH2O$$

Where:

Vwc(std) = Volume of water vapor collected at 29.92 inHg and 527.67oR (ft3)
M_{H2O} = Net weight gain of impingers (grams)

M_{H2O} = 567.2 grams

$V_{wc(std)}$ = 26.749 wscf

Moisture Content

$$B_{ws} = \frac{V_{wc(std)}}{V_{wc(std)} + V_{m(std)}}$$

$V_{wc(std)}$ = 26.749 wscf $V_{m(std)}$ = 206.334 dscf

B_{ws} = 0.115

Average Duct Velocity

$$V_s = 85.49 \times C_p \times \text{Sqrt } \Delta P \text{ (avg)} \times (T_s/(P_s \times M_s))^{1/2}$$

Where:

V_s = Average velocity of effluent gas (ft/sec)
C_p = Pitot calibration coefficient (dimensionless)
Sqrt ΔP (avg) = Average of the square roots of DP's at all traverse points

C_p =	0.827	Sqrt ΔP (avg) =	1.560
T_s =	1396.4 °R	P_s =	29.79 "Hg
M_s =	27.87 lb/lb-mole		

V_s = 143.07 ft/sec

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Company:	Georgia Power	**Run:**	1
Plant:	McIntosh Plant	**Test Date:**	9/14/2022
Unit:	CT Unit 1 - NG		
Test Location:	Exhaust		

Method 2 Volumetric Flow Rate (Actual Basis)

$$Q = V_s \times A \times 60$$

Where:

Q = Effluent gas volumetric flow rate at actual conditions (ft^3/min)

A = Cross-sectional area of duct at sample location (ft^2)

V_s = 143.07 ft/sec A = 188.692 ft^2

Q = 1,619,777 cfm

Method 2 Volumetric Flow Rate (Standard Basis)

$$Q_{std} = \frac{T_{std} \times Q \times P_s}{T_s \times 29.92}$$

Where:

Q_{std} = Effluent gas volumetric flow rate corrected to 29.92 inHg and 527.67°R (ft^3/min)

Q = 1619777 cfm P_s = 29.79 "Hg

T_s = 1396.4 °R

Q_{std} = 609,424 scfm

Method 2 Volumetric Flow Rate (Standard Dry Basis)

$$Q_{std(dry)} = Q_{std} \times (1 - B_{ws})$$

Where:

$Q_{std(dry)}$ = Effluent gas volumetric flow rate corrected to 29.92 inHg and 527.67°R (ft^3/min, dry basis)

Q_{std} = 609424 scfm *Bws* = 0.115

$Q_{std(dry)}$ = 539,485 dscf

Isokinetic Variation:

$$I = \frac{0.0945 \times Ts \times Vm(std) \times 527.67}{V_s \times \theta \times A_n \times P_s \times (1\text{-}Bws) \times T_{std}}$$

Where:

I = Percent of isokinetic sampling (dimensionless)

θ = Total sample collection time (min)

A_n = Cross-sectional area of nozzle (ft^2)

T_s = 1396.4 °R $V_{m(std)}$ = 206.334 dscf

V_s = 143.071 ft/sec θ = 240.0 min

P_s = 29.79 "Hg A_n = 0.000296 ft^2 B_{ws} = 0.115

I = 101.6 %

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Company:	Georgia Power	**Run:**	1
Plant:	McIntosh Plant	**Test Date:**	9/14/2022
Unit:	CT Unit 1 - NG		
Test Location:	Exhaust		

PM Concentration - example for filterable only:

$$C_s = \frac{m_n \times 0.01543}{V_{m(std)}}$$

Where:

C_s = Particulate matter concentration (grains/dry standard ft^3)

m_n = Net mass of particulate matter collected (mg)

m_n = 3.2 mg $V_{m(std)}$ = 206.334 dscf

C_s = 0.00024 gr/dscf

PM Concentration in Exhaust Gas (gr/dscf or mg/std. m³), corrected to 15% O2 - example for filterable only:

$$C_{corr.} = C_s \times \left(\frac{20.9 - \text{Reference } O_2}{20.9 - \%\, O_2}\right)$$

Where:

Reference O_2 = 15% O2

C_s = As-measured PM concentration (gr/dscf or mg/std. m^3)

% O_2 = As-measured flue gas O_2 content (% volume)

C_s = 0.00024 gr/dscf % O_2 = 14.8 % vol

$C_{corr.}$ = 0.00023 gr/dscf @ 15% O2

PM Emission Rate Based on Method 2 Volumetric Flow Rate - example for filterable only:

$$ER_{M2} = \frac{C_s \times Q_{std(dry)} \times 60}{7000}$$

Where:

ER_{M2} = Particulate matter emission rate calculated using Method 2 volumetric flow rate (lb/hr)

7000 = grains per pound

C_s = 0.0002 gr/dscf $Q_{std(dry)}$ = 539485 dscf/min

ER_{M2} = 1.09 lb/hr

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Example Calculations - Selected Metal Emission Rate

Project Number:	491281	Test Date:	September 14, 2022
Customer:	Georgia Power	Facility:	McIntosh Plant
Unit Identification:	CT Unit 1 - NG	Run #:	1
Sample Location:	Exhaust	Selected Metal:	Arsenic:

Arsenic: Concentration (µg/dscm)

$$C_s = \frac{M}{V_{m(std)}}$$

Where:

C_s = Concentration of selected metal, µg/dscm
M = Mass collected, microgram, µg
$V_{m(std)}$ = Volume of sample gas in dry standard cubic meters

M = 1.9600 µg $V_{m(std)}$ = 5.843 dry std. m^3

C_s = 3.355E-01 µg/dscm

Arsenic: Concentration (lb/dscf):

$$C_d = \frac{\left(\frac{M}{(10^6 \times 453.6)}\right)}{V_{m(std)}}$$

Where:

C_d = Concentration of selected metal, lb/dscf
M = Mass collected, microgram, µg
453.6 = conversion, 453.6 grams to lbs
$V_{m(std)}$ = Volume of sample gas in dry standard cubic feet

$V_{m(std)}$ = 2.063E+02 dscf

C_d = 2.094E-11 lb/dscf

Arsenic: Emission Rate (lb/hr):

$$ER = C_d \times 60 \times Q_{STD(dry)}$$

Where:

ER = Emission Rate of Selected Metal, lb/hr
C_d = Concentration of selected metal, lb/dscf
60 = conversion, 60 minutes/hr
$Q_{std(dry)}$ = Stack gas volumetric flow rate, dry standard cubic feet per minute

C_d = 2.094E-11 lb/dscf $Q_{std(dry)}$ = 539485 ft^3/min

ER = 6.779E-04 lb/hr

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Example Calculations - Effluent Gas Concentration Determination

Project Number:	491281	Test Date:	September 17, 2022
Customer:	Georgia Power	Facility:	Plant McIntosh
Unit Identification:	Unit 1 - Fuel Oil	Run #:	1
Sample Location:	-		

$$C_{gas} = (C - C_0) \times \frac{C_{ma}}{C_m - C_0}$$

Where:

C_{gas} = Effluent gas concentration (ppm or %vol)

C = Average gas concentration indicated by analyzer (ppm or %vol)

C_0 = Average of pre- and post-test system bias checks using low range gas (ppm or % vol)

C_m = Average of pre- and post-test system bias checks using upscale gas (ppm or % vol)

C_{ma} = Actual concentration of upscale gas (ppm or % vol)

CO

C =	-0.179 ppm	C_0 =	-0.168 ppm
C_m =	11.523 ppm	C_{ma} =	11.600 ppm

C_{CO} = -0.011 ppm

CO_2

C =	4.733 %vol	C_0 =	0.094 %vol
C_m =	10.096 %vol	C_{ma} =	9.830 %vol

C_{CO2} = 4.560 %vol

O_2

C =	14.506 %vol	C_0 =	0.056 %vol
C_m =	10.055 %vol	C_{ma} =	10.000 %vol

C_{O2} = 14.452 %vol

Note: Interim results are not rounded.

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Example Calculations - Pollutant Concentration Corrected to a Reference % Oxygen

Project Number:	491281	Test Date:	September 17, 2022
Customer:	Georgia Power	Facility:	Plant McIntosh
Unit Identification:	Unit 1 - Fuel Oil	Run #:	1

$$C_{gas} \text{ @ Reference } \%O_2 = C_{gas} \times \frac{(20.9 - \text{Ref } \%O_2)}{(20.9 - \%O_2)}$$

Where:

C_{gas} = Effluent gas pollutant concentration (ppmI)

%O2 = Effluent gas Oxygen concentration (ppm or %vol)

20.9 = Concentration of Oxygen in ambient air (%vol)

Ref %O2 = Reference Oxygen concentration

CO C_{gas} = -0.011 ppmvd % O_2 = 14.452 % v/v dry

Ref $\%O_2$ = 15

C_{CO} @ Ref $\%O_2$ = -0.010 ppmvd

Note: Interim results are not rounded.

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Method 320 Processed Data

Client: Georgia Power
Facility: Plant McInstosh
Source: Unit 1
Condition: Natural Gas Max

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp(C)	Press (atm)
9/15/2022	6:55:08	0.319	-0.0091	0.011	-0.001	18	0.028	0.003	0.008	0.006	0.000	0	18	190	1.08
9/15/2022	6:56:08	0.316	-0.0044	0.011	-0.002	31	0.029	0.003	0.007	0.007	0.000	0	18	190	1.08
9/15/2022	6:57:08	0.309	0.0002	0.009	-0.002	25	0.028	0.003	0.008	0.006	0.000	0	18	190	1.08
Direct Zero		**0.309**													
9/15/2022	6:58:08	3.907	-0.0035	0.012	-0.014	142	0.032	0.003	0.007	0.010	0.001	1	18	190	1.08
9/15/2022	6:59:08	100.499	-0.0009	0.014	-0.019	106	0.154	0.003	0.008	0.014	0.007	3	18	190	1.08
9/15/2022	7:00:08	100.814	-0.0117	0.007	-0.017	-72	0.083	0.003	0.007	0.011	0.006	3	18	190	1.08
9/15/2022	7:01:08	100.874	0.0038	0.007	-0.008	-91	0.083	0.003	0.007	0.011	0.006	3	18	190	1.08
Direct CTS		**100.874**													
9/15/2022	7:02:08	-0.454	0.2459	0.422	-2.964	173037	2.897	0.018	0.215	3.529	0.076	317	14	190	1.12
9/15/2022	7:03:08	0.202	0.0928	0.381	0.556	111457	0.191	0.014	0.130	0.700	0.005	523	15	190	1.15
9/15/2022	7:04:08	0.284	0.0349	0.242	0.419	58444	0.129	0.009	0.075	0.440	0.003	313	15	190	1.16
9/15/2022	7:05:08	0.257	0.0190	0.146	0.193	27165	0.073	0.005	0.037	0.332	0.002	176	16	190	1.16
9/15/2022	7:06:08	0.296	0.0175	0.097	0.066	17196	0.049	0.005	0.024	0.186	0.001	92	16	190	1.17
9/15/2022	7:07:08	0.290	0.0295	0.066	0.017	8876	0.038	0.004	0.015	0.116	0.001	51	17	190	1.17
9/15/2022	7:08:08	0.291	0.0037	0.042	0.015	2967	0.031	0.003	0.009	0.055	0.000	17	18	190	1.17
System Zero		**0.291**													
9/15/2022	7:09:08	0.655	0.0042	0.027	-0.174	2235	0.263	0.003	0.008	0.034	0.007	47	17	190	1.17
9/15/2022	7:10:08	0.534	0.0094	0.022	-0.183	2551	0.273	0.004	0.010	0.037	0.007	22	16	190	1.17
9/15/2022	7:11:08	0.392	-0.0056	0.014	-0.111	1785	0.257	0.004	0.010	0.028	0.007	20	17	190	1.17
9/15/2022	7:12:08	0.373	-0.0074	0.003	-0.077	853	0.233	0.004	0.010	0.019	0.006	17	17	190	1.17
9/15/2022	7:13:09	0.370	-0.0027	0.008	-0.100	631	0.233	0.004	0.009	0.020	0.006	8	17	190	1.17
9/15/2022	7:14:08	81.253	-0.0039	0.011	-0.077	652	0.160	0.002	0.006	0.019	0.007	12	18	190	1.17
9/15/2022	7:15:08	99.352	-0.0093	0.018	-0.080	592	0.099	0.003	0.007	0.019	0.007	13	18	190	1.17
9/15/2022	7:16:08	99.667	-0.0160	0.018	-0.075	553	0.099	0.003	0.007	0.018	0.007	13	18	190	1.17
9/15/2022	7:17:08	99.890	-0.0104	0.021	-0.078	527	0.101	0.003	0.007	0.025	0.007	7	18	190	1.17
System CTS		**99.890**													
9/15/2022	7:39:35	0.855	0.0030	0.299	-2.756	103540	1.715	0.013	0.158	1.720	0.041	274	13	190	1.14
9/15/2022	7:50:18	-0.223	-0.0050	0.212	0.563	110534	0.228	0.015	0.133	0.699	0.006	581	13	190	1.14
9/15/2022	7:55:18	0.083	-0.0169	0.210	0.599	124236	0.238	0.016	0.142	0.789	0.006	626	13	190	1.14
9/15/2022	8:00:18	0.106	-0.0174	0.196	0.589	124668	0.236	0.016	0.142	0.677	0.006	622	13	190	1.14
9/15/2022	8:05:18	0.108	-0.0166	0.185	0.583	123092	0.231	0.017	0.140	0.736	0.006	604	13	190	1.14
9/15/2022	8:10:18	0.085	-0.0184	0.171	0.589	125030	0.232	0.017	0.141	0.765	0.006	613	13	190	1.14
9/15/2022	8:15:20	0.101	-0.0233	0.163	0.573	124992	0.231	0.017	0.141	0.765	0.006	609	13	190	1.14

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp(C)	Press (atm)
9/15/2022	8:20:18	0.111	-0.0205	0.151	0.585	124007	0.229	0.017	0.140	0.750	0.006	604	13	190	1.14
9/15/2022	8:25:18	0.100	-0.0238	0.150	0.586	125135	0.231	0.017	0.141	0.804	0.006	609	13	190	1.14
9/15/2022	8:30:18	0.116	-0.0176	0.140	0.575	122869	0.228	0.016	0.139	0.743	0.006	600	13	190	1.14
9/15/2022	8:35:18	0.104	-0.0270	0.131	0.574	126297	0.233	0.017	0.143	0.735	0.006	614	13	190	1.14
9/15/2022	8:40:18	0.109	-0.0218	0.124	0.556	120088	0.226	0.016	0.137	0.676	0.006	593	13	190	1.14
9/15/2022	8:45:18	0.094	-0.0213	0.126	0.558	127054	0.237	0.017	0.144	0.733	0.006	628	13	190	1.15
9/15/2022	8:50:18	0.094	-0.0186	0.127	0.579	124794	0.234	0.016	0.141	0.736	0.006	618	13	190	1.14
9/15/2022	8:55:18	0.098	-0.0201	0.122	0.606	125035	0.234	0.016	0.141	0.751	0.006	616	13	190	1.14
9/15/2022	9:00:18	0.099	-0.0232	0.115	0.622	122418	0.231	0.016	0.138	0.772	0.006	607	13	190	1.14
9/15/2022	9:05:18	0.094	-0.0223	0.115	0.591	128572	0.242	0.016	0.145	0.760	0.006	642	13	190	1.14
9/15/2022	9:10:18	0.309	-0.0168	0.028	0.048	6544	0.044	0.004	0.012	0.161	0.001	74	17	190	1.17
9/15/2022	9:15:18	0.775	-0.0167	0.007	-0.004	2856	0.352	0.003	0.009	0.053	0.009	129	17	190	1.17
9/15/2022	9:20:18	0.653	-0.0141	0.134	-1.900	74744	0.500	0.011	0.106	1.054	0.011	331	14	190	1.15
Start Run 1															
9/15/2022	9:25:18	0.053	-0.0104	0.104	0.469	118460	0.233	0.016	0.135	0.688	0.006	595	13	190	1.14
9/15/2022	9:30:18	0.097	-0.0276	0.114	0.581	127775	0.239	0.017	0.144	0.741	0.006	634	13	190	1.14
9/15/2022	9:35:18	0.069	-0.0238	0.114	0.573	132904	0.246	0.017	0.149	0.757	0.006	653	13	190	1.14
9/15/2022	9:40:18	0.087	-0.0222	0.103	0.589	122337	0.242	0.015	0.139	0.718	0.006	638	13	190	1.14
9/15/2022	9:45:19	0.081	-0.0204	0.109	0.645	128235	0.253	0.015	0.145	0.803	0.006	675	13	190	1.14
9/15/2022	9:50:18	0.105	-0.0230	0.104	0.600	129049	0.249	0.016	0.145	0.803	0.006	666	13	190	1.14
9/15/2022	9:55:18	0.093	-0.0217	0.106	0.608	127893	0.251	0.015	0.144	0.797	0.006	669	13	190	1.14
9/15/2022	10:00:18	0.111	-0.0268	0.098	0.605	122691	0.242	0.015	0.140	0.764	0.006	640	13	190	1.14
9/15/2022	10:05:18	0.108	-0.0222	0.100	0.591	124101	0.240	0.016	0.141	0.737	0.006	635	13	190	1.15
9/15/2022	10:10:18	0.093	-0.0255	0.104	0.600	129605	0.248	0.016	0.146	0.849	0.006	660	13	190	1.14
9/15/2022	10:15:18	0.097	-0.0245	0.111	0.608	129447	0.247	0.016	0.145	0.775	0.006	657	13	190	1.14
9/15/2022	10:20:18	0.107	-0.0285	0.094	0.609	124614	0.240	0.016	0.141	0.758	0.006	635	13	190	1.14
Run Averages		**0.092**	**-0.0231**	**0.105**	**0.590**	**126426**	**0.244**	**0.016**	**0.143**	**0.766**	**0.006**	**646**			
9/15/2022	10:25:18	0.339	-0.0282	0.043	0.258	35052	0.220	0.007	0.060	0.289	0.004	252	14	190	1.17
9/15/2022	10:30:20	0.280	-0.0217	0.043	0.104	43436	0.216	0.008	0.062	0.392	0.005	313	14	190	1.15
Start Run 2															
9/15/2022	10:35:18	0.078	-0.0234	0.092	0.282	114304	0.257	0.015	0.130	0.785	0.007	630	13	190	1.14
9/15/2022	10:40:18	0.097	-0.0298	0.088	0.595	130293	0.246	0.017	0.146	0.774	0.006	652	13	190	1.14
9/15/2022	10:45:18	0.098	-0.0232	0.091	0.633	125707	0.243	0.016	0.142	0.805	0.006	640	13	190	1.15
9/15/2022	10:50:18	0.112	-0.0287	0.090	0.625	128127	0.242	0.017	0.144	0.814	0.006	641	13	190	1.14
9/15/2022	10:55:18	0.116	-0.0304	0.092	0.617	127471	0.239	0.016	0.143	0.802	0.006	633	13	190	1.14
9/15/2022	11:00:18	0.062	-0.0193	0.064	0.440	90671	0.244	0.017	0.146	0.828	0.006	649	13	190	1.64
9/15/2022	11:05:18	0.097	-0.0221	0.092	0.580	130883	0.244	0.017	0.146	0.771	0.006	646	13	190	1.14
9/15/2022	11:10:21	0.123	-0.0240	0.087	0.579	122243	0.234	0.016	0.138	0.691	0.006	613	13	190	1.14

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp(C)	Press (atm)
9/15/2022	11:15:18	0.117	-0.0286	0.083	0.606	125517	0.241	0.016	0.141	0.738	0.006	636	13	190	1.14
9/15/2022	11:20:18	0.117	-0.0272	0.087	0.631	124091	0.239	0.016	0.141	0.778	0.006	628	13	190	1.14
9/15/2022	11:25:18	0.099	-0.0274	0.085	0.622	128090	0.243	0.016	0.144	0.777	0.006	639	13	190	1.14
9/15/2022	11:30:18	0.120	-0.0304	0.079	0.593	120928	0.238	0.015	0.137	0.734	0.006	625	13	190	1.15
Run Averages		**0.103**	**-0.0262**	**0.086**	**0.567**	**122360**	**0.243**	**0.016**	**0.141**	**0.775**	**0.006**	**636**			
9/15/2022	11:35:18	0.323	-0.0292	0.045	0.286	38870	0.206	0.007	0.064	0.318	0.004	280	14	190	1.17
9/15/2022	11:40:18	0.444	-0.0219	0.023	0.080	24718	0.241	0.006	0.041	0.244	0.005	228	15	190	1.15
9/15/2022	11:45:18	0.097	-0.0257	0.077	0.223	98525	0.273	0.013	0.111	0.815	0.007	613	13	190	1.14
Start Run 3															
9/15/2022	11:50:18	0.108	-0.0362	0.081	0.631	127752	0.245	0.016	0.144	0.789	0.006	646	13	190	1.14
9/15/2022	11:55:18	0.119	-0.0312	0.081	0.625	126300	0.240	0.016	0.141	0.746	0.006	630	13	190	1.14
9/15/2022	12:00:18	0.132	-0.0264	0.077	0.612	118822	0.229	0.016	0.134	0.720	0.006	596	13	190	1.14
9/15/2022	12:05:18	0.111	-0.0335	0.082	0.611	128047	0.243	0.017	0.144	0.733	0.006	637	13	190	1.14
9/15/2022	12:10:18	0.135	-0.0297	0.078	0.605	125151	0.236	0.017	0.140	0.745	0.006	618	13	190	1.14
9/15/2022	12:15:18	0.135	-0.0319	0.078	0.609	124740	0.237	0.016	0.141	0.750	0.006	616	13	190	1.14
9/15/2022	12:20:18	0.106	-0.0323	0.081	0.593	130715	0.245	0.017	0.146	0.745	0.006	646	13	190	1.14
9/15/2022	12:25:18	0.120	-0.0334	0.079	0.614	123940	0.237	0.016	0.140	0.761	0.006	618	13	190	1.15
9/15/2022	12:30:21	0.129	-0.0297	0.084	0.603	123659	0.236	0.016	0.139	0.740	0.006	619	13	190	1.14
9/15/2022	12:35:18	0.120	-0.0275	0.072	0.586	125540	0.241	0.016	0.141	0.730	0.006	632	13	190	1.14
9/15/2022	12:40:18	0.119	-0.0322	0.073	0.620	125077	0.242	0.016	0.141	0.766	0.006	636	13	190	1.14
9/15/2022	12:45:18	0.135	-0.0262	0.074	0.663	121536	0.237	0.016	0.138	0.757	0.006	618	13	190	1.14
Run Averages		**0.122**	**-0.0308**	**0.078**	**0.614**	**125107**	**0.239**	**0.016**	**0.141**	**0.748**	**0.006**	**626**			
9/15/2022	12:50:18	0.164	-0.0294	0.077	0.604	111610	0.221	0.015	0.134	0.722	0.006	578	13	190	1.16
9/15/2022	12:55:18	0.536	-0.0281	0.008	0.097	13346	0.247	0.004	0.020	0.210	0.006	131	15	190	1.17
9/15/2022	13:00:18	0.209	-0.0291	0.046	0.050	41199	0.283	0.009	0.062	0.484	0.006	441	14	190	1.15
9/15/2022	13:05:18	0.096	-0.0264	0.063	0.210	108353	0.261	0.015	0.122	0.733	0.007	606	13	190	1.14
Start Run 4															
9/15/2022	13:10:18	0.122	-0.0322	0.082	0.597	122812	0.238	0.016	0.138	0.698	0.006	619	13	190	1.14
9/15/2022	13:15:18	0.133	-0.0392	0.078	0.621	126151	0.244	0.016	0.142	0.763	0.006	639	13	190	1.14
9/15/2022	13:20:18	0.130	-0.0289	0.075	0.613	121524	0.239	0.015	0.137	0.751	0.006	627	13	190	1.15
9/15/2022	13:25:18	0.148	-0.0317	0.069	0.659	113691	0.231	0.014	0.130	0.752	0.006	596	13	190	1.15
9/15/2022	13:30:18	0.101	-0.0356	0.075	0.625	130387	0.255	0.016	0.147	0.751	0.007	672	13	190	1.14
9/15/2022	13:35:18	0.120	-0.0323	0.078	0.615	128070	0.241	0.017	0.144	0.744	0.006	633	13	190	1.14
9/15/2022	13:40:18	0.103	-0.0315	0.081	0.626	127529	0.244	0.017	0.145	0.746	0.006	637	13	190	1.14
9/15/2022	13:45:18	0.139	-0.0330	0.069	0.630	119114	0.230	0.016	0.135	0.783	0.006	598	13	190	1.14
9/15/2022	13:50:18	0.108	-0.0344	0.079	0.644	132596	0.249	0.017	0.149	0.828	0.006	655	13	190	1.14
9/15/2022	13:55:18	0.130	-0.0385	0.075	0.586	129572	0.243	0.017	0.146	0.759	0.006	638	13	190	1.14
9/15/2022	14:00:18	0.150	-0.0288	0.063	0.592	118979	0.231	0.016	0.136	0.683	0.006	593	13	190	1.14

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp(C)	Press (atm)
9/15/2022	14:05:18	0.141	-0.0352	0.070	0.640	121493	0.233	0.016	0.138	0.748	0.006	602	13	190	1.14
9/15/2022	14:10:18	0.094	-0.0271	0.074	0.650	133140	0.250	0.018	0.150	0.819	0.006	656	13	190	1.14
Run Averages		**0.125**	**-0.0329**	**0.075**	**0.623**	**125004**	**0.240**	**0.016**	**0.141**	**0.756**	**0.006**	**629**			
9/15/2022	14:15:18	0.120	-0.0293	0.072	0.632	121122	0.234	0.016	0.138	0.712	0.006	605	13	190	1.14
9/15/2022	14:20:18	0.136	-0.0301	0.069	0.637	120290	0.232	0.016	0.137	0.727	0.006	600	13	190	1.14
9/15/2022	14:25:18	0.105	-0.0313	0.074	0.638	129718	0.245	0.017	0.147	0.767	0.006	643	13	190	1.15
9/15/2022	14:30:18	0.397	-0.0277	0.025	0.209	29190	0.200	0.006	0.045	0.245	0.004	176	14	190	1.17
9/15/2022	14:35:18	0.266	-0.0256	0.037	0.094	49970	0.276	0.010	0.073	0.513	0.006	454	14	190	1.15
Start Run 5															
9/15/2022	14:40:18	0.107	-0.0292	0.068	0.308	111601	0.249	0.015	0.127	0.764	0.006	603	13	190	1.14
9/15/2022	14:45:18	0.157	-0.0288	0.063	0.628	117211	0.235	0.015	0.132	0.752	0.006	611	13	190	1.14
9/15/2022	14:50:18	0.114	-0.0343	0.073	0.650	132400	0.261	0.015	0.148	0.807	0.007	697	13	190	1.14
9/15/2022	14:55:18	0.127	-0.0345	0.072	0.612	128413	0.255	0.015	0.144	0.773	0.006	677	13	190	1.14
9/15/2022	15:00:18	0.131	-0.0338	0.074	0.664	126578	0.251	0.015	0.142	0.797	0.006	665	13	190	1.14
9/15/2022	15:05:18	0.115	-0.0318	0.071	0.630	131787	0.258	0.016	0.147	0.791	0.007	685	13	190	1.14
9/15/2022	15:10:18	0.146	-0.0309	0.062	0.626	119441	0.240	0.015	0.135	0.759	0.006	628	13	190	1.15
9/15/2022	15:15:18	0.152	-0.0357	0.064	0.669	115671	0.238	0.014	0.131	0.759	0.006	613	13	190	1.14
9/15/2022	15:20:19	0.125	-0.0455	0.065	0.636	128962	0.251	0.017	0.147	0.763	0.006	653	13	190	1.14
9/15/2022	15:25:18	0.143	-0.0376	0.063	0.662	122807	0.238	0.016	0.140	0.731	0.006	613	13	190	1.14
9/15/2022	15:30:18	0.128	-0.0395	0.066	0.630	133185	0.251	0.017	0.149	0.788	0.006	658	13	190	1.14
9/15/2022	15:35:18	0.145	-0.0363	0.060	0.636	126021	0.240	0.016	0.142	0.790	0.006	628	13	190	1.14
9/15/2022	15:40:18	0.138	-0.0314	0.070	0.590	128380	0.243	0.017	0.144	0.745	0.006	637	13	190	1.14
Run Averages		**0.133**	**-0.0346**	**0.067**	**0.611**	**124804**	**0.247**	**0.016**	**0.141**	**0.771**	**0.006**	**647**			
9/15/2022	15:45:20	0.154	-0.0353	0.066	0.584	125179	0.240	0.016	0.140	0.742	0.006	628	13	190	1.14
9/15/2022	15:50:18	0.478	-0.0312	-0.003	0.028	5386	0.278	0.005	0.013	0.143	0.007	91	16	190	1.17
9/15/2022	15:55:18	0.341	-0.0224	0.006	0.003	9336	0.234	0.005	0.020	0.124	0.006	107	16	190	1.16
9/15/2022	16:00:18	0.053	-0.0317	0.094	0.094	90533	0.328	0.013	0.110	0.881	0.009	614	13	190	1.15
9/15/2022	16:05:20	0.145	-0.0346	0.069	0.603	124873	0.238	0.017	0.141	0.710	0.006	618	13	190	1.14
Start Run 6															
9/15/2022	16:10:18	0.140	-0.0302	0.063	0.629	121133	0.233	0.016	0.137	0.738	0.006	602	13	190	1.14
9/15/2022	16:15:18	0.144	-0.0332	0.066	0.618	124563	0.237	0.016	0.140	0.740	0.006	618	13	190	1.14
9/15/2022	16:20:18	0.128	-0.0399	0.060	0.588	131480	0.245	0.017	0.147	0.747	0.006	644	13	190	1.14
9/15/2022	16:25:18	0.148	-0.0326	0.065	0.612	122985	0.234	0.016	0.138	0.750	0.006	608	13	190	1.14
9/15/2022	16:30:18	0.140	-0.0372	0.065	0.627	124137	0.237	0.017	0.140	0.772	0.006	616	13	190	1.14
9/15/2022	16:35:18	0.145	-0.0323	0.058	0.591	121925	0.235	0.016	0.139	0.701	0.006	607	13	190	1.15
9/15/2022	16:40:18	0.140	-0.0317	0.052	0.634	124816	0.242	0.017	0.143	0.792	0.006	627	13	190	1.15
9/15/2022	16:45:18	0.122	-0.0305	0.059	0.629	130122	0.260	0.016	0.147	0.771	0.007	684	13	190	1.14
9/15/2022	16:50:21	0.152	-0.0357	0.055	0.607	122184	0.245	0.015	0.139	0.728	0.006	639	13	190	1.14

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp(C)	Press (atm)
9/15/2022	16:55:18	0.130	-0.0309	0.065	0.664	124546	0.249	0.016	0.142	0.761	0.006	650	13	190	1.14
9/15/2022	17:00:18	0.151	-0.0351	0.063	0.642	119281	0.238	0.016	0.137	0.714	0.006	612	13	190	1.15
9/15/2022	17:05:18	0.140	-0.0354	0.066	0.650	128201	0.248	0.017	0.145	0.765	0.006	645	13	190	1.14
9/15/2022	17:10:20	0.141	-0.0301	0.050	0.597	124057	0.242	0.016	0.141	0.712	0.006	626	13	190	1.14
Run Averages		**0.140**	**-0.0334**	**0.061**	**0.622**	**124572**	**0.242**	**0.016**	**0.141**	**0.745**	**0.006**	**631**			
9/15/2022	17:15:18	0.132	-0.0366	0.061	0.612	129267	0.249	0.017	0.147	0.732	0.006	648	13	190	1.14
9/15/2022	17:20:18	0.344	-0.0258	0.030	0.323	47014	0.211	0.009	0.071	0.354	0.004	279	14	190	1.17
9/15/2022	17:25:18	0.410	-0.0315	0.015	0.091	24976	0.214	0.006	0.039	0.201	0.005	166	14	190	1.15
Start Run 7															
9/15/2022	17:30:18	0.085	-0.0318	0.068	0.209	105437	0.303	0.014	0.121	0.843	0.008	686	13	190	1.14
9/15/2022	17:35:18	0.145	-0.0345	0.055	0.645	124700	0.252	0.015	0.143	0.782	0.006	654	13	190	1.14
9/15/2022	17:40:18	0.138	-0.0430	0.057	0.647	129581	0.256	0.016	0.147	0.790	0.007	672	13	190	1.14
9/15/2022	17:45:18	0.114	-0.0330	0.063	0.686	127912	0.257	0.016	0.146	0.785	0.007	671	13	190	1.14
9/15/2022	17:50:18	0.138	-0.0350	0.057	0.634	130094	0.257	0.016	0.148	0.790	0.007	676	13	190	1.14
9/15/2022	17:55:18	0.131	-0.0338	0.064	0.665	127403	0.253	0.016	0.145	0.778	0.006	660	13	190	1.15
9/15/2022	18:00:18	0.132	-0.0335	0.062	0.642	126870	0.252	0.016	0.145	0.759	0.006	656	13	190	1.14
9/15/2022	18:05:18	0.132	-0.0320	0.058	0.674	127437	0.254	0.016	0.145	0.781	0.006	662	13	190	1.14
9/15/2022	18:10:20	0.134	-0.0258	0.066	0.651	126774	0.251	0.016	0.145	0.753	0.006	652	13	190	1.14
9/15/2022	18:15:18	0.139	-0.0340	0.059	0.623	126730	0.251	0.016	0.145	0.728	0.006	651	13	190	1.14
9/15/2022	18:20:18	0.140	-0.0392	0.057	0.669	123102	0.247	0.016	0.142	0.759	0.006	637	13	190	1.15
9/15/2022	18:25:18	0.137	-0.0308	0.063	0.630	123296	0.247	0.016	0.142	0.693	0.006	634	13	190	1.14
9/15/2022	18:30:18	0.159	-0.0356	0.061	0.615	127515	0.246	0.016	0.146	0.716	0.006	643	13	190	1.14
Run Averages		**0.133**	**-0.0340**	**0.061**	**0.615**	**125142**	**0.256**	**0.016**	**0.143**	**0.766**	**0.006**	**656**			
9/15/2022	18:36:29	0.295	-0.0037	-0.006	0.017	3895	0.292	0.003	0.009	0.112	0.007	96	16	190	1.17
9/15/2022	18:37:27	0.428	-0.0189	-0.011	-0.247	3360	0.275	0.005	0.013	0.051	0.007	23	16	190	1.17
9/15/2022	18:38:27	0.426	-0.0157	-0.012	-0.129	1442	0.273	0.005	0.013	0.028	0.007	20	16	190	1.17
9/15/2022	18:39:27	0.408	-0.0202	-0.013	-0.087	987	0.087	0.003	0.008	0.020	0.002	6	17	190	1.17
9/15/2022	18:40:27	0.363	-0.0083	-0.004	-0.113	901	0.056	0.003	0.006	0.024	0.000	3	18	190	1.17
9/15/2022	18:41:30	0.364	-0.0124	0.000	-0.103	810	0.055	0.003	0.006	0.022	0.000	3	18	190	1.17
9/15/2022	18:42:27	0.362	-0.0172	-0.003	-0.096	771	0.055	0.003	0.006	0.022	0.000	3	18	190	1.17
9/15/2022	18:43:27	0.353	-0.0208	-0.003	-0.095	756	0.056	0.003	0.006	0.022	0.000	3	18	190	1.17
		0.353													
9/15/2022	18:44:27	95.013	-0.0184	-0.001	-0.106	767	0.170	0.003	0.007	0.025	0.007	13	18	190	1.17
9/15/2022	18:45:27	98.997	-0.0232	0.001	-0.103	706	0.118	0.003	0.007	0.024	0.007	12	18	190	1.17
9/15/2022	18:46:27	99.057	-0.0161	-0.001	-0.101	661	0.117	0.003	0.007	0.024	0.007	12	18	190	1.17
9/15/2022	18:47:27	99.152	-0.0176	-0.004	-0.091	647	0.119	0.003	0.007	0.024	0.007	12	18	190	1.17
9/15/2022	18:48:27	99.151	-0.0144	-0.006	-0.089	638	0.118	0.003	0.007	0.022	0.007	13	18	190	1.17
9/15/2022	18:49:27	99.043	-0.0140	0.005	-0.086	602	0.118	0.003	0.007	0.021	0.007	12	18	190	1.17

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp(C)	Press (atm)
		99.043													
9/15/2022	18:50:27	1.125	-0.0096	-0.004	-0.080	626	0.056	0.003	0.006	0.019	0.000	3	18	190	1.17
9/15/2022	18:51:27	0.412	-0.0060	-0.003	-0.080	623	0.053	0.003	0.007	0.020	0.000	3	18	190	1.17
9/15/2022	18:52:27	0.381	-0.0127	-0.007	-0.080	610	0.053	0.003	0.007	0.021	0.000	3	18	190	1.17
9/15/2022	18:53:29	0.367	-0.0138	-0.003	-0.083	614	0.053	0.003	0.007	0.022	0.000	3	18	190	1.17
9/15/2022	18:54:27	0.378	-0.0113	0.000	-0.081	596	0.053	0.003	0.007	0.022	0.000	3	18	190	1.17
		0.378													
9/15/2022	18:55:28	63.757	-0.0125	-0.007	-0.052	274	0.178	0.003	0.007	0.021	0.009	10	18	190	1.10
9/15/2022	18:56:27	98.413	-0.0047	-0.005	-0.037	260	0.094	0.003	0.007	0.025	0.003	5	18	190	1.08
9/15/2022	18:57:27	99.949	-0.0160	-0.005	-0.036	267	0.102	0.003	0.007	0.025	0.006	5	18	190	1.08
9/15/2022	18:58:27	100.026	-0.0129	-0.010	-0.043	262	0.101	0.003	0.007	0.025	0.006	5	18	190	1.08
9/15/2022	18:59:30	99.885	-0.0141	-0.003	-0.042	271	0.101	0.003	0.007	0.026	0.006	4	18	190	1.08
		99.885													
9/15/2022	19:00:30	14.478	-0.0199	-0.008	-0.037	233	0.081	0.003	0.006	0.023	0.003	1	18	190	1.08
9/15/2022	19:01:27	0.411	-0.0128	-0.008	-0.034	219	0.053	0.003	0.007	0.023	0.000	1	18	190	1.08
9/15/2022	19:02:27	0.393	-0.0206	-0.002	-0.036	217	0.053	0.003	0.007	0.022	0.000	1	18	190	1.08
9/15/2022	19:03:29	0.385	-0.0102	-0.010	-0.033	207	0.052	0.003	0.007	0.022	0.000	1	18	190	1.08
9/15/2022	19:04:27	0.388	-0.0148	-0.009	-0.034	204	0.053	0.003	0.007	0.021	0.000	1	18	190	1.08
9/15/2022	19:05:27	0.395	-0.0154	-0.005	-0.027	198	0.052	0.003	0.007	0.021	0.000	1	18	190	1.08

Client: Georgia Power
Facility: Plant McInstosh
Source: Unit 1
Condition: Natural Gas Max

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp(C)	Press (atm)
9/16/2022	8:13:27	0.357	-0.0204	0.010	0.004	0.007	7	0.030	0.003	0.007	0.005	0.000	0	18	190	0.991
9/16/2022	8:14:27	0.361	-0.0222	0.010	0.002	0.007	-21	0.029	0.003	0.007	0.006	0.000	0	18	190	0.991
9/16/2022	8:15:27	0.342	-0.0179	0.013	0.002	0.007	-5	0.029	0.003	0.007	0.006	0.000	0	18	190	0.991
9/16/2022	8:16:29	0.338	-0.0177	0.014	-0.004	0.007	-16	0.029	0.003	0.007	0.006	0.000	0	18	190	0.991
9/16/2022	8:17:27	0.337	-0.0235	0.001	-0.001	0.007	30	0.029	0.003	0.007	0.006	0.000	0	18	190	0.991
9/16/2022	8:18:27	0.356	-0.0189	0.008	-0.016	0.006	67	0.030	0.003	0.007	0.009	0.000	0	18	190	0.991
9/16/2022	8:19:27	0.338	-0.0159	0.007	-0.021	0.006	78	0.029	0.003	0.007	0.012	0.000	0	18	190	0.991
Direct Zero		**0.338**														
9/16/2022	8:20:27	0.344	-0.0261	0.003	-0.028	0.007	79	0.029	0.003	0.007	0.013	0.000	0	18	190	0.991
9/16/2022	8:21:27	72.492	-0.0159	0.002	-0.031	0.023	94	0.140	0.003	0.007	0.017	0.007	3	18	190	0.991
9/16/2022	8:22:27	98.674	-0.0191	0.001	-0.034	0.008	-55	0.066	0.003	0.007	0.018	0.002	3	18	190	0.991
9/16/2022	8:23:27	100.274	-0.0200	0.003	-0.025	0.000	1	0.075	0.003	0.007	0.017	0.006	3	18	190	0.991
9/16/2022	8:24:27	100.194	-0.0234	0.005	-0.036	0.002	-22	0.077	0.003	0.007	0.016	0.006	3	18	190	0.991
9/16/2022	8:25:27	100.335	-0.0218	-0.001	-0.025	0.001	-33	0.076	0.003	0.007	0.015	0.006	3	18	190	0.991
Direct CTS		**100.335**														
9/16/2022	8:26:27	17.731	0.3158	0.007	-0.027	3.593	163	0.132	0.003	0.006	0.015	0.008	1	18	190	0.991
9/16/2022	8:27:32	-4.146	0.6899	-0.004	-0.007	5.077	57	0.121	0.003	0.008	0.007	0.007	1	18	190	0.991
9/16/2022	8:28:27	-4.081	0.8252	0.000	-0.007	5.084	35	0.117	0.003	0.008	0.006	0.007	0	18	190	0.991
9/16/2022	8:31:08	-3.212	0.8953	-0.005	0.005	4.828	-3	0.105	0.003	0.007	0.006	0.006	0	18	190	0.991
9/16/2022	8:32:07	-4.168	0.9352	0.010	0.006	5.093	6	0.119	0.004	0.009	0.006	0.007	0	18	190	0.991
9/16/2022	8:33:07	-4.089	0.9373	-0.005	0.008	5.088	-9	0.116	0.004	0.009	0.007	0.007	0	18	190	0.991
9/16/2022	8:34:07	-4.177	0.9430	-0.006	-0.008	5.077	8	0.121	0.004	0.009	0.006	0.007	0	18	190	0.991
9/16/2022	8:35:07	-4.267	0.9590	0.003	-0.010	5.082	33	0.124	0.004	0.009	0.007	0.007	0	18	190	0.991
9/16/2022	8:36:57	-3.332	0.9520	-0.018	-0.009	4.817	55	0.111	0.003	0.007	0.007	0.006	0	18	190	0.991
9/16/2022	8:37:57	-4.304	0.9635	-0.006	-0.023	5.070	107	0.126	0.004	0.009	0.012	0.007	0	18	190	0.991
9/16/2022	8:38:57	-4.307	0.9660	-0.002	-0.026	5.065	108	0.127	0.004	0.009	0.013	0.007	0	18	190	0.991
9/16/2022	8:39:57	-4.270	0.9668	-0.003	-0.031	5.074	120	0.126	0.004	0.009	0.013	0.007	0	18	190	0.991
9/16/2022	8:40:57	-4.238	0.9659	0.006	-0.021	5.067	101	0.124	0.004	0.008	0.012	0.007	0	18	190	0.991
9/16/2022	8:41:57	-4.321	0.9742	-0.001	-0.017	5.076	59	0.126	0.004	0.009	0.010	0.007	0	18	190	0.991
9/16/2022	8:42:57	60.204	0.3314	0.004	-0.016	1.384	46	0.149	0.003	0.007	0.010	0.009	2	18	190	0.991
9/16/2022	8:43:57	99.030	-0.0057	-0.005	-0.014	0.012	-123	0.066	0.003	0.007	0.011	0.002	3	18	190	0.991
9/16/2022	8:44:57	100.544	-0.0028	-0.004	-0.011	0.003	-125	0.075	0.003	0.007	0.010	0.006	3	18	190	0.991
9/16/2022	8:45:57	100.774	-0.0274	-0.001	-0.006	0.002	-117	0.075	0.003	0.007	0.010	0.006	3	18	190	0.991
9/16/2022	8:46:57	18.634	-0.0133	0.002	0.001	0.023	-36	0.073	0.003	0.006	0.007	0.003	1	18	190	0.991

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp(C)	Press (atm)
9/16/2022	8:47:58	0.371	-0.0132	0.004	0.007	0.007	-9	0.030	0.003	0.006	0.007	0.000	0	18	190	0.991
9/16/2022	8:48:57	0.346	-0.0091	0.003	0.003	0.008	-21	0.029	0.003	0.006	0.007	0.000	0	18	190	0.991
9/16/2022	8:49:57	0.348	-0.0238	0.000	0.000	0.007	-14	0.029	0.003	0.007	0.007	0.000	0	18	190	0.991
9/16/2022	8:50:57	0.334	-0.0201	0.007	0.003	0.007	-36	0.029	0.003	0.006	0.008	0.000	0	18	190	0.991
9/16/2022	8:51:59	0.334	-0.0141	-0.002	0.014	0.007	-34	0.028	0.003	0.006	0.008	0.000	0	18	190	0.991
9/16/2022	8:52:57	0.339	-0.0159	0.006	0.007	0.007	-14	0.029	0.003	0.006	0.007	0.000	0	18	190	0.991
9/16/2022	8:55:59	0.009	-0.0007	-0.004	-0.006	0.000	48	0.004	0.002	0.004	0.006	0.000	0	18	190	0.991
9/16/2022	8:56:57	0.104	0.2292	-0.004	-0.016	1.047	81	0.071	0.002	0.004	0.009	0.004	0	18	190	0.991
9/16/2022	8:57:57	-0.288	0.6149	-0.010	-0.016	2.664	93	0.145	0.002	0.005	0.011	0.009	0	18	190	0.992
9/16/2022	8:58:57	-4.642	0.7967	-0.005	-0.019	4.973	111	0.129	0.003	0.006	0.012	0.007	0	18	190	0.991
9/16/2022	8:59:59	-4.588	0.8204	-0.003	-0.018	4.968	76	0.128	0.002	0.006	0.010	0.007	0	18	190	0.991
9/16/2022	9:00:59	-4.504	0.8330	-0.004	-0.008	4.977	59	0.124	0.002	0.006	0.008	0.007	0	18	190	0.991
9/16/2022	9:02:00	-4.628	0.8392	-0.005	-0.005	4.982	61	0.128	0.002	0.006	0.005	0.007	0	18	190	0.991
9/16/2022	9:02:57	-4.492	0.8449	-0.006	-0.003	4.988	1	0.122	0.003	0.006	0.004	0.007	0	18	190	0.991
9/16/2022	9:03:57	-4.564	0.8486	-0.007	0.004	4.992	-6	0.124	0.003	0.006	0.004	0.007	0	18	190	0.991
9/16/2022	9:04:57	-4.567	0.8566	-0.013	0.006	4.992	-22	0.124	0.003	0.006	0.005	0.007	0	18	190	0.991
9/16/2022	9:05:57	-4.461	0.8701	-0.006	0.008	4.991	-12	0.121	0.003	0.006	0.006	0.007	0	18	190	0.991
9/16/2022	9:06:57	-4.460	0.8693	-0.008	0.008	4.995	-27	0.121	0.003	0.006	0.006	0.007	0	18	190	0.991
9/16/2022	9:07:57	-4.551	0.8606	-0.008	0.011	4.992	-41	0.123	0.003	0.006	0.007	0.007	0	18	190	0.991
9/16/2022	9:08:57	-4.612	0.8731	-0.010	0.009	4.994	-34	0.126	0.003	0.007	0.008	0.007	0	18	190	0.991
9/16/2022	9:09:57	-4.642	0.8792	-0.006	0.021	4.993	-40	0.127	0.003	0.007	0.008	0.007	0	18	190	0.991
9/16/2022	9:10:57	-4.600	0.8691	-0.006	0.013	4.989	-29	0.126	0.003	0.006	0.008	0.007	0	18	190	0.991
9/16/2022	9:11:57	-4.579	0.8827	-0.009	0.016	4.993	-42	0.126	0.003	0.006	0.007	0.007	0	18	190	0.991
9/16/2022	9:12:57	-4.627	0.8808	-0.012	0.010	4.990	-14	0.127	0.003	0.006	0.005	0.007	0	18	190	0.991
9/16/2022	9:13:57	-4.783	0.8902	-0.012	0.006	4.989	10	0.132	0.003	0.007	0.004	0.008	0	18	190	0.991
9/16/2022	9:14:57	-4.714	0.8789	-0.005	-0.001	4.980	48	0.130	0.003	0.007	0.006	0.007	0	18	190	0.991
9/16/2022	9:15:57	-4.634	0.8740	-0.006	-0.007	4.976	70	0.128	0.003	0.007	0.009	0.007	0	18	190	0.991
9/16/2022	9:16:57	-4.596	0.8832	-0.009	-0.016	4.971	102	0.127	0.003	0.007	0.011	0.007	0	18	190	0.991
9/16/2022	9:17:57	-4.629	0.8773	-0.012	-0.015	4.968	69	0.129	0.003	0.007	0.010	0.007	0	18	190	0.991
9/16/2022	9:18:57	-4.488	0.8740	-0.012	-0.015	4.971	55	0.124	0.003	0.006	0.008	0.007	0	18	190	0.991
9/16/2022	9:19:57	-4.650	0.8816	-0.004	-0.010	4.978	69	0.129	0.003	0.006	0.006	0.007	0	18	190	0.991
9/16/2022	9:21:03	-4.592	0.8851	-0.007	0.001	4.982	33	0.126	0.003	0.006	0.004	0.007	0	18	190	0.991
9/16/2022	9:21:57	-4.466	0.8823	-0.005	-0.002	4.984	26	0.122	0.003	0.006	0.004	0.007	0	18	190	0.991
9/16/2022	9:22:57	-4.561	0.8842	-0.005	0.007	4.980	-14	0.125	0.003	0.006	0.004	0.007	0	18	190	0.991
9/16/2022	9:23:57	-4.565	0.8778	-0.014	0.015	4.986	-6	0.124	0.003	0.007	0.005	0.007	0	18	190	0.991
9/16/2022	9:24:57	-4.555	0.8766	-0.006	0.012	4.983	-5	0.125	0.003	0.006	0.006	0.007	0	18	190	0.991
9/16/2022	9:26:00	-4.580	0.8844	-0.004	0.013	4.991	-12	0.124	0.003	0.006	0.007	0.007	0	18	190	0.991
9/16/2022	9:26:57	-4.621	0.8847	-0.006	0.015	4.996	-44	0.126	0.003	0.006	0.008	0.007	0	18	190	0.991

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp(C)	Press (atm)
9/16/2022	9:27:57	-4.542	0.8934	-0.007	0.016	4.991	-34	0.124	0.003	0.007	0.007	0.007	0	18	190	0.991
9/16/2022	9:28:57	-4.538	0.8761	-0.006	0.012	4.992	-29	0.123	0.003	0.006	0.006	0.007	0	18	190	0.991
9/16/2022	9:29:58	-4.510	0.8876	-0.002	0.013	4.995	-22	0.122	0.003	0.006	0.006	0.007	0	18	190	0.991
9/16/2022	9:30:57	-4.576	0.8784	-0.010	0.004	4.992	-29	0.125	0.003	0.006	0.007	0.007	0	18	190	0.991
9/16/2022	9:31:57	-4.625	0.8854	-0.006	0.019	5.000	-13	0.126	0.003	0.007	0.008	0.007	0	18	190	0.991
9/16/2022	9:32:57	-4.535	0.8931	-0.007	0.014	4.991	-57	0.123	0.003	0.006	0.008	0.007	0	18	190	0.991
9/16/2022	9:33:57	-4.493	0.8790	-0.010	0.016	4.993	-32	0.122	0.003	0.006	0.008	0.007	0	18	190	0.991
9/16/2022	9:34:57	-4.647	0.8849	-0.003	0.017	4.994	-35	0.126	0.003	0.006	0.009	0.007	0	18	190	0.991
9/16/2022	9:35:58	-4.538	0.8828	-0.016	0.018	4.987	-63	0.123	0.003	0.006	0.010	0.007	0	18	190	0.991
9/16/2022	9:36:57	-4.569	0.8845	-0.009	0.017	4.994	-39	0.124	0.003	0.006	0.010	0.007	0	18	190	0.991
9/16/2022	9:37:57	-4.720	0.8876	-0.013	0.022	4.994	-58	0.130	0.003	0.007	0.010	0.007	0	18	190	0.991
9/16/2022	9:38:57	-4.634	0.8797	-0.009	0.020	4.996	-70	0.126	0.003	0.006	0.011	0.007	0	18	190	0.991
9/16/2022	9:39:57	-4.607	0.8811	-0.008	0.019	4.999	-64	0.125	0.003	0.006	0.011	0.007	0	18	190	0.991
9/16/2022	9:40:57	-4.517	0.8898	-0.009	0.012	4.985	-89	0.123	0.003	0.006	0.011	0.007	0	18	190	0.991
9/16/2022	9:41:57	-4.643	0.8811	-0.010	0.014	4.997	-65	0.126	0.003	0.007	0.010	0.007	0	18	190	0.991
9/16/2022	9:42:57	-4.631	0.8873	-0.008	0.025	4.994	-59	0.127	0.003	0.006	0.010	0.007	0	18	190	0.991
9/16/2022	9:43:57	-4.552	0.8905	-0.011	0.019	4.994	-44	0.123	0.003	0.006	0.009	0.007	0	18	190	0.991
9/16/2022	9:44:57	-4.585	0.8893	-0.019	0.021	5.000	-43	0.124	0.003	0.007	0.009	0.007	0	18	190	0.991
9/16/2022	9:45:57	-4.581	0.8912	-0.010	0.016	4.992	-46	0.125	0.003	0.007	0.010	0.007	0	18	190	0.991
9/16/2022	9:46:57	-4.559	0.8921	-0.012	0.019	4.993	-85	0.125	0.003	0.006	0.010	0.007	0	18	190	0.991
9/16/2022	9:47:57	-4.523	0.8871	-0.014	0.023	4.989	-60	0.123	0.003	0.006	0.011	0.007	0	18	190	0.991
9/16/2022	9:48:57	-4.556	0.8812	-0.002	0.021	4.998	-48	0.123	0.003	0.006	0.011	0.007	0	18	190	0.991
9/16/2022	9:49:57	-4.618	0.8981	-0.009	0.025	4.997	-80	0.127	0.003	0.007	0.011	0.007	0	18	190	0.991
9/16/2022	9:50:57	-4.712	0.8853	-0.014	0.028	5.000	-70	0.128	0.003	0.006	0.011	0.007	0	18	190	0.991
9/16/2022	9:51:57	-4.691	0.8875	-0.008	0.028	4.995	-75	0.128	0.003	0.006	0.011	0.007	0	18	190	0.991
9/16/2022	9:52:57	-4.645	0.8880	-0.012	0.024	5.000	-82	0.126	0.003	0.007	0.012	0.007	0	18	190	0.991
9/16/2022	9:53:57	-4.591	0.8874	-0.008	0.021	5.002	-67	0.125	0.003	0.007	0.012	0.007	0	18	190	0.991
9/16/2022	9:54:59	-4.646	0.8879	-0.010	0.024	5.003	-91	0.127	0.003	0.007	0.012	0.007	0	18	190	0.991
9/16/2022	9:55:57	-4.678	0.8861	-0.008	0.019	4.992	-74	0.128	0.003	0.007	0.012	0.007	0	18	190	0.991
9/16/2022	9:56:57	-4.565	0.8948	-0.012	0.014	4.990	-33	0.125	0.003	0.007	0.007	0.007	0	18	190	0.991
9/16/2022	9:57:57	-4.618	0.8951	-0.014	0.013	4.996	-42	0.127	0.003	0.007	0.007	0.007	0	18	190	0.991
9/16/2022	9:59:00	-4.744	0.8934	-0.018	0.014	4.984	-21	0.133	0.003	0.007	0.008	0.007	0	18	190	0.991
9/16/2022	9:59:57	-4.590	0.8812	-0.002	0.016	4.981	-35	0.128	0.003	0.007	0.008	0.007	0	18	190	0.991
9/16/2022	10:00:57	-4.691	0.8883	-0.003	0.019	4.989	-43	0.130	0.003	0.007	0.007	0.007	0	18	190	0.991
9/16/2022	10:01:57	-4.718	0.8857	-0.012	0.019	4.987	-56	0.131	0.003	0.007	0.008	0.007	0	18	190	0.991
9/16/2022	10:02:57	-4.621	0.8812	-0.014	0.014	4.986	-67	0.128	0.003	0.007	0.009	0.007	0	18	190	0.991
9/16/2022	10:03:57	-4.660	0.8870	-0.005	0.010	4.987	-58	0.130	0.003	0.007	0.009	0.007	0	18	190	0.991
Direct Formaldhyde Cal			**0.8847**			**4.986**										

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp(C)	Press (atm)
9/16/2022	10:04:57	0.343	0.3990	-0.005	0.015	1.539	-58	0.112	0.002	0.005	0.009	0.006	0	18	190	0.991
9/16/2022	10:06:00	-0.015	0.0160	-0.001	0.017	0.001	-48	0.009	0.002	0.005	0.008	0.000	0	18	190	0.991
9/16/2022	10:06:57	-0.032	0.0011	-0.002	0.009	0.000	-3	0.011	0.002	0.005	0.004	0.000	0	18	190	0.991
9/16/2022	10:07:57	-0.007	0.0082	-0.003	-0.002	0.000	33	0.010	0.002	0.005	0.004	0.000	0	18	190	0.991
9/16/2022	10:08:57	-0.023	0.0022	0.004	-0.006	0.000	50	0.010	0.002	0.005	0.005	0.000	0	18	190	0.991
9/16/2022	10:09:57	-0.013	0.0087	-0.006	-0.007	0.000	74	0.009	0.002	0.005	0.007	0.000	0	18	190	0.991
9/16/2022	10:10:57	-0.010	-0.0017	-0.016	-0.010	-0.001	77	0.009	0.002	0.005	0.009	0.000	0	18	190	0.991
9/16/2022	10:11:57	-0.010	-0.0030	-0.007	-0.024	0.000	95	0.009	0.002	0.004	0.011	0.000	0	18	190	0.991
9/16/2022	10:12:57	0.015	0.0067	-0.002	-0.015	-0.001	77	0.009	0.002	0.005	0.009	0.000	0	18	190	0.991
9/16/2022	10:13:57	-0.014	-0.0019	-0.013	-0.004	-0.001	44	0.009	0.002	0.004	0.006	0.000	0	18	190	0.991
9/16/2022	10:14:57	0.014	-0.0117	-0.003	-0.002	-0.001	29	0.008	0.002	0.005	0.004	0.000	0	18	190	0.991
9/16/2022	10:15:57	-0.001	0.0048	0.001	0.004	-0.001	13	0.007	0.002	0.005	0.004	0.000	0	18	190	0.991
9/16/2022	10:16:57	-0.030	0.0092	-0.007	0.000	-0.001	2	0.009	0.002	0.004	0.004	0.000	0	18	190	0.991
9/16/2022	10:17:57	-0.023	-0.0067	-0.006	0.004	-0.001	-11	0.009	0.002	0.004	0.004	0.000	0	18	190	0.991
9/16/2022	10:18:57	-0.007	-0.0009	-0.004	0.006	0.000	11	0.009	0.002	0.005	0.004	0.000	0	18	190	0.991
9/16/2022	10:19:57	-0.010	0.0017	0.000	0.009	-0.001	2	0.008	0.002	0.004	0.005	0.000	0	18	190	0.991
9/16/2022	10:20:57	-0.005	-0.0131	-0.003	0.009	-0.001	-24	0.008	0.002	0.004	0.006	0.000	0	18	190	0.991
9/16/2022	10:21:57	-0.011	0.0002	-0.003	0.012	-0.001	-47	0.008	0.002	0.004	0.007	0.000	0	18	190	0.991
9/16/2022	10:22:57	-0.035	-0.0011	-0.010	0.016	0.000	-40	0.009	0.002	0.004	0.007	0.000	0	18	190	0.984
9/16/2022	10:23:57	-0.045	0.0011	-0.005	0.015	0.000	-53	0.010	0.002	0.004	0.008	0.000	0	18	190	0.984
9/16/2022	10:24:57	-0.035	0.0082	-0.004	0.014	0.001	-76	0.009	0.002	0.005	0.009	0.000	0	18	190	0.984
9/16/2022	10:25:57	-0.047	-0.0015	-0.010	0.016	0.001	-77	0.011	0.002	0.005	0.009	0.000	0	18	190	0.984
9/16/2022	10:26:57	-0.058	0.0097	-0.003	0.009	0.001	-68	0.011	0.002	0.005	0.009	0.000	0	18	190	0.984
9/16/2022	10:27:57	-0.049	0.0060	-0.006	0.018	0.003	-71	0.012	0.002	0.005	0.009	0.000	0	18	190	0.984
9/16/2022	10:28:57	-0.038	-0.0017	0.000	0.024	0.002	-76	0.012	0.002	0.006	0.010	0.000	0	18	190	0.984
9/16/2022	10:29:57	-0.027	0.0089	-0.008	-0.073	-0.001	702	0.024	0.002	0.004	0.045	0.001	2	18	190	0.989
9/16/2022	10:30:57	0.003	-0.0069	-0.010	-0.064	0.001	655	0.012	0.002	0.004	0.015	0.000	2	18	190	0.991
9/16/2022	10:31:57	0.006	-0.0071	-0.001	-0.056	0.000	538	0.014	0.002	0.004	0.018	0.000	2	18	190	0.991
9/16/2022	10:32:57	0.004	-0.0016	-0.003	-0.050	0.000	498	0.013	0.002	0.004	0.017	0.000	2	18	190	0.990
9/16/2022	10:33:57	-0.011	-0.0022	-0.006	-0.035	0.000	413	0.012	0.002	0.004	0.015	0.000	1	18	190	0.992
9/16/2022	10:34:57	-0.008	-0.0010	-0.009	-0.026	-0.001	343	0.012	0.002	0.004	0.013	0.000	1	18	190	0.992
9/16/2022	10:35:57	-0.018	-0.0043	0.001	-0.020	0.000	296	0.013	0.002	0.004	0.017	0.000	1	18	190	0.992
9/16/2022	10:36:57	-0.013	0.0010	0.001	-0.012	0.000	262	0.013	0.002	0.004	0.015	0.000	1	18	190	0.992
9/16/2022	10:37:57	-0.017	-0.0017	-0.003	-0.010	-0.001	227	0.012	0.002	0.004	0.014	0.000	1	18	190	0.992
9/16/2022	10:38:57	-0.025	-0.0064	0.003	-0.008	0.000	196	0.011	0.002	0.004	0.013	0.000	1	18	190	0.992
9/16/2022	10:39:57	-0.016	0.0049	-0.003	-0.015	-0.001	185	0.011	0.002	0.004	0.012	0.000	1	18	190	0.992
9/16/2022	10:40:57	-0.008	0.0029	-0.009	-0.012	0.000	180	0.011	0.002	0.004	0.011	0.000	1	18	190	0.992
9/16/2022	10:41:57	-0.013	0.0010	-0.001	-0.011	-0.001	161	0.011	0.002	0.004	0.011	0.000	1	18	190	0.992

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp(C)	Press (atm)
9/16/2022	10:42:57	-0.020	-0.0019	-0.001	-0.005	-0.001	151	0.011	0.002	0.004	0.011	0.000	1	18	190	0.992
9/16/2022	10:43:57	-0.021	-0.0059	-0.003	-0.002	-0.001	139	0.011	0.002	0.004	0.011	0.000	0	18	190	0.992
9/16/2022	10:44:58	-0.024	-0.0010	-0.002	-0.005	0.000	106	0.012	0.002	0.004	0.011	0.000	0	18	190	0.992
9/16/2022	10:45:57	-0.014	-0.0001	-0.008	0.004	-0.001	128	0.011	0.002	0.004	0.011	0.000	0	18	190	0.992
9/16/2022	10:46:59	0.017	0.0020	0.007	0.021	2.616	-49	0.152	0.002	0.005	0.010	0.009	0	18	190	1.016
9/16/2022	10:47:57	-4.425	-0.0055	0.004	0.025	4.857	-57	0.129	0.002	0.005	0.011	0.007	0	17	190	0.996
9/16/2022	10:48:57	-4.410	0.0079	0.160	0.020	4.849	-80	0.129	0.002	0.004	0.011	0.007	0	18	190	0.995
9/16/2022	10:49:57	-4.459	0.0069	1.044	0.020	4.855	-90	0.131	0.003	0.007	0.012	0.007	0	17	190	0.995
9/16/2022	10:50:58	-4.449	0.0263	2.404	0.025	4.853	-63	0.131	0.007	0.014	0.012	0.007	0	18	190	0.995
9/16/2022	10:51:58	-4.410	0.0425	3.825	0.024	4.852	-83	0.130	0.011	0.022	0.012	0.007	0	18	190	0.995
9/16/2022	10:52:57	-4.461	0.0510	5.057	0.024	4.854	-68	0.132	0.015	0.030	0.013	0.007	0	17	190	0.995
9/16/2022	10:53:57	-3.681	0.0616	6.074	0.025	4.787	-79	0.112	0.018	0.035	0.013	0.006	0	18	190	0.995
9/16/2022	10:54:57	-4.568	0.0733	7.226	0.024	4.849	-62	0.136	0.021	0.042	0.012	0.008	0	17	190	0.995
9/16/2022	10:55:57	-4.482	0.0883	8.068	0.023	4.847	-80	0.133	0.023	0.046	0.012	0.008	0	17	190	0.995
9/16/2022	10:56:57	-4.495	0.0898	8.811	0.023	4.848	-91	0.135	0.025	0.050	0.013	0.008	0	18	190	0.995
9/16/2022	10:57:57	-3.773	0.0955	9.349	0.020	4.789	-91	0.116	0.026	0.054	0.013	0.007	0	18	190	0.994
9/16/2022	10:58:57	-4.514	0.1099	9.967	0.025	4.855	-83	0.133	0.028	0.057	0.012	0.008	0	18	190	0.994
9/16/2022	10:59:57	-4.610	0.0973	10.393	0.026	4.859	-67	0.136	0.029	0.060	0.013	0.008	0	18	190	0.994
9/16/2022	11:00:57	-4.439	0.1067	10.757	0.024	4.846	-102	0.132	0.030	0.061	0.014	0.008	0	18	190	0.994
9/16/2022	11:01:57	-4.469	0.1109	11.085	0.026	4.850	-75	0.133	0.031	0.063	0.013	0.008	0	18	190	0.994
9/16/2022	11:02:57	-4.562	0.1263	11.343	0.027	4.853	-71	0.135	0.032	0.065	0.013	0.008	0	18	190	0.994
9/16/2022	11:03:57	-4.581	0.1202	11.575	0.030	4.855	-87	0.136	0.032	0.066	0.013	0.008	0	18	190	0.994
9/16/2022	11:04:57	-4.620	0.1271	11.786	0.030	4.856	-77	0.138	0.033	0.067	0.014	0.008	0	18	190	0.994
9/16/2022	11:05:57	-3.740	0.1159	11.857	0.034	4.801	-77	0.113	0.033	0.067	0.015	0.007	0	18	190	0.994
9/16/2022	11:06:57	-4.440	0.1334	12.114	0.036	4.859	-100	0.131	0.033	0.067	0.015	0.007	0	18	190	0.994
9/16/2022	11:07:57	-4.419	0.1383	12.241	0.030	4.854	-109	0.130	0.034	0.069	0.015	0.007	0	18	190	0.994
9/16/2022	11:08:57	-4.572	0.1447	12.355	0.028	4.852	-112	0.135	0.034	0.069	0.015	0.008	0	18	190	0.994
9/16/2022	11:09:57	-4.487	0.1366	12.458	0.025	4.851	-107	0.133	0.035	0.070	0.015	0.008	0	17	190	0.994
9/16/2022	11:10:57	-3.837	0.1315	12.437	0.032	4.792	-123	0.117	0.034	0.070	0.015	0.007	0	17	190	0.994
9/16/2022	11:11:57	-4.544	0.1399	12.651	0.030	4.848	-85	0.136	0.035	0.072	0.014	0.008	1	17	190	0.994
9/16/2022	11:12:57	-4.389	0.1506	12.823	0.023	4.849	-93	0.130	0.036	0.074	0.015	0.007	0	17	190	0.994
9/16/2022	11:13:57	-4.568	0.1446	12.936	0.027	4.845	-97	0.137	0.036	0.073	0.014	0.008	0	18	190	0.994
9/16/2022	11:14:58	-3.793	0.1434	12.864	0.027	4.795	-97	0.117	0.035	0.072	0.015	0.007	0	17	190	0.994
9/16/2022	11:15:57	-4.444	0.1441	13.106	0.026	4.842	-107	0.133	0.036	0.073	0.014	0.008	0	18	190	0.994
9/16/2022	11:16:57	-4.613	0.1377	13.187	0.031	4.853	-109	0.137	0.036	0.074	0.014	0.008	0	18	190	0.994
9/16/2022	11:17:57	-3.826	0.1475	13.121	0.022	4.789	-94	0.118	0.036	0.073	0.015	0.007	0	17	190	0.994
9/16/2022	11:19:00	-4.481	0.1430	13.334	0.031	4.850	-89	0.133	0.034	0.070	0.013	0.008	0	17	190	0.994
9/16/2022	11:19:57	-3.700	0.1373	13.269	0.027	4.788	-95	0.114	0.034	0.069	0.013	0.007	0	17	190	0.994

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp(C)	Press (atm)
9/16/2022	11:20:57	-4.607	0.1421	13.476	0.026	4.850	-77	0.137	0.034	0.069	0.013	0.008	0	17	190	0.994
9/16/2022	11:21:57	-4.436	0.1477	13.550	0.021	4.849	-67	0.131	0.033	0.068	0.011	0.007	0	17	190	0.994
9/16/2022	11:22:57	-4.449	0.1423	13.559	0.026	4.848	-56	0.132	0.034	0.069	0.010	0.008	0	17	190	0.994
9/16/2022	11:23:57	-4.465	0.1394	13.589	0.021	4.843	-74	0.133	0.035	0.071	0.010	0.008	0	17	190	0.994
9/16/2022	11:24:57	-4.380	0.1490	13.635	0.026	4.847	-84	0.130	0.035	0.070	0.011	0.007	0	17	190	0.994
9/16/2022	11:25:57	-4.440	0.1559	13.674	0.023	4.844	-71	0.133	0.035	0.071	0.012	0.008	0	17	190	0.994
9/16/2022	11:26:57	-3.730	0.1526	13.551	0.026	4.798	-66	0.114	0.034	0.070	0.012	0.007	0	17	190	0.994
9/16/2022	11:27:57	-4.430	0.1526	13.728	0.024	4.849	-61	0.132	0.034	0.070	0.012	0.007	0	17	190	0.994
9/16/2022	11:28:57	-4.356	0.1404	13.756	0.025	4.847	-79	0.129	0.035	0.072	0.012	0.007	0	17	190	0.993
9/16/2022	11:29:57	-4.398	0.1472	13.803	0.024	4.842	-86	0.132	0.035	0.071	0.012	0.007	0	17	190	0.993
9/16/2022	11:30:57	-4.412	0.1601	13.969	0.015	4.843	-70	0.131	0.036	0.074	0.010	0.007	0	17	190	0.996
9/16/2022	11:31:57	-4.518	0.1535	14.819	0.024	4.839	-56	0.136	0.038	0.078	0.010	0.008	0	17	190	0.999
9/16/2022	11:32:57	-4.518	0.1518	14.707	0.025	4.839	-78	0.137	0.037	0.076	0.011	0.008	0	17	190	0.998
9/16/2022	11:33:57	-4.648	0.1526	14.396	0.021	4.846	-51	0.140	0.037	0.075	0.011	0.008	0	17	190	0.996
9/16/2022	11:34:57	-4.584	0.1540	14.369	0.022	4.841	-75	0.139	0.037	0.075	0.011	0.008	0	17	190	0.995
9/16/2022	11:35:57	-4.527	0.1599	14.369	0.017	4.837	-93	0.137	0.037	0.075	0.012	0.008	0	17	190	0.995
9/16/2022	11:36:57	-3.765	0.1490	14.226	0.023	4.788	-91	0.117	0.037	0.075	0.013	0.007	0	17	190	0.995
9/16/2022	11:37:57	-4.597	0.1559	14.392	0.026	4.849	-86	0.137	0.038	0.077	0.013	0.008	0	17	190	0.995
9/16/2022	11:38:58	-4.569	0.1610	14.430	0.021	4.845	-79	0.138	0.038	0.077	0.013	0.008	0	17	190	0.995
9/16/2022	11:39:57	-3.830	0.1507	14.278	0.026	4.792	-67	0.119	0.037	0.076	0.013	0.007	0	17	190	0.995
9/16/2022	11:40:57	-4.512	0.1462	14.435	0.023	4.846	-101	0.134	0.038	0.077	0.012	0.008	0	17	190	0.995
9/16/2022	11:41:57	-4.542	0.1534	14.450	0.029	4.856	-69	0.135	0.038	0.077	0.013	0.008	0	17	190	0.995
9/16/2022	11:42:57	-3.911	0.1430	14.300	0.019	4.788	-103	0.120	0.038	0.077	0.013	0.007	0	17	190	0.995
9/16/2022	11:43:57	-4.531	0.1516	14.454	0.024	4.849	-57	0.135	0.039	0.079	0.012	0.008	0	17	190	0.995
9/16/2022	11:44:57	-3.777	0.1433	14.314	0.024	4.790	-63	0.116	0.038	0.077	0.012	0.007	0	17	190	0.995
9/16/2022	11:45:57	-4.453	0.1542	14.479	0.027	4.837	-75	0.134	0.038	0.077	0.012	0.008	0	17	190	0.994
9/16/2022	11:46:57	-4.507	0.1558	14.476	0.014	4.842	-62	0.135	0.038	0.077	0.010	0.008	0	17	190	0.994
9/16/2022	11:47:57	-4.462	0.1503	14.473	0.018	4.844	-47	0.132	0.037	0.076	0.008	0.007	0	17	190	0.994
9/16/2022	11:49:00	-4.469	0.1412	14.476	0.021	4.849	-22	0.134	0.038	0.077	0.008	0.008	0	17	190	0.994
9/16/2022	11:49:58	-4.531	0.1515	14.469	0.016	4.845	-41	0.136	0.038	0.078	0.008	0.008	0	17	190	0.994
9/16/2022	11:50:57	-4.603	0.1529	14.493	0.017	4.851	-45	0.138	0.038	0.077	0.008	0.008	0	17	190	0.993
9/16/2022	11:51:57	-4.663	0.1242	8.420	4.147	4.923	-56	0.151	0.024	0.049	0.030	0.008	0	17	190	1.008
9/16/2022	11:52:57	-4.383	0.0243	0.447	18.303	5.050	-44	0.183	0.003	0.006	0.088	0.007	0	17	190	0.995
9/16/2022	11:53:57	-5.062	0.0293	0.277	20.431	5.113	-52	0.193	0.002	0.005	0.118	0.008	0	17	190	0.995
9/16/2022	11:54:58	-5.045	0.0187	0.215	21.233	5.109	-62	0.193	0.002	0.005	0.122	0.008	0	17	190	0.995
9/16/2022	11:55:57	-5.072	0.0324	0.181	21.519	5.113	-73	0.191	0.002	0.005	0.124	0.008	0	17	190	0.995
9/16/2022	11:56:57	-4.286	0.0195	0.161	21.599	5.052	-83	0.176	0.002	0.006	0.124	0.007	0	17	190	0.995
9/16/2022	11:57:57	-5.065	0.0183	0.148	21.963	5.106	-85	0.192	0.002	0.005	0.126	0.008	0	17	190	0.995

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp(C)	Press (atm)
9/16/2022	11:58:57	-4.326	0.0264	0.139	21.836	5.058	-98	0.176	0.002	0.005	0.126	0.007	0	17	190	0.994
9/16/2022	11:59:57	-4.261	0.0251	0.130	21.890	5.057	-75	0.173	0.002	0.006	0.127	0.007	0	17	190	0.994
9/16/2022	12:00:57	-5.026	0.0300	0.126	22.421	5.114	-90	0.190	0.002	0.005	0.127	0.008	0	17	190	0.994
9/16/2022	12:01:57	-5.009	0.0341	0.110	22.584	5.116	-79	0.190	0.002	0.005	0.126	0.008	0	17	190	0.994
9/16/2022	12:02:57	-4.969	0.0261	0.107	22.683	5.111	-91	0.188	0.002	0.005	0.128	0.008	0	17	190	0.994
9/16/2022	12:03:57	-4.162	0.0252	0.090	22.502	5.048	-63	0.171	0.002	0.006	0.127	0.007	0	17	190	0.994
9/16/2022	12:04:57	-4.996	0.0261	0.094	22.781	5.116	-80	0.188	0.002	0.005	0.127	0.008	0	17	190	0.994
9/16/2022	12:05:57	-4.838	0.0305	0.095	22.809	5.116	-98	0.183	0.002	0.005	0.128	0.008	1	17	190	0.994
9/16/2022	12:06:57	-4.230	0.0225	0.081	22.392	5.059	-92	0.172	0.002	0.006	0.128	0.007	0	17	190	0.994
9/16/2022	12:07:57	-4.939	0.0316	0.086	22.960	5.115	-118	0.186	0.002	0.005	0.128	0.008	0	17	190	0.994
9/16/2022	12:08:57	-4.192	0.0232	0.079	22.478	5.055	-112	0.171	0.002	0.006	0.127	0.007	0	17	190	0.994
9/16/2022	12:09:57	-4.805	0.0343	0.088	22.980	5.115	-82	0.184	0.002	0.005	0.125	0.008	0	17	190	0.994
9/16/2022	12:10:57	-4.766	0.0302	0.086	23.041	5.115	-76	0.182	0.002	0.005	0.126	0.007	0	17	190	0.994
9/16/2022	12:11:57	-4.937	0.0284	0.080	22.836	5.111	-65	0.187	0.002	0.005	0.128	0.008	0	17	190	0.994
9/16/2022	12:12:57	-4.383	0.0399	0.074	22.577	5.052	-59	0.176	0.002	0.005	0.131	0.007	0	17	190	0.994
9/16/2022	12:13:57	-4.380	0.0255	0.073	22.559	5.053	-73	0.175	0.002	0.006	0.131	0.007	0	17	190	0.994
9/16/2022	12:14:57	-5.060	0.0344	0.077	22.881	5.107	-67	0.190	0.002	0.005	0.131	0.008	0	17	190	0.994
9/16/2022	12:15:57	-5.038	0.0237	0.074	22.954	5.114	-80	0.188	0.002	0.005	0.131	0.008	0	17	190	0.994
9/16/2022	12:16:57	-5.019	0.0324	0.074	22.831	5.117	-75	0.188	0.002	0.005	0.132	0.008	0	17	190	0.994
9/16/2022	12:17:57	-4.926	0.0370	0.070	22.915	5.116	-73	0.186	0.002	0.005	0.130	0.008	0	17	190	0.994
9/16/2022	12:18:57	-4.219	0.0212	0.072	22.556	5.038	-98	0.173	0.002	0.006	0.130	0.007	1	17	190	0.993
9/16/2022	12:19:57	-4.298	0.0288	0.072	22.499	5.043	-80	0.175	0.002	0.006	0.132	0.007	0	17	190	0.993
9/16/2022	12:20:58	-4.919	0.0304	0.070	23.029	5.103	-94	0.187	0.002	0.005	0.130	0.008	0	17	190	0.993
9/16/2022	12:21:57	-4.260	0.0282	0.069	22.675	5.045	-100	0.174	0.002	0.005	0.131	0.007	0	17	190	0.993
9/16/2022	12:22:57	-5.023	0.0256	0.077	22.912	5.111	-84	0.189	0.002	0.005	0.131	0.008	0	17	190	0.993
9/16/2022	12:23:57	-5.015	0.0289	0.071	23.044	5.112	-109	0.189	0.002	0.005	0.130	0.008	0	17	190	0.993
9/16/2022	12:24:57	-4.931	0.0323	0.069	23.187	5.109	-115	0.188	0.002	0.005	0.129	0.008	0	17	190	0.993
9/16/2022	12:25:57	-4.281	0.0259	0.065	22.711	5.048	-93	0.174	0.003	0.006	0.129	0.007	0	17	190	0.993
9/16/2022	12:26:57	-4.950	0.0157	0.063	23.160	5.111	-103	0.188	0.002	0.005	0.127	0.008	0	17	190	0.993
9/16/2022	12:27:57	-4.972	0.0336	0.068	23.155	5.112	-102	0.189	0.002	0.005	0.128	0.008	0	17	190	0.993
9/16/2022	12:28:57	-5.028	0.0299	0.069	23.225	5.117	-92	0.190	0.002	0.005	0.130	0.008	0	17	190	0.993
9/16/2022	12:29:57	-4.171	0.0291	0.063	22.846	5.054	-104	0.171	0.003	0.006	0.129	0.007	0	17	190	0.993
9/16/2022	12:30:57	-4.981	0.0369	0.069	23.258	5.110	-79	0.189	0.002	0.005	0.130	0.008	0	17	190	0.993
9/16/2022	12:31:59	-4.845	0.0267	0.059	23.115	5.106	-91	0.186	0.002	0.005	0.128	0.008	0	17	190	0.993
9/16/2022	12:32:57	-5.015	0.0183	0.067	23.149	5.106	-89	0.191	0.002	0.005	0.129	0.008	0	17	190	0.993
9/16/2022	12:33:57	-4.179	0.0178	0.055	22.944	5.041	-95	0.173	0.002	0.006	0.126	0.007	0	17	190	0.993
9/16/2022	12:34:57	-4.138	0.0241	0.057	22.795	5.044	-106	0.171	0.003	0.007	0.128	0.007	0	17	190	0.993
9/16/2022	12:35:57	-4.986	0.0225	0.059	23.210	5.109	-80	0.189	0.002	0.005	0.129	0.008	0	17	190	0.993

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp(C)	Press (atm)
9/16/2022	12:36:57	-4.235	0.0184	0.054	22.803	5.037	-76	0.174	0.002	0.006	0.129	0.007	0	17	190	0.993
9/16/2022	12:37:57	-4.944	0.0215	0.053	23.354	5.108	-53	0.188	0.002	0.005	0.128	0.008	0	17	190	0.993
9/16/2022	12:38:57	-4.997	0.0324	0.056	23.272	5.107	-55	0.189	0.002	0.005	0.129	0.008	0	17	190	0.993
9/16/2022	12:39:57	-4.940	0.0337	0.056	23.314	5.109	-77	0.188	0.002	0.005	0.126	0.008	0	17	190	0.993
9/16/2022	12:40:57	-4.985	0.0297	0.056	23.496	5.114	-92	0.188	0.002	0.005	0.127	0.008	0	17	190	0.993
9/16/2022	12:41:57	-4.129	0.0318	0.053	22.992	5.046	-85	0.170	0.002	0.006	0.128	0.007	0	17	190	0.993
9/16/2022	12:42:58	-4.146	0.0207	0.048	22.965	5.048	-94	0.169	0.002	0.006	0.127	0.007	0	17	190	0.993
9/16/2022	12:43:57	-4.869	0.0287	0.053	23.548	5.119	-90	0.185	0.002	0.005	0.127	0.008	0	17	190	0.993
9/16/2022	12:44:57	-4.894	0.0283	0.047	23.361	5.104	-106	0.186	0.002	0.005	0.127	0.008	0	17	190	0.993
9/16/2022	12:45:57	-5.016	0.0275	0.050	23.439	5.117	-88	0.189	0.002	0.005	0.130	0.008	0	17	190	0.993
9/16/2022	12:46:57	-4.898	0.0292	0.055	23.260	5.106	-74	0.187	0.002	0.005	0.128	0.008	0	17	190	0.993
9/16/2022	12:47:58	-4.937	0.0310	0.047	23.288	5.102	-103	0.188	0.002	0.005	0.129	0.008	0	17	190	0.993
9/16/2022	12:48:57	-4.931	0.0338	0.058	23.570	5.109	-98	0.187	0.002	0.005	0.129	0.008	0	17	190	0.993
9/16/2022	12:49:57	-4.891	0.0281	0.057	23.417	5.123	-80	0.185	0.002	0.005	0.127	0.008	0	17	190	0.993
9/16/2022	12:50:57	-4.177	0.0222	0.044	22.992	5.050	-92	0.171	0.002	0.006	0.127	0.007	0	17	190	0.993
9/16/2022	12:51:57	-4.960	0.0257	0.049	23.346	5.113	-64	0.187	0.002	0.005	0.127	0.008	0	17	190	0.993
9/16/2022	12:52:57	-4.255	0.0359	0.044	22.965	5.053	-86	0.173	0.002	0.006	0.128	0.007	0	17	190	0.993
Direct HF Cal					**23.258**	**5.090**										
9/16/2022	12:53:57	-5.091	0.0348	0.065	23.456	5.098	-67	0.196	0.002	0.005	0.126	0.008	0	17	190	0.986
9/16/2022	12:54:57	-5.132	0.0374	0.090	22.373	5.104	-52	0.209	0.002	0.005	0.120	0.008	0	17	190	0.985
9/16/2022	12:55:57	-5.034	0.0380	0.110	21.468	5.088	-29	0.220	0.002	0.005	0.115	0.008	0	17	190	0.985
9/16/2022	12:56:57	-5.175	0.0329	0.122	20.174	5.084	0	0.235	0.002	0.005	0.113	0.008	0	17	190	0.985
9/16/2022	12:57:57	-5.264	0.0412	0.131	19.223	5.091	26	0.246	0.002	0.005	0.110	0.008	0	17	190	0.985
9/16/2022	12:58:57	-5.406	0.0478	0.149	18.425	5.088	55	0.259	0.002	0.006	0.110	0.008	0	17	190	0.985
9/16/2022	12:59:57	-5.324	0.0542	0.149	17.680	5.083	47	0.266	0.002	0.006	0.105	0.008	0	17	190	0.985
9/16/2022	13:00:57	-5.331	0.0439	0.165	16.989	5.088	85	0.273	0.002	0.006	0.102	0.008	0	17	190	0.984
9/16/2022	13:01:57	-5.340	0.0485	0.177	16.255	5.088	61	0.281	0.002	0.006	0.098	0.008	0	17	190	0.984
9/16/2022	13:02:57	-5.356	0.0591	0.181	15.824	5.087	31	0.288	0.002	0.006	0.097	0.008	0	17	190	0.984
9/16/2022	13:03:59	-5.397	0.0716	0.187	15.246	5.094	23	0.294	0.002	0.006	0.077	0.008	0	17	190	0.984
9/16/2022	13:04:57	-5.443	0.0531	0.185	14.650	5.089	10	0.300	0.002	0.006	0.076	0.008	0	17	190	0.984
9/16/2022	13:05:57	-5.376	0.0712	0.196	14.177	5.088	9	0.304	0.002	0.007	0.074	0.008	0	17	190	0.984
9/16/2022	13:06:57	-5.464	0.0685	0.198	13.718	5.089	7	0.310	0.002	0.006	0.072	0.008	0	17	190	0.984
9/16/2022	13:07:57	-5.339	0.0808	0.201	13.321	5.080	-27	0.312	0.002	0.007	0.073	0.008	1	17	190	0.984
9/16/2022	13:08:57	-5.429	0.0809	0.205	12.898	5.073	-23	0.318	0.002	0.007	0.072	0.008	1	17	190	0.984
9/16/2022	13:09:59	-5.464	0.0904	0.213	12.462	5.086	-41	0.321	0.002	0.007	0.073	0.008	1	17	190	0.984
9/16/2022	13:10:57	-5.418	0.0917	0.217	12.276	5.084	-17	0.323	0.003	0.008	0.071	0.008	1	17	190	0.984
9/16/2022	13:11:57	-5.473	0.1051	0.221	11.876	5.073	-45	0.327	0.002	0.007	0.070	0.008	1	17	190	0.984
9/16/2022	13:12:57	-5.314	0.1025	0.230	11.632	5.079	-23	0.328	0.003	0.008	0.067	0.008	1	17	190	0.984

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp(C)	Press (atm)
9/16/2022	13:13:57	-4.755	0.1043	0.220	11.183	5.016	-44	0.321	0.003	0.008	0.067	0.007	1	17	190	0.984
9/16/2022	13:14:57	-4.546	0.2377	0.210	12.772	5.023	-2	0.308	0.003	0.008	0.074	0.007	1	17	190	0.988
9/16/2022	13:15:57	-4.812	0.0096	0.070	22.545	5.117	-83	0.184	0.002	0.005	0.115	0.007	0	17	190	0.996
9/16/2022	13:17:00	-4.708	0.0003	0.046	23.086	5.123	-50	0.182	0.002	0.005	0.138	0.007	0	17	190	0.996
9/16/2022	13:17:57	-4.681	-0.0031	0.047	23.221	5.122	-64	0.181	0.002	0.005	0.138	0.007	0	17	190	0.996
9/16/2022	13:18:57	-4.726	-0.0069	0.035	23.308	5.129	-25	0.182	0.002	0.005	0.138	0.007	0	17	190	0.996
9/16/2022	13:19:57	-4.668	-0.0033	0.040	23.377	5.126	-59	0.181	0.002	0.005	0.138	0.007	0	17	190	0.997
9/16/2022	13:21:00	-4.552	-0.0068	0.039	23.457	5.123	-69	0.177	0.002	0.005	0.136	0.007	0	17	190	0.997
9/16/2022	13:21:57	-4.656	-0.0127	0.035	23.540	5.120	-59	0.180	0.002	0.005	0.137	0.007	0	17	190	0.997
9/16/2022	13:22:57	-4.644	0.0016	0.032	23.493	5.122	-42	0.181	0.002	0.005	0.137	0.007	0	17	190	0.997
9/16/2022	13:23:59	-4.639	-0.0092	0.036	23.589	5.127	-54	0.180	0.002	0.005	0.134	0.007	0	17	190	0.997
9/16/2022	13:24:57	-4.590	0.0055	0.039	23.525	5.119	-68	0.179	0.002	0.005	0.135	0.007	0	17	190	0.997
9/16/2022	13:25:57	-4.646	-0.0131	0.033	23.585	5.120	-72	0.181	0.002	0.005	0.135	0.007	0	17	190	0.997
9/16/2022	13:26:57	-4.820	-0.0118	0.033	23.539	5.112	-34	0.186	0.002	0.005	0.137	0.008	0	17	190	0.997
9/16/2022	13:27:57	-4.755	-0.0092	0.041	23.561	5.113	17	0.184	0.002	0.005	0.135	0.007	0	17	190	0.997
9/16/2022	13:28:58	-4.882	-0.0106	0.034	23.401	5.109	44	0.186	0.002	0.005	0.137	0.008	0	17	190	0.997
9/16/2022	13:29:57	-4.897	-0.0019	0.028	23.427	5.116	85	0.186	0.002	0.005	0.136	0.008	0	17	190	0.997
9/16/2022	13:30:57	-4.912	-0.0130	0.035	23.404	5.099	86	0.187	0.002	0.005	0.137	0.008	0	17	190	0.997
9/16/2022	13:31:57	-5.011	-0.0044	0.033	23.449	5.115	104	0.188	0.002	0.005	0.136	0.008	0	17	190	0.997
9/16/2022	13:32:58	-4.921	-0.0072	0.029	23.443	5.111	82	0.186	0.002	0.005	0.136	0.008	0	17	190	0.997
9/16/2022	13:33:57	-4.937	-0.0055	0.071	23.303	5.104	81	0.194	0.002	0.005	0.131	0.008	0	17	190	0.992
9/16/2022	13:34:59	-4.435	0.0611	6.442	1.598	4.842	94	0.134	0.019	0.037	0.021	0.007	0	17	190	0.994
9/16/2022	13:35:57	-4.441	0.1026	11.331	0.588	4.844	65	0.133	0.032	0.064	0.007	0.007	0	17	190	0.995
9/16/2022	13:36:57	-4.522	0.1293	13.771	0.398	4.844	29	0.135	0.038	0.077	0.006	0.008	0	17	190	0.996
9/16/2022	13:37:57	-4.443	0.1441	15.251	0.296	4.842	37	0.134	0.041	0.084	0.006	0.007	0	17	190	0.996
9/16/2022	13:38:57	-4.393	0.1504	16.282	0.244	4.845	23	0.133	0.043	0.088	0.005	0.007	0	17	190	0.996
9/16/2022	13:39:57	-4.495	0.1353	16.985	0.208	4.836	4	0.136	0.044	0.096	0.005	0.008	0	17	190	0.997
9/16/2022	13:40:57	-4.407	0.1427	17.514	0.186	4.840	-11	0.133	0.045	0.098	0.006	0.007	0	17	190	0.997
9/16/2022	13:41:57	-4.404	0.1521	17.879	0.166	4.840	-12	0.133	0.045	0.098	0.007	0.007	0	17	190	0.997
9/16/2022	13:42:57	-4.487	0.1535	18.194	0.147	4.840	-16	0.136	0.045	0.099	0.007	0.008	0	17	190	0.998
9/16/2022	13:43:57	-4.476	0.1520	18.406	0.131	4.833	-27	0.137	0.047	0.102	0.007	0.008	0	17	190	0.998
9/16/2022	13:45:00	-4.400	0.1454	18.635	0.124	4.836	-25	0.134	0.046	0.100	0.008	0.008	0	17	190	0.998
9/16/2022	13:45:57	-3.682	0.1500	18.606	0.123	4.781	-32	0.116	0.047	0.102	0.009	0.007	0	17	190	0.998
9/16/2022	13:46:57	-4.487	0.1562	18.932	0.107	4.835	-40	0.136	0.047	0.103	0.009	0.008	0	17	190	0.998
9/16/2022	13:47:57	-4.545	0.1574	19.009	0.101	4.838	-38	0.139	0.048	0.105	0.008	0.008	0	17	190	0.998
9/16/2022	13:48:57	-4.482	0.1561	19.101	0.092	4.833	-43	0.136	0.047	0.103	0.007	0.008	0	17	190	0.998
9/16/2022	13:49:57	-4.521	0.1669	19.161	0.093	4.840	18	0.138	0.049	0.107	0.006	0.008	0	17	190	0.998
9/16/2022	13:50:57	-4.556	0.1587	19.260	0.083	4.835	-15	0.139	0.048	0.105	0.006	0.008	0	17	190	0.998

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp(C)	Press (atm)
9/16/2022	13:51:57	-3.823	0.1534	19.125	0.083	4.776	-26	0.120	0.047	0.102	0.007	0.007	0	17	190	0.998
9/16/2022	13:52:57	-4.558	0.1495	19.397	0.075	4.828	-31	0.139	0.048	0.104	0.007	0.008	0	17	190	0.999
9/16/2022	13:53:57	-4.487	0.1660	19.452	0.075	4.828	-22	0.137	0.047	0.102	0.006	0.008	0	17	190	0.999
9/16/2022	13:54:57	-4.642	0.1528	19.497	0.071	4.829	-38	0.142	0.048	0.104	0.007	0.008	0	17	190	0.999
9/16/2022	13:55:57	-4.606	0.1669	19.531	0.071	4.835	-7	0.142	0.048	0.105	0.007	0.008	0	17	190	0.999
9/16/2022	13:56:57	-4.513	0.1546	19.599	0.066	4.829	-41	0.137	0.047	0.103	0.008	0.008	0	17	190	0.999
9/16/2022	13:57:57	-4.522	0.1662	19.626	0.057	4.826	-52	0.139	0.048	0.104	0.009	0.008	0	17	190	0.999
9/16/2022	13:58:57	-4.642	0.1652	19.662	0.066	4.834	-52	0.142	0.048	0.105	0.009	0.008	0	17	190	0.999
9/16/2022	13:59:57	-4.480	0.1724	19.744	0.061	4.826	-49	0.138	0.047	0.103	0.009	0.008	0	17	190	0.999
9/16/2022	14:00:57	-4.558	0.1576	19.747	0.060	4.827	-52	0.140	0.047	0.104	0.010	0.008	0	17	190	0.999
9/16/2022	14:01:57	-4.510	0.1641	19.790	0.060	4.833	-55	0.138	0.047	0.103	0.010	0.008	0	17	190	0.999
9/16/2022	14:02:57	-4.544	0.1553	19.814	0.056	4.829	-67	0.138	0.048	0.104	0.009	0.008	0	17	190	1.000
9/16/2022	14:04:35	-3.204	0.1392	19.278	0.052	4.598	-41	0.124	0.046	0.101	0.008	0.007	0	17	190	1.000
9/16/2022	14:05:35	-4.348	0.1398	19.883	0.048	4.836	8	0.145	0.048	0.105	0.009	0.008	0	17	190	1.000
9/16/2022	14:06:35	-4.355	0.1505	19.911	0.042	4.834	-6	0.145	0.049	0.106	0.009	0.008	0	17	190	1.000
9/16/2022	14:07:35	-4.220	0.1348	19.963	0.040	4.831	15	0.141	0.048	0.104	0.008	0.008	0	17	190	1.000
9/16/2022	14:08:35	-4.234	0.1430	19.979	0.039	4.830	27	0.141	0.047	0.104	0.008	0.008	0	17	190	1.000
9/16/2022	14:09:35	-4.227	0.1453	20.001	0.040	4.829	4	0.141	0.047	0.104	0.008	0.008	0	17	190	1.000
9/16/2022	14:10:35	-4.364	0.1322	20.006	0.032	4.834	14	0.145	0.049	0.108	0.008	0.008	0	17	190	1.000
9/16/2022	14:11:35	-4.302	0.1464	20.014	0.031	4.834	15	0.142	0.050	0.110	0.009	0.008	0	17	190	1.000
9/16/2022	14:12:35	-4.478	0.1322	20.055	0.033	4.829	1	0.150	0.051	0.111	0.009	0.008	0	17	190	1.000
9/16/2022	14:13:36	-4.200	0.1501	20.032	0.028	4.825	14	0.140	0.049	0.108	0.008	0.008	0	17	190	1.000
9/16/2022	14:14:35	-4.331	0.1468	20.028	0.034	4.837	27	0.144	0.051	0.111	0.009	0.008	0	17	190	1.000
9/16/2022	14:15:35	-4.342	0.1379	20.067	0.032	4.828	-3	0.145	0.050	0.109	0.009	0.008	0	17	190	1.000
9/16/2022	14:16:35	-4.319	0.1341	20.105	0.036	4.830	-2	0.143	0.050	0.109	0.008	0.008	0	17	190	1.000
9/16/2022	14:17:35	-4.334	0.1442	20.105	0.036	4.836	5	0.143	0.050	0.108	0.009	0.008	0	17	190	1.000
9/16/2022	14:18:35	-4.376	0.1438	20.111	0.039	4.841	-2	0.144	0.051	0.111	0.009	0.008	0	17	190	1.000
9/16/2022	14:19:35	-4.281	0.1542	20.094	0.032	4.835	-16	0.140	0.051	0.112	0.009	0.008	0	17	190	1.000
9/16/2022	14:20:35	-4.277	0.1512	20.127	0.030	4.832	-23	0.142	0.051	0.111	0.009	0.008	0	17	190	1.000
Direct HCl Cal				**20.109**		**4.835**										
9/16/2022	14:21:35	-4.224	0.1331	18.309	0.068	4.828	-13	0.137	0.046	0.101	0.008	0.008	0	17	190	0.988
9/16/2022	14:22:35	-4.321	0.1256	18.135	0.099	4.834	-19	0.140	0.046	0.100	0.009	0.008	0	17	190	0.984
9/16/2022	14:23:35	-4.295	0.1270	18.096	0.143	4.832	12	0.140	0.044	0.096	0.009	0.008	0	17	190	0.984
9/16/2022	14:24:35	-4.302	0.1263	18.023	0.152	4.833	-27	0.138	0.045	0.099	0.009	0.008	0	17	190	0.984
9/16/2022	14:25:35	-4.348	0.1229	17.994	0.175	4.836	26	0.141	0.044	0.097	0.009	0.008	0	17	190	0.984
9/16/2022	14:26:35	-4.361	0.1338	17.905	0.196	4.830	1	0.142	0.045	0.099	0.009	0.008	0	17	190	0.984
9/16/2022	14:27:37	-4.307	0.1296	17.884	0.218	4.835	33	0.140	0.043	0.094	0.008	0.008	0	17	190	0.984
9/16/2022	14:28:35	-4.368	0.1244	17.813	0.236	4.823	-25	0.142	0.045	0.098	0.009	0.008	0	17	190	0.984

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp(C)	Press (atm)
9/16/2022	14:29:35	-3.066	0.2971	6.803	-0.329	1.409	22880	0.889	0.022	0.062	0.597	0.016	58	14	190	0.994
9/16/2022	14:30:35	-0.271	0.0058	0.303	0.990	-0.001	59901	0.250	0.010	0.064	0.536	0.004	341	13	190	1.000
9/16/2022	14:31:35	-0.042	0.0131	0.229	1.095	0.008	71332	0.194	0.010	0.078	0.522	0.004	364	13	190	1.000
9/16/2022	14:32:35	-0.001	0.0083	0.242	1.183	0.012	79855	0.204	0.011	0.086	0.620	0.004	419	13	190	1.001
9/16/2022	14:33:35	-0.004	0.0182	0.235	1.235	0.015	92641	0.204	0.012	0.098	0.702	0.005	489	13	190	1.001
9/16/2022	14:34:35	0.028	0.0017	0.206	1.269	0.017	107311	0.223	0.013	0.114	0.667	0.005	566	12	190	1.001
9/16/2022	14:35:35	0.002	0.0113	0.216	1.246	0.016	124788	0.242	0.015	0.131	0.645	0.006	637	12	190	1.001
9/16/2022	14:36:35	0.014	0.0144	0.165	1.204	0.017	125754	0.244	0.015	0.133	0.677	0.006	644	12	190	1.001
9/16/2022	14:37:35	0.001	0.0136	0.154	1.120	0.017	117751	0.232	0.014	0.123	0.635	0.006	608	12	190	1.002
9/16/2022	14:38:35	0.094	-0.0096	0.127	0.809	0.009	76076	0.177	0.009	0.085	0.467	0.003	405	14	190	1.003
9/16/2022	14:39:35	0.326	-0.0198	0.080	0.381	0.011	33048	0.090	0.006	0.038	0.323	0.002	214	15	190	1.003
9/16/2022	14:40:35	0.337	-0.0327	0.055	0.131	0.007	16760	0.053	0.004	0.021	0.163	0.001	85	15	190	1.002
9/16/2022	14:41:35	0.347	-0.0212	0.033	0.071	0.007	8624	0.045	0.003	0.013	0.104	0.001	45	16	190	1.001
9/16/2022	14:42:35	0.380	-0.0279	0.017	0.034	0.006	3185	0.042	0.003	0.008	0.048	0.000	16	17	190	1.001
9/16/2022	14:43:35	0.384	-0.0239	0.014	-0.112	0.007	1665	0.042	0.003	0.006	0.024	0.000	7	17	190	1.001
9/16/2022	14:44:35	0.386	-0.0204	0.019	-0.091	0.007	1409	0.042	0.003	0.006	0.022	0.000	6	17	190	1.001
9/16/2022	14:45:35	0.392	-0.0129	0.009	-0.106	0.008	1002	0.042	0.003	0.006	0.024	0.000	3	17	190	1.001
9/16/2022	14:46:35	0.397	-0.0149	0.011	-0.094	0.008	881	0.042	0.003	0.006	0.021	0.000	3	17	190	1.001
Direct Zero		**0.397**														
9/16/2022	14:47:35	0.376	-0.0201	0.008	-0.086	0.007	777	0.042	0.003	0.006	0.019	0.000	3	17	190	1.001
9/16/2022	14:48:37	18.562	-0.0378	0.010	-0.064	0.024	673	0.098	0.002	0.005	0.017	0.004	4	17	190	1.001
9/16/2022	14:49:36	97.121	-0.0189	0.009	-0.064	0.010	532	0.077	0.003	0.006	0.022	0.004	7	17	190	1.001
9/16/2022	14:50:35	99.174	-0.0174	0.008	-0.055	0.005	451	0.083	0.003	0.006	0.019	0.006	7	17	190	1.001
9/16/2022	14:51:35	99.006	-0.0196	0.011	-0.049	0.005	396	0.083	0.003	0.006	0.018	0.006	7	17	190	1.001
9/16/2022	14:52:35	99.072	-0.0203	0.013	-0.043	0.005	359	0.084	0.003	0.006	0.017	0.006	6	17	190	1.001
9/16/2022	14:53:35	99.198	-0.0276	0.010	-0.043	0.003	332	0.082	0.003	0.006	0.016	0.006	6	17	190	1.001
Direct CTS		**99.198**														
9/16/2022	14:54:35	31.566	-0.0197	0.096	-0.753	0.042	25759	0.685	0.006	0.043	0.569	0.018	74	14	190	1.001
9/16/2022	14:55:35	0.335	-0.0199	0.098	0.495	0.005	62295	0.186	0.009	0.066	0.494	0.004	329	13	190	1.001
9/16/2022	14:56:35	0.209	-0.0074	0.098	0.688	0.013	72739	0.191	0.010	0.079	0.520	0.004	398	13	190	1.001
9/16/2022	14:57:35	0.193	-0.0184	0.103	0.801	0.012	83445	0.211	0.011	0.090	0.763	0.005	453	13	190	1.001
9/16/2022	14:58:35	0.147	-0.0082	0.114	0.874	0.014	98485	0.216	0.012	0.106	0.737	0.005	535	13	190	1.001
9/16/2022	14:59:35	0.074	-0.0163	0.131	1.011	0.013	120656	0.248	0.013	0.130	0.760	0.006	647	12	190	1.001
9/16/2022	15:00:35	0.120	-0.0100	0.120	0.966	0.016	122531	0.245	0.014	0.129	0.657	0.006	647	12	190	1.001
9/16/2022	15:01:35	0.143	-0.0263	0.126	0.939	0.015	120573	0.242	0.014	0.126	0.652	0.006	645	12	190	1.001
9/16/2022	15:02:35	-0.019	-0.0099	0.141	1.008	0.011	152816	0.288	0.016	0.159	0.788	0.008	777	12	190	1.001
9/16/2022	15:03:35	0.127	0.0000	0.101	0.914	0.017	117608	0.237	0.014	0.124	0.810	0.006	622	12	190	1.002
9/16/2022	15:04:35	0.112	-0.0002	0.121	0.934	0.014	129655	0.253	0.014	0.135	0.683	0.006	676	12	190	1.001

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp(C)	Press (atm)
9/16/2022	15:05:35	0.149	-0.0008	0.082	0.891	0.017	109963	0.231	0.013	0.117	0.753	0.006	594	12	190	1.002
9/16/2022	15:06:35	0.175	-0.0265	0.115	0.844	0.016	104501	0.227	0.012	0.111	0.652	0.005	581	12	190	1.002
9/16/2022	15:07:35	0.168	-0.0103	0.081	0.857	0.020	104311	0.226	0.013	0.112	0.687	0.005	575	12	190	1.002
9/16/2022	15:08:35	0.148	-0.0084	0.091	0.878	0.017	110834	0.237	0.013	0.119	0.751	0.006	610	12	190	1.002
9/16/2022	15:09:35	0.068	0.0015	0.107	0.931	0.013	131878	0.262	0.014	0.141	0.707	0.007	693	12	190	1.001
9/16/2022	15:10:35	0.146	-0.0023	0.097	0.860	0.016	110455	0.232	0.013	0.117	0.690	0.006	595	12	190	1.002
9/16/2022	15:11:35	0.059	-0.0019	0.123	0.934	0.011	138224	0.267	0.015	0.146	0.721	0.007	713	12	190	1.002
9/16/2022	15:12:35	0.129	-0.0036	0.082	0.877	0.016	122475	0.246	0.014	0.131	0.779	0.006	643	12	190	1.002
9/16/2022	15:13:35	1.471	-0.0102	0.102	0.870	0.014	121619	0.246	0.014	0.131	0.752	0.006	639	12	190	1.003
9/16/2022	15:14:35	1.586	0.0402	0.091	0.815	0.430	99452	0.214	0.012	0.109	0.617	0.005	546	13	190	1.003
9/16/2022	15:15:35	0.142	-0.0010	0.097	0.865	0.014	112829	0.235	0.013	0.123	0.679	0.006	602	12	190	1.002
9/16/2022	15:16:35	0.445	0.2738	0.086	0.821	1.703	97974	0.227	0.011	0.109	0.660	0.008	521	13	190	1.003
9/16/2022	15:17:35	-0.100	0.0700	0.060	0.760	0.511	85811	0.221	0.011	0.098	0.533	0.005	477	13	190	1.002
9/16/2022	15:18:35	-0.204	0.0252	0.088	0.725	0.327	103147	0.219	0.012	0.116	0.630	0.006	548	12	190	1.002
9/16/2022	15:19:37	-0.142	0.0030	0.089	0.810	0.330	108529	0.224	0.013	0.117	0.637	0.005	579	12	190	1.002
9/16/2022	15:20:35	-0.149	0.0195	0.082	0.826	0.331	113218	0.233	0.013	0.122	0.687	0.006	605	12	190	1.002
9/16/2022	15:21:35	-0.186	0.0060	0.089	0.849	0.331	125765	0.246	0.014	0.135	0.669	0.006	659	12	190	1.002
9/16/2022	15:22:35	-0.149	0.0327	0.090	0.829	0.330	117674	0.231	0.014	0.125	0.702	0.006	610	12	190	1.002
9/16/2022	15:23:35	-0.161	0.0285	0.082	0.805	0.332	109697	0.224	0.013	0.118	0.651	0.005	579	12	190	1.002
9/16/2022	15:24:36	-0.189	0.0482	0.085	0.804	0.332	117774	0.235	0.014	0.125	0.717	0.006	616	12	190	1.002
9/16/2022	15:25:35	-0.146	0.0399	0.090	0.783	0.332	107222	0.219	0.013	0.115	0.607	0.005	561	12	190	1.003
9/16/2022	15:26:35	-0.161	0.0163	0.085	0.793	0.333	107822	0.218	0.013	0.116	0.623	0.005	564	12	190	1.002
9/16/2022	15:27:35	-0.181	0.0347	0.084	0.820	0.331	119573	0.233	0.014	0.127	0.720	0.006	617	12	190	1.002
9/16/2022	15:28:35	-0.214	0.0321	0.067	0.839	0.333	121612	0.240	0.014	0.129	0.902	0.006	635	12	190	1.002
9/16/2022	15:29:35	-0.172	0.0295	0.088	0.816	0.331	123284	0.236	0.015	0.131	0.726	0.006	623	12	190	1.003
9/16/2022	15:30:36	-0.135	0.0126	0.089	0.761	0.331	108747	0.219	0.014	0.117	0.601	0.005	562	12	190	1.003
9/16/2022	15:31:35	0.167	-0.0174	0.085	0.797	0.015	114236	0.228	0.014	0.123	0.644	0.006	584	12	190	1.002
9/16/2022	15:32:35	0.153	-0.0085	0.083	0.831	0.014	121837	0.234	0.015	0.129	0.742	0.006	610	12	190	1.002
9/16/2022	15:33:35	0.153	-0.0293	0.088	0.823	0.013	126095	0.238	0.016	0.132	0.802	0.006	623	12	190	1.002
9/16/2022	15:34:35	0.175	-0.0135	0.089	0.836	0.012	125470	0.239	0.015	0.132	0.882	0.006	625	12	190	1.002
9/16/2022	15:35:35	0.138	-0.0237	0.103	0.835	0.011	127301	0.242	0.015	0.133	0.894	0.006	638	12	190	1.002
9/16/2022	15:36:35	0.140	-0.0165	0.094	0.813	0.011	131459	0.246	0.016	0.136	0.651	0.006	652	12	190	1.002
9/16/2022	15:37:35	0.117	-0.0257	0.092	0.808	0.069	122412	0.232	0.015	0.130	0.699	0.006	603	12	190	1.003
9/16/2022	15:38:35	-0.124	-0.0021	0.078	0.810	0.329	117606	0.222	0.015	0.125	0.671	0.006	580	12	190	1.003
9/16/2022	15:39:35	-0.199	-0.0044	0.084	0.831	0.329	124406	0.230	0.016	0.132	0.729	0.006	607	12	190	1.003
9/16/2022	15:40:35	-0.161	0.0074	0.074	0.798	0.332	113638	0.218	0.015	0.122	0.639	0.005	570	12	190	1.003
9/16/2022	15:41:35	-0.048	-0.0048	0.070	0.735	0.321	102840	0.189	0.013	0.113	0.533	0.005	502	12	190	1.003
9/16/2022	15:42:35	-0.079	-0.0039	0.068	0.739	0.320	102260	0.188	0.014	0.113	0.546	0.005	502	12	190	1.003

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp(C)	Press (atm)
9/16/2022	15:43:35	-0.116	0.0144	0.071	0.734	0.319	105241	0.188	0.014	0.115	0.544	0.005	505	12	190	1.003
9/16/2022	15:44:35	-0.116	0.0070	0.061	0.728	0.318	107820	0.192	0.014	0.119	0.541	0.005	519	12	190	1.003
9/16/2022	15:45:35	-0.149	0.0281	0.068	0.741	0.318	105128	0.190	0.014	0.116	0.560	0.005	510	12	190	1.003
9/16/2022	15:46:35	-0.114	0.0147	0.074	0.756	0.316	105468	0.192	0.014	0.116	0.587	0.005	515	12	190	1.003
9/16/2022	15:47:35	-0.184	0.0256	0.073	0.798	0.302	111005	0.180	0.014	0.121	0.635	0.005	539	12	190	1.003
9/16/2022	15:48:35	0.003	-0.0167	0.086	0.756	0.001	119295	0.186	0.015	0.130	0.615	0.006	583	12	190	1.003
9/16/2022	15:49:35	-0.015	-0.0025	0.085	0.798	0.003	108549	0.179	0.014	0.119	0.638	0.005	549	12	190	1.003
9/16/2022	15:50:35	-0.089	0.0020	0.085	0.837	0.002	111446	0.184	0.013	0.121	0.717	0.005	568	12	190	1.003
9/16/2022	15:51:35	-0.078	-0.0219	0.078	0.766	-0.001	118057	0.179	0.014	0.129	0.661	0.006	595	12	190	1.003
9/16/2022	15:52:35	-0.177	-0.0276	0.072	0.740	-0.002	116111	0.154	0.014	0.127	0.595	0.006	587	12	190	1.003
9/16/2022	15:53:35	0.328	0.1070	0.070	0.738	0.773	105334	0.142	0.013	0.117	0.562	0.006	528	13	190	1.003
9/16/2022	15:54:35	-0.479	0.0270	0.070	0.700	0.321	98261	0.134	0.013	0.110	0.520	0.005	500	12	190	1.003
9/16/2022	15:55:35	-0.587	0.0446	0.062	0.774	0.308	103318	0.134	0.013	0.115	0.581	0.005	514	13	190	1.003
9/16/2022	15:56:35	-0.612	0.0325	0.083	0.722	0.307	108336	0.130	0.014	0.119	0.566	0.005	536	13	190	1.003
9/16/2022	15:57:35	-0.666	0.0374	0.082	0.839	0.307	109007	0.121	0.014	0.120	0.732	0.005	532	13	190	1.003
9/16/2022	15:58:35	-1.042	0.0319	0.076	0.791	0.307	107520	0.128	0.014	0.118	0.632	0.005	526	13	190	1.003
9/16/2022	15:59:35	-0.916	0.0307	0.058	0.734	0.309	108429	0.120	0.014	0.119	0.553	0.005	523	13	190	1.003
9/16/2022	16:00:35	-1.022	0.0167	0.073	0.748	0.305	105049	0.155	0.014	0.114	0.577	0.005	508	13	190	1.003
9/16/2022	16:01:35	0.998	0.0227	0.063	0.697	0.306	102847	0.172	0.014	0.114	0.501	0.005	500	13	190	1.003
9/16/2022	16:02:35	1000000.000	0.0090	0.054	0.713	0.106	109409	1000000.000	0.014	0.120	0.552	0.005	529	13	190	1.003
9/16/2022	16:03:35	1000000.000	-0.0202	0.082	0.745	-0.005	118077	1000000.000	0.015	0.128	0.630	0.006	563	13	190	1.003
9/16/2022	16:04:35	1000000.000	-0.0055	0.073	0.762	-0.004	115302	1000000.000	0.015	0.124	0.699	0.006	550	13	190	1.003
9/16/2022	16:05:35	1000000.000	-0.0178	0.069	0.775	-0.002	121575	1000000.000	0.016	0.131	0.712	0.006	580	13	190	1.003
9/16/2022	16:06:35	1000000.000	-0.0176	0.052	0.726	-0.003	113355	1000000.000	0.015	0.122	0.586	0.005	539	13	190	1.003
9/16/2022	16:07:35	1000000.000	-0.0295	0.058	0.681	0.000	120018	1000000.000	0.016	0.129	0.527	0.006	574	13	190	1.002
9/16/2022	16:08:35	1000000.000	-0.0163	0.058	0.711	-0.001	109941	1000000.000	0.015	0.119	0.538	0.005	535	13	190	1.003
9/16/2022	16:09:35	1000000.000	-0.0027	0.057	0.735	0.033	118301	1000000.000	0.016	0.128	0.649	0.006	568	13	190	1.003
9/16/2022	16:10:35	1000000.000	0.0015	0.071	0.681	0.092	122279	1000000.000	0.017	0.132	0.535	0.006	594	12	190	1.003
9/16/2022	16:11:35	1000000.000	0.1507	0.071	0.678	0.574	119897	1000000.000	0.017	0.129	0.516	0.006	591	12	190	1.003
9/16/2022	16:12:35	1000000.000	0.0130	0.056	0.706	0.236	98225	1000000.000	0.014	0.107	0.575	0.006	512	12	190	1.003
9/16/2022	16:13:35	1000000.000	-0.0046	0.046	0.668	0.142	118208	1000000.000	0.017	0.130	0.527	0.007	606	12	190	1.003
9/16/2022	16:14:35	1000000.000	0.0233	0.052	0.694	0.141	112682	1000000.000	0.017	0.122	0.529	0.007	584	11	190	1.003
9/16/2022	16:15:35	1000000.000	0.0089	0.049	0.717	0.139	110793	1000000.000	0.017	0.121	0.576	0.008	588	11	190	1.003
9/16/2022	16:16:35	1000000.000	0.0057	0.056	0.649	0.160	113015	1000000.000	0.017	0.126	0.486	0.008	636	10	190	1.003
9/16/2022	16:17:35	1000000.000	-0.0068	0.055	0.720	0.220	104974	1000000.000	0.017	0.118	0.629	0.009	603	10	190	1.003
9/16/2022	16:18:35	1000000.000	-0.0370	0.089	0.705	0.236	111067	1000000.000	0.018	0.126	0.590	0.011	685	9	190	1.002
9/16/2022	16:19:35	1000000.000	-0.0395	0.047	0.744	0.215	97895	1000000.000	0.017	0.110	0.630	0.010	569	8	190	1.003
9/16/2022	16:20:35	1000000.000	-0.0243	0.087	0.636	0.228	102523	1000000.000	0.019	0.117	0.515	0.011	595	8	190	1.003

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp(C)	Press (atm)
9/16/2022	16:21:36	1000000.000	0.0523	0.093	0.741	0.231	113539	1000000.000	0.021	0.127	0.533	0.013	687	7	190	1.003
9/16/2022	16:22:35	1000000.000	-0.0775	0.105	0.606	0.208	109084	1000000.000	0.024	0.129	0.511	0.013	690	6	190	1.003
9/16/2022	16:23:35	1000000.000	0.0483	0.074	0.592	0.229	105695	1000000.000	0.026	0.129	0.480	0.013	683	5	190	1.003
9/16/2022	16:24:35	1000000.000	-0.0315	0.152	0.600	0.238	102599	1000000.000	0.032	0.131	0.445	0.015	680	4	190	1.003
9/16/2022	16:25:35	1000000.000	-0.0225	-0.003	0.546	0.162	106138	1000000.000	0.043	0.150	0.473	0.031	812	4	190	1.002
9/16/2022	16:26:35	1000000.000	0.1313	0.155	0.345	0.145	102469	1000000.000	0.053	0.160	0.481	0.027	766	3	190	1.003
9/16/2022	16:27:35	1000000.000	0.2161	-0.033	0.732	0.155	109043	1000000.000	0.067	0.191	0.530	0.035	906	3	190	1.002
9/16/2022	16:28:35	1000000.000	-0.3581	-0.021	0.490	0.252	111851	1000000.000	0.085	0.210	0.528	0.041	864	2	190	1.002
9/16/2022	16:29:35	1000000.000	-0.1741	0.264	0.461	0.008	98432	1000000.000	0.111	0.269	0.528	0.061	1097	2	190	1.003
9/16/2022	16:30:35	1000000.000	0.4976	-0.131	0.160	0.233	104661	1000000.000	0.157	0.363	0.795	0.064	1245	1	190	1.002
9/16/2022	16:31:35	1000000.000	0.1712	-0.246	0.382	0.241	110374	1000000.000	0.200	0.447	0.920	0.086	1492	1	190	1.003
9/16/2022	16:32:35	1000000.000	-1.0878	-0.394	-1.164	0.107	151985	1000000.000	0.264	0.611	0.970	0.136	2182	1	190	1.003
9/16/2022	16:33:37	1000000.000	1.4611	0.984	1.288	0.168	110056	1000000.000	0.396	0.842	1.133	0.151	1975	1	190	1.003
9/16/2022	16:34:35	1000000.000	-1.3079	4.176	-0.541	0.068	116641	1000000.000	0.498	1.139	1.600	0.194	2804	0	190	1.003
9/16/2022	16:35:35	1000000.000	-2.4121	2.309	-0.569	1.123	106713	1000000.000	0.745	1.725	1.929	0.234	2714	0	190	1.003
9/16/2022	16:36:37	1000000.000	-14.4133	-8.638	-2.047	0.365	136983	1000000.000	1.817	4.094	4.057	0.334	6125	0	190	1.003
9/16/2022	16:37:35	0.021	-0.0424	0.071	0.756	0.244	115844	0.249	0.014	0.127	0.620	0.006	598	12	191	1.002
9/16/2022	16:38:35	0.070	-0.0201	0.063	0.854	0.254	120904	0.242	0.014	0.130	0.797	0.006	635	12	190	1.002
9/16/2022	16:39:35	0.079	-0.0294	0.079	0.799	0.253	114371	0.227	0.015	0.123	0.647	0.006	585	12	190	1.003
9/16/2022	16:40:35	0.087	-0.0277	0.083	0.837	0.251	121156	0.234	0.015	0.129	0.756	0.006	609	12	190	1.003
9/16/2022	16:41:35	0.089	-0.0329	0.065	0.827	0.252	117822	0.228	0.016	0.126	0.678	0.006	587	12	190	1.003
9/16/2022	16:42:35	0.092	-0.0294	0.065	0.819	0.253	114812	0.224	0.015	0.123	0.651	0.006	581	12	190	1.003
9/16/2022	16:43:35	0.103	-0.0319	0.082	0.818	0.251	117898	0.226	0.015	0.125	0.693	0.006	586	12	190	1.003
9/16/2022	16:44:35	0.094	-0.0367	0.082	0.826	0.250	123094	0.235	0.015	0.131	0.776	0.006	619	12	190	1.003
9/16/2022	16:45:35	0.098	-0.0244	0.062	0.775	0.253	108959	0.218	0.015	0.118	0.605	0.005	555	12	190	1.003
9/16/2022	16:46:35	-0.117	-0.0235	0.080	0.779	0.459	115218	0.225	0.015	0.123	0.723	0.006	587	12	190	1.003
9/16/2022	16:47:35	-0.245	-0.0393	0.072	0.763	0.626	107863	0.213	0.014	0.118	0.592	0.005	548	12	190	1.003
9/16/2022	16:48:35	-0.263	-0.0227	0.065	0.820	0.629	104922	0.209	0.014	0.115	0.719	0.005	535	12	190	1.003
9/16/2022	16:49:35	-0.252	-0.0377	0.094	0.765	0.628	108613	0.214	0.015	0.118	0.593	0.005	553	12	190	1.003
9/16/2022	16:50:35	-0.260	-0.0354	0.093	0.808	0.631	102567	0.207	0.014	0.112	0.717	0.005	530	12	190	1.003
9/16/2022	16:51:35	-0.321	-0.0161	0.124	0.772	0.629	111493	0.219	0.015	0.120	0.607	0.005	564	12	190	1.003
9/16/2022	16:52:36	-0.257	-0.0430	0.147	0.772	0.629	113637	0.220	0.015	0.123	0.621	0.006	572	12	190	1.003
9/16/2022	16:53:35	-0.274	-0.0269	0.194	0.765	0.630	107379	0.213	0.014	0.116	0.586	0.005	549	12	190	1.003
9/16/2022	16:54:35	-0.273	-0.0207	0.206	0.754	0.630	107777	0.213	0.014	0.116	0.599	0.005	552	12	190	1.003
9/16/2022	16:55:35	-0.298	-0.0218	0.231	0.788	0.632	112427	0.219	0.015	0.122	0.621	0.005	566	12	190	1.003
9/16/2022	16:56:37	-0.309	-0.0250	0.273	0.758	0.630	109402	0.214	0.015	0.119	0.596	0.005	553	12	190	1.003
9/16/2022	16:57:38	-0.266	-0.0214	0.317	0.764	0.628	111667	0.215	0.015	0.120	0.601	0.005	556	12	190	1.003
9/16/2022	16:58:35	-0.274	-0.0322	0.343	0.758	0.629	106904	0.210	0.014	0.115	0.576	0.005	541	12	190	1.003

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp(C)	Press (atm)
9/16/2022	16:59:35	-0.300	-0.0137	0.406	0.767	0.632	103830	0.205	0.015	0.112	0.586	0.005	520	12	190	1.003
9/16/2022	17:00:35	-0.281	-0.0378	0.465	0.764	0.628	112591	0.214	0.015	0.121	0.592	0.005	555	12	190	1.002
9/16/2022	17:01:35	-0.007	-0.0317	0.499	0.755	0.414	107600	0.210	0.015	0.116	0.561	0.005	536	12	190	1.003
9/16/2022	17:02:37	0.289	-0.0100	0.599	0.795	0.035	121210	0.228	0.016	0.129	0.654	0.006	591	12	190	1.002
9/16/2022	17:03:35	0.312	-0.0157	0.595	0.832	0.017	125368	0.238	0.016	0.133	0.706	0.006	616	12	190	1.003
9/16/2022	17:04:35	0.288	-0.0206	0.550	0.844	0.016	128140	0.237	0.017	0.135	0.797	0.006	617	12	190	1.003
9/16/2022	17:05:35	0.323	-0.0250	0.530	0.785	0.017	115922	0.224	0.016	0.123	0.614	0.006	572	12	190	1.003
9/16/2022	17:06:35	0.331	-0.0320	0.475	0.777	0.016	113502	0.222	0.015	0.121	0.615	0.005	566	12	190	1.003
9/16/2022	17:07:35	0.331	-0.0260	0.429	0.816	0.016	119502	0.232	0.016	0.128	0.694	0.006	593	12	190	1.003
9/16/2022	17:08:35	0.311	-0.0229	0.369	0.769	0.019	107265	0.219	0.014	0.116	0.598	0.005	551	12	190	1.003
9/16/2022	17:09:35	0.318	-0.0343	0.358	0.789	0.017	115065	0.226	0.015	0.124	0.632	0.006	575	12	190	1.003
9/16/2022	17:10:35	0.298	-0.0292	0.370	0.790	0.016	118107	0.229	0.015	0.125	0.652	0.006	588	12	190	1.003
9/16/2022	17:11:35	-0.184	0.0280	0.312	0.765	0.520	110444	0.215	0.015	0.118	0.608	0.005	551	12	190	1.003
9/16/2022	17:12:35	-0.327	-0.0192	0.305	0.768	0.657	108039	0.211	0.015	0.118	0.591	0.005	542	12	190	1.003
9/16/2022	17:13:35	-0.364	-0.0160	0.294	0.792	0.659	112973	0.219	0.015	0.122	0.634	0.005	563	12	190	1.003
9/16/2022	17:14:35	-0.332	-0.0260	0.278	0.758	0.660	110823	0.216	0.015	0.120	0.606	0.005	559	12	190	1.003
9/16/2022	17:15:35	-0.336	-0.0177	0.274	0.790	0.659	116503	0.223	0.015	0.125	0.654	0.006	581	12	190	1.003
9/16/2022	17:16:35	-0.282	-0.0314	0.256	0.788	0.662	100345	0.203	0.014	0.111	0.649	0.005	516	12	190	1.003
9/16/2022	17:17:35	-0.315	-0.0362	0.278	0.763	0.660	100015	0.202	0.014	0.108	0.606	0.005	519	12	190	1.003
9/16/2022	17:18:35	-0.349	-0.0331	0.253	0.785	0.663	101005	0.204	0.014	0.110	0.639	0.005	520	12	190	1.003
9/16/2022	17:19:38	-0.327	-0.0243	0.229	0.800	0.663	101036	0.204	0.014	0.110	0.645	0.005	521	12	190	1.003
9/16/2022	17:20:38	-0.341	-0.0325	0.239	0.830	0.662	105367	0.212	0.014	0.114	0.758	0.005	544	12	190	1.003
9/16/2022	17:21:35	-0.341	-0.0355	0.223	0.787	0.663	106141	0.213	0.014	0.115	0.628	0.005	547	12	190	1.003
9/16/2022	17:22:35	-0.310	-0.0278	0.201	0.831	0.664	101037	0.208	0.013	0.111	0.738	0.005	535	12	190	1.003
9/16/2022	17:23:35	0.117	-0.0388	0.220	0.828	0.281	110751	0.229	0.014	0.120	0.701	0.006	594	12	190	1.003
9/16/2022	17:24:35	0.283	-0.0172	0.218	0.855	0.022	120322	0.245	0.015	0.129	0.683	0.006	644	12	190	1.002
9/16/2022	17:25:35	0.292	-0.0403	0.235	0.852	0.017	124310	0.251	0.014	0.132	0.678	0.006	664	12	190	1.003
9/16/2022	17:26:35	0.276	-0.0237	0.226	0.894	0.018	124648	0.249	0.014	0.132	0.712	0.006	657	12	190	1.003
9/16/2022	17:27:35	0.333	-0.0225	0.199	0.838	0.019	113415	0.238	0.014	0.123	0.729	0.006	610	12	190	1.003
9/16/2022	17:28:35	0.314	-0.0194	0.186	0.831	0.020	111185	0.235	0.014	0.120	0.706	0.006	601	12	190	1.002
9/16/2022	17:29:35	0.321	-0.0314	0.202	0.890	0.017	123422	0.245	0.015	0.131	0.844	0.006	647	12	190	1.003
9/16/2022	17:30:35	0.277	-0.0291	0.224	0.895	0.016	131908	0.254	0.015	0.140	0.736	0.007	679	11	190	1.002
9/16/2022	17:31:36	0.266	-0.0252	0.236	0.880	0.018	134585	0.258	0.016	0.141	0.743	0.007	685	11	190	1.003
9/16/2022	17:32:35	0.293	-0.0407	0.261	0.904	0.016	127152	0.249	0.015	0.134	0.752	0.006	651	11	190	1.003
9/16/2022	17:37:05	0.184	-0.0226	-0.016	-0.003	0.002	160	0.027	0.003	0.009	0.011	0.000	10	16	190	0.992

Client: Georgia Power
Facility: Plant McInstosh
Source: Unit 1
Condition: Fuel Oil Max

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp (C)	Press (atm)
9/17/2022	6:34:12	0.371	-0.0123	0.016	-0.007	0.0064	29	0.030	0.0033	0.008	0.007	0.0003	0	17	190	0.992
9/17/2022	6:35:12	0.371	-0.0081	0.012	-0.002	0.0067	28	0.030	0.0033	0.008	0.006	0.0003	0	17	190	0.992
9/17/2022	6:36:12	0.359	-0.0106	0.015	-0.004	0.0066	39	0.030	0.0033	0.008	0.006	0.0003	0	17	190	0.992
9/17/2022	6:37:12	0.369	-0.0081	0.007	-0.007	0.0071	41	0.030	0.0032	0.008	0.006	0.0003	0	17	190	0.992
9/17/2022	6:38:14	0.370	-0.0060	0.016	0.003	0.0067	30	0.030	0.0032	0.008	0.006	0.0003	0	17	190	0.992
Direct Zero		**0.370**														
9/17/2022	6:39:13	12.663	-0.0158	0.010	-0.011	0.0171	53	0.065	0.0032	0.008	0.008	0.0027	1	17	190	0.992
9/17/2022	6:40:15	97.489	-0.0115	0.009	-0.010	0.0098	-68	0.075	0.0031	0.007	0.010	0.0038	3	17	190	0.992
9/17/2022	6:41:13	99.535	-0.0078	0.007	-0.006	0.0050	-113	0.078	0.0030	0.008	0.010	0.0062	3	17	190	0.992
9/17/2022	6:42:12	99.664	-0.0114	0.018	-0.008	0.0047	-119	0.077	0.0031	0.008	0.009	0.0061	3	17	190	0.992
9/17/2022	6:43:12	99.677	-0.0131	0.015	-0.002	0.0046	-121	0.077	0.0030	0.008	0.009	0.0061	3	17	190	0.992
9/17/2022	6:44:13	99.544	-0.0104	0.009	-0.006	0.0054	-98	0.078	0.0030	0.007	0.009	0.0061	3	17	190	0.992
9/17/2022	6:45:12	99.655	-0.0104	0.012	-0.007	0.0048	-102	0.078	0.0033	0.008	0.010	0.0062	3	17	190	0.992
Direct CTS		**99.655**														
9/17/2022	6:46:12	99.704	-0.0089	0.005	-0.013	0.0039	-96	0.077	0.0031	0.008	0.009	0.0061	3	17	190	0.992
9/17/2022	6:47:12	66.880	-0.0104	0.008	0.000	0.0267	-92	0.109	0.0031	0.007	0.008	0.0059	2	17	190	0.992
9/17/2022	6:48:12	0.448	-0.0129	0.007	0.000	0.0073	22	0.030	0.0029	0.007	0.006	0.0003	0	17	190	0.992
9/17/2022	6:49:15	0.407	-0.0060	0.011	0.006	0.0074	14	0.030	0.0031	0.007	0.006	0.0003	0	17	190	0.992
9/17/2022	6:50:12	0.398	0.0000	0.015	-0.001	0.0077	21	0.029	0.0031	0.007	0.006	0.0003	0	17	190	0.992
9/17/2022	6:51:12	0.383	-0.0095	0.011	0.004	0.0075	-1	0.030	0.0029	0.007	0.005	0.0003	0	17	190	0.992
9/17/2022	7:03:50	0.370	-0.0037	0.014	-0.011	0.0079	7	0.029	0.0032	0.008	0.006	0.0003	0	17	190	0.992
9/17/2022	7:04:50	0.367	-0.0148	0.012	-0.001	0.0071	10	0.029	0.0034	0.008	0.006	0.0003	0	17	190	0.992
9/17/2022	7:05:50	0.370	-0.0053	0.015	0.002	0.0076	-3	0.030	0.0033	0.008	0.006	0.0003	0	17	190	0.992
9/17/2022	7:06:50	0.375	-0.0065	0.010	0.000	0.0076	-4	0.029	0.0033	0.008	0.005	0.0003	0	18	190	0.992
9/17/2022	7:07:50	-1.340	0.0204	0.147	-2.646	-0.0957	77772	1.637	0.0059	0.088	2.091	0.0393	160	13	190	0.999
9/17/2022	7:08:50	-0.332	-0.0044	0.057	0.532	0.0127	63958	0.247	0.0045	0.031	0.436	0.0042	377	13	190	1.001
9/17/2022	7:09:50	-0.154	-0.0004	0.053	0.493	0.0114	63509	0.206	0.0045	0.033	0.425	0.0042	355	13	190	1.001
9/17/2022	7:10:50	-0.105	-0.0083	0.064	0.635	0.0106	95424	0.222	0.0043	0.045	0.669	0.0052	497	13	190	1.001
9/17/2022	7:11:52	-0.041	0.0126	0.048	0.826	0.0195	105534	0.234	0.0043	0.049	0.648	0.0055	568	12	190	1.001
9/17/2022	7:12:50	-0.036	0.0052	0.044	0.825	0.0208	105399	0.233	0.0047	0.049	0.644	0.0055	566	12	190	1.001
9/17/2022	7:13:50	-0.011	-0.0033	0.046	0.884	0.0185	101819	0.227	0.0039	0.048	0.754	0.0053	550	12	190	1.001
9/17/2022	7:14:50	0.026	-0.0158	0.043	0.819	0.0180	96068	0.219	0.0038	0.046	0.622	0.0051	525	13	190	1.002
9/17/2022	7:15:50	0.022	-0.0093	0.022	0.834	0.0196	100441	0.223	0.0047	0.048	0.652	0.0052	539	12	190	1.002
9/17/2022	7:16:50	0.039	-0.0046	0.047	0.854	0.0191	100670	0.222	0.0039	0.047	0.705	0.0052	542	12	190	1.001
9/17/2022	7:17:50	0.018	-0.0028	0.055	0.864	0.0177	105644	0.228	0.0041	0.049	0.730	0.0054	557	12	190	1.001
9/17/2022	7:18:50	0.087	-0.0324	0.039	0.825	0.0187	97625	0.217	0.0040	0.046	0.677	0.0051	524	13	190	1.002
9/17/2022	7:19:50	43.594	-0.0497	0.080	0.902	0.0970	176413	0.330	0.0085	0.078	0.845	0.0105	880	12	190	1.002
9/17/2022	7:20:50	93.097	-0.0126	0.056	0.400	0.0176	43996	0.146	0.0044	0.025	0.439	0.0036	280	14	190	1.003

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp (C)	Press (atm)
9/17/2022	7:21:50	97.261	-0.0174	0.046	0.098	0.0022	19517	0.095	0.0045	0.015	0.189	0.0063	121	15	190	1.002
9/17/2022	7:22:50	97.743	-0.0337	0.048	0.068	0.0014	13601	0.087	0.0045	0.014	0.152	0.0063	88	15	190	1.002
9/17/2022	7:23:50	98.183	-0.0277	0.036	0.024	0.0014	8551	0.084	0.0042	0.013	0.112	0.0064	66	16	190	1.002
9/17/2022	7:24:50	98.623	-0.0154	0.034	0.012	0.0006	5653	0.080	0.0038	0.011	0.080	0.0063	57	16	190	1.002
9/17/2022	7:29:05	94.730	-0.0081	0.010	-0.158	0.0001	2302	0.069	0.0022	0.005	0.030	0.0054	24	17	190	1.002
9/17/2022	7:30:06	99.204	-0.0099	0.030	-0.144	0.0019	2049	0.076	0.0035	0.008	0.028	0.0061	24	17	190	1.002
9/17/2022	7:31:05	99.142	-0.0144	0.022	-0.119	0.0031	1668	0.075	0.0034	0.008	0.024	0.0061	24	17	190	1.001
9/17/2022	7:32:05	99.170	-0.0108	0.022	-0.095	0.0017	1300	0.074	0.0034	0.008	0.021	0.0060	24	17	190	1.001
System CTS		**99.677**														
9/17/2022	7:33:05	99.360	-0.0060	0.013	-0.062	0.0040	537	0.073	0.0031	0.008	0.015	0.0060	11	17	190	1.001
9/17/2022	7:34:05	91.973	-0.0142	0.020	-0.066	0.0104	464	0.097	0.0035	0.008	0.019	0.0052	6	17	190	1.001
9/17/2022	7:35:05	0.596	-0.0148	0.017	-0.058	0.0073	478	0.031	0.0032	0.008	0.016	0.0004	2	17	190	1.001
9/17/2022	7:36:05	0.452	-0.0044	0.018	-0.054	0.0071	419	0.029	0.0034	0.008	0.015	0.0004	2	17	190	1.001
9/17/2022	7:37:05	0.410	-0.0078	0.018	-0.051	0.0077	398	0.028	0.0029	0.007	0.014	0.0004	2	17	190	1.001
9/17/2022	7:38:05	0.408	-0.0139	0.023	-0.051	0.0068	371	0.029	0.0031	0.007	0.013	0.0003	1	17	190	1.001
9/17/2022	7:39:05	0.389	-0.0131	0.021	-0.056	0.0073	344	0.028	0.0033	0.008	0.013	0.0004	1	17	190	1.001
9/17/2022	7:40:05	0.379	-0.0040	0.017	-0.043	0.0063	323	0.029	0.0032	0.008	0.012	0.0004	1	17	190	1.001
9/17/2022	7:41:05	0.367	-0.0080	0.020	-0.036	0.0066	303	0.029	0.0031	0.007	0.017	0.0004	1	17	190	1.001
9/17/2022	8:02:13	0.366	-0.0137	0.009	-0.012	0.0061	47	0.030	0.0027	0.007	0.007	0.0003	1	18	190	0.992
9/17/2022	8:07:10	0.365	-0.0106	0.011	-0.038	0.0065	152	0.030	0.0029	0.007	0.021	0.0003	1	17	190	0.992
System Zero		**0.370**														
9/17/2022	8:12:10	0.362	-0.0060	0.008	-0.042	0.0068	166	0.030	0.0028	0.007	0.022	0.0003	1	17	190	0.992
9/17/2022	8:17:10	0.114	-0.0277	0.105	-2.173	0.0475	65302	1.371	0.0038	0.081	1.501	0.0311	159	13	190	1.001
9/17/2022	8:22:10	0.057	-0.0372	0.040	0.630	0.0108	99587	0.212	0.0038	0.047	0.701	0.0052	492	12	190	1.001
9/17/2022	8:27:10	0.090	-0.0253	0.055	0.774	0.0181	104053	0.220	0.0039	0.048	0.601	0.0052	536	12	190	1.002
Start Run 1																
9/17/2022	8:32:10	0.106	-0.0328	0.081	0.779	0.0172	103452	0.226	0.0037	0.048	0.628	0.0054	553	12	190	1.002
9/17/2022	8:37:10	0.098	-0.0355	0.085	0.791	0.0176	106651	0.230	0.0037	0.049	0.646	0.0055	566	12	190	1.002
9/17/2022	8:42:10	0.085	-0.0351	0.079	0.797	0.0177	106010	0.227	0.0037	0.048	0.650	0.0054	556	12	190	1.002
9/17/2022	8:47:10	0.091	-0.0388	0.069	0.781	0.0184	104136	0.225	0.0038	0.048	0.634	0.0053	549	12	190	1.002
9/17/2022	8:52:10	0.107	-0.0346	0.059	0.769	0.0181	105097	0.223	0.0037	0.048	0.615	0.0053	545	12	190	1.002
9/17/2022	8:57:10	0.107	-0.0367	0.060	0.758	0.0180	104881	0.221	0.0037	0.047	0.602	0.0053	540	12	190	1.002
9/17/2022	9:02:10	0.110	-0.0398	0.048	0.758	0.0188	103148	0.219	0.0039	0.047	0.596	0.0052	533	12	190	1.002
9/17/2022	9:07:10	0.104	-0.0359	0.054	0.782	0.0180	104426	0.228	0.0038	0.048	0.647	0.0055	558	12	190	1.002
9/17/2022	9:12:10	0.107	-0.0324	0.040	0.787	0.0194	101778	0.227	0.0040	0.048	0.638	0.0054	550	12	190	1.002
9/17/2022	9:17:11	0.106	-0.0364	0.040	0.772	0.0189	101460	0.222	0.0038	0.047	0.614	0.0053	539	12	190	1.002
9/17/2022	9:22:10	0.119	-0.0384	0.044	0.778	0.0177	105356	0.225	0.0037	0.048	0.629	0.0054	549	12	190	1.002
9/17/2022	9:27:10	0.116	-0.0398	0.034	0.770	0.0178	104156	0.223	0.0037	0.048	0.613	0.0053	543	12	190	1.002
9/17/2022	9:32:10	0.098	-0.0340	0.035	0.771	0.0176	105461	0.224	0.0038	0.048	0.613	0.0054	546	12	190	1.002
Run Averages		**0.104**	**-0.0362**	**0.056**	**0.776**	**0.0181**	**104309**	**0.225**	**0.0038**	**0.048**	**0.625**	**0.0054**	**548**			
9/17/2022	9:37:10	0.121	-0.0360	0.026	0.741	0.0185	103725	0.221	0.0040	0.047	0.586	0.0053	537	12	190	1.002
Start Run 2																

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp (C)	Press (atm)
9/17/2022	9:42:10	0.114	-0.0396	0.023	0.757	0.0188	106031	0.222	0.0041	0.048	0.595	0.0053	540	12	190	1.002
9/17/2022	9:47:10	0.137	-0.0420	0.031	0.751	0.0179	102046	0.217	0.0036	0.046	0.583	0.0052	526	12	190	1.002
9/17/2022	9:52:10	0.120	-0.0381	0.027	0.778	0.0177	105505	0.226	0.0038	0.048	0.630	0.0054	552	12	190	1.002
9/17/2022	9:57:10	0.130	-0.0423	0.020	0.781	0.0183	103710	0.227	0.0038	0.048	0.634	0.0055	553	12	190	1.002
9/17/2022	10:02:10	0.104	-0.0413	0.022	0.787	0.0182	104956	0.229	0.0038	0.048	0.652	0.0055	559	12	190	1.002
9/17/2022	10:07:10	0.129	-0.0355	0.019	0.760	0.0190	101760	0.224	0.0038	0.047	0.611	0.0054	542	12	190	1.002
9/17/2022	10:12:10	0.129	-0.0442	0.013	0.775	0.0174	107815	0.228	0.0040	0.050	0.629	0.0055	556	12	190	1.002
9/17/2022	10:17:10	0.129	-0.0360	0.017	0.818	0.0178	100710	0.218	0.0037	0.046	0.746	0.0052	527	12	190	1.002
9/17/2022	10:22:10	0.138	-0.0431	0.012	0.778	0.0177	100073	0.217	0.0037	0.046	0.636	0.0052	522	13	190	1.002
9/17/2022	10:27:10	0.123	-0.0421	0.014	0.751	0.0172	109066	0.227	0.0039	0.049	0.613	0.0055	555	12	190	1.002
9/17/2022	10:32:10	0.122	-0.0383	0.018	0.741	0.0184	105679	0.223	0.0039	0.047	0.591	0.0054	543	12	190	1.002
9/17/2022	10:37:10	0.113	-0.0359	0.005	0.759	0.0188	106617	0.224	0.0042	0.048	0.602	0.0054	544	12	190	1.002
9/17/2022	10:42:10	0.122	-0.0355	0.011	0.747	0.0180	105147	0.220	0.0038	0.047	0.591	0.0053	534	12	190	1.002
Run Averages		**0.124**	**-0.0395**	**0.018**	**0.768**	**0.0181**	**104547**	**0.223**	**0.0038**	**0.048**	**0.624**	**0.0054**	**543**			
9/17/2022	10:47:10	0.127	-0.0367	0.009	0.751	0.0188	103706	0.217	0.0040	0.046	0.583	0.0052	525	12	190	1.002
Start Run 3																
9/17/2022	10:52:10	0.122	-0.0389	0.001	0.782	0.0183	107691	0.222	0.0042	0.049	0.623	0.0054	541	12	190	1.002
9/17/2022	10:57:10	0.115	-0.0388	0.005	0.778	0.0192	103718	0.223	0.0039	0.047	0.634	0.0053	543	12	190	1.003
9/17/2022	11:02:13	0.122	-0.0402	0.002	0.865	0.0193	100417	0.224	0.0040	0.047	0.821	0.0054	540	12	190	1.002
9/17/2022	11:07:10	0.111	-0.0387	0.009	0.787	0.0184	105721	0.230	0.0041	0.049	0.639	0.0055	558	12	190	1.002
9/17/2022	11:12:10	0.102	-0.0408	0.004	0.778	0.0190	104275	0.228	0.0040	0.048	0.629	0.0055	553	12	190	1.002
9/17/2022	11:17:10	0.103	-0.0488	0.008	0.769	0.0177	105670	0.228	0.0038	0.048	0.619	0.0055	555	12	190	1.002
9/17/2022	11:22:10	0.119	-0.0456	0.006	0.750	0.0177	103452	0.223	0.0037	0.047	0.589	0.0054	542	12	190	1.002
9/17/2022	11:27:13	0.109	-0.0352	-0.005	0.759	0.0186	106053	0.227	0.0042	0.048	0.609	0.0055	553	12	190	1.002
9/17/2022	11:32:10	0.132	-0.0410	0.001	0.734	0.0182	94201	0.211	0.0038	0.043	0.568	0.0050	500	13	190	1.002
9/17/2022	11:37:10	0.136	-0.0412	0.009	0.762	0.0182	99171	0.216	0.0038	0.045	0.616	0.0052	517	12	190	1.002
9/17/2022	11:42:10	0.116	-0.0483	0.005	0.744	0.0170	106244	0.223	0.0039	0.048	0.588	0.0054	541	12	190	1.002
9/17/2022	11:47:10	0.110	-0.0428	0.006	0.754	0.0178	105684	0.221	0.0042	0.047	0.583	0.0054	535	12	190	1.002
9/17/2022	11:52:10	0.122	-0.0453	0.010	0.785	0.0173	102183	0.217	0.0038	0.046	0.656	0.0052	522	12	190	1.002
Run Averages		**0.117**	**-0.0420**	**0.005**	**0.773**	**0.0182**	**103422**	**0.223**	**0.0039**	**0.047**	**0.629**	**0.0054**	**538**			
9/17/2022	11:57:10	0.111	-0.0432	0.005	0.752	0.0178	105937	0.221	0.0041	0.047	0.592	0.0053	535	12	190	1.002
9/17/2022	12:02:10	0.129	-0.0440	-0.003	0.752	0.0179	106014	0.220	0.0040	0.048	0.587	0.0053	534	12	190	1.002
9/17/2022	12:07:10	0.143	-0.0413	0.001	0.783	0.0187	98132	0.213	0.0037	0.045	0.638	0.0051	508	12	190	1.002
Start Run 4																
9/17/2022	12:12:10	0.101	-0.0365	-0.011	0.781	0.0184	110451	0.228	0.0043	0.050	0.651	0.0055	557	12	190	1.002
9/17/2022	12:17:10	0.100	-0.0383	-0.007	0.774	0.0193	109483	0.227	0.0044	0.049	0.648	0.0055	555	12	190	1.003
9/17/2022	12:22:10	0.112	-0.0416	-0.002	0.776	0.0187	103720	0.219	0.0039	0.047	0.603	0.0053	531	12	190	1.002
9/17/2022	12:27:10	0.102	-0.0431	-0.007	0.772	0.0185	106652	0.222	0.0041	0.048	0.605	0.0054	541	12	190	1.002
9/17/2022	12:32:10	0.111	-0.0443	-0.005	0.784	0.0191	106807	0.222	0.0040	0.048	0.642	0.0053	540	12	190	1.002
9/17/2022	12:37:10	0.122	-0.0462	-0.004	0.765	0.0191	104264	0.219	0.0039	0.046	0.615	0.0052	531	12	190	1.002
9/17/2022	12:42:10	0.103	-0.0475	-0.007	0.761	0.0172	103144	0.217	0.0042	0.046	0.592	0.0052	521	12	190	1.002
9/17/2022	12:47:10	0.101	-0.0479	-0.008	0.774	0.0169	108021	0.223	0.0042	0.048	0.629	0.0054	541	12	190	1.002

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp (C)	Press (atm)
9/17/2022	12:52:10	0.106	-0.0569	-0.005	0.783	0.0168	110249	0.229	0.0040	0.050	0.632	0.0056	560	12	190	1.002
9/17/2022	12:57:10	0.109	-0.0469	-0.006	0.767	0.0174	108029	0.228	0.0040	0.048	0.630	0.0055	557	12	190	1.002
9/17/2022	13:02:10	0.118	-0.0494	-0.011	0.762	0.0191	100947	0.227	0.0042	0.048	0.629	0.0054	547	12	190	1.002
9/17/2022	13:07:10	0.102	-0.0492	-0.009	0.777	0.0182	109719	0.238	0.0042	0.051	0.689	0.0057	583	12	190	1.002
9/17/2022	13:12:10	0.099	-0.0465	0.001	0.766	0.0176	109659	0.236	0.0039	0.050	0.662	0.0057	579	12	190	1.002
Run Averages		**0.106**	**-0.0457**	**-0.006**	**0.772**	**0.0182**	**107011**	**0.226**	**0.0041**	**0.048**	**0.633**	**0.0054**	**549**			
9/17/2022	13:17:10	0.115	-0.0434	-0.010	0.745	0.0195	103459	0.227	0.0042	0.048	0.610	0.0054	549	12	190	1.002
9/17/2022	13:22:10	0.118	-0.0462	-0.007	0.733	0.0185	103765	0.225	0.0039	0.047	0.591	0.0054	544	12	190	1.002
Start Run 5																
9/17/2022	13:27:10	0.155	-0.0476	-0.008	0.785	0.0186	92413	0.208	0.0038	0.043	0.729	0.0050	492	13	190	1.002
9/17/2022	13:32:10	0.089	-0.0420	-0.001	0.753	0.0165	113668	0.232	0.0043	0.050	0.620	0.0057	569	12	190	1.002
9/17/2022	13:37:10	0.118	-0.0498	-0.007	0.741	0.0185	105090	0.221	0.0040	0.047	0.591	0.0053	536	12	190	1.002
9/17/2022	13:42:10	0.127	-0.0488	-0.010	0.763	0.0188	96993	0.211	0.0039	0.045	0.604	0.0051	503	12	190	1.002
9/17/2022	13:47:10	0.110	-0.0451	-0.008	0.778	0.0178	105536	0.227	0.0038	0.048	0.633	0.0055	549	12	190	1.002
9/17/2022	13:52:10	0.116	-0.0474	-0.007	0.816	0.0186	99970	0.226	0.0038	0.047	0.677	0.0055	539	12	190	1.002
9/17/2022	13:57:10	0.110	-0.0441	-0.010	0.802	0.0184	103639	0.226	0.0040	0.049	0.659	0.0055	543	12	190	1.003
9/17/2022	14:02:10	0.124	-0.0515	-0.016	0.804	0.0182	104961	0.223	0.0039	0.048	0.699	0.0054	539	12	190	1.002
9/17/2022	14:07:10	0.126	-0.0489	-0.007	0.825	0.0182	104881	0.224	0.0040	0.049	0.794	0.0054	541	12	190	1.002
9/17/2022	14:12:10	0.111	-0.0457	-0.001	0.783	0.0176	106752	0.233	0.0038	0.049	0.645	0.0057	566	12	190	1.002
9/17/2022	14:17:10	0.111	-0.0385	-0.004	0.792	0.0192	110017	0.235	0.0040	0.051	0.687	0.0057	577	12	190	1.002
9/17/2022	14:22:10	0.124	-0.0459	-0.002	0.807	0.0192	109642	0.233	0.0040	0.050	0.688	0.0057	571	12	190	1.002
9/17/2022	14:27:10	0.143	-0.0403	-0.007	0.772	0.0203	94086	0.213	0.0038	0.044	0.612	0.0051	506	12	190	1.002
Run Averages		**0.120**	**-0.0458**	**-0.007**	**0.786**	**0.0185**	**103665**	**0.224**	**0.0039**	**0.048**	**0.664**	**0.0054**	**541**			
9/17/2022	14:32:10	0.147	-0.0509	-0.008	0.781	0.0181	100168	0.221	0.0039	0.047	0.610	0.0054	526	12	190	1.002
Start Run 6																
9/17/2022	14:37:10	0.128	-0.0458	-0.004	0.764	0.0183	103871	0.225	0.0038	0.048	0.617	0.0055	544	12	190	1.002
9/17/2022	14:42:10	0.115	-0.0493	-0.012	0.783	0.0177	110627	0.234	0.0043	0.051	0.655	0.0057	571	12	190	1.002
9/17/2022	14:47:13	0.129	-0.0437	-0.003	0.757	0.0180	103981	0.226	0.0039	0.047	0.614	0.0055	546	12	190	1.002
9/17/2022	14:52:15	0.143	-0.0435	-0.008	0.808	0.0190	101300	0.224	0.0041	0.047	0.708	0.0054	537	12	190	1.002
9/17/2022	14:57:10	0.167	-0.0456	-0.005	0.822	0.0181	96579	0.218	0.0037	0.046	0.773	0.0053	516	12	190	1.002
9/17/2022	15:02:10	0.113	-0.0425	-0.015	0.856	0.0179	108971	0.235	0.0044	0.051	0.794	0.0058	571	12	190	1.002
9/17/2022	15:07:10	0.117	-0.0460	-0.009	0.794	0.0183	110879	0.238	0.0042	0.052	0.666	0.0058	580	12	190	1.002
9/17/2022	15:12:13	0.122	-0.0494	-0.013	0.788	0.0177	111457	0.238	0.0043	0.052	0.680	0.0059	580	12	190	1.002
9/17/2022	15:17:10	0.146	-0.0429	-0.012	0.752	0.0194	103376	0.226	0.0040	0.048	0.617	0.0055	545	12	190	1.002
9/17/2022	15:22:12	0.155	-0.0486	-0.006	0.778	0.0183	106669	0.229	0.0039	0.049	0.650	0.0056	555	12	190	1.002
9/17/2022	15:27:10	0.158	-0.0422	-0.008	0.790	0.0188	98337	0.218	0.0039	0.045	0.649	0.0052	517	12	190	1.002
9/17/2022	15:32:10	0.147	-0.0458	-0.007	0.827	0.0185	101122	0.221	0.0039	0.047	0.694	0.0053	526	12	190	1.002
9/17/2022	15:37:10	0.153	-0.0419	-0.006	0.779	0.0182	99526	0.217	0.0038	0.046	0.622	0.0053	515	12	190	1.002
Run Averages		**0.138**	**-0.0452**	**-0.008**	**0.792**	**0.0183**	**104361**	**0.227**	**0.0040**	**0.048**	**0.672**	**0.0055**	**546**			
9/17/2022	15:42:10	0.137	-0.0357	-0.012	0.796	0.0195	106328	0.226	0.0041	0.048	0.658	0.0055	545	12	190	1.002
Start Run 7																
9/17/2022	15:47:10	0.144	-0.0525	-0.012	0.776	0.0176	110278	0.223	0.0042	0.050	0.627	0.0054	541	12	190	1.002

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp (C)	Press (atm)
9/17/2022	15:52:10	0.149	-0.0466	-0.011	0.774	0.0181	102367	0.209	0.0045	0.046	0.622	0.0051	497	12	190	1.002
9/17/2022	15:57:10	0.145	-0.0432	-0.013	0.783	0.0182	104890	0.218	0.0045	0.048	0.633	0.0053	521	12	190	1.002
9/17/2022	16:02:10	0.123	-0.0521	-0.009	0.762	0.0169	112565	0.232	0.0043	0.051	0.625	0.0057	564	12	190	1.002
9/17/2022	16:07:10	0.125	-0.0484	-0.015	0.793	0.0182	115431	0.233	0.0045	0.052	0.669	0.0057	569	12	190	1.002
9/17/2022	16:12:11	0.146	-0.0471	-0.010	0.777	0.0191	107463	0.220	0.0043	0.048	0.626	0.0053	531	12	190	1.002
9/17/2022	16:17:10	0.135	-0.0404	-0.005	0.792	0.0186	111596	0.227	0.0043	0.050	0.663	0.0055	553	12	190	1.002
9/17/2022	16:22:10	0.132	-0.0351	-0.007	0.771	0.0195	107370	0.226	0.0042	0.048	0.637	0.0054	547	12	190	1.002
9/17/2022	16:27:10	0.138	-0.0413	-0.012	0.776	0.0185	111608	0.236	0.0044	0.051	0.659	0.0057	574	12	190	1.002
9/17/2022	16:32:10	0.143	-0.0421	-0.009	0.758	0.0197	107578	0.233	0.0042	0.049	0.660	0.0056	567	12	190	1.002
9/17/2022	16:37:10	0.168	-0.0430	-0.010	0.774	0.0198	97139	0.221	0.0040	0.046	0.655	0.0053	524	12	190	1.002
9/17/2022	16:42:10	0.127	-0.0367	-0.009	0.789	0.0190	101573	0.226	0.0043	0.048	0.656	0.0054	535	12	190	1.002
9/17/2022	16:47:10	0.138	-0.0516	-0.009	0.759	0.0171	108292	0.230	0.0040	0.050	0.612	0.0056	555	12	190	1.002
Run Averages		**0.139**	**-0.0446**	**-0.010**	**0.776**	**0.0185**	**107550**	**0.226**	**0.0043**	**0.049**	**0.642**	**0.0055**	**544**			
9/17/2022	16:52:10	0.114	-0.0456	-0.010	0.771	0.0186	107523	0.229	0.0042	0.049	0.623	0.0056	551	12	190	1.002
9/17/2022	16:59:34	52.985	-0.1516	0.004	0.954	-0.0240	183938	0.498	0.0211	0.106	0.908	0.0151	1380	12	190	1.003
9/17/2022	17:00:34	92.551	-0.0286	0.024	0.470	0.0198	48587	0.163	0.0040	0.026	0.497	0.0036	290	14	190	1.005
9/17/2022	17:01:34	96.651	-0.0326	0.018	0.125	0.0055	23734	0.112	0.0043	0.016	0.216	0.0064	148	15	190	1.002
9/17/2022	17:02:34	97.442	-0.0330	0.017	0.060	0.0041	15444	0.099	0.0042	0.014	0.150	0.0062	91	15	190	1.002
9/17/2022	17:03:34	98.066	-0.0217	0.021	0.018	0.0072	8664	0.094	0.0038	0.011	0.103	0.0063	70	15	190	1.002
9/17/2022	17:04:34	98.474	-0.0234	0.020	0.008	0.0044	5026	0.092	0.0034	0.009	0.066	0.0061	54	16	190	1.002
9/17/2022	17:05:34	98.863	-0.0159	0.011	-0.241	0.0062	3701	0.094	0.0033	0.008	0.043	0.0060	27	16	190	1.002
9/17/2022	17:06:34	98.821	-0.0134	0.015	-0.198	0.0077	2911	0.093	0.0033	0.008	0.035	0.0062	25	16	190	1.001
9/17/2022	17:07:34	98.940	-0.0231	0.011	-0.121	0.0061	1499	0.090	0.0032	0.008	0.021	0.0062	24	17	190	1.001
System CTS		**98.940**														
9/17/2022	17:08:34	99.094	-0.0158	0.008	-0.135	0.0103	1104	0.093	0.0031	0.007	0.024	0.0061	11	17	190	1.001
9/17/2022	17:09:34	17.439	-0.0021	0.016	-0.124	0.0242	1020	0.086	0.0030	0.007	0.021	0.0033	4	17	190	1.001
9/17/2022	17:10:37	0.476	-0.0207	0.011	-0.109	0.0105	949	0.049	0.0031	0.007	0.019	0.0005	3	17	190	1.001
9/17/2022	17:11:34	0.470	-0.0262	0.016	-0.088	0.0107	810	0.051	0.0031	0.007	0.016	0.0005	3	17	190	1.001
9/17/2022	17:12:34	0.449	-0.0058	0.006	-0.073	0.0101	593	0.049	0.0028	0.006	0.013	0.0005	3	17	190	1.001
9/17/2022	17:13:34	0.426	-0.0108	0.011	-0.067	0.0103	542	0.050	0.0029	0.007	0.018	0.0005	2	17	190	1.001
9/17/2022	17:14:34	0.415	-0.0131	0.013	-0.059	0.0100	488	0.051	0.0030	0.007	0.016	0.0005	2	17	190	1.001
9/17/2022	17:15:37	0.440	-0.0143	0.012	-0.048	0.0088	439	0.050	0.0029	0.007	0.015	0.0004	2	17	190	1.001
9/17/2022	17:16:34	0.423	-0.0193	0.016	-0.050	0.0098	402	0.051	0.0028	0.006	0.014	0.0004	2	17	190	1.001
System Zero		**0.423**														
9/17/2022	17:17:34	0.401	-0.0117	0.013	-0.053	0.0094	361	0.050	0.0029	0.007	0.013	0.0004	1	17	190	1.001
9/17/2022	17:18:34	10.067	-0.0090	0.010	-0.041	0.0166	287	0.068	0.0031	0.007	0.011	0.0021	2	17	190	1.000
9/17/2022	17:19:34	97.382	-0.0211	0.010	-0.008	0.0107	144	0.092	0.0030	0.007	0.010	0.0045	4	17	190	0.992
9/17/2022	17:20:34	99.480	-0.0096	0.013	-0.019	0.0075	-58	0.092	0.0029	0.007	0.011	0.0060	3	17	190	0.992
9/17/2022	17:21:34	99.432	-0.0145	0.009	-0.015	0.0074	-50	0.090	0.0029	0.007	0.011	0.0059	3	17	190	0.992
9/17/2022	17:22:37	99.355	-0.0161	0.009	-0.018	0.0078	-68	0.091	0.0028	0.007	0.011	0.0059	3	17	190	0.992
Direct CTS		**99.355**														
9/17/2022	17:23:34	99.345	-0.0203	0.001	-0.013	0.0074	-67	0.091	0.0030	0.007	0.011	0.0059	3	17	190	0.992

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp (C)	Press (atm)
9/17/2022	17:24:34	12.243	-0.0129	0.014	-0.005	0.0180	31	0.069	0.0028	0.006	0.007	0.0020	1	17	190	0.992
9/17/2022	17:25:34	0.442	-0.0031	0.009	-0.002	0.0096	26	0.051	0.0028	0.007	0.006	0.0004	0	17	190	0.992
9/17/2022	17:26:34	0.422	-0.0113	0.010	-0.004	0.0092	53	0.050	0.0030	0.007	0.006	0.0004	0	17	190	0.992
9/17/2022	17:27:34	0.417	-0.0096	0.010	-0.004	0.0090	26	0.051	0.0029	0.007	0.006	0.0004	0	17	190	0.992
9/17/2022	17:28:36	0.415	-0.0189	0.007	-0.003	0.0089	19	0.051	0.0029	0.007	0.006	0.0004	0	17	190	0.992
9/17/2022	17:29:34	0.397	-0.0216	0.012	-0.004	0.0092	12	0.050	0.0029	0.007	0.006	0.0004	0	17	190	0.992
Direct Zero		**0.397**														
9/17/2022	17:30:34	0.418	-0.0198	0.008	-0.001	0.0098	13	0.051	0.0030	0.007	0.005	0.0004	0	17	190	0.992
9/17/2022	17:33:34	-0.001	0.0007	0.000	-0.004	0.0003	-7	0.004	0.0018	0.004	0.003	0.0001	0	17	190	0.992

Client: Georgia Power
Facility: Plant McInstosh
Source: Unit 1
Condition: Fuel Oil Max

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp (C)	Press (atm)
9/20/2022	7:36:57	0.381	-0.0048	0.017	-0.003	0.007	35	0.032	0.0034	0.008	0.007	0.000	0	16	190	0.992
9/20/2022	7:37:57	0.389	-0.0130	0.012	-0.001	0.006	2	0.033	0.0034	0.008	0.006	0.000	1	16	190	0.992
9/20/2022	7:38:57	0.381	-0.0026	0.012	0.003	0.006	1	0.032	0.0036	0.009	0.006	0.000	0	16	190	0.992
9/20/2022	7:39:57	0.405	-0.0033	0.015	0.014	0.006	-57	0.033	0.0034	0.008	0.008	0.000	0	16	190	0.992
9/20/2022	7:40:57	0.395	-0.0167	0.011	0.024	0.006	-60	0.033	0.0034	0.008	0.011	0.000	1	16	190	0.992
9/20/2022	7:41:57	0.397	-0.0122	0.021	0.019	0.006	-74	0.032	0.0034	0.008	0.012	0.000	1	16	190	0.992
9/20/2022	7:42:57	0.389	-0.0210	0.010	0.025	0.006	-114	0.033	0.0034	0.008	0.015	0.000	1	16	190	0.992
9/20/2022	7:43:57	0.391	-0.0157	0.013	0.030	0.006	-137	0.033	0.0034	0.008	0.017	0.000	1	16	190	0.992
9/20/2022	7:44:57	0.387	0.0035	0.011	0.042	0.007	-141	0.032	0.0035	0.008	0.019	0.000	1	16	190	0.992
9/20/2022	7:45:57	0.386	-0.0028	0.017	0.036	0.006	-149	0.032	0.0034	0.008	0.020	0.000	1	16	190	0.992
9/20/2022	7:46:57	0.406	-0.0128	0.014	0.041	0.005	-166	0.033	0.0033	0.008	0.022	0.000	1	16	190	0.992
9/20/2022	7:47:57	0.387	-0.0143	0.009	0.042	0.006	-206	0.034	0.0029	0.007	0.022	0.000	1	16	190	0.992
9/20/2022	7:48:57	0.398	-0.0154	0.011	0.038	0.006	-161	0.033	0.0034	0.008	0.023	0.000	1	16	190	0.992
Direct Zero		**0.398**														
9/20/2022	7:49:57	0.392	-0.0119	0.013	0.043	0.006	-186	0.033	0.0033	0.008	0.022	0.000	1	16	190	0.992
9/20/2022	7:50:57	16.861	-0.0124	0.020	0.043	0.018	-174	0.081	0.0033	0.008	0.023	0.003	1	16	190	0.992
9/20/2022	7:51:57	96.888	-0.0095	0.018	0.035	0.010	-322	0.069	0.0034	0.008	0.024	0.003	3	16	190	0.992
9/20/2022	7:52:57	98.738	-0.0093	0.013	0.027	0.007	-306	0.077	0.0032	0.008	0.024	0.006	3	16	190	0.992
9/20/2022	7:53:57	98.989	-0.0088	0.014	0.041	0.006	-332	0.077	0.0035	0.009	0.024	0.006	3	16	190	0.992
9/20/2022	7:54:57	99.071	-0.0055	0.018	0.039	0.004	-297	0.076	0.0035	0.008	0.025	0.006	3	16	190	0.992
9/20/2022	7:55:57	98.925	-0.0195	0.012	0.027	0.004	-282	0.076	0.0036	0.009	0.020	0.006	3	16	190	0.992
9/20/2022	7:56:57	98.961	-0.0069	0.011	0.016	0.008	-237	0.079	0.0033	0.008	0.017	0.006	3	16	190	0.992
9/20/2022	7:57:57	99.014	-0.0061	0.018	0.025	0.005	-240	0.075	0.0035	0.009	0.018	0.006	3	16	190	0.992
Direct CTS		**99.014**														
9/20/2022	7:58:57	3.903	0.7639	0.003	0.035	4.412	-154	0.097	0.0039	0.010	0.018	0.005	1	16	190	0.992
9/20/2022	7:59:57	-3.779	0.8243	0.012	0.034	4.889	-130	0.112	0.0039	0.010	0.018	0.007	1	16	190	0.992
9/20/2022	8:00:57	-3.825	0.8381	-0.001	0.036	4.886	-154	0.113	0.0040	0.011	0.020	0.007	1	16	190	0.992
9/20/2022	8:01:57	-3.764	0.8526	0.011	0.044	4.892	-164	0.111	0.0042	0.011	0.021	0.007	1	16	190	0.992
9/20/2022	8:02:57	-3.899	0.8519	0.012	0.043	4.885	-163	0.115	0.0041	0.011	0.021	0.007	1	16	190	0.992
9/20/2022	8:03:57	-3.780	0.8628	0.006	0.044	4.886	-142	0.112	0.0042	0.011	0.020	0.007	1	16	190	0.992
9/20/2022	8:04:57	-3.808	0.8599	0.016	0.038	4.888	-153	0.111	0.0041	0.010	0.020	0.007	1	16	190	0.992
9/20/2022	8:05:57	-3.775	0.8697	0.003	0.040	4.888	-149	0.110	0.0040	0.010	0.019	0.006	1	16	190	0.992
9/20/2022	8:06:57	-3.887	0.8653	0.006	0.039	4.891	-141	0.113	0.0040	0.010	0.020	0.007	1	16	190	0.992
9/20/2022	8:07:57	-3.833	0.8592	0.007	0.032	4.889	-172	0.113	0.0040	0.010	0.021	0.007	1	16	190	0.992
9/20/2022	8:08:57	-2.749	0.8290	0.005	-0.219	2.967	3864	0.470	0.0083	0.019	0.137	0.008	13	15	190	0.995
9/20/2022	8:09:57	0.129	0.0056	0.028	0.012	0.006	231	0.076	0.0036	0.008	0.018	0.001	11	16	190	1.001
9/20/2022	8:10:57	0.326	-0.0140	0.034	0.020	0.006	40	0.039	0.0034	0.008	0.017	0.001	1	16	190	1.001
9/20/2022	8:11:57	0.343	-0.0049	0.025	0.028	0.007	-96	0.032	0.0033	0.008	0.018	0.001	1	16	190	1.001

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp (C)	Press (atm)
9/20/2022	8:13:00	0.363	0.0049	0.029	0.028	0.005	-101	0.032	0.0034	0.008	0.018	0.001	1	16	190	1.001
9/20/2022	8:13:59	0.366	-0.0142	0.018	0.029	0.006	-64	0.031	0.0035	0.008	0.018	0.001	1	16	190	1.001
9/20/2022	8:14:57	0.371	0.0002	0.013	0.026	0.006	-86	0.032	0.0036	0.008	0.019	0.001	1	16	190	1.001
9/20/2022	8:15:57	0.353	-0.0018	0.023	0.026	0.007	-70	0.031	0.0033	0.008	0.019	0.001	1	16	190	1.001
9/20/2022	8:16:57	0.336	-0.0070	0.023	0.032	0.005	-152	0.032	0.0033	0.008	0.019	0.001	1	16	190	1.001
9/20/2022	8:17:57	0.343	-0.0210	0.015	0.022	0.006	-123	0.031	0.0033	0.008	0.018	0.001	1	16	190	1.001
System Zero		**0.343**														
9/20/2022	8:18:57	0.390	-0.0038	0.028	0.028	0.005	-100	0.032	0.0034	0.008	0.017	0.000	1	16	190	1.001
9/20/2022	8:19:57	21.975	0.0024	0.014	0.020	0.023	-80	0.102	0.0032	0.008	0.016	0.005	1	16	190	1.001
9/20/2022	8:20:57	96.812	-0.0010	0.016	0.019	0.016	-99	0.068	0.0033	0.008	0.017	0.003	3	16	190	1.001
9/20/2022	8:21:57	98.650	-0.0116	0.025	0.024	0.009	-239	0.077	0.0034	0.008	0.019	0.006	3	16	190	1.001
9/20/2022	8:22:57	98.848	-0.0082	0.022	0.022	0.008	-201	0.077	0.0034	0.008	0.018	0.006	3	16	190	1.001
9/20/2022	8:23:57	98.963	-0.0106	0.016	0.023	0.007	-192	0.079	0.0034	0.008	0.018	0.006	3	16	190	1.001
9/20/2022	8:24:57	99.056	-0.0018	0.020	0.028	0.005	-169	0.078	0.0034	0.008	0.018	0.006	3	16	190	1.001
9/20/2022	8:25:57	98.932	-0.0028	0.015	0.022	0.006	-190	0.078	0.0033	0.008	0.018	0.006	3	16	190	1.001
9/20/2022	8:26:57	98.990	-0.0091	0.021	0.030	0.008	-185	0.079	0.0033	0.008	0.018	0.006	3	16	190	1.001
System CTS		**98.990**														
9/20/2022	8:27:57	17.779	-0.0049	0.010	0.035	0.022	-192	0.071	0.0033	0.008	0.020	0.003	1	16	190	0.994
9/20/2022	8:28:57	0.446	-0.0044	0.018	0.049	0.007	-163	0.031	0.0034	0.008	0.021	0.000	1	16	190	0.992
9/20/2022	8:29:57	0.437	-0.0045	0.017	0.045	0.007	-157	0.031	0.0033	0.008	0.020	0.000	1	16	190	0.992
9/20/2022	8:30:59	0.426	-0.0024	0.014	0.041	0.006	-154	0.031	0.0035	0.008	0.020	0.000	1	16	190	0.992
9/20/2022	8:31:57	0.428	-0.0031	0.012	0.037	0.007	-140	0.032	0.0032	0.008	0.018	0.000	1	16	190	0.992
9/20/2022	8:33:00	0.408	-0.0052	0.013	0.035	0.007	-136	0.031	0.0032	0.008	0.019	0.000	1	16	190	0.992
9/20/2022	8:33:57	0.415	-0.0079	0.013	0.031	0.006	-146	0.031	0.0033	0.008	0.018	0.000	1	16	190	0.992
9/20/2022	8:36:57	-0.006	-0.0119	0.002	-0.005	0.000	-21	0.005	0.0019	0.004	0.004	0.000	0	16	190	0.992
9/20/2022	8:37:57	-0.009	0.0071	-0.002	-0.005	0.000	-18	0.005	0.0019	0.004	0.004	0.000	0	16	190	0.992
9/20/2022	8:38:57	-0.015	0.0027	0.000	-0.001	0.000	-14	0.005	0.0019	0.004	0.004	0.000	0	16	190	0.992
9/20/2022	8:39:57	23.547	0.0010	0.000	-0.008	0.018	9	0.092	0.0019	0.004	0.005	0.005	1	16	190	0.992
9/20/2022	8:40:57	96.218	-0.0058	0.000	-0.007	0.010	-67	0.060	0.0018	0.004	0.007	0.003	3	16	190	0.992
9/20/2022	8:41:57	98.317	-0.0049	-0.002	-0.011	-0.001	-98	0.072	0.0019	0.004	0.009	0.006	3	16	190	0.992
9/20/2022	8:42:57	98.285	-0.0029	-0.005	-0.015	0.000	-86	0.072	0.0020	0.005	0.010	0.006	3	16	190	0.992
9/20/2022	8:43:57	98.358	-0.0030	0.001	-0.012	0.000	-63	0.072	0.0019	0.004	0.008	0.006	3	16	190	0.992
9/20/2022	8:44:57	98.390	-0.0021	0.003	-0.012	0.000	-78	0.072	0.0019	0.004	0.008	0.006	3	16	190	0.992
9/20/2022	8:45:57	98.353	0.0008	0.004	-0.009	0.002	-94	0.073	0.0021	0.005	0.009	0.006	3	16	190	0.992
9/20/2022	8:46:57	98.278	-0.0011	0.014	-0.011	0.002	-75	0.073	0.0020	0.004	0.008	0.006	3	16	190	0.992
9/20/2022	8:47:57	98.127	0.0007	-0.001	-0.013	0.002	-113	0.072	0.0021	0.005	0.008	0.006	3	16	190	0.992
9/20/2022	8:48:57	98.298	-0.0004	-0.006	-0.011	-0.002	-52	0.070	0.0019	0.004	0.009	0.006	3	16	190	0.992
9/20/2022	8:49:57	-0.530	0.0182	0.073	-2.772	-0.107	98936	1.976	0.0116	0.055	2.290	0.046	188	12	190	0.991
9/20/2022	8:50:57	-0.235	0.0188	-0.017	0.842	0.021	100794	0.215	0.0114	0.048	0.778	0.005	524	11	190	0.991
9/20/2022	8:51:57	-0.239	0.0131	-0.022	0.859	0.018	108247	0.225	0.0120	0.052	0.616	0.005	560	11	190	0.992
9/20/2022	8:52:57	-0.280	0.0341	-0.034	0.850	0.018	110960	0.230	0.0123	0.053	0.672	0.006	572	11	190	0.993
9/20/2022	8:53:57	-0.261	0.0237	-0.035	0.818	0.016	111111	0.228	0.0124	0.053	0.670	0.006	569	11	190	0.994

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp (C)	Press (atm)
9/20/2022	8:54:57	-0.257	0.0330	-0.043	0.799	0.018	110547	0.228	0.0125	0.053	0.659	0.006	565	11	190	0.994
9/20/2022	8:55:57	-0.280	0.0353	-0.046	0.803	0.019	110520	0.227	0.0126	0.053	0.656	0.005	562	11	190	0.994
9/20/2022	8:56:57	-0.250	0.0076	-0.023	0.784	0.017	109777	0.222	0.0123	0.053	0.612	0.005	558	11	190	0.993
9/20/2022	8:57:57	-0.284	0.0131	-0.034	0.790	0.018	110261	0.221	0.0126	0.053	0.652	0.005	552	11	190	0.993
9/20/2022	8:58:57	-0.268	0.0231	-0.034	0.782	0.018	109321	0.220	0.0125	0.053	0.646	0.005	550	11	190	0.993
9/20/2022	8:59:57	-0.257	0.0145	-0.038	0.771	0.018	110226	0.218	0.0129	0.053	0.616	0.005	544	11	190	0.993
Method 301 Validation CH2O																
9/20/2022	9:00:57	-0.243	0.0266	-0.029	0.753	0.015	111857	0.220	0.0130	0.054	0.617	0.005	551	11	190	0.993
9/20/2022	9:01:57	-0.265	0.0285	-0.029	0.786	0.018	113047	0.228	0.0126	0.054	0.680	0.006	572	11	190	0.993
9/20/2022	9:02:57	-0.278	0.0270	-0.061	0.795	0.019	113414	0.233	0.0125	0.055	0.749	0.006	585	11	190	0.993
9/20/2022	9:03:57	-0.259	0.0145	-0.017	0.773	0.016	112052	0.229	0.0121	0.054	0.662	0.006	578	11	190	0.993
9/20/2022	9:04:57	-0.298	0.0252	-0.042	0.783	0.018	112687	0.231	0.0119	0.054	0.675	0.006	582	11	190	0.993
9/20/2022	9:05:57	-0.276	**0.0127**	-0.039	0.804	**0.018**	112509	0.230	0.0121	0.055	0.700	0.006	576	11	190	0.993
9/20/2022	9:06:57	-0.255	**0.0021**	-0.028	0.774	**0.016**	111302	0.225	0.0125	0.054	0.639	0.006	567	11	190	0.993
9/20/2022	9:07:57	-0.278	0.0160	-0.038	0.780	0.018	110141	0.223	0.0123	0.054	0.653	0.005	558	11	190	0.993
9/20/2022	9:08:57	-0.272	-0.0085	-0.035	0.766	0.018	109914	0.224	0.0122	0.054	0.652	0.005	559	11	190	0.993
9/20/2022	9:09:57	-0.250	0.0186	-0.033	0.767	0.018	108823	0.221	0.0121	0.053	0.630	0.005	551	11	190	0.993
9/20/2022	9:10:57	-0.328	0.2971	0.001	0.825	0.150	95323	0.198	0.0116	0.048	0.710	0.005	494	11	190	1.001
9/20/2022	9:11:57	-0.454	0.3280	0.018	1.040	0.328	85564	0.205	0.0106	0.043	0.659	0.005	454	12	190	1.003
9/20/2022	9:12:57	-0.523	0.2209	0.068	1.082	0.327	90455	0.208	0.0112	0.044	0.692	0.005	448	11	190	1.003
9/20/2022	9:14:00	-0.485	0.1612	0.100	1.246	0.330	95300	0.196	0.0114	0.047	0.654	0.005	489	11	190	1.003
9/20/2022	9:14:57	-0.471	0.1579	0.097	1.259	0.329	99164	0.202	0.0121	0.048	0.556	0.005	500	11	190	1.003
9/20/2022	9:15:57	-0.613	0.1491	0.104	1.284	0.326	101185	0.202	0.0123	0.048	0.569	0.005	510	11	190	1.003
9/20/2022	9:16:57	-0.507	0.1136	0.081	1.329	0.331	102814	0.207	0.0124	0.052	0.627	0.005	521	11	190	1.003
9/20/2022	9:17:57	-0.451	0.1152	0.087	1.332	0.328	103773	0.212	0.0114	0.050	0.647	0.005	542	11	190	1.004
9/20/2022	9:18:57	-0.471	0.1210	0.068	1.334	0.331	103279	0.216	0.0116	0.051	0.673	0.005	541	11	190	1.004
9/20/2022	9:19:57	-0.517	0.1070	0.094	1.329	0.331	102764	0.214	0.0112	0.049	0.621	0.005	541	11	190	1.004
9/20/2022	9:20:57	-0.477	0.1114	0.086	1.386	0.329	100524	0.209	0.0113	0.047	0.809	0.005	527	11	190	1.005
9/20/2022	9:21:57	-0.544	0.1103	0.062	1.349	0.330	99392	0.209	0.0112	0.047	0.736	0.005	519	12	190	1.004
9/20/2022	9:22:57	-0.499	0.1059	0.071	1.328	0.330	100341	0.207	0.0115	0.048	0.739	0.005	521	12	190	1.003
9/20/2022	9:23:58	-0.511	0.0996	0.048	1.253	0.332	100518	0.208	0.0115	0.049	0.591	0.005	523	12	190	1.003
9/20/2022	9:24:57	-0.524	0.0953	0.070	1.261	0.330	98721	0.204	0.0113	0.048	0.646	0.005	515	12	190	1.003
9/20/2022	9:25:57	-0.485	0.0869	0.039	1.318	0.334	99433	0.204	0.0120	0.048	0.794	0.005	508	12	190	1.003
9/20/2022	9:26:58	-0.503	0.0809	0.058	1.253	0.330	99322	0.204	0.0116	0.048	0.637	0.005	509	12	190	1.002
9/20/2022	9:27:57	-0.530	0.0771	0.050	1.233	0.329	98329	0.202	0.0115	0.048	0.626	0.005	504	12	190	1.002
9/20/2022	9:29:00	-0.543	0.0847	0.059	1.220	0.330	99097	0.199	0.0120	0.047	0.620	0.005	498	12	190	1.002
9/20/2022	9:29:57	-0.487	0.0738	0.052	1.245	0.329	99619	0.199	0.0120	0.048	0.673	0.005	497	12	190	1.002
9/20/2022	9:30:57	-0.492	0.0741	0.042	1.171	0.330	99607	0.199	0.0121	0.049	0.549	0.005	499	12	190	1.002
9/20/2022	9:31:57	-0.485	0.0953	0.048	1.185	0.331	102430	0.201	0.0123	0.048	0.547	0.005	508	12	190	1.002
9/20/2022	9:32:57	-0.468	0.0866	0.043	1.181	0.329	101966	0.201	0.0126	0.049	0.555	0.005	502	12	190	1.002
9/20/2022	9:33:58	-0.514	0.0934	0.041	1.169	0.331	101986	0.200	0.0124	0.049	0.555	0.005	502	12	190	1.002
9/20/2022	9:34:59	-0.463	**0.0608**	0.056	1.173	**0.329**	101667	0.197	0.0126	0.050	0.553	0.005	503	12	190	1.002

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp (C)	Press (atm)
9/20/2022	9:35:57	-0.523	**0.0629**	0.035	1.157	**0.334**	100736	0.200	0.0125	0.049	0.549	0.005	501	12	190	1.002
9/20/2022	9:36:57	-0.506	0.0907	0.056	1.142	0.331	98960	0.200	0.0118	0.046	0.568	0.005	501	12	190	1.002
9/20/2022	9:37:57	-0.491	0.0948	0.051	1.234	0.334	98543	0.203	0.0117	0.046	0.720	0.005	504	12	190	1.002
9/20/2022	9:38:59	-0.312	0.0282	-0.002	1.031	0.069	104929	0.221	0.0113	0.051	0.645	0.005	551	11	190	0.994
9/20/2022	9:39:57	-0.280	0.0259	-0.018	0.918	0.013	111174	0.227	0.0119	0.053	0.731	0.006	571	11	190	0.991
9/20/2022	9:40:57	-0.254	-0.0034	-0.024	0.869	0.012	111463	0.225	0.0123	0.053	0.734	0.006	567	11	190	0.991
9/20/2022	9:41:57	-0.289	0.0152	-0.025	0.859	0.014	111329	0.227	0.0121	0.053	0.737	0.006	568	11	190	0.991
9/20/2022	9:42:57	-0.279	**0.0087**	-0.037	0.830	**0.013**	110874	0.224	0.0123	0.053	0.675	0.006	561	11	190	0.992
9/20/2022	9:43:57	-0.273	**0.0087**	-0.035	0.816	**0.013**	110573	0.223	0.0121	0.052	0.664	0.006	559	11	190	0.992
9/20/2022	9:44:57	-0.271	0.0080	-0.017	0.794	0.013	110738	0.223	0.0123	0.053	0.667	0.005	558	11	190	0.992
9/20/2022	9:45:58	-0.372	0.0835	0.007	0.912	0.257	101611	0.212	0.0113	0.048	0.625	0.005	528	11	190	1.000
9/20/2022	9:46:59	-0.466	**0.0699**	0.013	1.025	**0.333**	98636	0.208	0.0114	0.048	0.584	0.005	515	11	190	1.002
9/20/2022	9:47:57	-0.441	**0.0666**	0.031	1.048	**0.331**	98491	0.204	0.0113	0.048	0.580	0.005	514	11	190	1.002
9/20/2022	9:48:57	-0.438	0.0615	0.033	1.077	0.335	98704	0.203	0.0114	0.048	0.593	0.005	508	11	190	1.002
9/20/2022	9:49:57	-0.495	0.0572	0.039	1.149	0.333	98941	0.206	0.0111	0.047	0.775	0.005	518	11	190	1.002
9/20/2022	9:50:57	-0.297	0.0227	-0.019	0.943	0.031	108316	0.225	0.0119	0.052	0.668	0.006	561	11	190	0.991
9/20/2022	9:51:57	-0.299	0.0232	-0.017	0.855	0.014	107988	0.221	0.0122	0.052	0.621	0.005	552	11	190	0.991
9/20/2022	9:52:57	-0.275	**0.0008**	-0.018	0.837	**0.013**	108749	0.222	0.0120	0.052	0.624	0.005	557	11	190	0.991
9/20/2022	9:54:00	-0.270	**0.0014**	-0.012	0.826	**0.013**	109280	0.222	0.0121	0.052	0.651	0.005	557	11	190	0.991
9/20/2022	9:55:00	-0.255	0.0060	-0.015	0.809	0.012	109263	0.222	0.0120	0.052	0.654	0.005	556	11	190	0.991
9/20/2022	9:55:57	-0.288	0.0117	-0.014	0.781	0.014	109215	0.222	0.0123	0.052	0.622	0.005	555	11	190	0.991
9/20/2022	9:56:57	-0.357	0.0411	-0.009	0.809	0.174	103426	0.212	0.0116	0.049	0.585	0.005	532	11	190	0.997
9/20/2022	9:58:00	-0.497	0.0755	0.028	1.005	0.334	98194	0.202	0.0113	0.047	0.680	0.005	511	11	190	1.002
9/20/2022	9:58:57	-0.438	**0.0668**	0.030	1.044	**0.330**	98645	0.204	0.0113	0.047	0.697	0.005	508	11	190	1.002
9/20/2022	9:59:57	-0.437	**0.0715**	0.023	1.074	**0.332**	98844	0.204	0.0113	0.047	0.738	0.005	512	11	190	1.002
9/20/2022	10:00:57	-0.420	0.0624	0.007	0.998	0.334	98769	0.204	0.0114	0.048	0.571	0.005	509	11	190	1.002
9/20/2022	10:01:57	-0.464	0.0725	0.028	1.080	0.330	99070	0.204	0.0115	0.047	0.715	0.005	512	12	190	1.002
9/20/2022	10:02:57	-0.476	0.0909	0.010	1.118	0.332	99435	0.204	0.0119	0.048	0.740	0.005	507	11	190	1.002
9/20/2022	10:03:59	-0.474	0.0723	0.030	1.029	0.332	99038	0.201	0.0114	0.047	0.560	0.005	504	11	190	1.002
9/20/2022	10:04:57	-0.343	0.0325	-0.007	0.933	0.042	108113	0.217	0.0126	0.051	0.625	0.005	541	11	190	0.993
9/20/2022	10:05:58	-0.271	0.0184	-0.030	0.844	0.015	108472	0.218	0.0128	0.052	0.619	0.005	540	11	190	0.992
9/20/2022	10:06:57	-0.264	0.0305	-0.014	0.818	0.013	106979	0.216	0.0122	0.050	0.605	0.005	540	11	190	0.992
9/20/2022	10:07:57	-0.246	0.0101	-0.010	0.773	0.013	106301	0.216	0.0121	0.052	0.598	0.005	539	11	190	0.992
9/20/2022	10:08:57	-0.246	0.0134	-0.024	0.792	0.014	105772	0.215	0.0121	0.051	0.600	0.005	534	11	190	0.992
9/20/2022	10:09:57	-0.254	**0.0062**	-0.017	0.773	**0.013**	106910	0.217	0.0124	0.051	0.609	0.005	539	11	190	0.992
9/20/2022	10:10:57	-0.247	**0.0063**	-0.029	0.763	**0.013**	106987	0.218	0.0122	0.052	0.609	0.005	541	11	190	0.992
9/20/2022	10:11:57	-0.285	0.0118	-0.031	0.759	0.015	107129	0.218	0.0124	0.052	0.612	0.005	540	11	190	0.992
9/20/2022	10:12:57	-0.256	0.0275	-0.027	0.766	0.014	107443	0.216	0.0125	0.052	0.626	0.005	538	11	190	0.992
9/20/2022	10:13:57	-0.194	0.0285	-0.019	0.767	0.026	107496	0.214	0.0126	0.051	0.615	0.005	536	11	190	0.994
9/20/2022	10:14:57	-0.457	0.0565	-0.006	0.949	0.339	98029	0.201	0.0117	0.047	0.771	0.005	503	11	190	1.002
9/20/2022	10:15:57	-0.446	0.1019	0.009	0.971	0.333	97935	0.202	0.0117	0.047	0.690	0.005	507	11	190	1.002
9/20/2022	10:16:57	-0.520	0.0711	0.004	1.002	0.334	97928	0.201	0.0117	0.048	0.684	0.005	499	11	190	1.002

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp (C)	Press (atm)
9/20/2022	10:17:57	-0.467	0.0799	0.020	1.055	0.335	97522	0.201	0.0114	0.047	0.790	0.005	500	11	190	1.002
9/20/2022	10:18:57	-0.431	0.0783	0.010	1.023	0.333	97529	0.201	0.0115	0.046	0.690	0.005	502	11	190	1.002
9/20/2022	10:19:57	-0.511	0.0840	0.001	1.061	0.337	97797	0.199	0.0119	0.047	0.725	0.005	497	11	190	1.002
9/20/2022	10:20:57	-0.512	**0.0709**	0.012	1.031	**0.335**	97355	0.198	0.0117	0.046	0.654	0.005	496	11	190	1.002
9/20/2022	10:21:57	-0.482	**0.0659**	-0.001	1.055	**0.335**	97522	0.197	0.0118	0.047	0.721	0.005	495	11	190	1.002
9/20/2022	10:22:57	-0.528	0.0624	0.005	0.977	0.337	97333	0.200	0.0116	0.047	0.574	0.005	496	11	190	1.002
9/20/2022	10:23:57	-0.497	0.0986	0.010	1.047	0.334	97271	0.199	0.0119	0.045	0.674	0.005	494	12	190	1.002
9/20/2022	10:24:57	-0.422	0.0442	-0.003	0.984	0.236	100354	0.202	0.0120	0.048	0.574	0.005	505	11	190	0.996
9/20/2022	10:25:57	-0.276	0.0143	-0.023	0.884	0.014	107194	0.215	0.0129	0.052	0.646	0.005	534	11	190	0.992
9/20/2022	10:26:57	-0.276	0.0169	-0.021	0.827	0.014	107631	0.212	0.0129	0.052	0.613	0.005	527	11	190	0.992
9/20/2022	10:27:57	-0.293	0.0400	-0.036	0.816	0.015	107365	0.214	0.0129	0.051	0.624	0.005	529	11	190	0.992
9/20/2022	10:28:57	-0.250	0.0126	-0.009	0.819	0.013	107238	0.212	0.0126	0.051	0.647	0.005	531	11	190	0.992
9/20/2022	10:29:57	-0.257	0.0128	-0.013	0.785	0.013	106716	0.212	0.0126	0.051	0.598	0.005	530	11	190	0.992
9/20/2022	10:30:57	-0.263	**0.0249**	-0.027	0.797	**0.014**	106953	0.214	0.0125	0.051	0.624	0.005	529	11	190	0.992
9/20/2022	10:31:57	-0.228	**-0.0053**	-0.020	0.759	**0.013**	106699	0.212	0.0127	0.052	0.593	0.005	528	11	190	0.992
9/20/2022	10:32:57	-0.243	0.0078	-0.025	0.781	0.014	106018	0.213	0.0124	0.051	0.623	0.005	531	11	190	0.992
9/20/2022	10:33:57	-0.272	0.0297	-0.036	0.797	0.015	106068	0.211	0.0128	0.051	0.621	0.005	522	11	190	0.992
9/20/2022	10:34:57	-0.227	0.0080	-0.022	0.777	0.013	105927	0.210	0.0127	0.052	0.593	0.005	525	11	190	0.992
9/20/2022	10:35:57	-0.277	0.0264	-0.034	0.788	0.015	106577	0.212	0.0125	0.051	0.627	0.005	528	11	190	0.993
9/20/2022	10:36:57	-0.276	0.0207	-0.032	0.778	0.015	106751	0.213	0.0127	0.051	0.635	0.005	530	11	190	0.993
9/20/2022	10:37:57	-0.257	0.0093	-0.026	0.780	0.014	106737	0.213	0.0126	0.051	0.619	0.005	530	11	190	0.993
9/20/2022	10:38:58	-0.261	0.0123	-0.032	0.770	0.015	106897	0.213	0.0126	0.052	0.630	0.005	531	11	190	0.993
9/20/2022	10:39:57	-0.279	0.0123	-0.036	0.757	0.014	106949	0.214	0.0126	0.052	0.625	0.005	532	11	190	0.993
9/20/2022	10:40:57	-0.282	0.0144	-0.032	0.766	0.036	106286	0.210	0.0128	0.052	0.622	0.005	524	11	190	0.994
9/20/2022	10:41:57	-0.416	0.0629	-0.024	0.887	0.338	96559	0.199	0.0118	0.048	0.742	0.005	490	11	190	1.003
9/20/2022	10:42:57	-0.499	0.0818	0.003	0.925	0.339	96527	0.196	0.0120	0.046	0.632	0.005	490	11	190	1.003
9/20/2022	10:43:57	-0.438	0.0838	0.009	0.924	0.332	96669	0.197	0.0118	0.046	0.634	0.005	489	11	190	1.003
9/20/2022	10:44:57	-0.490	0.0710	0.010	0.972	0.336	96672	0.195	0.0118	0.047	0.730	0.005	488	11	190	1.003
9/20/2022	10:45:57	-0.416	**0.0732**	0.005	0.950	**0.333**	96916	0.195	0.0119	0.047	0.561	0.005	489	11	190	1.003
9/20/2022	10:46:57	-0.408	**0.0626**	0.020	0.980	**0.332**	96505	0.194	0.0120	0.046	0.637	0.005	486	11	190	1.002
9/20/2022	10:47:57	-0.475	0.0595	0.016	1.012	0.333	96852	0.195	0.0119	0.047	0.716	0.005	487	11	190	1.002
9/20/2022	10:48:57	-0.565	0.0878	0.001	0.989	0.335	97230	0.197	0.0124	0.046	0.638	0.005	483	11	190	1.002
9/20/2022	10:49:57	-0.301	0.0279	-0.019	0.886	0.072	105000	0.208	0.0127	0.051	0.586	0.005	516	11	190	0.992
9/20/2022	10:50:57	-0.240	0.0091	-0.016	0.828	0.014	107006	0.211	0.0128	0.052	0.613	0.005	525	11	190	0.991
9/20/2022	10:51:57	-0.270	0.0263	-0.015	0.796	0.013	106673	0.213	0.0126	0.051	0.584	0.005	529	11	190	0.991
9/20/2022	10:52:57	-0.271	0.0134	-0.022	0.787	0.013	105885	0.211	0.0125	0.051	0.589	0.005	523	11	190	0.992
9/20/2022	10:53:57	-0.265	0.0176	-0.029	0.789	0.014	106291	0.211	0.0125	0.051	0.592	0.005	523	11	190	0.992
9/20/2022	10:54:57	-0.268	0.0065	-0.022	0.778	0.013	104946	0.211	0.0124	0.051	0.595	0.005	524	11	190	0.992
9/20/2022	10:55:57	-0.265	**0.0117**	-0.025	0.765	**0.013**	104586	0.211	0.0123	0.050	0.571	0.005	522	11	190	0.992
9/20/2022	10:56:57	-0.263	**-0.0025**	-0.009	0.780	**0.013**	105572	0.219	0.0116	0.051	0.633	0.005	547	11	190	0.992
9/20/2022	10:57:57	-0.267	0.0098	-0.029	0.779	0.014	106001	0.221	0.0114	0.051	0.622	0.005	550	11	190	0.992
9/20/2022	10:58:57	-0.286	0.0232	-0.028	0.757	0.013	104071	0.220	0.0112	0.050	0.597	0.005	545	11	190	0.992

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp (C)	Press (atm)
9/20/2022	10:59:57	-0.306	0.0145	-0.024	0.790	0.016	102677	0.219	0.0114	0.050	0.636	0.005	540	11	190	0.992
9/20/2022	11:00:57	-0.254	0.0059	-0.015	0.760	0.013	102948	0.217	0.0114	0.050	0.607	0.005	541	11	190	0.991
9/20/2022	11:01:57	-0.297	0.0188	-0.014	0.733	0.014	101615	0.217	0.0112	0.049	0.601	0.005	537	11	190	0.992
9/20/2022	11:02:57	-0.278	0.0207	-0.029	0.816	0.014	100492	0.214	0.0113	0.048	0.757	0.005	526	11	190	0.992
9/20/2022	11:03:57	-0.252	-0.0086	-0.023	0.740	0.013	101698	0.215	0.0114	0.050	0.590	0.005	533	11	190	0.992
9/20/2022	11:04:57	-0.284	0.0178	-0.037	0.811	0.014	100952	0.215	0.0112	0.049	0.733	0.005	530	11	190	0.992
9/20/2022	11:05:57	-0.508	0.0492	-0.034	0.872	0.330	94570	0.205	0.0108	0.047	0.715	0.005	508	11	190	1.001
9/20/2022	11:06:57	-0.518	0.0677	0.001	0.890	0.336	94519	0.202	0.0109	0.046	0.658	0.005	500	11	190	1.002
9/20/2022	11:07:57	-0.430	0.0447	0.010	0.858	0.333	94194	0.199	0.0113	0.045	0.581	0.005	494	11	190	1.002
9/20/2022	11:08:57	-0.437	0.0598	0.011	0.886	0.335	94633	0.199	0.0113	0.045	0.589	0.005	495	11	190	1.002
9/20/2022	11:10:00	-0.479	0.0587	-0.002	0.934	0.336	95369	0.198	0.0112	0.046	0.651	0.005	496	11	190	1.002
9/20/2022	11:10:57	-0.490	0.0477	0.001	0.914	0.337	95267	0.199	0.0110	0.046	0.609	0.005	498	11	190	1.002
9/20/2022	11:11:57	-0.465	**0.0670**	-0.019	0.938	**0.336**	95449	0.198	0.0115	0.047	0.630	0.005	493	11	190	1.002
9/20/2022	11:12:57	-0.506	**0.0703**	-0.004	0.941	**0.335**	95906	0.202	0.0114	0.046	0.641	0.005	498	11	190	1.001
9/20/2022	11:13:57	-0.386	0.0663	0.002	0.963	0.336	95416	0.198	0.0114	0.045	0.740	0.005	491	12	190	1.001
9/20/2022	11:14:57	-0.392	0.0300	-0.004	0.912	0.212	99179	0.204	0.0118	0.049	0.574	0.005	508	11	190	0.996
9/20/2022	11:15:57	-0.282	0.0218	-0.002	0.812	0.013	104773	0.213	0.0121	0.050	0.582	0.005	529	11	190	0.992
9/20/2022	11:16:57	-0.254	0.0049	-0.028	0.802	0.014	103670	0.213	0.0121	0.050	0.586	0.005	526	11	190	0.992
9/20/2022	11:17:57	-0.239	0.0190	-0.022	0.761	0.014	104868	0.213	0.0122	0.050	0.562	0.005	529	11	190	0.992
9/20/2022	11:18:57	-0.236	**0.0111**	-0.032	0.770	**0.014**	105506	0.213	0.0123	0.051	0.578	0.005	529	11	190	0.992
9/20/2022	11:20:00	-0.245	**0.0041**	-0.018	0.772	**0.012**	107284	0.215	0.0123	0.052	0.578	0.005	538	11	190	0.992
9/20/2022	11:20:57	-0.255	0.0058	-0.025	0.778	0.013	106736	0.214	0.0125	0.052	0.611	0.005	533	11	190	0.992
9/20/2022	11:21:57	-0.281	0.0240	-0.019	0.753	0.012	105443	0.212	0.0125	0.050	0.579	0.005	528	11	190	0.992
9/20/2022	11:22:57	-0.299	0.0075	-0.022	0.772	0.013	114067	0.223	0.0132	0.054	0.640	0.006	562	11	190	0.994
9/20/2022	11:23:58	-0.404	0.0530	-0.027	0.849	0.337	95775	0.196	0.0117	0.047	0.722	0.005	487	11	190	1.002
9/20/2022	11:24:57	-0.536	0.0707	-0.011	0.896	0.339	95804	0.198	0.0114	0.046	0.691	0.005	488	11	190	1.001
9/20/2022	11:25:57	-0.497	0.0727	-0.005	0.914	0.338	96180	0.196	0.0117	0.046	0.679	0.005	487	11	190	1.001
9/20/2022	11:26:57	-0.440	**0.0610**	-0.012	0.877	**0.337**	95694	0.194	0.0120	0.048	0.554	0.005	483	11	190	1.001
9/20/2022	11:27:57	-0.486	**0.0698**	-0.010	0.908	**0.337**	95928	0.194	0.0116	0.046	0.611	0.005	486	11	190	1.001
9/20/2022	11:28:57	-0.479	0.0597	0.004	0.944	0.336	96992	0.197	0.0117	0.046	0.712	0.005	493	11	190	1.001
9/20/2022	11:29:57	-0.520	0.0772	-0.011	0.937	0.267	99462	0.201	0.0125	0.047	0.639	0.005	499	11	190	0.996
9/20/2022	11:30:57	-0.275	0.0106	-0.016	0.862	0.014	109053	0.216	0.0129	0.052	0.662	0.005	539	11	190	0.991
9/20/2022	11:31:57	-0.271	0.0043	-0.028	0.825	0.013	108838	0.218	0.0125	0.053	0.593	0.005	545	11	190	0.991
9/20/2022	11:32:57	-0.288	0.0262	-0.012	0.807	0.014	107218	0.219	0.0123	0.050	0.615	0.005	548	11	190	0.991
9/20/2022	11:33:57	-0.273	0.0069	-0.010	0.806	0.014	105485	0.222	0.0116	0.051	0.668	0.005	554	11	190	0.991
9/20/2022	11:34:57	-0.278	0.0181	-0.037	0.790	0.016	106227	0.226	0.0115	0.051	0.683	0.006	561	11	190	0.991
9/20/2022	11:35:58	-0.279	0.0105	-0.016	0.812	0.015	106768	0.225	0.0116	0.051	0.664	0.006	561	11	190	0.991
9/20/2022	11:36:57	-0.326	0.0202	-0.018	0.792	0.014	106898	0.222	0.0118	0.050	0.626	0.005	556	11	190	0.991
9/20/2022	11:37:57	-0.268	0.0067	-0.023	0.802	0.015	106329	0.221	0.0116	0.052	0.707	0.005	553	11	190	0.991
9/20/2022	11:38:58	-0.294	0.0221	-0.037	0.785	0.016	106148	0.222	0.0119	0.051	0.674	0.005	552	11	190	0.991
9/20/2022	11:39:57	-0.268	0.0197	-0.028	0.768	0.014	105540	0.221	0.0115	0.050	0.610	0.005	550	11	190	0.991
9/20/2022	11:40:58	-0.247	0.0115	-0.014	0.769	0.011	105529	0.219	0.0118	0.050	0.618	0.005	548	11	190	0.991

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp (C)	Press (atm)
9/20/2022	11:41:57	-0.307	0.0319	-0.045	0.784	0.016	106238	0.221	0.0119	0.051	0.628	0.005	546	11	190	0.991
9/20/2022	11:42:57	-0.269	0.0132	-0.030	0.767	0.015	105765	0.219	0.0117	0.052	0.644	0.005	545	11	190	0.991
9/20/2022	11:43:58	-0.270	0.0294	-0.033	0.767	0.014	106053	0.221	0.0116	0.051	0.635	0.005	551	11	190	0.991
9/20/2022	11:44:57	-0.267	0.0020	-0.013	0.757	0.014	105727	0.217	0.0118	0.051	0.592	0.005	543	11	190	0.991
9/20/2022	11:45:57	-0.281	**0.0259**	-0.021	0.755	**0.014**	105943	0.216	0.0122	0.051	0.601	0.005	537	11	190	0.991
9/20/2022	11:46:57	-0.266	**-0.0063**	-0.038	0.777	**0.014**	106180	0.217	0.0121	0.052	0.645	0.005	542	11	190	0.991
9/20/2022	11:47:57	-0.347	0.0304	-0.029	0.739	0.117	102027	0.209	0.0121	0.049	0.583	0.005	520	11	190	0.994
9/20/2022	11:48:57	-0.465	0.0888	-0.019	0.834	0.339	95394	0.199	0.0115	0.045	0.619	0.005	493	11	190	1.001
9/20/2022	11:49:57	-0.418	**0.0691**	-0.002	0.844	**0.336**	95041	0.220	0.0115	0.045	0.616	0.005	488	11	190	1.001
9/20/2022	11:50:57	-0.495	**0.0681**	-0.019	0.853	**0.337**	95076	0.196	0.0115	0.046	0.582	0.005	487	11	190	1.001
9/20/2022	11:51:57	-0.399	0.0558	-0.018	0.900	0.337	95388	0.195	0.0117	0.047	0.724	0.005	487	11	190	1.001
9/20/2022	11:52:57	-0.491	0.0600	-0.004	0.900	0.338	95719	0.194	0.0117	0.046	0.650	0.005	484	11	190	1.001
9/20/2022	11:53:57	-0.508	0.0740	0.004	0.886	0.338	96125	0.196	0.0118	0.045	0.621	0.005	490	11	190	1.001
9/20/2022	11:54:57	-0.368	0.0381	-0.014	0.872	0.152	101920	0.207	0.0124	0.049	0.569	0.005	512	11	190	0.994
9/20/2022	11:55:57	-0.277	0.0122	-0.023	0.819	0.014	106490	0.212	0.0128	0.051	0.598	0.005	528	11	190	0.990
9/20/2022	11:56:57	-0.257	0.0081	-0.024	0.786	0.014	104422	0.213	0.0122	0.050	0.590	0.005	530	11	190	0.990
9/20/2022	11:57:57	-0.274	0.0145	-0.023	0.812	0.015	104886	0.223	0.0112	0.050	0.637	0.005	555	11	190	0.990
9/20/2022	11:58:57	-0.324	0.0252	-0.035	0.817	0.016	105610	0.226	0.0114	0.051	0.696	0.006	561	11	190	0.991
9/20/2022	11:59:57	-0.299	0.0134	-0.033	0.807	0.013	106196	0.225	0.0113	0.051	0.695	0.006	562	11	190	0.990
9/20/2022	12:00:57	-0.276	**-0.0054**	-0.031	0.804	**0.016**	103608	0.221	0.0113	0.050	0.645	0.005	547	11	190	0.990
9/20/2022	12:01:57	-0.287	**0.0217**	-0.033	0.794	**0.016**	103367	0.219	0.0113	0.050	0.643	0.005	543	11	190	0.990
9/20/2022	12:02:57	-0.281	0.0253	-0.024	0.782	0.015	104246	0.220	0.0114	0.049	0.629	0.005	548	11	190	0.990
9/20/2022	12:03:57	-0.264	0.0201	-0.029	0.799	0.015	103804	0.218	0.0116	0.050	0.673	0.005	541	11	190	0.990
9/20/2022	12:04:57	-0.269	0.0108	-0.032	0.790	0.015	103757	0.220	0.0114	0.051	0.657	0.005	547	11	190	0.990
9/20/2022	12:05:57	-0.367	0.0377	-0.028	0.860	0.244	97268	0.206	0.0111	0.047	0.737	0.005	511	11	190	0.998
9/20/2022	12:06:57	-0.446	0.0598	-0.017	0.886	0.342	94310	0.198	0.0112	0.046	0.718	0.005	497	11	190	1.001
9/20/2022	12:07:57	-0.439	0.0577	-0.011	0.846	0.342	93858	0.219	0.0111	0.046	0.588	0.005	492	11	190	1.001
9/20/2022	12:08:57	-0.519	0.0662	-0.025	0.909	0.340	94796	0.201	0.0111	0.046	0.712	0.005	496	11	190	1.001
9/20/2022	12:09:57	-0.518	0.0543	-0.006	0.895	0.340	94835	0.199	0.0113	0.046	0.663	0.005	496	11	190	1.001
9/20/2022	12:10:57	-0.470	**0.0676**	-0.001	0.897	**0.340**	96756	0.197	0.0118	0.045	0.654	0.005	495	11	190	1.001
9/20/2022	12:11:57	-0.509	**0.0613**	-0.007	0.893	**0.340**	97219	0.197	0.0118	0.047	0.641	0.005	496	11	190	1.001
9/20/2022	12:12:57	-0.463	0.0581	-0.012	0.891	0.339	96536	0.196	0.0120	0.047	0.651	0.005	490	11	190	1.001
9/20/2022	12:13:57	-0.553	0.0591	-0.013	0.899	0.341	96514	0.197	0.0117	0.046	0.688	0.005	490	11	190	1.001
9/20/2022	12:14:57	-0.505	0.0584	-0.030	0.903	0.342	95704	0.195	0.0122	0.048	0.646	0.005	487	11	190	1.001
9/20/2022	12:15:57	-0.306	0.0343	-0.029	0.834	0.052	99762	0.207	0.0119	0.048	0.566	0.005	508	11	190	0.992
9/20/2022	12:16:57	-0.244	0.0124	-0.017	0.845	0.013	106894	0.216	0.0125	0.051	0.642	0.005	541	11	190	0.991
9/20/2022	12:17:58	-0.274	0.0273	-0.017	0.833	0.014	107358	0.225	0.0116	0.051	0.704	0.006	563	11	190	0.991
9/20/2022	12:18:57	-0.309	0.0392	-0.022	0.846	0.014	108411	0.227	0.0117	0.050	0.698	0.006	568	11	190	0.991
9/20/2022	12:19:57	-0.285	0.0327	-0.025	0.818	0.014	108269	0.227	0.0116	0.051	0.669	0.006	569	11	190	0.991
9/20/2022	12:20:57	-0.292	0.0276	-0.014	0.819	0.013	108162	0.225	0.0117	0.051	0.700	0.006	565	11	190	0.991
9/20/2022	12:21:57	-0.283	0.0221	-0.032	0.799	0.015	107793	0.225	0.0117	0.051	0.705	0.006	564	11	190	0.991
9/20/2022	12:22:57	-0.250	0.0068	-0.021	0.823	0.015	106467	0.223	0.0116	0.051	0.671	0.005	558	11	190	0.991

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp (C)	Press (atm)
9/20/2022	12:23:58	-0.237	0.0106	-0.025	0.818	0.014	106874	0.221	0.0119	0.052	0.715	0.005	555	11	190	0.991
9/20/2022	12:24:57	-0.223	0.0133	-0.021	0.799	0.013	106109	0.222	0.0116	0.051	0.649	0.005	557	11	190	0.991
9/20/2022	12:25:57	-0.297	0.0262	-0.021	0.788	0.015	106983	0.223	0.0118	0.050	0.684	0.006	558	11	190	0.991
9/20/2022	12:26:57	-0.257	0.0023	-0.038	0.777	0.014	105515	0.222	0.0117	0.052	0.647	0.005	553	11	190	0.991
9/20/2022	12:27:57	-0.274	0.0297	-0.028	0.769	0.015	105411	0.222	0.0120	0.050	0.655	0.005	551	11	190	0.991
9/20/2022	12:28:57	-0.260	**0.0085**	-0.030	0.768	**0.015**	103314	0.217	0.0120	0.051	0.618	0.005	536	11	190	0.991
9/20/2022	12:29:57	-0.275	**-0.0013**	-0.038	0.762	**0.015**	104568	0.219	0.0120	0.051	0.642	0.005	542	11	190	0.991
9/20/2022	12:30:57	-0.240	-0.0082	-0.033	0.756	0.013	104845	0.217	0.0123	0.052	0.603	0.005	541	11	190	0.991
9/20/2022	12:31:57	-0.289	0.0246	-0.054	0.766	0.024	105959	0.219	0.0126	0.051	0.618	0.005	540	11	190	0.992
9/20/2022	12:32:58	-0.532	0.0612	-0.040	0.788	0.346	95774	0.203	0.0117	0.047	0.618	0.005	503	11	190	1.001
9/20/2022	12:33:57	-0.567	0.0888	-0.021	0.830	0.346	95703	0.210	0.0110	0.045	0.633	0.005	527	11	190	1.001
9/20/2022	12:34:57	-0.495	0.0471	-0.015	0.859	0.343	95682	0.210	0.0104	0.047	0.654	0.005	528	11	190	1.001
9/20/2022	12:35:59	-0.581	0.0583	-0.019	0.887	0.345	95556	0.211	0.0103	0.047	0.675	0.005	528	11	190	1.001
9/20/2022	12:36:57	-0.564	**0.0726**	-0.033	0.897	**0.345**	95279	0.210	0.0107	0.047	0.672	0.005	528	11	190	1.001
9/20/2022	12:37:58	-0.466	**0.0762**	-0.012	0.902	**0.347**	95828	0.209	0.0106	0.046	0.696	0.005	521	11	190	1.001
9/20/2022	12:38:57	-0.444	0.0482	-0.008	0.906	0.342	95640	0.203	0.0110	0.047	0.664	0.005	514	11	190	1.001
9/20/2022	12:39:57	-0.479	0.0599	-0.020	0.907	0.347	95562	0.210	0.0103	0.047	0.714	0.005	524	11	190	1.001
9/20/2022	12:40:57	-0.528	0.0620	-0.017	0.891	0.345	95441	0.206	0.0108	0.046	0.629	0.005	516	11	190	1.001
9/20/2022	12:41:57	-0.553	0.0412	-0.032	0.906	0.345	95422	0.203	0.0109	0.048	0.688	0.005	511	11	190	1.001
9/20/2022	12:42:57	-0.299	0.0288	0.003	0.843	0.113	99136	0.210	0.0117	0.047	0.595	0.005	524	11	190	0.994
9/20/2022	12:43:57	-0.268	0.0131	-0.027	0.822	0.016	100298	0.215	0.0113	0.048	0.604	0.005	529	11	190	0.991
9/20/2022	12:44:57	-0.200	0.0068	-0.019	0.785	0.014	100995	0.212	0.0115	0.049	0.616	0.005	528	11	190	0.991
9/20/2022	12:45:57	-0.254	0.0248	-0.025	0.883	0.015	98420	0.213	0.0111	0.047	0.793	0.005	524	11	190	0.991
9/20/2022	12:46:57	-0.214	-0.0001	-0.022	0.816	0.013	100644	0.212	0.0114	0.048	0.721	0.005	528	11	190	0.991
9/20/2022	12:47:57	-0.245	0.0089	-0.048	0.774	0.016	103972	0.216	0.0122	0.051	0.627	0.005	536	11	190	0.991
9/20/2022	12:48:57	-0.246	**0.0216**	-0.041	0.841	**0.014**	104134	0.219	0.0117	0.050	0.783	0.005	543	11	190	0.991
9/20/2022	12:50:00	-0.227	**-0.0035**	-0.018	0.760	**0.012**	102660	0.213	0.0119	0.049	0.573	0.005	531	11	190	0.991
9/20/2022	12:50:57	-0.243	0.0197	-0.013	0.781	0.014	102391	0.218	0.0113	0.048	0.614	0.005	545	11	190	0.991
9/20/2022	12:51:57	-0.225	0.0129	-0.024	0.820	0.013	103024	0.213	0.0117	0.049	0.757	0.005	530	11	190	0.991
9/20/2022	12:52:59	-0.268	0.0320	-0.035	0.754	0.084	102968	0.212	0.0119	0.049	0.597	0.005	528	11	190	0.994
9/20/2022	12:53:57	-0.431	0.0764	-0.030	0.824	0.348	95361	0.194	0.0117	0.046	0.651	0.005	489	11	190	1.001
9/20/2022	12:54:57	-0.429	0.0664	-0.026	0.844	0.345	95414	0.197	0.0116	0.046	0.681	0.005	493	11	190	1.001
9/20/2022	12:55:57	-0.493	0.0618	-0.029	0.844	0.345	95094	0.199	0.0114	0.047	0.616	0.005	495	11	190	1.001
9/20/2022	12:56:57	-0.448	0.0745	-0.023	0.821	0.345	95452	0.195	0.0116	0.046	0.585	0.005	491	11	190	1.001
9/20/2022	12:57:57	-0.428	0.0638	-0.011	0.884	0.343	95710	0.198	0.0116	0.046	0.686	0.005	500	11	190	1.001
9/20/2022	12:58:57	-0.458	**0.0656**	-0.044	0.918	**0.346**	95782	0.204	0.0113	0.047	0.750	0.005	508	11	190	1.001
9/20/2022	12:59:57	-0.506	**0.0686**	-0.021	0.923	**0.346**	95756	0.207	0.0109	0.046	0.728	0.005	513	11	190	1.001
9/20/2022	13:00:57	-0.437	0.0571	-0.023	0.883	0.255	99162	0.212	0.0111	0.047	0.642	0.005	528	11	190	0.998
9/20/2022	13:01:58	-0.272	0.0369	-0.020	0.857	0.014	107591	0.225	0.0117	0.050	0.734	0.006	564	11	190	0.991
9/20/2022	13:02:57	-0.243	-0.0113	-0.034	0.850	0.015	107470	0.223	0.0118	0.052	0.731	0.006	559	11	190	0.992
9/20/2022	13:03:57	-0.225	0.0171	-0.026	0.815	0.014	107971	0.222	0.0121	0.052	0.705	0.006	558	11	190	0.991
9/20/2022	13:04:57	-0.236	0.0096	-0.029	0.817	0.013	107988	0.223	0.0116	0.051	0.682	0.006	561	11	190	0.991

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp (C)	Press (atm)
9/20/2022	13:05:57	-0.267	**0.0321**	-0.043	0.816	**0.016**	107738	0.225	0.0120	0.052	0.711	0.006	561	11	190	0.991
9/20/2022	13:06:57	-0.262	**0.0017**	-0.041	0.795	**0.016**	107457	0.224	0.0119	0.052	0.652	0.006	561	11	190	0.991
9/20/2022	13:07:57	-0.250	0.0128	-0.014	0.770	0.013	107825	0.225	0.0117	0.050	0.650	0.006	566	11	190	0.991
9/20/2022	13:08:57	-0.251	0.0002	-0.036	0.808	0.016	107556	0.226	0.0120	0.053	0.726	0.006	565	11	190	0.991
9/20/2022	13:09:58	-0.226	-0.0071	-0.032	0.790	0.014	106796	0.220	0.0122	0.052	0.646	0.005	550	11	190	0.991
9/20/2022	13:10:57	-0.413	0.0492	-0.035	0.866	0.201	100126	0.211	0.0114	0.048	0.825	0.005	525	11	190	0.997
9/20/2022	13:11:57	-0.467	0.0663	-0.018	0.822	0.338	95130	0.201	0.0110	0.046	0.646	0.005	508	11	190	1.001
9/20/2022	13:12:57	-0.391	0.0641	-0.029	0.860	0.339	95140	0.199	0.0111	0.047	0.712	0.005	499	11	190	1.001
9/20/2022	13:13:59	-0.450	0.0828	-0.020	0.842	0.340	95230	0.202	0.0111	0.045	0.628	0.005	502	11	190	1.001
9/20/2022	13:15:00	-0.418	0.0802	-0.027	0.866	0.339	95543	0.202	0.0111	0.046	0.647	0.005	501	11	190	1.001
9/20/2022	13:15:57	-0.600	0.1030	-0.023	0.856	0.336	95483	0.202	0.0119	0.045	0.626	0.005	505	11	190	1.001
9/20/2022	13:16:57	-0.400	0.0647	-0.020	0.883	0.337	95586	0.198	0.0112	0.047	0.720	0.005	500	11	190	1.001
9/20/2022	13:17:57	-0.463	**0.0845**	-0.016	0.866	**0.335**	95469	0.202	0.0112	0.046	0.646	0.005	501	11	190	1.001
9/20/2022	13:18:57	-0.464	**0.0508**	-0.015	0.892	**0.332**	95784	0.199	0.0110	0.046	0.721	0.005	507	11	190	1.001
9/20/2022	13:19:57	-0.481	0.0709	-0.012	0.882	0.331	96066	0.200	0.0115	0.046	0.672	0.005	502	11	190	1.001
9/20/2022	13:20:57	-0.474	0.0460	-0.015	0.909	0.322	96499	0.201	0.0115	0.047	0.702	0.005	503	11	190	0.997
9/20/2022	13:21:57	-0.298	0.0407	-0.034	0.841	0.018	105425	0.217	0.0124	0.050	0.651	0.005	539	11	190	0.991
9/20/2022	13:22:57	-0.263	0.0208	-0.022	0.821	0.015	105151	0.216	0.0121	0.049	0.624	0.005	537	11	190	0.991
9/20/2022	13:23:57	-0.228	-0.0020	-0.059	0.804	0.016	104955	0.215	0.0123	0.052	0.631	0.005	535	11	190	0.991
9/20/2022	13:24:57	-0.231	0.0044	-0.029	0.816	0.014	105112	0.213	0.0123	0.051	0.626	0.005	536	11	190	0.991
9/20/2022	13:25:57	-0.262	0.0242	-0.048	0.784	0.017	105269	0.218	0.0121	0.050	0.633	0.005	542	11	190	0.991
9/20/2022	13:26:57	-0.244	0.0252	-0.027	0.777	0.014	102968	0.214	0.0117	0.049	0.619	0.005	534	11	190	0.991
9/20/2022	13:27:57	-0.238	0.0050	-0.035	0.780	0.015	102535	0.212	0.0119	0.050	0.615	0.005	527	11	190	0.991
9/20/2022	13:28:57	-0.249	0.0258	-0.038	0.753	0.015	102080	0.212	0.0118	0.048	0.594	0.005	527	11	190	0.991
9/20/2022	13:29:57	-0.261	-0.0094	-0.017	0.767	0.015	104933	0.216	0.0121	0.051	0.623	0.005	539	11	190	0.991
9/20/2022	13:30:57	-0.242	0.0039	-0.033	0.825	0.016	100009	0.209	0.0116	0.049	0.744	0.005	518	11	190	0.991
9/20/2022	13:31:57	-0.230	-0.0013	-0.038	0.801	0.017	103525	0.211	0.0121	0.050	0.641	0.005	526	11	190	0.991
9/20/2022	13:32:57	-0.267	0.0070	-0.050	0.773	0.018	106291	0.218	0.0127	0.052	0.650	0.005	542	11	190	0.991
9/20/2022	13:33:57	-0.460	0.0177	0.532	0.826	0.371	96649	0.199	0.0117	0.047	0.663	0.005	500	11	190	1.000
9/20/2022	13:34:57	-0.497	0.0317	0.432	0.833	0.233	98746	0.205	0.0121	0.049	0.581	0.005	507	11	190	1.001
9/20/2022	13:35:57	-0.380	0.0292	0.344	0.905	0.228	97700	0.201	0.0117	0.048	0.711	0.005	496	11	190	1.001
9/20/2022	13:36:57	-0.368	0.0188	0.312	0.919	0.228	97633	0.201	0.0117	0.047	0.751	0.005	504	11	190	1.001
9/20/2022	13:37:59	-0.459	0.0334	0.281	0.910	0.226	97946	0.201	0.0121	0.046	0.652	0.005	499	11	190	1.001
9/20/2022	13:38:57	-0.440	0.0357	0.244	0.884	0.230	98245	0.200	0.0125	0.049	0.579	0.005	495	11	190	1.001
9/20/2022	13:39:58	-0.398	0.0237	0.248	0.937	0.227	98544	0.200	0.0119	0.048	0.753	0.005	501	11	190	1.001
9/20/2022	13:40:57	-0.376	0.0427	0.228	0.936	0.229	98397	0.202	0.0122	0.047	0.771	0.005	498	11	190	1.001
9/20/2022	13:41:57	-0.756	0.0162	0.252	0.852	0.789	85270	0.192	0.0108	0.042	0.577	0.004	443	11	190	1.001
9/20/2022	13:42:57	-1.314	0.0131	0.823	0.748	1.228	76891	0.174	0.0104	0.039	0.562	0.004	387	12	190	1.001
9/20/2022	13:43:57	-1.235	0.0108	1.492	0.782	1.234	76826	0.172	0.0114	0.041	0.588	0.004	378	12	190	1.001
9/20/2022	13:44:58	-1.201	-0.0010	1.881	0.794	1.234	76847	0.169	0.0117	0.042	0.640	0.004	377	12	190	1.001
9/20/2022	13:45:57	-1.289	0.0334	2.166	0.765	1.237	77050	0.168	0.0123	0.041	0.530	0.004	378	12	190	1.001
9/20/2022	13:46:57	-1.324	0.0347	2.335	0.783	1.243	76961	0.171	0.0124	0.042	0.545	0.004	382	12	190	1.001

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp (C)	Press (atm)
9/20/2022	13:47:57	-1.280	0.0349	2.505	0.802	1.245	77409	0.171	0.0125	0.042	0.623	0.004	383	12	190	1.001
9/20/2022	13:48:57	-0.577	0.0265	2.173	0.814	0.517	91647	0.200	0.0133	0.047	0.562	0.005	440	11	190	1.001
9/20/2022	13:49:57	-0.446	0.0236	1.148	0.883	0.224	98605	0.196	0.0131	0.049	0.554	0.005	487	11	190	1.001
9/20/2022	13:50:57	-0.412	0.0343	0.854	0.905	0.220	98963	0.197	0.0127	0.048	0.573	0.005	488	11	190	1.001
9/20/2022	13:51:58	-0.406	0.0076	0.689	0.902	0.217	99259	0.194	0.0128	0.049	0.565	0.005	488	11	190	1.001
9/20/2022	13:52:57	-0.423	0.0337	0.623	0.868	0.216	98677	0.198	0.0130	0.047	0.556	0.005	491	11	190	1.001
9/20/2022	13:53:57	-0.460	0.0286	0.535	0.899	0.217	98904	0.198	0.0128	0.047	0.590	0.005	493	11	190	1.001
9/20/2022	13:54:57	-0.350	0.0099	0.502	0.881	0.213	99242	0.199	0.0124	0.049	0.561	0.005	499	11	190	1.001
9/20/2022	13:56:00	-0.416	0.0216	0.462	0.943	0.211	98576	0.199	0.0125	0.048	0.743	0.005	494	11	190	1.001
9/20/2022	13:56:57	-0.405	0.0255	0.428	0.895	0.215	98685	0.201	0.0126	0.049	0.567	0.005	499	11	190	1.001
9/20/2022	13:57:57	-0.371	0.0158	0.446	0.954	0.243	98020	0.198	0.0121	0.047	0.778	0.005	496	11	190	1.001
9/20/2022	13:58:59	-0.403	0.0212	0.421	0.870	0.247	98035	0.198	0.0121	0.048	0.551	0.005	496	11	190	1.001
9/20/2022	13:59:57	-0.436	0.0244	0.433	0.869	0.245	98139	0.200	0.0122	0.048	0.551	0.005	495	11	190	1.001
9/20/2022	14:00:57	-0.397	0.0175	0.439	0.941	0.245	98302	0.197	0.0121	0.047	0.793	0.005	493	11	190	1.001
9/20/2022	14:01:59	-0.448	0.0074	0.444	0.854	0.245	98200	0.196	0.0125	0.048	0.547	0.005	493	11	190	1.001
9/20/2022	14:02:57	-0.465	0.0259	0.419	0.878	0.247	97977	0.201	0.0121	0.047	0.561	0.005	496	11	190	1.001
9/20/2022	14:03:57	-0.399	0.0186	0.428	0.879	0.246	98511	0.199	0.0121	0.047	0.563	0.005	498	11	190	1.001
9/20/2022	14:04:57	-0.412	0.0250	0.425	0.894	0.245	98213	0.199	0.0119	0.046	0.638	0.005	500	11	190	1.001
9/20/2022	14:05:57	-0.441	0.0318	0.415	0.878	0.246	98155	0.199	0.0122	0.047	0.562	0.005	497	11	190	1.001
9/20/2022	14:06:57	-0.324	0.0293	0.200	0.851	0.107	101092	0.208	0.0122	0.048	0.560	0.005	516	11	190	0.994
9/20/2022	14:07:57	-0.261	0.0303	0.002	0.825	0.015	106750	0.212	0.0128	0.051	0.584	0.005	529	11	190	0.992
9/20/2022	14:08:57	-0.206	-0.0119	0.001	0.785	0.012	105767	0.209	0.0129	0.052	0.576	0.005	526	11	190	0.992
9/20/2022	14:09:58	-0.210	0.0061	-0.019	0.784	0.015	104714	0.210	0.0124	0.051	0.582	0.005	523	11	190	0.992
9/20/2022	14:10:57	-0.232	0.0358	-0.010	0.758	0.014	105351	0.209	0.0128	0.050	0.560	0.005	524	11	190	0.992
9/20/2022	14:11:57	-0.240	0.0094	-0.027	0.780	0.015	105497	0.211	0.0128	0.050	0.611	0.005	524	11	190	0.992
9/20/2022	14:12:57	-0.242	0.0195	-0.016	0.763	0.016	105538	0.208	0.0126	0.050	0.588	0.005	521	11	190	0.992
9/20/2022	14:13:57	-0.277	0.0353	-0.033	0.762	0.018	105721	0.211	0.0128	0.050	0.602	0.005	525	11	190	0.992
9/20/2022	14:14:57	-0.282	0.0117	0.602	0.747	0.087	103089	0.207	0.0128	0.050	0.557	0.005	517	11	190	0.997
9/20/2022	14:15:57	-0.391	0.0351	1.380	0.837	0.227	98778	0.196	0.0132	0.049	0.555	0.005	490	11	190	1.001
9/20/2022	14:16:57	-0.489	0.0359	1.030	0.891	0.224	98527	0.199	0.0124	0.047	0.648	0.005	500	11	190	1.001
9/20/2022	14:17:58	-0.417	0.0230	0.854	0.851	0.226	98058	0.199	0.0124	0.048	0.549	0.005	491	11	190	1.001
9/20/2022	14:18:57	-0.392	0.0264	0.768	0.963	0.222	98375	0.199	0.0122	0.047	0.786	0.005	497	11	190	1.001
9/20/2022	14:19:57	-0.367	0.0265	0.700	0.854	0.220	98547	0.196	0.0126	0.048	0.539	0.005	490	11	190	1.001
9/20/2022	14:20:57	-0.403	0.0060	0.622	0.883	0.223	98701	0.197	0.0124	0.049	0.577	0.005	495	11	190	1.001
9/20/2022	14:21:57	-0.372	0.0162	0.598	0.882	0.223	98608	0.198	0.0129	0.049	0.549	0.005	492	11	190	1.001
9/20/2022	14:22:57	-0.394	0.0170	0.576	0.871	0.220	98716	0.200	0.0123	0.048	0.560	0.005	497	11	190	1.001
9/20/2022	14:23:57	-0.378	0.0153	0.454	0.883	0.175	100518	0.202	0.0126	0.049	0.576	0.005	499	11	190	0.996
9/20/2022	14:24:57	-0.222	0.0037	0.051	0.840	0.015	105548	0.209	0.0127	0.051	0.611	0.005	523	11	190	0.991
9/20/2022	14:25:57	-0.257	0.0232	-0.002	0.815	0.016	105705	0.210	0.0129	0.050	0.600	0.005	522	11	190	0.991
9/20/2022	14:26:57	-0.234	-0.0092	-0.009	0.782	0.015	103636	0.205	0.0129	0.050	0.565	0.005	509	11	190	0.991
9/20/2022	14:27:57	-0.229	0.0129	-0.016	0.793	0.016	104784	0.208	0.0127	0.050	0.584	0.005	517	11	190	0.991
9/20/2022	14:28:57	-0.229	0.0015	0.006	0.764	0.014	104225	0.207	0.0126	0.049	0.563	0.005	517	11	190	0.991

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp (C)	Press (atm)
9/20/2022	14:29:57	-0.292	0.0299	-0.025	0.787	0.017	106477	0.215	0.0126	0.050	0.630	0.005	534	11	190	0.991
9/20/2022	14:30:57	-0.240	0.0166	0.000	0.780	0.014	107516	0.213	0.0126	0.051	0.616	0.005	535	11	190	0.991
9/20/2022	14:31:57	-0.240	0.0105	-0.003	0.762	0.015	105595	0.207	0.0129	0.050	0.579	0.005	516	11	190	0.991
9/20/2022	14:32:57	-0.207	0.0273	-0.007	0.766	0.015	104771	0.203	0.0131	0.050	0.582	0.005	508	11	190	0.991
9/20/2022	14:33:57	-0.300	0.0182	0.816	0.788	0.131	101407	0.196	0.0132	0.051	0.586	0.005	494	11	190	0.997
9/20/2022	14:34:57	-0.407	0.0148	1.189	0.820	0.221	98817	0.194	0.0128	0.049	0.543	0.005	491	11	190	1.001
9/20/2022	14:35:57	-0.365	0.0381	0.922	0.942	0.218	98015	0.194	0.0132	0.047	0.774	0.005	484	11	190	1.001
9/20/2022	14:36:57	-0.365	0.0276	0.763	0.866	0.221	98086	0.196	0.0129	0.049	0.560	0.005	483	11	190	1.001
9/20/2022	14:37:57	-0.407	0.0281	0.707	0.853	0.218	97940	0.196	0.0124	0.048	0.562	0.005	489	11	190	1.001
9/20/2022	14:39:00	-0.357	0.0116	0.647	0.855	0.215	98268	0.197	0.0127	0.047	0.555	0.005	486	11	190	1.001
9/20/2022	14:39:57	-0.356	0.0090	0.604	0.885	0.215	98472	0.197	0.0122	0.047	0.650	0.005	494	11	190	1.001
9/20/2022	14:40:57	-0.305	0.0124	0.210	0.846	0.068	104379	0.204	0.0133	0.050	0.576	0.005	507	11	190	0.992
9/20/2022	14:41:57	-0.292	0.0254	0.014	0.785	0.016	107120	0.211	0.0129	0.050	0.628	0.005	528	11	190	0.991
9/20/2022	14:42:57	-0.235	0.0066	-0.012	0.794	0.016	105877	0.207	0.0132	0.052	0.593	0.005	516	11	190	0.991
9/20/2022	14:43:57	-0.260	0.0281	-0.008	0.766	0.016	106325	0.211	0.0129	0.050	0.576	0.005	523	11	190	0.991
9/20/2022	14:44:57	-0.258	0.0127	-0.015	0.743	0.016	105560	0.212	0.0127	0.050	0.567	0.005	527	11	190	0.991
9/20/2022	14:45:57	-0.234	0.0048	-0.024	0.753	0.016	105232	0.210	0.0128	0.051	0.598	0.005	524	11	190	0.991
9/20/2022	14:46:57	-0.249	0.0197	-0.013	0.758	0.015	105879	0.210	0.0127	0.050	0.601	0.005	525	11	190	0.991
9/20/2022	14:47:58	-0.424	0.0139	1.066	0.817	0.333	95642	0.194	0.0124	0.047	0.633	0.005	480	11	190	0.998
9/20/2022	14:48:57	-0.386	0.0499	0.995	0.915	0.228	97948	0.201	0.0123	0.048	0.773	0.005	495	11	190	1.001
9/20/2022	14:49:57	-0.445	0.0345	0.821	0.899	0.229	97806	0.197	0.0126	0.047	0.677	0.005	492	11	190	1.001
9/20/2022	14:50:57	-0.389	0.0108	0.701	0.857	0.228	98009	0.200	0.0127	0.050	0.575	0.005	496	11	190	1.001
9/20/2022	14:51:57	-0.457	0.0214	0.668	0.921	0.226	97896	0.199	0.0121	0.047	0.750	0.005	495	11	190	1.001
9/20/2022	14:52:57	-0.387	-0.0040	0.630	0.889	0.221	97852	0.196	0.0124	0.048	0.665	0.005	494	11	190	1.001
9/20/2022	14:53:57	-0.374	0.0518	0.578	0.842	0.226	97799	0.198	0.0122	0.048	0.555	0.005	492	11	190	1.001
9/20/2022	14:55:00	-0.288	0.0177	0.189	0.853	0.065	102831	0.206	0.0127	0.051	0.605	0.005	512	11	190	0.994
9/20/2022	14:55:57	-0.233	0.0129	0.026	0.810	0.014	106187	0.212	0.0125	0.050	0.614	0.005	531	11	190	0.991
9/20/2022	14:56:57	-0.263	-0.0005	0.035	0.771	0.023	104936	0.207	0.0129	0.049	0.581	0.005	518	11	190	0.991
9/20/2022	14:58:00	-0.335	0.0139	0.035	0.758	0.112	102589	0.206	0.0123	0.049	0.569	0.005	515	11	190	0.991
9/20/2022	14:58:57	-0.278	0.0328	0.004	0.788	0.015	104810	0.211	0.0126	0.049	0.614	0.005	525	11	190	0.991
9/20/2022	14:59:58	-0.200	0.0002	-0.020	0.765	0.015	104931	0.215	0.0121	0.051	0.615	0.005	538	11	190	0.991
9/20/2022	15:00:57	-0.304	0.0410	-0.027	0.766	0.019	105165	0.212	0.0134	0.051	0.620	0.005	523	11	190	0.991
9/20/2022	15:01:57	-0.244	0.0168	-0.007	0.766	0.016	104751	0.212	0.0123	0.050	0.612	0.005	529	11	190	0.991
9/20/2022	15:02:57	-0.270	0.0333	-0.013	0.760	0.016	104767	0.214	0.0121	0.049	0.578	0.005	534	11	190	0.991
9/20/2022	15:03:58	-0.268	0.0100	-0.026	0.757	0.017	104832	0.212	0.0123	0.050	0.605	0.005	527	11	190	0.991
9/20/2022	15:04:58	-0.235	-0.0013	-0.008	0.741	0.021	104649	0.212	0.0124	0.051	0.593	0.005	531	11	190	0.992
9/20/2022	15:05:58	-0.486	0.0376	1.471	0.904	0.301	96394	0.199	0.0126	0.047	0.803	0.005	495	11	190	1.001
9/20/2022	15:06:57	-0.394	0.0462	1.067	0.896	0.232	98214	0.201	0.0126	0.047	0.718	0.005	499	11	190	1.001
9/20/2022	15:07:57	-0.355	0.0257	0.905	0.895	0.228	98802	0.202	0.0120	0.049	0.684	0.005	511	11	190	1.001
9/20/2022	15:08:57	-0.406	0.0327	0.809	0.839	0.227	98869	0.201	0.0121	0.048	0.567	0.005	501	11	190	1.001
9/20/2022	15:09:57	-0.355	0.0222	0.776	0.897	0.226	98520	0.203	0.0119	0.048	0.692	0.005	512	11	190	1.001
9/20/2022	15:10:57	-0.409	0.0227	0.735	0.897	0.224	98512	0.207	0.0115	0.047	0.702	0.005	521	11	190	1.001

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp (C)	Press (atm)
9/20/2022	15:11:57	-0.330	0.0144	0.721	0.841	0.223	98165	0.201	0.0124	0.048	0.577	0.005	503	11	190	1.001
9/20/2022	15:13:00	-0.291	0.0090	0.678	0.853	0.223	98254	0.200	0.0122	0.048	0.568	0.005	500	11	190	1.001
9/20/2022	15:13:57	-0.253	0.0152	0.243	0.835	0.066	101484	0.211	0.0117	0.049	0.603	0.005	527	11	190	0.993
9/20/2022	15:14:57	-0.262	0.0099	0.029	0.790	0.016	103494	0.212	0.0123	0.050	0.588	0.005	525	11	190	0.991
9/20/2022	15:15:57	-0.243	0.0074	0.008	0.786	0.016	106549	0.213	0.0126	0.051	0.627	0.005	533	11	190	0.991
9/20/2022	15:16:57	-0.256	0.0020	-0.015	0.778	0.015	106310	0.216	0.0124	0.052	0.617	0.005	539	11	190	0.991
9/20/2022	15:17:57	-0.282	0.0153	-0.009	0.801	0.015	105519	0.216	0.0123	0.050	0.610	0.005	538	11	190	0.991
9/20/2022	15:18:57	-0.264	0.0272	-0.016	0.770	0.016	105649	0.217	0.0125	0.050	0.627	0.005	539	11	190	0.991
9/20/2022	15:19:59	-0.352	0.0466	0.265	0.741	0.160	101494	0.208	0.0122	0.048	0.572	0.005	518	11	190	0.994
9/20/2022	15:20:57	-0.413	0.0422	1.139	0.827	0.238	98206	0.204	0.0123	0.047	0.584	0.005	507	11	190	1.001
9/20/2022	15:21:57	-0.397	0.0238	0.910	0.835	0.233	98044	0.203	0.0121	0.048	0.569	0.005	503	11	190	1.001
9/20/2022	15:22:57	-0.347	0.0125	0.816	0.853	0.230	97843	0.203	0.0121	0.048	0.573	0.005	506	11	190	1.001
9/20/2022	15:23:57	-0.349	0.0227	0.781	0.906	0.229	97961	0.198	0.0121	0.047	0.696	0.005	503	11	190	1.001
9/20/2022	15:24:57	-0.361	0.0251	0.727	0.839	0.230	98132	0.201	0.0123	0.047	0.567	0.005	499	11	190	1.001
9/20/2022	15:25:57	-0.398	0.0469	0.691	0.865	0.232	99081	0.202	0.0127	0.048	0.584	0.005	506	11	190	1.001
9/20/2022	15:26:57	-0.360	0.0078	0.693	0.850	0.226	98534	0.199	0.0123	0.048	0.572	0.005	501	11	190	1.001
9/20/2022	15:27:57	-0.385	0.0271	0.673	0.857	0.226	98196	0.202	0.0122	0.048	0.568	0.005	501	11	190	1.001
9/20/2022	15:28:57	-0.271	0.0128	0.308	0.837	0.091	102550	0.209	0.0124	0.050	0.599	0.005	519	11	190	0.995
9/20/2022	15:29:57	-0.251	0.0280	0.011	0.773	0.017	105190	0.215	0.0123	0.050	0.589	0.005	535	11	190	0.992
9/20/2022	15:30:58	-0.242	0.0344	0.003	0.777	0.017	104468	0.211	0.0126	0.050	0.589	0.005	525	11	190	0.992
9/20/2022	15:31:57	-0.238	0.0166	-0.009	0.756	0.017	104503	0.212	0.0124	0.049	0.564	0.005	525	11	190	0.991
9/20/2022	15:32:57	-0.223	0.0121	-0.006	0.776	0.016	104879	0.212	0.0124	0.050	0.604	0.005	526	11	190	0.991
9/20/2022	15:33:57	-0.266	0.0278	-0.034	0.789	0.017	105077	0.213	0.0126	0.051	0.611	0.005	528	11	190	0.991
9/20/2022	15:34:57	-0.217	0.0040	-0.024	0.756	0.015	105243	0.211	0.0127	0.052	0.607	0.005	526	11	190	0.991
9/20/2022	15:35:57	-0.296	0.0314	0.193	0.771	0.037	104302	0.214	0.0124	0.049	0.605	0.005	528	11	190	0.993
9/20/2022	15:36:57	-0.320	0.0308	1.935	0.811	0.224	98090	0.200	0.0135	0.049	0.558	0.005	496	11	190	1.001
9/20/2022	15:37:57	-0.384	0.0368	1.359	0.826	0.219	98789	0.204	0.0126	0.049	0.577	0.005	506	11	190	1.001
9/20/2022	15:38:57	-0.344	0.0178	1.159	0.881	0.215	98260	0.199	0.0127	0.047	0.675	0.005	499	11	190	1.001
9/20/2022	15:39:57	-0.334	0.0351	1.000	0.892	0.218	98466	0.204	0.0122	0.048	0.647	0.005	506	11	190	1.001
9/20/2022	15:41:00	-0.348	0.0138	0.928	0.838	0.213	98377	0.200	0.0123	0.048	0.547	0.005	500	11	190	1.001
9/20/2022	15:41:59	-0.371	0.0309	0.825	0.859	0.217	98925	0.200	0.0128	0.049	0.574	0.005	496	11	190	1.001
9/20/2022	15:42:57	-0.385	0.0094	0.795	0.842	0.217	99242	0.201	0.0123	0.048	0.572	0.005	501	11	190	1.001
9/20/2022	15:43:57	-0.335	0.0067	0.749	0.832	0.213	98565	0.198	0.0124	0.049	0.560	0.005	495	11	190	1.001
9/20/2022	15:44:57	-0.390	0.0169	0.714	0.920	0.215	98384	0.201	0.0121	0.048	0.730	0.005	504	11	190	1.001
9/20/2022	15:45:57	-0.378	0.0263	0.689	0.846	0.213	98964	0.202	0.0123	0.047	0.559	0.005	503	11	190	1.001
9/20/2022	15:46:57	-0.391	0.0337	0.667	0.850	0.212	98787	0.202	0.0123	0.047	0.569	0.005	502	11	190	1.001
9/20/2022	15:47:57	-0.299	0.0066	0.321	0.851	0.084	102821	0.207	0.0125	0.049	0.583	0.005	518	11	190	0.992
9/20/2022	15:48:57	-0.262	0.0202	0.022	0.790	0.016	105050	0.211	0.0126	0.050	0.588	0.005	524	11	190	0.991
9/20/2022	15:49:57	-0.253	0.0109	0.011	0.787	0.016	105332	0.211	0.0130	0.050	0.592	0.005	522	11	190	0.990
9/20/2022	15:50:57	-0.277	0.0335	-0.011	0.797	0.016	105765	0.212	0.0130	0.050	0.627	0.005	524	11	190	0.990
9/20/2022	15:51:59	-0.222	0.0112	-0.007	0.803	0.015	105759	0.211	0.0128	0.051	0.617	0.005	525	11	190	0.990
9/20/2022	15:52:57	-0.277	0.0308	-0.025	0.794	0.018	105566	0.214	0.0132	0.051	0.654	0.005	529	11	190	0.990

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp (C)	Press (atm)
9/20/2022	15:53:57	-0.333	0.0177	0.262	0.765	0.158	101765	0.205	0.0128	0.050	0.570	0.005	510	11	190	0.996
9/20/2022	15:54:57	-0.462	0.0302	0.562	0.870	0.238	97589	0.199	0.0123	0.046	0.683	0.005	496	11	190	1.001
9/20/2022	15:55:57	-0.387	0.0239	0.536	0.798	0.244	97585	0.198	0.0123	0.047	0.556	0.005	493	11	190	1.001
9/20/2022	15:56:57	-0.407	0.0187	0.516	0.850	0.246	97908	0.198	0.0121	0.047	0.651	0.005	496	11	190	1.001
9/20/2022	15:57:57	-0.335	0.0367	0.514	0.860	0.235	98119	0.200	0.0122	0.047	0.660	0.005	501	11	190	1.001
9/20/2022	15:58:57	-0.441	0.0387	0.497	0.856	0.242	97948	0.202	0.0129	0.048	0.588	0.005	495	11	190	1.001
9/20/2022	15:59:57	-0.343	0.0421	0.239	0.826	0.091	102482	0.206	0.0130	0.048	0.584	0.005	510	11	190	0.994
9/20/2022	16:00:57	-0.238	-0.0051	0.007	0.777	0.016	105189	0.210	0.0129	0.051	0.579	0.005	521	11	190	0.991
9/20/2022	16:01:57	-0.207	0.0038	-0.010	0.781	0.015	105548	0.209	0.0134	0.053	0.601	0.005	520	11	190	0.991
9/20/2022	16:02:57	-0.215	0.0245	-0.009	0.769	0.016	105477	0.213	0.0123	0.050	0.593	0.005	532	11	190	0.991
9/20/2022	16:03:57	-0.257	0.0106	-0.005	0.775	0.015	104498	0.209	0.0127	0.050	0.596	0.005	520	11	190	0.991
9/20/2022	16:04:57	-0.272	0.0213	-0.002	0.766	0.017	104821	0.210	0.0127	0.048	0.613	0.005	524	11	190	0.991
9/20/2022	16:05:58	-0.230	0.0132	-0.019	0.758	0.018	104759	0.210	0.0127	0.050	0.597	0.005	521	11	190	0.991
9/20/2022	16:07:00	-0.371	0.0345	0.565	0.767	0.167	100731	0.202	0.0128	0.048	0.575	0.005	503	11	190	0.998
9/20/2022	16:07:57	-0.374	0.0290	0.730	0.794	0.245	98606	0.197	0.0128	0.048	0.568	0.005	490	11	190	1.001
9/20/2022	16:08:57	-0.352	0.0167	0.642	0.819	0.243	98257	0.194	0.0125	0.048	0.556	0.005	486	11	190	1.001
9/20/2022	16:09:57	-0.386	0.0207	0.609	0.890	0.236	98271	0.199	0.0124	0.047	0.715	0.005	496	11	190	1.001
9/20/2022	16:10:57	-0.393	0.0193	0.599	0.814	0.232	98549	0.194	0.0126	0.048	0.557	0.005	489	11	190	1.001
9/20/2022	16:11:57	-0.377	0.0324	0.579	0.886	0.235	98338	0.197	0.0125	0.047	0.717	0.005	491	11	190	1.001
9/20/2022	16:12:57	-0.321	0.0207	0.303	0.820	0.111	101687	0.202	0.0127	0.048	0.551	0.005	504	11	190	0.993
9/20/2022	16:13:57	-0.230	0.0334	0.022	0.809	0.017	105144	0.209	0.0127	0.050	0.594	0.005	519	11	190	0.991
9/20/2022	16:14:57	-0.238	0.0121	0.009	0.787	0.016	104941	0.205	0.0131	0.050	0.599	0.005	511	11	190	0.991
9/20/2022	16:15:57	-0.253	0.0301	-0.001	0.802	0.017	105131	0.207	0.0132	0.050	0.629	0.005	514	11	190	0.991
9/20/2022	16:16:57	-0.234	0.0348	-0.013	0.780	0.017	105816	0.209	0.0130	0.050	0.605	0.005	519	11	190	0.991
9/20/2022	16:17:59	-0.218	0.0111	-0.030	0.771	0.017	105564	0.208	0.0130	0.051	0.602	0.005	517	11	190	0.991
9/20/2022	16:18:57	-0.218	0.0030	0.009	0.755	0.014	105561	0.204	0.0134	0.051	0.580	0.005	513	11	190	0.992
9/20/2022	16:19:57	-0.391	0.0598	2.369	0.883	0.277	97815	0.199	0.0144	0.049	0.746	0.005	484	11	190	1.001
9/20/2022	16:20:57	-0.366	0.0270	1.451	0.805	0.234	98453	0.197	0.0129	0.049	0.559	0.005	492	11	190	1.001
9/20/2022	16:21:57	-0.393	0.0205	1.144	0.896	0.235	98361	0.196	0.0129	0.048	0.729	0.005	488	11	190	1.001
9/20/2022	16:23:00	-0.406	0.0210	0.970	0.825	0.235	98373	0.197	0.0128	0.049	0.559	0.005	491	11	190	1.001
9/20/2022	16:23:57	-0.392	0.0237	0.887	0.839	0.233	98386	0.200	0.0124	0.048	0.564	0.005	495	11	190	1.001
9/20/2022	16:24:59	-0.376	0.0261	0.824	0.823	0.232	98119	0.197	0.0126	0.048	0.553	0.005	489	11	190	1.001
9/20/2022	16:25:57	-0.369	0.0233	0.797	0.835	0.232	98815	0.198	0.0127	0.048	0.559	0.005	493	11	190	1.001
9/20/2022	16:26:57	-0.426	0.0455	0.748	0.842	0.233	98560	0.196	0.0127	0.048	0.547	0.005	491	11	190	1.001
9/20/2022	16:27:57	-0.413	0.0128	0.720	0.913	0.231	98559	0.197	0.0124	0.048	0.766	0.005	492	11	190	1.001
9/20/2022	16:28:57	-0.390	0.0269	0.687	0.830	0.232	98438	0.197	0.0124	0.048	0.561	0.005	495	11	190	1.001
9/20/2022	16:29:57	-0.396	0.0097	0.677	0.850	0.230	98165	0.196	0.0125	0.049	0.560	0.005	489	11	190	1.001
9/20/2022	16:30:57	-0.412	0.0152	0.670	0.821	0.231	98589	0.196	0.0127	0.048	0.543	0.005	487	11	190	1.001
9/20/2022	16:31:59	-0.415	0.0199	0.640	0.855	0.232	98622	0.195	0.0128	0.049	0.571	0.005	486	11	190	1.001
9/20/2022	16:32:57	-0.435	0.0277	0.638	0.824	0.230	99067	0.197	0.0129	0.048	0.548	0.005	489	11	190	1.001
9/20/2022	16:33:57	-0.442	0.0311	0.623	0.849	0.231	99382	0.198	0.0130	0.048	0.573	0.005	490	11	190	1.001
9/20/2022	16:34:57	-0.378	0.0367	0.614	0.843	0.232	99226	0.196	0.0133	0.048	0.559	0.005	484	11	190	1.001

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp (C)	Press (atm)
9/20/2022	16:35:57	-0.365	0.0231	0.591	0.847	0.230	99501	0.199	0.0130	0.050	0.573	0.005	495	11	190	1.001
9/20/2022	16:36:57	-0.390	0.0223	0.616	0.846	0.228	99213	0.197	0.0128	0.048	0.569	0.005	488	11	190	1.001
9/20/2022	16:37:57	-0.383	0.0213	0.606	0.844	0.220	99394	0.197	0.0127	0.048	0.579	0.005	493	11	190	0.999
9/20/2022	16:38:57	-0.260	0.0268	0.100	0.817	0.019	105836	0.207	0.0134	0.050	0.617	0.005	515	11	190	0.990
9/20/2022	16:39:57	-0.262	0.0056	0.039	0.810	0.014	105959	0.209	0.0131	0.050	0.618	0.005	521	11	190	0.990
9/20/2022	16:40:57	-0.300	0.0178	0.004	0.801	0.016	106825	0.210	0.0133	0.050	0.615	0.005	520	11	190	0.989
9/20/2022	16:41:57	-0.269	0.0367	-0.025	0.819	0.017	106996	0.212	0.0134	0.051	0.645	0.005	525	11	190	0.989
9/20/2022	16:42:58	-0.288	0.0294	0.001	0.781	0.015	106425	0.209	0.0135	0.050	0.596	0.005	519	11	190	0.989
9/20/2022	16:44:00	-0.279	0.0147	-0.009	0.788	0.017	106230	0.210	0.0132	0.050	0.602	0.005	521	11	190	0.989
9/20/2022	16:44:57	-0.378	0.0096	1.069	0.786	0.243	99640	0.198	0.0130	0.049	0.554	0.005	498	11	190	0.997
9/20/2022	16:45:57	-0.381	0.0115	1.040	0.805	0.236	98705	0.196	0.0129	0.049	0.572	0.005	489	11	190	1.001
9/20/2022	16:46:57	-0.428	0.0213	0.873	0.813	0.236	98581	0.199	0.0127	0.049	0.573	0.005	491	11	190	1.001
9/20/2022	16:47:57	-0.382	0.0236	0.809	0.856	0.233	95444	0.198	0.0119	0.046	0.631	0.005	495	11	190	1.001
9/20/2022	16:48:57	-0.355	0.0034	0.778	0.823	0.230	92426	0.192	0.0122	0.045	0.583	0.005	481	11	190	1.001
9/20/2022	16:49:57	-0.390	0.0218	0.695	0.887	0.234	89701	0.211	0.0110	0.044	0.723	0.005	479	11	190	1.001
9/20/2022	16:50:57	-0.289	0.0188	0.664	0.819	0.235	90081	0.208	0.0114	0.046	0.583	0.005	480	11	190	1.001
9/20/2022	16:51:58	-0.330	0.0058	0.684	0.887	0.233	95246	0.198	0.0112	0.046	0.657	0.005	509	11	190	1.001
9/20/2022	16:52:57	-0.392	0.0192	0.691	0.927	0.232	99061	0.201	0.0113	0.048	0.735	0.005	526	11	190	1.001
9/20/2022	16:53:57	-0.366	0.0137	0.627	0.859	0.235	87907	0.205	0.0109	0.043	0.635	0.005	477	11	190	1.001
9/20/2022	16:54:57	-0.387	0.0304	0.640	0.842	0.233	85800	0.201	0.0111	0.041	0.604	0.004	463	11	190	1.001
9/20/2022	16:55:57	-0.432	0.0772	0.703	0.761	0.228	101909	0.197	0.0117	0.048	0.601	0.005	510	11	190	1.001
9/20/2022	16:56:57	-0.440	0.0228	0.653	0.848	0.233	100253	0.199	0.0114	0.047	0.617	0.005	536	11	190	1.001
9/20/2022	16:57:57	-0.332	0.0269	0.639	0.799	0.231	97439	0.196	0.0110	0.046	0.664	0.005	525	11	190	1.001
9/20/2022	16:58:57	-0.364	0.0674	0.611	0.838	0.234	93483	0.187	0.0112	0.044	0.611	0.005	504	11	190	1.001
9/20/2022	16:59:57	-0.332	0.1275	0.622	0.837	0.231	89659	0.207	0.0104	0.042	0.668	0.004	501	11	190	1.001
9/20/2022	17:00:57	-0.174	0.2528	0.600	0.816	0.231	85789	0.196	0.0108	0.042	0.641	0.004	471	11	190	1.001
9/20/2022	17:01:59	0.043	0.6186	0.601	0.741	0.232	81583	0.183	0.0122	0.042	0.623	0.004	431	11	190	1.001
9/20/2022	17:02:57	0.571	1.3564	0.630	0.695	0.229	77147	0.178	0.0162	0.051	0.555	0.004	418	11	190	1.001
9/20/2022	17:03:57	1.400	2.7232	0.678	0.649	0.229	72468	0.165	0.0250	0.065	0.476	0.004	393	12	190	1.001
9/20/2022	17:04:57	51.286	1.3456	0.304	0.158	0.101	18530	0.162	0.0118	0.029	0.160	0.007	148	13	190	1.002
9/20/2022	17:05:57	96.428	-0.0115	0.061	0.005	0.010	363	0.076	0.0022	0.005	0.011	0.003	56	15	190	1.002
9/20/2022	17:06:57	97.700	0.0017	0.052	-0.053	0.004	280	0.091	0.0021	0.005	0.013	0.006	6	15	190	1.002
9/20/2022	17:07:57	98.058	0.0025	0.031	-0.037	0.006	339	0.089	0.0021	0.005	0.017	0.006	4	15	190	1.002
9/20/2022	17:08:57	98.135	-0.0030	0.030	-0.031	0.006	321	0.090	0.0023	0.005	0.017	0.006	4	15	190	1.001
9/20/2022	17:09:57	98.018	0.0092	0.023	-0.028	0.007	308	0.089	0.0022	0.006	0.017	0.006	4	15	190	1.001
System CTS		**98.018**														
9/20/2022	17:10:57	50.846	0.0057	0.018	-0.038	0.024	312	0.122	0.0021	0.005	0.016	0.006	3	16	190	1.001
9/20/2022	17:11:57	0.109	0.0061	0.022	-0.032	0.000	266	0.038	0.0020	0.005	0.015	0.000	1	16	190	1.001
9/20/2022	17:12:57	0.017	0.0020	0.015	-0.020	0.001	242	0.039	0.0021	0.005	0.014	0.000	1	16	190	1.001
9/20/2022	17:13:57	0.033	-0.0050	0.014	-0.019	-0.001	230	0.041	0.0021	0.005	0.014	0.000	1	16	190	1.001
System Zero		**0.033**														
9/20/2022	17:14:57	-0.047	-0.0166	0.019	-0.030	0.000	193	0.041	0.0021	0.006	0.013	0.000	1	16	190	1.001

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp (C)	Press (atm)
9/20/2022	17:15:57	17.241	-0.0046	0.020	-0.020	0.014	187	0.084	0.0021	0.006	0.012	0.004	1	16	190	0.998
9/20/2022	17:16:57	96.133	-0.0039	0.000	-0.016	0.008	150	0.078	0.0021	0.005	0.010	0.003	4	15	190	0.992
9/20/2022	17:17:57	98.269	-0.0084	0.007	-0.017	0.003	9	0.091	0.0021	0.005	0.011	0.006	3	15	190	0.992
9/20/2022	17:18:57	98.036	-0.0173	0.006	-0.025	0.003	11	0.089	0.0021	0.005	0.013	0.006	3	15	190	0.992
9/20/2022	17:19:57	98.068	-0.0117	-0.009	-0.032	0.001	-11	0.086	0.0020	0.005	0.014	0.006	3	15	190	0.992
Direct CTS		**98.068**														
9/20/2022	17:20:57	17.356	0.0047	-0.009	-0.036	0.013	197	0.073	0.0021	0.005	0.021	0.003	1	16	190	0.993
9/20/2022	17:21:57	0.000	-0.0049	0.001	-0.031	0.001	207	0.037	0.0022	0.005	0.017	0.000	1	16	190	0.992
9/20/2022	17:22:58	-0.020	0.0000	-0.007	-0.032	0.000	224	0.037	0.0022	0.005	0.018	0.000	1	16	190	0.992
9/20/2022	17:23:57	-0.033	-0.0038	-0.003	-0.027	0.001	192	0.037	0.0021	0.005	0.017	0.000	1	16	190	0.992
Direct Zero		**-0.033**														
9/20/2022	17:27:06	-0.008	-0.0043	0.003	0.003	0.000	-1	0.006	0.0019	0.004	0.004	0.000	0	16	190	0.992

Client: Georgia Power
Facility: Plant McInstosh
Source: Unit 2
Condition: Natural Gas Max

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp (C)	Press (atm)
9/21/2022	7:43:39	0.389	-0.0042	0.004	0.002	0.0063	4	0.0325	0.003	0.008	0.006	0.0003	0	16	190	0.992
9/21/2022	7:44:39	0.391	-0.0184	0.003	0.004	0.0063	-22	0.0321	0.003	0.008	0.006	0.0003	0	16	190	0.992
9/21/2022	7:45:39	0.374	-0.0247	0.011	0.007	0.0063	-47	0.0315	0.003	0.008	0.007	0.0003	0	16	190	0.992
Direct Zero		**0.374**														
9/21/2022	7:46:39	47.248	-0.0095	0.009	0.007	0.0328	2	0.1469	0.003	0.009	0.008	0.0072	2	16	190	0.992
9/21/2022	7:47:39	97.422	-0.0180	0.020	-0.002	0.0148	-184	0.0669	0.003	0.009	0.010	0.0025	3	15	190	0.992
9/21/2022	7:48:39	98.909	-0.0184	0.008	-0.001	0.0066	-130	0.0760	0.003	0.008	0.010	0.0063	3	15	190	0.992
9/21/2022	7:49:39	98.124	-0.0163	0.007	-0.018	0.0008	-59	0.0745	0.003	0.007	0.012	0.0057	3	15	190	0.992
9/21/2022	7:50:39	99.003	-0.0184	0.002	-0.044	0.0073	43	0.0771	0.003	0.008	0.021	0.0062	3	15	190	0.992
Direct CTS		**99.003**														
9/21/2022	7:51:41	24.255	0.1810	0.068	-0.769	-0.0983	13126	0.7527	0.011	0.029	0.444	0.0107	36	13	190	0.997
9/21/2022	7:52:39	0.111	-0.0237	0.137	0.127	0.0001	23514	0.1152	0.005	0.030	0.236	0.0016	120	13	190	1.001
9/21/2022	7:53:39	0.813	-0.0199	0.139	0.144	0.0046	23597	0.0792	0.005	0.028	0.212	0.0014	119	13	190	1.001
9/21/2022	7:54:39	1.235	-0.0302	0.110	0.141	0.0046	23621	0.0720	0.006	0.029	0.209	0.0014	119	13	190	1.001
9/21/2022	7:55:39	2.978	-0.0238	0.080	0.072	0.0072	16120	0.0543	0.004	0.022	0.145	0.0011	82	14	190	0.996
9/21/2022	7:56:39	0.419	-0.0088	0.013	-0.010	0.0062	415	0.0330	0.004	0.009	0.029	0.0003	11	15	190	0.992
9/21/2022	7:57:39	0.413	-0.0115	0.009	-0.072	0.0060	365	0.0333	0.003	0.008	0.031	0.0003	2	15	190	0.992
9/21/2022	7:58:39	0.404	0.0009	0.015	-0.062	0.0062	330	0.0332	0.003	0.008	0.028	0.0003	1	15	190	0.992
9/21/2022	7:59:39	0.399	-0.0202	0.011	-0.052	0.0057	310	0.0330	0.003	0.008	0.029	0.0003	1	15	190	0.992
9/21/2022	8:00:39	0.402	-0.0130	0.001	-0.044	0.0058	305	0.0327	0.003	0.008	0.028	0.0003	1	16	190	0.992
9/21/2022	8:01:39	0.402	-0.0250	0.015	-0.048	0.0054	242	0.0327	0.003	0.008	0.023	0.0003	1	16	190	0.992
9/21/2022	8:02:39	0.399	-0.0125	0.016	-0.031	0.0056	184	0.0326	0.003	0.008	0.018	0.0003	1	16	190	0.992
9/21/2022	8:03:39	0.390	-0.0193	0.006	-0.019	0.0070	132	0.0318	0.003	0.008	0.014	0.0003	1	16	190	0.994
9/21/2022	8:04:39	0.396	-0.0257	0.011	-0.022	0.0063	80	0.0334	0.003	0.008	0.013	0.0003	1	16	190	0.994
9/21/2022	8:05:39	0.401	-0.0033	0.008	-0.019	0.0059	73	0.0323	0.003	0.008	0.010	0.0003	0	16	190	0.993
9/21/2022	8:06:39	0.384	-0.0179	0.010	-0.009	0.0064	43	0.0322	0.003	0.008	0.008	0.0003	0	16	190	0.992
9/21/2022	8:07:39	0.379	-0.0125	0.016	-0.008	0.0064	9	0.0319	0.003	0.008	0.007	0.0003	0	16	190	0.992
9/21/2022	8:08:40	0.381	-0.0042	0.007	-0.005	0.0063	1	0.0320	0.003	0.008	0.006	0.0003	0	16	190	0.992
9/21/2022	8:09:39	0.388	-0.0212	0.006	0.000	0.0065	19	0.0317	0.003	0.008	0.006	0.0003	0	16	190	0.992
9/21/2022	8:10:39	0.390	-0.0082	0.010	-0.003	0.0064	-1	0.0311	0.003	0.008	0.007	0.0003	1	16	190	0.992
9/21/2022	8:11:39	0.400	-0.0119	0.010	-0.001	0.0062	8	0.0321	0.003	0.008	0.006	0.0003	0	16	190	0.992
9/21/2022	8:14:39	-0.006	-0.0108	-0.002	0.007	0.0006	-7	0.0052	0.002	0.004	0.004	0.0002	0	16	190	0.992
9/21/2022	8:15:39	0.003	0.0033	-0.005	-0.003	-0.0003	-28	0.0058	0.002	0.004	0.005	0.0002	0	16	190	0.992
9/21/2022	8:16:39	0.026	-0.0015	0.004	-0.002	-0.0004	-21	0.0050	0.002	0.004	0.004	0.0002	0	16	190	0.992
9/21/2022	8:17:39	51.984	-0.0032	-0.001	-0.004	0.0264	-28	0.1412	0.002	0.004	0.005	0.0073	2	16	190	0.992
9/21/2022	8:18:39	96.753	-0.0076	-0.001	-0.008	0.0089	-135	0.0580	0.002	0.005	0.007	0.0025	3	15	190	0.992
9/21/2022	8:19:39	98.346	0.0031	-0.004	-0.011	0.0014	-53	0.0728	0.002	0.005	0.009	0.0063	3	15	190	0.992

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp (C)	Press (atm)
9/21/2022	8:20:39	98.263	0.0026	-0.007	-0.025	0.0034	-18	0.0741	0.002	0.005	0.012	0.0063	3	15	190	0.992
9/21/2022	8:21:42	98.142	-0.0073	-0.007	-0.024	0.0044	-4	0.0754	0.002	0.005	0.015	0.0064	3	15	190	0.992
9/21/2022	8:22:39	98.323	-0.0089	-0.003	-0.035	0.0009	20	0.0725	0.002	0.005	0.017	0.0062	3	15	190	0.992
9/21/2022	8:23:40	82.874	0.0485	0.077	-0.936	-0.0217	16945	0.5443	0.004	0.025	0.540	0.0117	43	14	190	0.998
9/21/2022	8:24:39	94.956	-0.0134	0.088	0.093	0.0134	16917	0.0847	0.004	0.020	0.166	0.0030	101	14	190	1.001
9/21/2022	8:25:39	96.985	-0.0136	0.075	0.074	0.0005	13208	0.0912	0.004	0.017	0.139	0.0068	86	14	190	1.001
9/21/2022	8:26:41	96.805	-0.0046	0.061	0.038	0.0039	11340	0.0923	0.004	0.016	0.133	0.0069	74	14	190	1.001
9/21/2022	8:27:39	97.400	-0.0037	0.047	0.038	0.0002	9119	0.0882	0.003	0.013	0.110	0.0069	65	14	190	1.001
9/21/2022	8:28:39	97.901	-0.0058	0.024	0.016	0.0004	4577	0.0830	0.003	0.009	0.065	0.0067	54	15	190	1.001
9/21/2022	8:29:39	98.224	-0.0059	0.020	-0.194	0.0066	3051	0.0850	0.003	0.007	0.041	0.0069	25	15	190	1.001
System CTS		**98.224**														
9/21/2022	8:30:39	97.925	-0.0112	0.025	-0.161	0.0023	2271	0.0840	0.002	0.006	0.032	0.0068	24	15	190	1.001
9/21/2022	8:31:42	33.009	-0.0039	0.012	-0.101	0.0267	1285	0.1026	0.002	0.005	0.021	0.0054	12	15	190	1.001
9/21/2022	8:32:39	0.173	-0.0097	0.009	-0.076	0.0008	615	0.0172	0.002	0.005	0.019	0.0004	3	16	190	1.001
9/21/2022	8:33:39	0.150	-0.0101	0.010	-0.080	-0.0011	532	0.0181	0.002	0.005	0.022	0.0005	2	16	190	1.001
9/21/2022	8:34:39	0.075	-0.0119	0.010	-0.069	0.0012	499	0.0170	0.002	0.005	0.020	0.0004	2	16	190	1.001
9/21/2022	8:35:39	0.049	-0.0022	0.009	-0.069	0.0010	456	0.0168	0.002	0.005	0.018	0.0004	2	16	190	1.001
9/21/2022	8:36:39	0.041	-0.0079	0.014	-0.070	0.0003	535	0.0178	0.002	0.004	0.018	0.0004	2	16	190	1.001
System Zero		**0.041**														
9/21/2022	8:37:39	0.243	0.0105	0.089	-0.808	0.0257	20420	0.3844	0.005	0.036	0.380	0.0097	63	13	190	1.001
9/21/2022	8:38:39	-0.101	0.0017	0.144	0.366	-0.0006	66106	0.2198	0.011	0.068	0.593	0.0049	373	12	190	1.001
9/21/2022	8:39:39	-0.183	0.0042	0.173	0.706	0.0080	81478	0.1902	0.012	0.089	0.608	0.0043	410	12	190	1.001
9/21/2022	8:40:39	-0.212	-0.0031	0.196	0.807	0.0115	97547	0.1949	0.013	0.105	0.614	0.0049	491	11	190	1.001
9/21/2022	8:41:39	-0.242	0.0040	0.274	0.999	0.0086	138596	0.2465	0.017	0.143	0.688	0.0065	671	11	190	1.001
9/21/2022	8:42:39	-0.172	-0.0002	0.329	0.998	0.0103	133692	0.2411	0.016	0.140	0.678	0.0063	653	11	190	1.001
9/21/2022	8:43:39	-0.179	0.0060	0.367	0.971	0.0109	133003	0.2354	0.017	0.139	0.676	0.0062	640	11	190	1.001
9/21/2022	8:44:39	-0.189	-0.0010	0.410	1.010	0.0098	131380	0.2335	0.016	0.138	0.666	0.0061	636	11	190	1.001
9/21/2022	8:45:39	-0.229	0.0292	0.403	0.978	0.0135	129314	0.2336	0.017	0.136	0.646	0.0060	625	11	190	1.001
9/21/2022	8:46:39	-0.220	-0.0015	0.449	0.990	0.0118	125600	0.2303	0.016	0.133	0.637	0.0059	613	11	190	1.001
9/21/2022	8:47:39	-0.196	-0.0158	0.458	0.987	0.0107	127147	0.2317	0.016	0.134	0.644	0.0059	620	11	190	1.001
9/21/2022	8:48:39	-0.223	0.0179	0.519	1.022	0.0119	135932	0.2396	0.017	0.142	0.716	0.0063	652	11	190	1.001
9/21/2022	8:49:39	-0.225	0.0067	0.516	0.992	0.0116	127753	0.2282	0.017	0.135	0.660	0.0059	617	11	190	1.001
9/21/2022	8:50:39	-0.214	0.0187	0.551	0.972	0.0143	130989	0.2337	0.017	0.137	0.639	0.0060	630	11	190	1.001
9/21/2022	8:51:39	-0.252	0.0166	0.611	0.997	0.0113	135382	0.2370	0.017	0.140	0.665	0.0062	645	11	190	1.001
9/21/2022	8:52:39	-0.228	0.0157	0.539	0.993	0.0124	132292	0.2344	0.017	0.139	0.659	0.0062	635	11	190	1.001
9/21/2022	8:53:39	-0.206	0.0043	0.562	0.993	0.0119	126986	0.2302	0.016	0.134	0.659	0.0059	621	11	190	1.001
9/21/2022	8:54:39	-0.219	0.0028	0.649	0.977	0.0108	128061	0.2266	0.017	0.134	0.635	0.0060	614	11	190	1.001
9/21/2022	8:55:39	-0.247	0.0172	0.546	0.999	0.0101	138480	0.2414	0.017	0.143	0.689	0.0064	656	11	190	1.001
Start Run 1																
9/21/2022	8:56:41	-0.237	-0.0035	0.500	0.971	0.0096	134521	0.2356	0.017	0.140	0.648	0.0062	642	11	190	1.001
9/21/2022	8:57:39	-0.224	0.0112	0.488	0.976	0.0116	133584	0.2389	0.017	0.139	0.651	0.0062	647	11	190	1.001

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp (C)	Press (atm)
9/21/2022	8:58:39	-0.211	0.0232	0.521	0.942	0.0120	126972	0.2322	0.017	0.133	0.622	0.0059	619	11	190	1.001
9/21/2022	8:59:39	-0.165	-0.0030	0.443	0.980	0.0115	123786	0.2312	0.016	0.131	0.660	0.0058	610	11	190	1.001
9/21/2022	9:00:39	-0.208	0.0166	0.433	0.941	0.0132	124224	0.2337	0.016	0.132	0.618	0.0059	612	11	190	1.001
9/21/2022	9:01:39	-0.180	-0.0003	0.467	0.928	0.0119	118179	0.2219	0.015	0.125	0.693	0.0055	583	11	190	1.001
9/21/2022	9:02:39	-0.174	-0.0028	0.445	0.955	0.0132	121761	0.2249	0.016	0.129	0.837	0.0057	596	11	190	1.001
9/21/2022	9:03:39	-0.187	0.0032	0.437	0.946	0.0120	125825	0.2313	0.016	0.133	0.612	0.0059	610	11	190	1.001
9/21/2022	9:04:41	-0.249	-0.0132	0.432	0.931	0.0105	122928	0.2274	0.016	0.130	0.761	0.0058	601	11	190	1.001
9/21/2022	9:05:39	-0.221	0.0047	0.408	0.908	0.0124	118687	0.2251	0.015	0.126	0.741	0.0056	592	11	190	1.001
9/21/2022	9:06:39	-0.246	0.0118	0.384	0.903	0.0144	111987	0.2147	0.015	0.120	0.638	0.0053	561	11	190	1.001
9/21/2022	9:07:39	-0.203	-0.0168	0.388	0.934	0.0138	117754	0.2228	0.015	0.126	0.743	0.0056	585	11	190	1.001
9/21/2022	9:08:41	-0.245	0.0071	0.444	1.000	0.0090	136841	0.2420	0.017	0.145	0.712	0.0064	657	11	190	1.001
9/21/2022	9:09:39	-0.216	0.0120	0.475	0.939	0.0108	120339	0.2251	0.016	0.127	0.836	0.0056	595	11	190	1.001
9/21/2022	9:10:39	-0.183	0.0115	0.450	0.930	0.0143	121409	0.2292	0.016	0.129	0.801	0.0057	602	11	190	1.001
9/21/2022	9:11:39	-0.209	0.0084	0.495	0.964	0.0119	132640	0.2406	0.017	0.140	0.655	0.0063	651	11	190	1.001
9/21/2022	9:12:39	-0.240	0.0038	0.459	0.918	0.0120	124862	0.2344	0.016	0.133	0.830	0.0060	619	11	190	1.001
9/21/2022	9:13:39	-0.286	-0.0008	0.423	0.955	0.0095	133867	0.2450	0.016	0.142	0.670	0.0064	664	11	190	1.001
9/21/2022	9:14:39	-0.245	0.0010	0.447	0.926	0.0086	130646	0.2400	0.017	0.138	0.635	0.0063	648	11	190	1.001
9/21/2022	9:15:40	-0.258	0.0049	0.405	0.931	0.0127	131238	0.2425	0.016	0.139	0.649	0.0063	652	11	190	1.001
9/21/2022	9:16:39	-0.248	0.0048	0.386	0.910	0.0119	130456	0.2420	0.016	0.139	0.644	0.0063	649	11	190	1.001
9/21/2022	9:17:39	-0.254	0.0023	0.375	0.919	0.0099	132313	0.2430	0.017	0.141	0.859	0.0064	651	11	190	1.001
9/21/2022	9:18:39	-0.239	0.0074	0.343	0.916	0.0129	126707	0.2368	0.016	0.135	0.631	0.0061	633	11	190	1.001
9/21/2022	9:19:39	-0.195	0.0090	0.345	0.919	0.0108	127264	0.2349	0.016	0.134	0.866	0.0061	632	11	190	1.001
9/21/2022	9:20:39	-0.209	0.0110	0.325	0.894	0.0112	128476	0.2346	0.017	0.136	0.623	0.0061	630	11	190	1.001
9/21/2022	9:21:40	-0.237	-0.0172	0.350	0.921	0.0105	130616	0.2358	0.017	0.138	0.637	0.0061	635	11	190	1.001
9/21/2022	9:22:39	-0.207	0.0017	0.310	0.930	0.0112	136145	0.2408	0.017	0.144	0.666	0.0063	651	11	190	1.001
9/21/2022	9:23:39	-0.209	0.0015	0.315	0.903	0.0121	128804	0.2323	0.016	0.136	0.630	0.0061	625	11	190	1.001
9/21/2022	9:24:39	-0.145	-0.0002	0.286	0.894	0.0119	123045	0.2255	0.016	0.130	0.719	0.0058	597	11	190	1.001
9/21/2022	9:25:39	-0.198	-0.0087	0.306	0.913	0.0102	131069	0.2330	0.017	0.138	0.631	0.0061	629	11	190	1.001
9/21/2022	9:26:39	-0.200	-0.0054	0.278	0.944	0.0093	136561	0.2392	0.017	0.144	0.695	0.0063	644	11	190	1.001
9/21/2022	9:27:39	-0.187	-0.0104	0.281	0.870	0.0083	122747	0.2233	0.016	0.129	0.670	0.0057	592	11	190	1.001
9/21/2022	9:28:40	-0.188	-0.0029	0.251	0.906	0.0130	122015	0.2256	0.016	0.130	0.768	0.0057	596	11	190	1.001
9/21/2022	9:29:39	-0.255	0.0032	0.292	0.922	0.0097	136811	0.2450	0.017	0.143	0.663	0.0064	667	11	190	1.001
9/21/2022	9:30:39	-0.229	-0.0044	0.265	0.902	0.0125	125999	0.2368	0.015	0.133	0.644	0.0062	639	11	190	1.001
9/21/2022	9:31:39	-0.223	0.0045	0.249	0.892	0.0136	119359	0.2323	0.015	0.127	0.761	0.0059	615	11	190	1.001
9/21/2022	9:32:41	-0.258	0.0024	0.265	0.939	0.0132	127265	0.2373	0.016	0.135	0.664	0.0062	642	11	190	1.001
9/21/2022	9:33:39	-0.207	-0.0055	0.262	0.912	0.0125	125537	0.2410	0.015	0.134	0.646	0.0061	638	11	190	1.001
9/21/2022	9:34:39	-0.217	0.0146	0.240	0.896	0.0138	118811	0.2319	0.015	0.126	0.853	0.0058	610	11	190	1.001
9/21/2022	9:35:39	-0.229	0.0049	0.247	0.911	0.0118	127688	0.2344	0.016	0.135	0.861	0.0061	637	11	190	1.001
9/21/2022	9:36:39	-0.185	-0.0131	0.224	0.924	0.0111	122709	0.2333	0.015	0.132	0.840	0.0059	614	11	190	1.001
9/21/2022	9:37:39	-0.217	-0.0069	0.248	0.949	0.0114	130463	0.2400	0.016	0.138	0.683	0.0063	647	11	190	1.001
9/21/2022	9:38:39	-0.190	-0.0017	0.247	0.909	0.0117	121586	0.2332	0.015	0.129	0.898	0.0058	613	11	190	1.001

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp (C)	Press (atm)
9/21/2022	9:39:39	-0.182	-0.0091	0.240	0.932	0.0118	128175	0.2359	0.016	0.136	0.669	0.0061	638	11	190	1.001
9/21/2022	9:40:41	-0.239	0.0122	0.229	0.913	0.0148	119985	0.2297	0.015	0.128	0.636	0.0058	605	11	190	1.001
9/21/2022	9:41:39	-0.180	-0.0095	0.249	0.932	0.0100	127477	0.2322	0.016	0.136	0.881	0.0060	628	11	190	1.001
9/21/2022	9:42:42	-0.245	0.0093	0.262	0.939	0.0116	130661	0.2390	0.016	0.137	0.663	0.0063	645	11	190	1.001
9/21/2022	9:43:39	-0.215	-0.0097	0.230	0.940	0.0134	131272	0.2384	0.016	0.139	0.679	0.0062	643	11	190	1.001
9/21/2022	9:44:39	-0.218	-0.0023	0.252	0.907	0.0115	125562	0.2339	0.016	0.133	0.633	0.0060	622	11	190	1.001
9/21/2022	9:45:39	-0.254	0.0099	0.266	0.918	0.0111	128556	0.2338	0.016	0.136	0.899	0.0061	630	11	190	1.001
9/21/2022	9:46:39	-0.203	-0.0188	0.260	0.906	0.0096	124993	0.2317	0.016	0.132	0.845	0.0059	618	11	190	1.001
9/21/2022	9:47:40	-0.268	0.0024	0.263	0.973	0.0073	149048	0.2585	0.018	0.154	0.766	0.0070	711	11	190	1.001
9/21/2022	9:48:40	-0.192	-0.0028	0.276	0.940	0.0050	146184	0.2521	0.018	0.151	0.734	0.0068	696	11	190	1.001
9/21/2022	9:49:39	-0.193	-0.0021	0.266	0.938	0.0095	140187	0.2452	0.017	0.145	0.696	0.0066	671	11	190	1.001
9/21/2022	9:50:39	-0.290	-0.0086	0.230	0.977	0.0112	140292	0.2468	0.017	0.147	0.734	0.0065	673	11	190	1.001
9/21/2022	9:51:39	-0.229	-0.0036	0.236	0.973	0.0119	137709	0.2441	0.017	0.144	0.726	0.0064	660	11	190	1.001
9/21/2022	9:52:39	-0.230	0.0013	0.256	0.915	0.0103	138049	0.2427	0.017	0.144	0.683	0.0065	664	11	190	1.001
9/21/2022	9:53:39	-0.258	0.0174	0.256	0.988	0.0100	136199	0.2395	0.017	0.142	0.738	0.0064	649	11	190	1.001
9/21/2022	9:54:40	-0.218	-0.0198	0.217	0.939	0.0102	131807	0.2348	0.017	0.139	0.680	0.0062	636	11	190	1.001
9/21/2022	9:55:39	-0.249	0.0031	0.215	0.912	0.0113	136745	0.2386	0.018	0.142	0.675	0.0063	647	11	190	1.001
9/21/2022	9:56:39	-0.244	-0.0047	0.234	0.893	0.0092	136456	0.2384	0.017	0.142	0.680	0.0063	647	11	190	1.001
Run Averages		**-0.220**	**0.0006**	**0.329**	**0.930**	**0.0113**	**128752**	**0.2355**	**0.016**	**0.136**	**0.714**	**0.0061**	**631**			
9/21/2022	9:57:39	-0.261	0.0127	0.228	0.962	0.0090	142987	0.2466	0.018	0.147	0.712	0.0066	673	11	190	1.001
9/21/2022	9:58:39	-0.348	0.0222	0.202	0.961	0.0129	143903	0.2476	0.018	0.148	0.731	0.0066	676	11	190	1.001
9/21/2022	9:59:40	-0.205	0.0084	0.207	0.933	0.0096	136089	0.2354	0.018	0.142	0.676	0.0062	642	11	190	1.001
9/21/2022	10:00:39	-0.213	-0.0084	0.197	0.943	0.0109	136264	0.2384	0.018	0.142	0.695	0.0063	648	11	190	1.001
9/21/2022	10:01:39	-0.188	-0.0129	0.186	0.945	0.0096	137123	0.2391	0.017	0.144	0.713	0.0062	653	11	190	1.001
9/21/2022	10:02:39	-0.267	-0.0040	0.189	0.942	0.0109	137795	0.2477	0.017	0.144	0.709	0.0065	676	11	190	1.001
9/21/2022	10:03:39	-0.190	0.0013	0.185	0.940	0.0105	132011	0.2441	0.016	0.138	0.705	0.0064	667	11	190	1.001
9/21/2022	10:04:39	-0.202	0.0068	0.186	0.911	0.0120	129488	0.2408	0.016	0.136	0.681	0.0063	655	11	190	1.001
9/21/2022	10:05:39	-0.248	-0.0063	0.182	0.911	0.0101	129238	0.2407	0.015	0.135	0.670	0.0063	657	11	190	1.001
Start Run 2																
9/21/2022	10:06:39	-0.196	0.0068	0.182	0.916	0.0126	128316	0.2378	0.016	0.135	0.676	0.0062	648	11	190	1.001
9/21/2022	10:07:42	-0.251	0.0018	0.167	0.911	0.0124	127880	0.2387	0.015	0.135	0.670	0.0062	650	11	190	1.001
9/21/2022	10:08:40	-0.280	0.0162	0.185	0.904	0.0112	126516	0.2359	0.016	0.132	0.655	0.0062	641	11	190	1.001
9/21/2022	10:09:39	-0.197	-0.0117	0.180	0.900	0.0092	134605	0.2440	0.016	0.141	0.697	0.0065	670	11	190	1.001
9/21/2022	10:10:39	-0.239	0.0044	0.190	0.887	0.0096	134175	0.2446	0.016	0.140	0.675	0.0065	667	11	190	1.001
9/21/2022	10:11:39	-0.258	0.0007	0.164	0.957	0.0110	132919	0.2418	0.016	0.140	0.718	0.0063	662	11	190	1.001
9/21/2022	10:12:39	-0.217	-0.0132	0.207	0.892	0.0077	133253	0.2424	0.017	0.139	0.661	0.0064	659	11	190	1.001
9/21/2022	10:13:39	-0.249	0.0044	0.176	0.929	0.0114	136375	0.2456	0.017	0.142	0.708	0.0065	669	11	190	1.001
9/21/2022	10:14:39	-0.230	0.0178	0.168	0.899	0.0113	133288	0.2404	0.017	0.139	0.666	0.0063	652	11	190	1.001
9/21/2022	10:15:39	-0.237	0.0017	0.164	0.906	0.0104	135036	0.2426	0.017	0.140	0.676	0.0064	659	11	190	1.001
9/21/2022	10:16:39	-0.187	-0.0146	0.176	0.907	0.0080	134900	0.2408	0.017	0.141	0.674	0.0064	658	11	190	1.001
9/21/2022	10:17:39	-0.218	-0.0036	0.163	0.902	0.0105	136733	0.2443	0.017	0.143	0.680	0.0064	663	11	190	1.001

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp (C)	Press (atm)
9/21/2022	10:18:39	-0.280	-0.0005	0.179	0.887	0.0099	137189	0.2451	0.017	0.143	0.677	0.0065	668	11	190	1.001
9/21/2022	10:19:39	-0.228	-0.0105	0.159	0.907	0.0091	134233	0.2394	0.017	0.140	0.670	0.0063	650	11	190	1.001
9/21/2022	10:20:42	-0.263	0.0208	0.144	0.902	0.0118	135973	0.2421	0.017	0.142	0.671	0.0064	657	11	190	1.001
9/21/2022	10:21:39	-0.306	0.0199	0.129	0.901	0.0125	133145	0.2376	0.017	0.139	0.657	0.0062	641	11	190	1.001
9/21/2022	10:22:39	-0.222	0.0159	0.166	0.888	0.0087	133897	0.2374	0.017	0.140	0.657	0.0063	646	11	190	1.001
9/21/2022	10:23:39	-0.265	-0.0038	0.152	0.930	0.0114	135230	0.2391	0.017	0.141	0.695	0.0064	651	11	190	1.001
9/21/2022	10:24:39	-0.266	0.0129	0.158	0.906	0.0118	131091	0.2369	0.017	0.137	0.662	0.0062	641	11	190	1.001
9/21/2022	10:25:39	-0.251	0.0015	0.138	0.961	0.0128	136063	0.2493	0.016	0.143	0.776	0.0065	679	11	190	1.001
9/21/2022	10:26:39	-0.231	0.0058	0.157	0.935	0.0110	132383	0.2458	0.016	0.138	0.709	0.0065	672	11	190	1.001
9/21/2022	10:27:39	-0.241	0.0126	0.125	0.936	0.0123	130545	0.2440	0.016	0.138	0.698	0.0063	662	11	190	1.001
9/21/2022	10:28:39	-0.244	0.0190	0.143	0.939	0.0120	138544	0.2509	0.017	0.144	0.733	0.0067	686	11	190	1.001
9/21/2022	10:29:39	-0.212	0.0119	0.140	0.914	0.0133	133479	0.2454	0.016	0.140	0.694	0.0064	665	11	190	1.001
9/21/2022	10:30:39	-0.256	0.0193	0.154	0.899	0.0088	133883	0.2426	0.017	0.140	0.678	0.0064	661	11	190	1.002
9/21/2022	10:31:41	-0.227	-0.0104	0.130	0.974	0.0109	135380	0.2435	0.017	0.143	0.778	0.0064	662	11	190	1.001
9/21/2022	10:32:39	-0.194	0.0011	0.162	0.865	0.0085	132970	0.2408	0.016	0.139	0.655	0.0063	658	11	190	1.001
9/21/2022	10:33:39	-0.200	-0.0080	0.141	0.931	0.0101	131801	0.2371	0.016	0.139	0.730	0.0063	645	11	190	1.001
9/21/2022	10:34:39	-0.198	-0.0272	0.130	0.895	0.0094	130595	0.2372	0.016	0.138	0.677	0.0062	642	11	190	1.001
9/21/2022	10:35:39	-0.238	0.0025	0.126	0.945	0.0102	133891	0.2399	0.017	0.141	0.705	0.0063	650	11	190	1.001
9/21/2022	10:36:39	-0.237	-0.0017	0.136	0.876	0.0123	129127	0.2339	0.016	0.136	0.638	0.0061	631	11	190	1.001
9/21/2022	10:37:39	-0.208	-0.0034	0.150	0.880	0.0094	128906	0.2303	0.017	0.135	0.761	0.0060	624	11	190	1.001
9/21/2022	10:38:40	-0.217	-0.0121	0.121	0.874	0.0088	131155	0.2333	0.017	0.138	0.675	0.0062	629	11	190	1.001
9/21/2022	10:39:39	-0.252	0.0106	0.133	0.862	0.0122	124865	0.2319	0.016	0.131	0.626	0.0060	613	11	190	1.001
9/21/2022	10:40:39	-0.242	0.0182	0.108	0.870	0.0145	125364	0.2320	0.017	0.133	0.818	0.0059	607	11	190	1.001
9/21/2022	10:41:39	-0.247	-0.0003	0.139	0.908	0.0102	130866	0.2359	0.017	0.138	0.660	0.0062	636	11	190	1.001
9/21/2022	10:42:39	-0.281	0.0136	0.143	0.869	0.0118	130913	0.2394	0.016	0.137	0.662	0.0063	648	11	190	1.001
9/21/2022	10:43:39	-0.280	-0.0110	0.125	0.928	0.0121	138760	0.2560	0.016	0.146	0.734	0.0067	697	11	190	1.001
9/21/2022	10:44:39	-0.209	-0.0295	0.151	0.953	0.0086	132350	0.2451	0.016	0.140	0.757	0.0065	667	11	190	1.001
9/21/2022	10:45:39	-0.221	-0.0052	0.136	0.916	0.0089	136296	0.2492	0.016	0.144	0.751	0.0066	679	11	190	1.001
9/21/2022	10:46:39	-0.248	0.0012	0.147	0.922	0.0106	133551	0.2452	0.016	0.140	0.743	0.0065	665	11	190	1.001
9/21/2022	10:47:39	-0.229	0.0018	0.133	0.977	0.0123	132554	0.2425	0.016	0.139	0.754	0.0064	660	11	190	1.001
9/21/2022	10:48:39	-0.215	0.0081	0.148	0.918	0.0094	129801	0.2372	0.016	0.136	0.689	0.0062	644	11	190	1.001
9/21/2022	10:49:39	-0.270	0.0032	0.129	0.933	0.0135	129979	0.2397	0.016	0.137	0.693	0.0062	649	11	190	1.001
9/21/2022	10:50:39	-0.222	0.0134	0.123	0.897	0.0114	128113	0.2356	0.016	0.134	0.658	0.0062	637	11	190	1.002
9/21/2022	10:51:39	-0.261	-0.0011	0.141	0.904	0.0126	129227	0.2364	0.016	0.135	0.668	0.0062	638	11	190	1.001
9/21/2022	10:52:39	-0.217	-0.0058	0.126	0.933	0.0105	131340	0.2369	0.017	0.138	0.702	0.0063	644	11	190	1.001
9/21/2022	10:53:39	-0.266	0.0163	0.124	0.964	0.0135	135537	0.2432	0.017	0.141	0.765	0.0064	655	11	190	1.001
9/21/2022	10:54:39	-0.198	0.0049	0.108	0.908	0.0135	132306	0.2361	0.017	0.139	0.681	0.0062	638	11	190	1.001
9/21/2022	10:55:39	-0.228	-0.0078	0.111	0.922	0.0128	132860	0.2364	0.017	0.140	0.705	0.0062	637	11	190	1.002
9/21/2022	10:56:39	-0.242	-0.0072	0.105	0.899	0.0141	130825	0.2334	0.017	0.139	0.660	0.0062	633	11	190	1.001
9/21/2022	10:57:39	-0.217	-0.0020	0.134	0.883	0.0110	132185	0.2332	0.017	0.138	0.677	0.0061	630	11	190	1.001
9/21/2022	10:58:39	-0.271	-0.0009	0.112	0.906	0.0131	133534	0.2369	0.017	0.140	0.700	0.0062	641	11	190	1.001

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp (C)	Press (atm)
9/21/2022	10:59:39	-0.264	0.0127	0.115	0.877	0.0120	133202	0.2370	0.017	0.138	0.652	0.0063	638	11	190	1.001
9/21/2022	11:00:39	-0.243	-0.0052	0.114	0.877	0.0116	133521	0.2367	0.017	0.139	0.653	0.0062	639	11	190	1.002
9/21/2022	11:01:39	-0.191	-0.0121	0.122	0.923	0.0103	133100	0.2387	0.017	0.141	0.708	0.0064	653	11	190	1.002
9/21/2022	11:02:39	-0.181	0.0013	0.112	0.928	0.0103	131491	0.2444	0.016	0.138	0.707	0.0064	663	11	190	1.002
9/21/2022	11:03:39	-0.288	0.0122	0.100	0.898	0.0134	128129	0.2411	0.015	0.135	0.686	0.0063	655	11	190	1.002
9/21/2022	11:04:39	-0.238	0.0101	0.107	0.914	0.0138	128939	0.2411	0.016	0.136	0.685	0.0064	650	11	190	1.002
9/21/2022	11:05:39	-0.236	0.0069	0.134	0.905	0.0112	129886	0.2418	0.016	0.135	0.681	0.0063	654	11	190	1.001
9/21/2022	11:06:39	-0.252	0.0215	0.098	0.906	0.0143	127061	0.2389	0.016	0.134	0.692	0.0062	644	11	190	1.002
Run Averages		**-0.237**	**0.0024**	**0.142**	**0.911**	**0.0112**	**132296**	**0.2402**	**0.016**	**0.139**	**0.694**	**0.0063**	**651**			
9/21/2022	11:07:42	-0.011	-0.0005	-0.014	0.006	0.0023	208	0.0184	0.003	0.007	0.012	0.0002	8	16	190	0.993
9/21/2022	11:08:39	-0.042	0.0057	-0.003	-0.024	0.0017	156	0.0177	0.002	0.005	0.013	0.0002	1	16	190	0.992
9/21/2022	11:09:39	-0.037	-0.0020	-0.016	-0.032	0.0023	151	0.0186	0.002	0.004	0.016	0.0002	1	16	190	0.992
Start Run 3																
9/21/2022	11:30:55	-0.777	-0.0087	0.263	-3.017	-0.1438	122319	2.1841	0.013	0.161	2.644	0.0561	227	11	190	1.001
9/21/2022	11:35:55	0.163	-0.0081	0.136	0.839	0.0171	131421	0.2451	0.015	0.139	0.674	0.0064	660	11	190	1.001
9/21/2022	11:40:55	0.172	-0.0148	0.135	0.920	0.0170	131348	0.2366	0.015	0.138	0.686	0.0062	638	11	190	1.001
9/21/2022	11:45:55	0.202	-0.0134	0.132	0.890	0.0168	125022	0.2326	0.015	0.132	0.646	0.0060	613	11	190	1.001
9/21/2022	11:50:55	0.171	-0.0153	0.126	0.929	0.0167	135187	0.2415	0.016	0.141	0.708	0.0064	653	11	190	1.001
9/21/2022	11:55:55	0.169	-0.0079	0.124	0.907	0.0179	124860	0.2341	0.015	0.132	0.666	0.0060	619	11	190	1.001
9/21/2022	12:00:55	0.174	-0.0122	0.123	0.914	0.0168	125469	0.2355	0.015	0.132	0.668	0.0061	625	11	190	1.001
9/21/2022	12:05:55	0.178	-0.0123	0.113	0.930	0.0185	129373	0.2370	0.015	0.136	0.703	0.0062	639	11	190	1.001
9/21/2022	12:10:55	0.165	-0.0065	0.117	0.955	0.0172	136445	0.2458	0.016	0.143	0.738	0.0065	668	11	190	1.002
9/21/2022	12:15:55	0.148	-0.0273	0.111	0.906	0.0165	134346	0.2426	0.016	0.141	0.729	0.0064	658	11	190	1.001
9/21/2022	12:20:55	0.160	-0.0179	0.112	0.913	0.0183	124798	0.2352	0.015	0.132	0.684	0.0060	623	11	190	1.001
9/21/2022	12:25:55	0.178	-0.0164	0.108	0.940	0.0178	130850	0.2393	0.015	0.138	0.724	0.0063	647	11	190	1.001
9/21/2022	12:30:55	0.170	-0.0088	0.093	0.903	0.0191	126051	0.2337	0.015	0.133	0.673	0.0061	629	11	190	1.001
Run Averages		**0.098**	**-0.0130**	**0.130**	**0.610**	**0.0051**	**129038**	**0.3879**	**0.015**	**0.138**	**0.842**	**0.0101**	**608**			
9/21/2022	12:35:55	0.180	-0.0165	0.110	0.914	0.0169	130495	0.2382	0.015	0.137	0.700	0.0062	645	11	190	1.001
9/21/2022	12:40:55	0.178	-0.0149	0.091	0.890	0.0188	127185	0.2348	0.015	0.134	0.677	0.0061	633	11	190	1.001
Start Run 4																
9/21/2022	12:45:55	0.167	-0.0161	0.103	0.891	0.0178	128239	0.2358	0.015	0.135	0.668	0.0062	636	11	190	1.001
9/21/2022	12:51:00	0.139	-0.0001	0.100	0.887	0.0190	127555	0.2359	0.015	0.133	0.664	0.0061	634	11	190	1.002
9/21/2022	12:55:55	0.150	0.0011	0.092	0.897	0.0192	123761	0.2350	0.015	0.131	0.667	0.0060	622	11	190	1.002
9/21/2022	13:00:57	0.173	-0.0185	0.102	0.927	0.0165	135602	0.2448	0.015	0.142	0.746	0.0065	667	11	190	1.002
9/21/2022	13:05:55	0.153	-0.0131	0.094	0.907	0.0169	136120	0.2465	0.016	0.142	0.717	0.0065	672	11	190	1.002
9/21/2022	13:10:55	0.171	-0.0111	0.088	0.907	0.0189	129884	0.2391	0.015	0.136	0.694	0.0063	647	11	190	1.001
9/21/2022	13:15:57	0.162	-0.0081	0.085	0.898	0.0196	126049	0.2357	0.015	0.133	0.672	0.0061	636	11	190	1.002
9/21/2022	13:20:55	0.175	-0.0186	0.092	0.896	0.0177	128139	0.2376	0.015	0.135	0.691	0.0062	640	11	190	1.001
9/21/2022	13:25:55	0.178	-0.0168	0.095	0.916	0.0170	131707	0.2399	0.015	0.138	0.713	0.0063	648	11	190	1.001
9/21/2022	13:30:55	0.167	-0.0087	0.078	0.888	0.0198	127319	0.2332	0.015	0.133	0.661	0.0061	627	11	190	1.002
9/21/2022	13:35:55	0.206	-0.0308	0.088	0.883	0.0172	125799	0.2281	0.015	0.133	0.665	0.0060	612	11	190	1.001

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp (C)	Press (atm)
9/21/2022	13:40:55	0.191	-0.0239	0.078	0.901	0.0181	125994	0.2276	0.016	0.133	0.693	0.0059	610	11	190	1.001
9/21/2022	13:45:55	0.173	-0.0071	0.076	0.894	0.0188	128391	0.2278	0.016	0.135	0.679	0.0060	614	11	190	1.002
Run Averages		**0.170**	**-0.0132**	**0.090**	**0.899**	**0.0182**	**128812**	**0.2359**	**0.015**	**0.135**	**0.687**	**0.0062**	**636**			
9/21/2022	13:50:55	0.160	-0.0114	0.083	0.904	0.0180	135147	0.2371	0.016	0.141	0.712	0.0063	641	11	190	1.001
9/21/2022	13:55:55	0.190	-0.0178	0.092	0.874	0.0169	129694	0.2318	0.016	0.136	0.665	0.0061	624	11	190	1.002
9/21/2022	14:00:57	0.161	-0.0102	0.081	0.892	0.0176	130463	0.2324	0.016	0.136	0.689	0.0061	625	11	190	1.001
9/21/2022	14:05:56	0.155	-0.0132	0.084	0.901	0.0180	134413	0.2373	0.016	0.140	0.708	0.0063	641	11	190	1.001
9/21/2022	14:10:55	0.157	-0.0156	0.081	0.875	0.0174	133355	0.2363	0.016	0.139	0.681	0.0063	640	11	190	1.001
Start Run 5																
9/21/2022	14:15:55	0.170	-0.0033	0.067	0.863	0.0192	126735	0.2297	0.016	0.133	0.652	0.0060	616	11	190	1.002
9/21/2022	14:20:55	0.141	-0.0047	0.067	0.850	0.0193	123706	0.2288	0.015	0.131	0.637	0.0059	603	11	190	1.002
9/21/2022	14:25:55	0.169	-0.0048	0.070	0.881	0.0207	125677	0.2388	0.014	0.133	0.680	0.0062	645	11	190	1.002
9/21/2022	14:30:55	0.150	-0.0162	0.072	0.887	0.0198	121881	0.2360	0.014	0.129	0.681	0.0060	626	11	190	1.001
9/21/2022	14:35:55	0.152	-0.0081	0.072	0.927	0.0186	130011	0.2415	0.015	0.138	0.731	0.0063	651	11	190	1.001
9/21/2022	14:40:55	0.162	-0.0167	0.072	0.949	0.0186	130095	0.2388	0.015	0.137	0.768	0.0062	645	11	190	1.001
9/21/2022	14:45:55	0.149	-0.0069	0.073	0.923	0.0197	131593	0.2399	0.015	0.138	0.739	0.0063	650	11	190	1.001
9/21/2022	14:50:55	0.165	-0.0229	0.070	0.876	0.0185	136512	0.2444	0.016	0.143	0.726	0.0065	666	11	190	1.001
9/21/2022	14:55:55	0.152	-0.0106	0.071	0.875	0.0191	135213	0.2423	0.016	0.141	0.710	0.0064	658	11	190	1.002
9/21/2022	15:00:55	0.156	-0.0174	0.071	0.925	0.0187	133105	0.2387	0.016	0.139	0.752	0.0063	647	11	190	1.002
9/21/2022	15:05:55	0.156	-0.0096	0.068	0.901	0.0188	129744	0.2362	0.016	0.136	0.709	0.0062	636	11	190	1.002
9/21/2022	15:10:56	0.136	-0.0149	0.061	0.876	0.0200	122264	0.2311	0.015	0.129	0.663	0.0059	609	11	190	1.002
9/21/2022	15:15:55	0.113	-0.0095	0.065	0.865	0.0196	128380	0.2336	0.016	0.135	0.665	0.0061	628	11	190	1.002
Run Averages		**0.152**	**-0.0112**	**0.069**	**0.892**	**0.0193**	**128840**	**0.2369**	**0.015**	**0.136**	**0.701**	**0.0062**	**637**			
9/21/2022	15:20:55	0.169	-0.0100	0.066	0.876	0.0186	126866	0.2302	0.015	0.133	0.674	0.0060	620	11	190	1.002
Start Run 6																
9/21/2022	15:25:55	0.160	-0.0042	0.070	0.855	0.0197	125885	0.2273	0.016	0.132	0.644	0.0059	610	11	190	1.002
9/21/2022	15:30:55	0.155	-0.0194	0.064	0.847	0.0177	136501	0.2392	0.017	0.143	0.694	0.0063	649	11	190	1.002
9/21/2022	15:35:58	0.130	-0.0184	0.067	0.890	0.0188	130962	0.2379	0.015	0.137	0.699	0.0062	645	11	190	1.002
9/21/2022	15:40:55	0.138	-0.0183	0.063	0.933	0.0190	133499	0.2456	0.015	0.140	0.754	0.0065	668	11	190	1.002
9/21/2022	15:45:55	0.142	-0.0149	0.066	0.947	0.0200	130474	0.2396	0.015	0.137	0.784	0.0063	650	11	190	1.001
9/21/2022	15:50:55	0.144	-0.0192	0.063	0.906	0.0199	120856	0.2290	0.015	0.128	0.716	0.0058	608	11	190	1.002
9/21/2022	15:55:55	0.172	-0.0109	0.059	0.833	0.0202	111870	0.2165	0.014	0.120	0.692	0.0054	566	11	190	1.002
9/21/2022	16:00:57	0.144	-0.0112	0.054	0.878	0.0209	119882	0.2240	0.015	0.128	0.837	0.0057	589	11	190	1.002
9/21/2022	16:05:55	0.116	-0.0145	0.064	0.892	0.0188	130743	0.2326	0.016	0.137	0.703	0.0061	626	11	190	1.002
9/21/2022	16:10:55	0.166	-0.0127	0.069	0.873	0.0184	128762	0.2283	0.016	0.135	0.672	0.0060	615	11	190	1.002
9/21/2022	16:15:55	0.150	-0.0170	0.066	0.894	0.0175	130630	0.2308	0.016	0.138	0.709	0.0061	619	11	190	1.002
9/21/2022	16:20:55	0.155	-0.0096	0.060	0.879	0.0189	129514	0.2291	0.016	0.136	0.686	0.0060	614	11	190	1.002
9/21/2022	16:25:55	0.156	-0.0089	0.063	0.886	0.0184	129755	0.2279	0.016	0.136	0.700	0.0060	613	11	190	1.002
Run Averages		**0.148**	**-0.0138**	**0.064**	**0.886**	**0.0191**	**127641**	**0.2314**	**0.016**	**0.135**	**0.715**	**0.0060**	**621**			
9/21/2022	16:30:55	0.131	0.0013	0.066	0.861	0.0179	130239	0.2286	0.017	0.136	0.648	0.0060	613	11	190	1.002
Start Run 7																

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp (C)	Press (atm)
9/21/2022	16:35:55	0.153	-0.0128	0.062	0.903	0.0186	132391	0.2312	0.017	0.139	0.730	0.0061	620	11	190	1.002
9/21/2022	16:40:55	0.173	-0.0157	0.070	0.851	0.0186	127094	0.2238	0.016	0.134	0.656	0.0058	600	11	190	1.002
9/21/2022	16:45:55	0.167	-0.0328	0.063	0.883	0.0168	130221	0.2285	0.017	0.137	0.691	0.0060	613	11	190	1.002
9/21/2022	16:50:55	0.149	-0.0186	0.068	0.868	0.0177	130912	0.2296	0.017	0.138	0.670	0.0061	617	11	190	1.002
9/21/2022	16:55:55	0.137	-0.0108	0.061	0.884	0.0181	131308	0.2294	0.017	0.138	0.710	0.0061	617	11	190	1.001
9/21/2022	17:00:56	0.144	-0.0101	0.063	0.883	0.0194	130990	0.2313	0.017	0.138	0.691	0.0061	622	11	190	1.002
9/21/2022	17:05:55	0.126	-0.0111	0.061	0.886	0.0196	130719	0.2319	0.016	0.138	0.698	0.0061	623	11	190	1.002
9/21/2022	17:10:55	0.153	-0.0129	0.064	0.877	0.0186	130307	0.2310	0.016	0.137	0.685	0.0061	621	11	190	1.002
9/21/2022	17:15:55	0.147	-0.0091	0.066	0.842	0.0191	130444	0.2301	0.016	0.137	0.679	0.0060	619	11	190	1.002
9/21/2022	17:20:57	0.146	-0.0136	0.054	0.890	0.0196	131303	0.2297	0.017	0.139	0.700	0.0061	617	11	190	1.002
9/21/2022	17:25:55	0.147	-0.0091	0.070	0.863	0.0186	131555	0.2311	0.017	0.138	0.669	0.0061	622	11	190	1.002
9/21/2022	17:30:55	0.145	-0.0155	0.074	0.874	0.0174	133366	0.2340	0.017	0.140	0.693	0.0062	632	11	190	1.001
9/21/2022	17:35:55	0.150	-0.0026	0.057	0.839	0.0208	125695	0.2263	0.016	0.132	0.638	0.0059	606	11	190	1.002
Run Averages		**0.149**	**-0.0134**	**0.064**	**0.872**	**0.0187**	**130485**	**0.2298**	**0.017**	**0.137**	**0.685**	**0.0060**	**618**			
9/21/2022	17:42:01	89.323	-0.0186	-0.001	0.139	0.0083	17274	0.1582	0.006	0.023	0.235	0.0056	168	13	190	1.002
9/21/2022	17:43:01	95.489	-0.0275	0.005	0.044	0.0118	10306	0.0869	0.004	0.014	0.107	0.0027	73	14	190	1.002
9/21/2022	17:44:01	97.372	-0.0151	-0.012	0.016	0.0056	4724	0.0978	0.003	0.009	0.061	0.0063	53	15	190	1.002
9/21/2022	17:45:01	97.858	0.0013	-0.001	-0.184	0.0011	2743	0.0966	0.003	0.006	0.031	0.0063	25	15	190	1.002
9/21/2022	17:46:01	98.002	-0.0101	-0.006	-0.093	0.0034	1180	0.0970	0.003	0.006	0.016	0.0062	23	15	190	1.002
9/21/2022	17:47:01	97.927	-0.0042	-0.009	-0.103	0.0074	811	0.0972	0.002	0.006	0.017	0.0063	11	15	190	1.002
System CTS		**97.927**														
9/21/2022	17:48:01	95.201	-0.0054	-0.008	-0.106	0.0079	761	0.0966	0.002	0.006	0.017	0.0061	11	15	190	1.002
9/21/2022	17:49:01	0.244	0.0057	-0.005	-0.079	0.0050	766	0.0485	0.002	0.005	0.015	0.0004	3	15	190	1.002
9/21/2022	17:50:01	0.012	0.0098	-0.009	-0.082	0.0031	651	0.0466	0.002	0.005	0.014	0.0004	3	15	190	1.002
9/21/2022	17:51:01	-0.014	-0.0028	-0.003	-0.084	0.0041	596	0.0455	0.002	0.005	0.020	0.0004	2	15	190	1.001
9/21/2022	17:52:01	-0.018	-0.0013	-0.006	-0.069	0.0042	549	0.0448	0.002	0.006	0.018	0.0004	2	16	190	1.001
System Zero		**-0.018**														
9/21/2022	17:53:01	8.466	-0.0062	-0.006	-0.058	0.0098	461	0.0545	0.002	0.006	0.016	0.0018	2	16	190	1.000
9/21/2022	17:54:01	96.065	0.0074	-0.011	-0.016	0.0066	130	0.0931	0.002	0.005	0.010	0.0044	6	15	190	0.992
9/21/2022	17:55:01	98.086	0.0038	-0.013	-0.018	0.0043	-4	0.0936	0.002	0.005	0.012	0.0062	3	15	190	0.992
9/21/2022	17:56:01	97.699	-0.0043	0.001	-0.018	0.0067	-44	0.0945	0.002	0.005	0.011	0.0062	3	15	190	0.992
9/21/2022	17:57:01	98.055	-0.0032	-0.009	-0.009	0.0043	-42	0.0933	0.002	0.005	0.010	0.0061	3	15	190	0.992
Direct CTS		**98.055**														
9/21/2022	17:58:01	44.185	0.0001	-0.008	-0.012	0.0256	-7	0.1159	0.002	0.006	0.008	0.0058	2	15	190	0.992
9/21/2022	17:59:02	-0.011	-0.0074	-0.014	-0.005	0.0031	50	0.0426	0.002	0.005	0.006	0.0002	0	16	190	0.992
9/21/2022	18:00:01	-0.008	0.0101	-0.008	-0.003	0.0032	20	0.0423	0.002	0.005	0.005	0.0002	0	16	190	0.992
9/21/2022	18:01:01	-0.019	-0.0056	-0.015	-0.011	0.0028	47	0.0415	0.002	0.005	0.006	0.0002	0	16	190	0.992
9/21/2022	18:02:01	-0.029	-0.0038	-0.006	0.003	0.0030	32	0.0387	0.003	0.006	0.005	0.0002	0	16	190	0.992
9/21/2022	18:03:01	-0.025	0.0018	-0.014	-0.007	0.0028	14	0.0415	0.002	0.005	0.005	0.0002	0	16	190	0.992
Direct Zero		**-0.025**														
9/21/2022	18:04:01	-0.038	0.0076	-0.008	-0.004	0.0032	57	0.0435	0.002	0.005	0.005	0.0002	0	16	190	0.992

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp (C)	Press (atm)
9/21/2022	18:07:01	-0.026	0.0048	-0.001	-0.002	-0.0003	-11	0.0049	0.002	0.004	0.004	0.0002	0	16	190	0.992

Client: Georgia Power
Facility: Plant McInstosh
Source: Unit 2
Condition:Natrual Gas Max

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp (C)	Press (atm)
9/22/2022	7:16:34	0.412	-0.0064	0.004	0.002	0.008	-13	0.032	0.0028	0.007	0.006	0.000	0	16	190	0.988
9/22/2022	7:17:31	0.395	-0.0067	-0.001	0.013	0.007	-19	0.031	0.0033	0.008	0.007	0.000	1	16	190	0.988
9/22/2022	7:18:31	0.395	-0.0278	0.009	0.003	0.007	-28	0.030	0.0033	0.008	0.008	0.000	1	16	190	0.988
9/22/2022	7:19:31	0.414	-0.0084	0.009	0.012	0.006	-51	0.031	0.0034	0.008	0.008	0.000	0	16	190	0.988
9/22/2022	7:20:31	0.387	-0.0112	0.010	0.009	0.007	-47	0.030	0.0033	0.008	0.009	0.000	1	16	190	0.988
9/22/2022	7:23:43	-0.004	0.0048	0.001	-0.024	0.000	117	0.005	0.0019	0.004	0.014	0.000	0	15	190	0.988
9/22/2022	7:24:43	-0.005	-0.0033	-0.002	-0.029	0.000	156	0.006	0.0021	0.005	0.019	0.000	1	15	190	0.988
9/22/2022	7:25:43	0.009	0.0084	-0.008	-0.039	0.000	188	0.006	0.0020	0.005	0.023	0.000	1	15	190	0.988
9/22/2022	7:26:43	0.002	0.0097	-0.003	-0.027	0.000	212	0.006	0.0021	0.005	0.021	0.000	1	15	190	0.988
9/22/2022	7:27:43	-0.012	0.0086	0.001	-0.038	0.000	240	0.007	0.0022	0.005	0.024	0.000	1	15	190	0.988
9/22/2022	7:28:44	-0.013	0.0132	-0.006	-0.049	0.000	268	0.007	0.0019	0.004	0.026	0.000	1	15	190	0.988
9/22/2022	7:29:43	-0.006	0.0122	-0.006	-0.044	0.000	275	0.007	0.0022	0.005	0.027	0.000	1	15	190	0.988
9/22/2022	7:30:46	-0.007	0.0002	-0.008	-0.042	0.000	301	0.007	0.0022	0.005	0.029	0.000	1	15	190	0.988
9/22/2022	7:31:43	-0.006	-0.0025	-0.004	-0.049	0.000	304	0.008	0.0022	0.005	0.030	0.000	1	15	190	0.988
9/22/2022	7:32:43	-0.013	0.0033	-0.007	-0.046	0.001	318	0.008	0.0023	0.005	0.030	0.000	1	15	190	0.988
9/22/2022	7:33:43	-0.035	-0.0012	-0.009	-0.047	0.000	309	0.007	0.0021	0.005	0.030	0.000	1	15	190	0.988
9/22/2022	7:34:43	-0.009	0.0106	-0.006	-0.051	0.000	309	0.007	0.0021	0.005	0.030	0.000	1	15	190	0.988
9/22/2022	7:35:45	-0.030	0.0029	-0.008	-0.049	0.000	307	0.007	0.0021	0.005	0.030	0.000	1	15	190	0.988
Direct Zero		**-0.030**														
9/22/2022	7:36:43	-0.009	0.0002	-0.004	-0.040	0.000	308	0.008	0.0023	0.005	0.030	0.000	1	15	190	0.988
9/22/2022	7:37:43	14.564	0.0159	-0.014	-0.047	0.007	343	0.046	0.0022	0.005	0.031	0.002	1	15	190	0.988
9/22/2022	7:38:43	93.493	0.0108	-0.006	-0.062	0.009	360	0.065	0.0022	0.005	0.031	0.004	4	15	190	0.988
9/22/2022	7:39:43	97.413	-0.0030	-0.009	-0.056	0.002	229	0.072	0.0021	0.005	0.023	0.006	6	15	190	0.989
9/22/2022	7:40:43	97.868	0.0083	-0.010	-0.031	0.002	238	0.071	0.0023	0.005	0.020	0.006	4	15	190	0.989
9/22/2022	7:41:43	97.727	0.0080	0.000	-0.029	0.006	177	0.072	0.0021	0.005	0.014	0.006	4	15	190	0.989
9/22/2022	7:42:43	97.743	0.0085	-0.003	-0.016	0.007	143	0.073	0.0021	0.005	0.012	0.006	4	15	190	0.989
9/22/2022	7:43:43	97.670	0.0065	-0.011	-0.031	0.004	11	0.072	0.0020	0.005	0.015	0.006	3	15	190	0.989
9/22/2022	7:44:43	97.570	0.0104	-0.005	-0.035	0.002	19	0.070	0.0021	0.005	0.017	0.006	3	15	190	0.989
Direct CTS		**97.570**														
9/22/2022	7:45:43	26.676	0.2485	-0.022	-0.868	-0.106	17079	0.880	0.0108	0.027	0.505	0.013	45	13	190	0.997
9/22/2022	7:46:43	55.746	0.0146	-0.003	0.103	0.026	23403	0.178	0.0048	0.015	0.190	0.006	132	13	190	1.001
9/22/2022	7:47:43	96.136	0.0147	0.000	0.001	0.009	1193	0.084	0.0025	0.006	0.023	0.003	58	15	190	1.001
9/22/2022	7:48:43	97.868	0.0228	-0.010	-0.072	0.006	427	0.091	0.0024	0.005	0.018	0.006	11	15	190	1.001
9/22/2022	7:49:43	97.772	0.0105	-0.001	-0.070	0.000	390	0.084	0.0024	0.005	0.021	0.006	6	15	190	1.001
9/22/2022	7:50:43	98.055	0.0069	-0.014	-0.067	0.000	378	0.083	0.0023	0.005	0.021	0.007	7	15	190	1.001
System CTS		**98.055**														
9/22/2022	7:51:43	30.379	0.0105	-0.001	-0.057	0.026	366	0.101	0.0023	0.005	0.020	0.005	3	15	190	1.001
9/22/2022	7:52:43	0.070	0.0060	-0.004	-0.051	0.001	370	0.024	0.0022	0.005	0.020	0.001	2	15	190	1.001

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp (C)	Press (atm)
9/22/2022	7:53:43	0.028	0.0070	-0.006	-0.050	0.001	367	0.023	0.0024	0.005	0.020	0.001	2	15	190	1.001
9/22/2022	7:54:43	0.028	0.0080	-0.005	-0.060	0.000	328	0.021	0.0022	0.005	0.020	0.000	2	15	190	1.001
9/22/2022	7:55:43	0.087	0.0020	-0.012	-0.049	-0.002	358	0.022	0.0024	0.006	0.025	0.000	1	15	190	1.001
System Zero		**0.087**														
9/22/2022	7:56:43	-0.030	0.0198	-0.002	-0.093	0.001	989	0.025	0.0022	0.005	0.032	0.001	3	15	190	1.001
9/22/2022	7:57:43	0.164	0.0035	0.012	-1.987	0.072	45750	0.478	0.0069	0.029	0.654	0.012	130	12	190	1.001
9/22/2022	7:58:43	-0.231	0.0157	-0.009	0.464	-0.001	89604	0.231	0.0103	0.042	0.662	0.005	464	11	190	0.993
9/22/2022	7:59:43	-0.264	0.0439	-0.016	0.844	0.011	123186	0.235	0.0133	0.055	0.671	0.006	621	11	190	0.991
9/22/2022	8:00:45	-0.246	0.0176	-0.027	0.872	0.011	129716	0.238	0.0135	0.059	0.653	0.006	645	11	190	0.991
9/22/2022	8:01:43	-0.253	0.0339	-0.035	0.855	0.013	132852	0.243	0.0136	0.059	0.661	0.006	657	11	190	0.991
9/22/2022	8:02:43	-0.283	0.0422	-0.028	0.850	0.014	131365	0.240	0.0136	0.059	0.669	0.006	650	11	190	0.991
9/22/2022	8:03:43	-0.230	0.0164	-0.011	0.838	0.010	132047	0.237	0.0143	0.059	0.872	0.006	644	11	190	0.992
9/22/2022	8:04:43	-0.236	0.0062	-0.037	0.859	0.011	137310	0.243	0.0142	0.062	0.697	0.006	663	11	190	0.992
9/22/2022	8:05:43	-0.239	0.0113	-0.043	0.842	0.045	129867	0.235	0.0137	0.060	0.819	0.006	637	11	190	0.994
9/22/2022	8:06:43	-0.467	0.0433	0.187	0.845	0.232	125691	0.232	0.0136	0.058	0.877	0.006	615	11	190	1.001
9/22/2022	8:07:46	-0.380	0.0108	0.265	0.862	0.227	131429	0.234	0.0139	0.061	0.677	0.006	641	11	190	1.001
9/22/2022	8:08:43	-0.405	0.0587	0.273	0.891	0.232	131661	0.232	0.0140	0.060	0.715	0.006	636	11	190	1.001
9/22/2022	8:09:43	-0.357	0.0415	0.296	0.843	0.231	129087	0.230	0.0141	0.058	0.648	0.006	629	11	190	1.001
9/22/2022	8:10:43	-0.351	0.0393	0.306	0.844	0.234	127950	0.228	0.0135	0.059	0.783	0.006	620	11	190	1.001
9/22/2022	8:11:43	-0.404	0.0416	0.283	0.863	0.236	127229	0.229	0.0136	0.057	0.662	0.006	624	11	190	1.001
9/22/2022	8:12:43	-0.398	0.0369	0.294	0.896	0.234	135939	0.237	0.0146	0.061	0.708	0.006	648	11	190	1.001
9/22/2022	8:13:43	-0.404	0.0440	0.267	0.863	0.241	126380	0.230	0.0136	0.057	0.836	0.006	612	11	190	1.002
9/22/2022	8:14:43	-0.464	0.0306	0.272	0.911	0.240	139491	0.241	0.0147	0.063	0.703	0.006	663	11	190	1.002
9/22/2022	8:15:43	-0.391	0.0326	0.238	0.916	0.243	131776	0.233	0.0145	0.060	0.684	0.006	633	11	190	1.002
9/22/2022	8:16:43	-0.412	0.0304	0.222	0.874	0.247	116448	0.217	0.0129	0.054	0.727	0.005	575	11	190	1.002
9/22/2022	8:17:43	-0.343	0.0225	0.149	0.863	0.161	117666	0.217	0.0131	0.054	0.694	0.006	576	11	190	0.997
9/22/2022	8:18:43	-0.212	0.0256	-0.005	0.842	0.014	115127	0.218	0.0126	0.053	0.681	0.005	574	11	190	0.991
9/22/2022	8:19:43	-0.222	0.0190	0.012	0.815	0.013	111092	0.212	0.0121	0.051	0.612	0.005	559	11	190	0.991
9/22/2022	8:20:43	-0.196	0.0099	-0.011	0.828	0.014	107637	0.210	0.0118	0.050	0.643	0.005	551	11	190	0.991
9/22/2022	8:21:43	-0.213	0.0274	-0.034	0.821	0.016	110448	0.213	0.0124	0.051	0.638	0.005	560	11	190	0.991
9/22/2022	8:22:43	-0.273	0.0276	0.002	0.934	0.011	139312	0.246	0.0145	0.061	0.776	0.007	672	11	190	0.991
9/22/2022	8:23:43	-0.224	0.0362	-0.041	0.883	0.014	123675	0.230	0.0134	0.056	0.829	0.006	609	11	190	0.991
9/22/2022	8:24:43	-0.241	0.0149	-0.017	0.879	0.012	130757	0.235	0.0139	0.059	0.682	0.006	639	11	190	0.991
9/22/2022	8:25:43	-0.263	0.0345	-0.023	0.939	0.013	128666	0.234	0.0139	0.058	0.761	0.006	632	11	190	0.991
9/22/2022	8:26:43	-0.279	0.0377	-0.026	0.926	0.013	134809	0.241	0.0142	0.060	0.739	0.006	657	11	190	0.991
9/22/2022	8:27:43	-0.280	0.0261	-0.023	0.915	0.013	132060	0.236	0.0140	0.059	0.752	0.006	639	11	190	0.991
9/22/2022	8:28:44	-0.267	0.0351	-0.040	0.923	0.013	133857	0.240	0.0140	0.061	0.765	0.006	653	11	190	0.991
9/22/2022	8:29:43	-0.260	0.0172	-0.027	0.871	0.013	128558	0.236	0.0133	0.058	0.696	0.006	639	11	190	0.991
9/22/2022	8:30:43	-0.217	0.0193	-0.023	0.900	0.010	133936	0.240	0.0139	0.061	0.746	0.006	656	11	190	0.991
9/22/2022	8:31:43	-0.286	0.0251	-0.039	0.911	0.012	139718	0.250	0.0144	0.064	0.780	0.007	682	11	190	0.991
9/22/2022	8:32:43	-0.253	0.0309	-0.025	0.875	0.014	131192	0.242	0.0133	0.059	0.893	0.006	656	11	190	0.992
9/22/2022	8:33:43	-0.259	0.0316	-0.033	0.916	0.013	132479	0.243	0.0134	0.060	0.776	0.006	660	11	190	0.992

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp (C)	Press (atm)
9/22/2022	8:34:43	-0.270	0.0190	-0.023	0.870	0.012	134188	0.245	0.0137	0.060	0.700	0.006	668	11	190	0.992
9/22/2022	8:35:43	-0.253	0.0219	-0.033	0.918	0.012	139151	0.250	0.0140	0.063	0.779	0.007	684	11	190	0.992
9/22/2022	8:36:43	-0.269	0.0199	-0.022	0.854	0.013	134955	0.248	0.0134	0.061	0.702	0.006	676	11	190	0.992
9/22/2022	8:37:43	-0.271	0.0219	-0.017	0.848	0.012	133388	0.243	0.0135	0.060	0.696	0.006	664	11	190	0.992
9/22/2022	8:38:44	-0.250	0.0034	-0.006	0.834	0.013	128185	0.237	0.0131	0.058	0.762	0.006	643	11	190	0.992
9/22/2022	8:39:43	-0.242	0.0117	-0.035	0.868	0.013	127582	0.237	0.0127	0.058	0.696	0.006	645	11	190	0.992
9/22/2022	8:40:43	-0.268	0.0267	-0.033	0.867	0.014	125401	0.239	0.0127	0.058	0.799	0.006	636	11	190	0.992
9/22/2022	8:41:43	-0.227	0.0084	-0.029	0.828	0.014	123079	0.232	0.0127	0.057	0.712	0.006	617	11	190	0.992
9/22/2022	8:42:43	-0.238	0.0289	-0.030	0.837	0.014	121235	0.226	0.0132	0.056	0.708	0.006	596	11	190	0.992
9/22/2022	8:43:43	-0.239	0.0283	-0.025	0.809	0.014	116939	0.221	0.0127	0.054	0.652	0.006	583	11	190	0.992
9/22/2022	8:44:43	-0.226	0.0154	-0.021	0.791	0.013	115034	0.217	0.0130	0.054	0.642	0.005	570	11	190	0.992
9/22/2022	8:45:43	-0.286	0.0118	-0.009	0.825	0.011	131567	0.235	0.0142	0.059	0.699	0.006	637	11	190	0.992
9/22/2022	8:46:43	-0.206	0.0076	-0.041	0.865	0.014	123599	0.227	0.0135	0.058	0.774	0.006	602	11	190	0.992
9/22/2022	8:47:43	-0.265	0.0123	-0.039	0.852	0.015	134308	0.236	0.0147	0.061	0.893	0.006	639	11	190	0.992
9/22/2022	8:48:44	-0.245	0.0224	-0.035	0.847	0.013	128152	0.228	0.0139	0.058	0.754	0.006	618	11	190	0.993
9/22/2022	8:49:44	-0.284	0.0188	-0.032	0.866	0.012	138597	0.239	0.0151	0.063	0.815	0.006	646	11	190	0.993
Method 301 Validation HCl																
9/22/2022	8:50:43	-0.256	0.0035	-0.035	0.838	0.013	129651	0.228	0.0143	0.059	0.752	0.006	617	11	190	0.994
9/22/2022	8:51:43	-0.234	0.0135	-0.042	0.830	0.013	127548	0.226	0.0140	0.058	0.743	0.006	609	11	190	0.994
9/22/2022	8:52:43	-0.237	0.0127	-0.041	0.843	0.011	129125	0.227	0.0143	0.059	0.764	0.006	617	11	190	0.993
9/22/2022	8:53:46	-0.269	0.0255	-0.018	0.828	0.013	122331	0.222	0.0140	0.056	0.716	0.006	585	11	190	0.993
9/22/2022	8:54:43	-0.273	0.0401	-0.054	0.839	0.014	130820	0.229	0.0149	0.060	0.731	0.006	613	11	190	0.994
9/22/2022	8:55:43	-0.284	0.0191	-0.032	0.799	0.014	123978	0.224	0.0140	0.057	0.660	0.006	594	11	190	0.994
9/22/2022	8:56:43	-0.244	0.0119	**-0.033**	0.815	**0.013**	121304	0.220	0.0139	0.056	0.676	0.006	580	11	190	0.994
9/22/2022	8:57:43	-0.250	0.0079	**0.001**	0.860	**0.010**	134892	0.232	0.0152	0.060	0.912	0.006	632	11	190	0.994
9/22/2022	8:58:43	-0.297	0.0296	-0.015	0.848	0.011	134885	0.234	0.0150	0.060	0.680	0.006	636	11	190	0.994
9/22/2022	8:59:43	-0.303	0.0312	-0.046	0.840	0.012	141839	0.241	0.0156	0.064	0.685	0.006	657	11	190	0.994
9/22/2022	9:00:43	-0.326	0.0387	0.612	0.825	0.084	129387	0.228	0.0148	0.058	0.769	0.006	610	11	190	0.996
9/22/2022	9:01:43	-0.423	0.0895	3.917	0.886	0.262	124751	0.226	0.0186	0.062	0.813	0.006	592	11	190	1.003
9/22/2022	9:02:43	-0.369	0.0608	4.231	0.931	0.254	131599	0.228	0.0195	0.067	0.770	0.006	613	11	190	1.003
9/22/2022	9:03:45	-0.438	0.0787	4.224	0.860	0.256	124759	0.223	0.0189	0.063	0.737	0.006	591	11	190	1.004
9/22/2022	9:04:43	-0.439	0.0865	4.822	0.890	0.248	127064	0.224	0.0205	0.066	0.729	0.006	600	11	190	1.003
9/22/2022	9:05:43	-0.394	0.0439	3.036	0.857	0.245	117983	0.216	0.0163	0.059	0.694	0.005	571	11	190	1.003
9/22/2022	9:06:45	-0.333	0.0410	2.641	0.850	0.240	116797	0.216	0.0156	0.056	0.665	0.005	567	11	190	1.003
9/22/2022	9:07:44	-0.353	0.0351	1.742	0.879	0.238	118324	0.216	0.0147	0.056	0.726	0.005	569	11	190	1.003
9/22/2022	9:08:45	-0.454	0.0455	1.823	0.866	0.234	127326	0.223	0.0155	0.060	0.714	0.006	607	11	190	1.003
9/22/2022	9:09:43	-0.344	0.0261	1.630	0.878	0.233	121520	0.217	0.0151	0.057	0.719	0.005	574	11	190	1.003
9/22/2022	9:10:43	-0.412	0.0576	1.506	0.883	0.229	128760	0.224	0.0154	0.059	0.747	0.006	608	11	190	1.003
9/22/2022	9:11:43	-0.411	0.0405	2.566	0.901	0.226	131305	0.227	0.0170	0.063	0.717	0.006	616	11	190	1.003
9/22/2022	9:12:43	-0.423	0.0434	1.816	0.847	0.228	116218	0.214	0.0145	0.055	0.626	0.005	565	11	190	1.002
9/22/2022	9:13:43	-0.466	0.0360	1.586	0.901	0.225	126429	0.225	0.0154	0.059	0.792	0.006	598	11	190	1.002
9/22/2022	9:14:43	-0.447	0.0511	1.408	0.890	0.226	124861	0.225	0.0148	0.057	0.833	0.006	601	11	190	1.002

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp (C)	Press (atm)
9/22/2022	9:15:43	-0.424	0.0246	1.140	0.853	0.223	126127	0.225	0.0149	0.058	0.714	0.006	603	11	190	1.002
9/22/2022	9:16:43	-0.413	0.0400	0.998	0.859	0.225	121970	0.223	0.0141	0.056	0.703	0.006	587	11	190	1.002
9/22/2022	9:17:43	-0.374	0.0204	0.838	0.889	0.225	122142	0.223	0.0138	0.057	0.798	0.006	595	11	190	1.002
9/22/2022	9:18:43	-0.413	0.0260	**0.822**	0.899	**0.224**	126970	0.229	0.0140	0.057	0.856	0.006	618	11	190	1.002
9/22/2022	9:19:43	-0.457	0.0292	**0.840**	0.868	**0.225**	126301	0.229	0.0136	0.058	0.803	0.006	629	11	190	1.002
9/22/2022	9:20:43	-0.396	0.0351	0.812	0.858	0.226	120785	0.231	0.0128	0.055	0.736	0.006	614	11	190	1.002
9/22/2022	9:21:43	-0.383	0.0250	0.483	0.903	0.131	118054	0.226	0.0128	0.054	0.732	0.006	595	11	190	0.995
9/22/2022	9:22:43	-0.268	0.0145	0.077	0.872	0.012	123523	0.236	0.0127	0.056	0.745	0.006	625	11	190	0.991
9/22/2022	9:23:43	-0.233	0.0136	0.014	0.861	0.013	119655	0.230	0.0126	0.055	0.752	0.006	607	11	190	0.991
9/22/2022	9:24:43	-0.225	0.0245	0.002	0.861	0.013	116543	0.226	0.0123	0.054	0.729	0.006	594	11	190	0.991
9/22/2022	9:25:43	-0.310	0.0269	0.011	0.859	0.007	146182	0.259	0.0147	0.065	0.743	0.007	711	11	190	0.991
9/22/2022	9:26:43	-0.297	0.0270	**0.003**	0.855	**0.010**	137441	0.246	0.0141	0.061	0.724	0.007	671	11	190	0.991
9/22/2022	9:27:43	-0.270	0.0346	**0.017**	0.826	**0.011**	119587	0.228	0.0128	0.054	0.699	0.006	604	11	190	0.991
9/22/2022	9:28:43	-0.329	0.0114	0.188	0.813	0.194	115354	0.222	0.0123	0.053	0.690	0.006	587	11	190	0.995
9/22/2022	9:29:43	-0.662	0.0441	1.337	0.842	0.526	120091	0.225	0.0135	0.055	0.724	0.006	600	11	190	1.001
9/22/2022	9:30:43	-0.395	0.0267	1.557	0.851	0.334	118808	0.220	0.0138	0.056	0.699	0.006	591	11	190	1.001
9/22/2022	9:31:43	-0.478	0.0655	1.914	0.857	0.230	119152	0.228	0.0143	0.056	0.736	0.006	599	11	190	1.001
9/22/2022	9:32:44	-0.432	0.0482	1.588	0.879	0.227	126314	0.231	0.0142	0.058	0.662	0.006	626	11	190	1.001
9/22/2022	9:33:43	-0.402	0.0212	1.308	0.880	0.227	116965	0.222	0.0135	0.055	0.792	0.006	585	11	190	1.001
9/22/2022	9:34:44	-0.420	0.0285	1.176	0.851	0.229	123688	0.231	0.0137	0.057	0.830	0.006	612	11	190	1.001
9/22/2022	9:35:43	-0.399	0.0398	1.171	0.872	0.226	117494	0.220	0.0135	0.054	0.723	0.006	583	11	190	1.001
9/22/2022	9:36:43	-0.426	0.0335	1.073	0.853	0.227	115662	0.218	0.0132	0.054	0.717	0.006	582	11	190	1.001
9/22/2022	9:37:43	-0.416	0.0237	0.910	0.856	0.225	117227	0.219	0.0131	0.054	0.670	0.006	583	11	190	1.001
9/22/2022	9:38:43	-0.405	0.0245	0.809	0.839	0.230	107367	0.212	0.0120	0.051	0.641	0.005	551	11	190	1.001
9/22/2022	9:39:43	-0.393	0.0286	0.886	0.911	0.225	123501	0.227	0.0137	0.057	0.810	0.006	606	11	190	1.001
9/22/2022	9:40:43	-0.458	0.0236	0.793	0.854	0.230	113619	0.216	0.0128	0.053	0.704	0.005	570	11	190	1.001
9/22/2022	9:41:43	-0.467	0.0340	**0.798**	0.884	**0.228**	124414	0.229	0.0137	0.057	0.789	0.006	610	11	190	1.001
9/22/2022	9:42:43	-0.418	0.0408	**0.830**	0.864	**0.228**	118215	0.220	0.0136	0.054	0.709	0.006	582	11	190	1.001
9/22/2022	9:43:43	-0.392	0.0474	0.659	0.860	0.154	118610	0.223	0.0130	0.054	0.693	0.006	588	11	190	0.996
9/22/2022	9:44:43	-0.279	0.0119	0.042	0.871	0.013	122649	0.228	0.0134	0.056	0.848	0.006	603	11	190	0.992
9/22/2022	9:45:43	-0.278	0.0328	0.018	0.871	0.014	117798	0.222	0.0131	0.053	0.725	0.006	585	11	190	0.992
9/22/2022	9:46:43	-0.248	0.0018	-0.007	0.928	0.010	130230	0.233	0.0140	0.059	0.773	0.006	632	11	190	0.991
9/22/2022	9:47:43	-0.289	0.0203	0.011	0.898	0.012	135554	0.240	0.0146	0.060	0.723	0.006	651	11	190	0.991
9/22/2022	9:48:43	-0.278	0.0252	-0.004	0.879	0.012	134299	0.238	0.0142	0.060	0.699	0.006	646	11	190	0.991
9/22/2022	9:49:43	-0.251	0.0179	-0.031	0.823	0.013	133066	0.237	0.0140	0.061	0.659	0.006	643	11	190	0.991
9/22/2022	9:50:43	-0.274	0.0076	-0.038	0.814	0.012	140160	0.243	0.0151	0.064	0.700	0.006	664	11	190	0.991
9/22/2022	9:51:43	-0.274	0.0153	-0.024	0.889	0.013	125227	0.234	0.0134	0.057	0.705	0.006	618	11	190	0.991
9/22/2022	9:52:45	-0.292	0.0042	0.085	0.826	0.095	113854	0.216	0.0128	0.052	0.694	0.005	571	11	190	0.995
9/22/2022	9:53:43	-0.401	0.0110	0.521	0.892	0.230	130969	0.234	0.0141	0.061	0.711	0.006	638	11	190	1.001
9/22/2022	9:54:43	-0.384	0.0291	0.578	0.892	0.221	132889	0.236	0.0144	0.061	0.719	0.006	641	11	190	1.001
9/22/2022	9:55:43	-0.337	0.0264	0.578	0.817	0.218	127359	0.228	0.0139	0.058	0.642	0.006	621	11	190	1.001
9/22/2022	9:56:43	-0.413	0.0478	0.556	0.878	0.217	126463	0.227	0.0140	0.058	0.804	0.006	609	11	190	1.001

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp (C)	Press (atm)
9/22/2022	9:57:43	-0.398	0.0145	0.657	0.871	0.215	117028	0.221	0.0132	0.054	0.719	0.006	583	11	190	1.001
9/22/2022	9:58:45	-0.470	0.0290	0.569	0.898	0.215	124688	0.228	0.0140	0.057	0.768	0.006	604	11	190	1.001
9/22/2022	9:59:44	-0.420	0.0219	0.516	0.913	0.237	120258	0.223	0.0133	0.055	0.920	0.006	594	11	190	1.001
9/22/2022	10:00:43	-0.451	0.0219	0.464	0.877	0.239	114980	0.215	0.0130	0.054	0.747	0.005	569	11	190	1.001
9/22/2022	10:01:43	-0.342	0.0340	0.266	0.892	0.117	123167	0.228	0.0137	0.056	0.742	0.006	601	11	190	0.994
9/22/2022	10:02:43	-0.323	0.0337	0.046	0.824	0.013	129065	0.233	0.0145	0.057	0.632	0.006	627	11	190	0.991
9/22/2022	10:03:43	-0.248	0.0180	0.003	0.809	0.013	134929	0.238	0.0147	0.062	0.658	0.006	643	11	190	0.991
9/22/2022	10:04:43	-0.269	0.0192	-0.015	0.887	0.013	130228	0.232	0.0141	0.059	0.700	0.006	625	11	190	0.991
9/22/2022	10:05:46	-0.278	0.0327	-0.036	0.798	0.013	133673	0.237	0.0147	0.061	0.655	0.006	637	11	190	0.991
9/22/2022	10:06:43	-0.231	0.0044	-0.055	0.797	0.012	136997	0.239	0.0153	0.064	0.663	0.006	648	11	190	0.991
9/22/2022	10:07:43	-0.294	0.0317	-0.007	0.861	0.013	131256	0.233	0.0144	0.058	0.665	0.006	631	11	190	0.991
9/22/2022	10:08:43	-0.296	0.0291	-0.023	0.857	0.015	128100	0.229	0.0143	0.058	0.813	0.006	614	11	190	0.991
9/22/2022	10:09:43	-0.280	0.0339	-0.038	0.892	0.015	130849	0.232	0.0146	0.059	0.712	0.006	624	11	190	0.991
9/22/2022	10:10:43	-0.259	0.0185	-0.015	0.861	0.013	131802	0.232	0.0146	0.059	0.654	0.006	628	11	190	0.991
9/22/2022	10:11:43	-0.247	0.0080	**-0.043**	0.900	**0.016**	128470	0.229	0.0141	0.060	0.741	0.006	618	11	190	0.991
9/22/2022	10:12:43	-0.253	0.0106	**-0.014**	0.833	**0.013**	120098	0.221	0.0137	0.055	0.706	0.006	583	11	190	0.991
9/22/2022	10:13:43	-0.252	0.0142	-0.003	0.780	0.014	110829	0.210	0.0130	0.050	0.601	0.005	550	11	190	0.991
9/22/2022	10:14:43	-0.280	0.0251	-0.019	0.816	0.016	126417	0.228	0.0140	0.058	0.730	0.006	609	11	190	0.991
9/22/2022	10:15:43	-0.308	0.0207	-0.034	0.843	0.013	137176	0.237	0.0152	0.062	0.812	0.006	643	11	190	0.991
9/22/2022	10:16:43	-0.348	0.0169	1.387	0.810	0.136	125518	0.226	0.0150	0.058	0.652	0.006	600	11	190	0.996
9/22/2022	10:17:43	-0.453	0.0576	2.377	0.849	0.239	130380	0.227	0.0162	0.061	0.739	0.006	614	11	190	1.001
9/22/2022	10:18:43	-0.383	0.0429	1.945	0.895	0.237	134609	0.230	0.0164	0.063	0.739	0.006	624	11	190	1.001
9/22/2022	10:19:43	-0.448	0.0563	2.038	0.836	0.237	127300	0.223	0.0161	0.059	0.694	0.006	605	11	190	1.001
9/22/2022	10:20:43	-0.429	0.0343	1.601	0.845	0.239	125668	0.225	0.0149	0.060	0.742	0.006	599	11	190	1.001
9/22/2022	10:21:43	-0.399	0.0310	1.145	0.859	0.238	121636	0.224	0.0143	0.058	0.708	0.006	587	11	190	1.001
9/22/2022	10:22:43	-0.455	0.0314	0.901	0.867	0.239	121576	0.225	0.0137	0.056	0.776	0.006	598	11	190	1.001
9/22/2022	10:23:43	-0.446	0.0340	0.934	0.824	0.235	118107	0.228	0.0130	0.054	0.689	0.006	599	11	190	1.001
9/22/2022	10:24:43	-0.422	0.0330	**0.915**	0.812	**0.237**	113413	0.219	0.0122	0.053	0.671	0.006	586	11	190	1.001
9/22/2022	10:25:45	-0.433	0.0297	**0.878**	0.836	**0.236**	114751	0.221	0.0124	0.053	0.689	0.005	586	11	190	1.001
9/22/2022	10:26:43	-0.397	0.0361	0.762	0.833	0.237	113725	0.219	0.0127	0.052	0.677	0.005	577	11	190	1.001
9/22/2022	10:27:43	-0.384	0.0136	0.657	0.829	0.236	109792	0.213	0.0122	0.051	0.674	0.005	565	11	190	1.001
9/22/2022	10:28:43	-0.413	0.0114	0.614	0.812	0.235	106831	0.208	0.0120	0.050	0.621	0.005	552	11	190	1.001
9/22/2022	10:29:46	-0.404	0.0148	0.605	0.816	0.234	110588	0.214	0.0123	0.050	0.640	0.005	566	11	190	1.001
9/22/2022	10:30:43	-0.414	0.0125	0.645	0.847	0.188	115875	0.222	0.0126	0.053	0.699	0.006	589	11	190	0.997
9/22/2022	10:31:43	-0.267	0.0135	0.056	0.889	0.013	128070	0.234	0.0135	0.059	0.902	0.006	630	11	190	0.992
9/22/2022	10:32:43	-0.318	0.0236	0.029	0.878	0.012	140763	0.250	0.0149	0.062	0.726	0.007	678	11	190	0.991
9/22/2022	10:33:43	-0.283	0.0229	0.007	0.899	0.012	130738	0.236	0.0140	0.059	0.760	0.006	639	11	190	0.992
9/22/2022	10:34:43	-0.288	0.0150	**0.001**	0.926	**0.012**	135390	0.241	0.0145	0.061	0.805	0.006	651	11	190	0.992
9/22/2022	10:35:43	-0.264	0.0072	**0.007**	0.849	**0.009**	127227	0.233	0.0138	0.057	0.765	0.006	621	11	190	0.992
9/22/2022	10:36:43	-0.264	0.0120	-0.020	0.875	0.012	126053	0.232	0.0136	0.058	0.831	0.006	617	11	190	0.991
9/22/2022	10:37:43	-0.449	0.0311	1.568	0.872	0.369	120619	0.224	0.0142	0.057	0.755	0.006	590	11	190	1.000
9/22/2022	10:38:43	-0.429	0.0391	1.576	0.869	0.240	120562	0.225	0.0141	0.057	0.773	0.006	596	11	190	1.001

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp (C)	Press (atm)
9/22/2022	10:39:43	-0.444	0.0359	1.224	0.821	0.239	111199	0.212	0.0129	0.052	0.633	0.005	558	11	190	1.001
9/22/2022	10:40:43	-0.444	0.0266	1.660	0.858	0.236	135929	0.238	0.0155	0.063	0.681	0.006	650	11	190	1.001
9/22/2022	10:41:43	-0.433	0.0471	1.410	0.840	0.241	109733	0.210	0.0136	0.051	0.648	0.005	554	11	190	1.001
9/22/2022	10:42:43	-0.465	0.0436	1.237	0.879	0.238	122423	0.223	0.0141	0.057	0.741	0.006	592	11	190	1.001
9/22/2022	10:43:43	-0.467	0.0373	1.209	0.901	0.238	132562	0.235	0.0147	0.061	0.706	0.006	636	11	190	1.001
9/22/2022	10:44:43	-0.479	0.0262	1.181	0.834	0.235	136795	0.237	0.0154	0.062	0.697	0.006	646	11	190	1.001
9/22/2022	10:45:43	-0.397	0.0149	1.017	0.899	0.237	121935	0.224	0.0140	0.058	0.888	0.006	596	11	190	1.001
9/22/2022	10:46:43	-0.401	0.0288	0.905	0.903	0.237	118537	0.220	0.0136	0.055	0.805	0.005	579	11	190	1.001
9/22/2022	10:47:43	-0.488	0.0342	**0.801**	0.900	**0.239**	126499	0.226	0.0147	0.060	0.749	0.006	607	11	190	1.001
9/22/2022	10:48:43	-0.443	0.0247	**0.818**	0.899	**0.236**	117206	0.218	0.0135	0.053	0.752	0.006	577	11	190	1.001
9/22/2022	10:49:44	-0.412	0.0146	0.770	0.874	0.235	121596	0.219	0.0141	0.058	0.777	0.006	588	11	190	1.001
9/22/2022	10:50:43	-0.435	0.0228	0.781	0.858	0.232	119559	0.218	0.0141	0.055	0.731	0.006	579	11	190	1.001
9/22/2022	10:51:43	-0.382	0.0104	0.480	0.846	0.139	117791	0.218	0.0135	0.054	0.713	0.006	575	11	190	0.996
9/22/2022	10:52:43	-0.288	0.0193	0.077	0.859	0.010	128756	0.229	0.0146	0.058	0.802	0.006	617	11	190	0.992
9/22/2022	10:53:43	-0.279	0.0294	0.006	0.873	0.013	133988	0.235	0.0151	0.060	0.683	0.006	633	11	190	0.992
9/22/2022	10:54:43	-0.252	0.0238	-0.022	0.851	0.015	121463	0.223	0.0138	0.056	0.747	0.006	587	11	190	0.992
9/22/2022	10:55:43	-0.232	0.0102	**0.002**	0.838	**0.009**	125141	0.226	0.0145	0.057	0.738	0.006	603	11	190	0.992
9/22/2022	10:56:43	-0.271	0.0176	**-0.019**	0.870	**0.014**	125668	0.228	0.0141	0.057	0.685	0.006	601	11	190	0.992
9/22/2022	10:57:43	-0.263	0.0366	0.000	0.859	0.012	128948	0.228	0.0143	0.058	0.796	0.006	613	11	190	0.992
9/22/2022	10:58:43	-0.368	0.0319	0.933	0.808	0.169	116866	0.216	0.0139	0.054	0.647	0.005	566	11	190	0.997
9/22/2022	10:59:43	-0.354	0.0289	1.550	0.781	0.237	115436	0.211	0.0146	0.054	0.601	0.005	559	11	190	1.001
9/22/2022	11:00:43	-0.443	0.0355	1.441	0.804	0.238	115972	0.213	0.0140	0.054	0.659	0.005	564	11	190	1.001
9/22/2022	11:01:44	-0.402	0.0426	1.162	0.842	0.237	122379	0.221	0.0146	0.057	0.718	0.006	585	11	190	1.001
9/22/2022	11:02:43	-0.441	0.0429	1.008	0.826	0.236	125841	0.223	0.0150	0.058	0.702	0.006	595	11	190	1.001
9/22/2022	11:03:43	-0.401	0.0243	0.880	0.889	0.235	125906	0.220	0.0144	0.058	0.828	0.006	600	11	190	1.001
9/22/2022	11:04:43	-0.352	0.0068	**0.799**	0.919	**0.235**	132721	0.231	0.0156	0.064	0.773	0.006	630	11	190	1.001
9/22/2022	11:05:43	-0.458	0.0384	**0.926**	0.898	**0.234**	138789	0.241	0.0156	0.063	0.735	0.006	654	11	190	1.001
9/22/2022	11:06:43	-0.455	0.0487	0.828	0.874	0.239	134465	0.240	0.0147	0.061	0.675	0.006	651	11	190	1.001
9/22/2022	11:07:43	-0.387	0.0225	0.502	0.817	0.147	132671	0.238	0.0141	0.061	0.661	0.006	648	11	190	0.996
9/22/2022	11:08:43	-0.314	0.0297	0.046	0.896	0.015	132537	0.244	0.0139	0.059	0.726	0.006	658	11	190	0.992
9/22/2022	11:09:43	-0.241	0.0101	0.035	0.852	0.012	118194	0.228	0.0123	0.053	0.721	0.006	604	11	190	0.992
9/22/2022	11:10:43	-0.249	0.0088	0.010	0.845	0.016	114155	0.225	0.0121	0.052	0.695	0.006	590	11	190	0.992
9/22/2022	11:11:43	-0.277	0.0000	0.008	0.897	0.013	125521	0.237	0.0130	0.056	0.894	0.006	632	11	190	0.992
9/22/2022	11:12:43	-0.307	0.0094	0.011	0.908	0.013	134160	0.244	0.0137	0.060	0.794	0.006	663	11	190	0.992
9/22/2022	11:13:43	-0.277	0.0292	**0.002**	0.795	**0.012**	130884	0.240	0.0135	0.059	0.672	0.006	651	11	190	0.991
9/22/2022	11:14:43	-0.283	0.0187	**0.011**	0.910	**0.012**	125379	0.235	0.0133	0.057	0.798	0.006	627	11	190	0.992
9/22/2022	11:15:45	-0.271	0.0183	0.006	0.844	0.013	120811	0.228	0.0131	0.055	0.732	0.006	604	11	190	0.991
9/22/2022	11:16:43	-0.445	0.0399	0.943	0.849	0.275	115327	0.221	0.0130	0.053	0.745	0.006	579	11	190	1.000
9/22/2022	11:17:43	-0.393	0.0394	1.325	0.852	0.240	124947	0.234	0.0141	0.058	0.750	0.006	615	11	190	1.001
9/22/2022	11:18:43	-0.370	0.0467	1.670	0.828	0.241	111769	0.214	0.0136	0.052	0.684	0.005	569	11	190	1.001
9/22/2022	11:19:44	-0.380	0.0235	1.212	0.843	0.243	111438	0.214	0.0129	0.054	0.707	0.005	564	11	190	1.001
9/22/2022	11:20:43	-0.441	0.0180	1.175	0.860	0.242	119249	0.224	0.0135	0.056	0.747	0.006	590	11	190	1.001

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp (C)	Press (atm)
9/22/2022	11:21:43	-0.466	0.0323	1.230	0.887	0.241	122567	0.229	0.0142	0.057	0.768	0.006	608	11	190	1.001
9/22/2022	11:22:43	-0.460	0.0222	1.232	0.852	0.240	116647	0.219	0.0136	0.055	0.691	0.006	579	11	190	1.001
9/22/2022	11:23:43	-0.521	0.0428	1.054	0.899	0.238	137333	0.242	0.0152	0.063	0.714	0.006	659	11	190	1.001
9/22/2022	11:24:43	-0.446	0.0357	0.958	0.890	0.236	119827	0.223	0.0139	0.055	0.785	0.006	595	11	190	1.002
9/22/2022	11:25:43	-0.459	0.0336	0.899	0.892	0.233	131961	0.234	0.0144	0.060	0.738	0.006	637	11	190	1.001
9/22/2022	11:26:43	-0.413	0.0323	**0.747**	0.877	**0.240**	109735	0.209	0.0127	0.052	0.780	0.005	550	11	190	1.001
9/22/2022	11:27:43	-0.472	0.0239	**0.721**	0.899	**0.239**	130550	0.235	0.0147	0.061	0.873	0.006	628	11	190	1.001
9/22/2022	11:28:43	-0.450	0.0216	0.694	0.859	0.236	114604	0.215	0.0132	0.053	0.723	0.005	570	11	190	1.001
9/22/2022	11:29:43	-0.434	0.0325	0.703	0.863	0.236	130802	0.230	0.0145	0.059	0.771	0.006	628	11	190	1.001
9/22/2022	11:30:43	-0.415	0.0241	0.668	0.790	0.235	126887	0.226	0.0146	0.058	0.737	0.006	610	11	190	1.001
9/22/2022	11:31:46	-0.332	0.0114	0.377	0.825	0.135	100728	0.198	0.0118	0.048	0.622	0.005	510	11	190	0.994
9/22/2022	11:32:43	-0.175	0.0160	0.045	0.756	0.014	82737	0.195	0.0104	0.040	0.545	0.004	453	11	190	0.991
9/22/2022	11:33:43	-0.230	0.0066	0.046	0.774	0.010	88896	0.199	0.0111	0.042	0.766	0.004	445	11	190	0.991
9/22/2022	11:34:43	-0.269	0.0145	0.015	0.881	0.012	128704	0.229	0.0145	0.059	0.802	0.006	615	11	190	0.991
9/22/2022	11:35:43	-0.313	0.0186	-0.005	0.796	0.006	154136	0.258	0.0169	0.068	0.757	0.007	711	11	190	0.991
9/22/2022	11:36:45	-0.326	0.0282	0.000	0.880	0.013	135691	0.238	0.0154	0.060	0.750	0.006	637	11	190	0.991
9/22/2022	11:37:43	-0.327	0.0415	-0.030	0.832	0.013	140104	0.242	0.0157	0.063	0.683	0.006	653	11	190	0.991
9/22/2022	11:38:46	-0.349	0.0419	**-0.009**	0.877	**0.013**	137792	0.239	0.0159	0.061	0.712	0.006	643	11	190	0.991
9/22/2022	11:39:43	-0.292	0.0213	**-0.018**	0.779	**0.013**	143972	0.243	0.0160	0.064	0.679	0.007	663	11	190	0.991
9/22/2022	11:40:43	-0.434	0.0405	1.132	0.832	0.251	120947	0.216	0.0148	0.055	0.729	0.006	577	11	190	1.001
9/22/2022	11:41:43	-0.380	0.0251	1.165	0.804	0.238	113782	0.210	0.0140	0.053	0.669	0.005	551	11	190	1.001
9/22/2022	11:42:43	-0.421	0.0264	1.146	0.809	0.239	113458	0.210	0.0139	0.054	0.668	0.005	550	11	190	1.001
9/22/2022	11:43:46	-0.394	0.0418	1.082	0.831	0.238	121824	0.218	0.0147	0.057	0.713	0.006	577	11	190	1.001
9/22/2022	11:44:43	-0.414	0.0319	1.022	0.839	0.236	120157	0.217	0.0143	0.056	0.744	0.006	575	11	190	1.001
9/22/2022	11:45:43	-0.402	0.0319	1.095	0.848	0.235	125215	0.224	0.0146	0.057	0.745	0.006	596	11	190	1.001
9/22/2022	11:46:43	-0.377	0.0294	0.883	0.805	0.233	120817	0.219	0.0141	0.055	0.685	0.006	583	11	190	1.001
9/22/2022	11:47:43	-0.416	0.0352	**0.877**	0.846	**0.231**	126969	0.225	0.0144	0.058	0.801	0.006	611	11	190	1.001
9/22/2022	11:48:43	-0.394	0.0371	**0.866**	0.867	**0.230**	124436	0.225	0.0143	0.057	0.775	0.006	603	11	190	1.001
9/22/2022	11:49:43	-0.428	0.0106	0.733	0.930	0.230	122246	0.225	0.0138	0.057	0.918	0.006	605	11	190	1.001
9/22/2022	11:50:43	-0.360	0.0195	0.718	0.855	0.231	120460	0.229	0.0133	0.056	0.687	0.006	612	11	190	1.001
9/22/2022	11:51:43	-0.453	0.0361	0.659	0.879	0.233	119929	0.230	0.0131	0.054	0.879	0.006	609	11	190	1.001
9/22/2022	11:52:43	-0.442	0.0347	0.599	0.890	0.231	122539	0.232	0.0130	0.056	0.709	0.006	620	11	190	1.001
9/22/2022	11:53:43	-0.408	0.0286	0.565	0.816	0.230	123307	0.231	0.0133	0.056	0.645	0.006	624	11	190	1.001
9/22/2022	11:54:43	-0.441	0.0233	0.525	0.867	0.232	119968	0.230	0.0129	0.057	0.679	0.006	611	11	190	1.001
9/22/2022	11:55:45	-0.419	0.0115	0.501	0.892	0.231	114930	0.221	0.0125	0.054	0.814	0.006	589	11	190	1.001
9/22/2022	11:56:43	-0.412	0.0261	0.497	0.880	0.229	115864	0.221	0.0127	0.054	0.799	0.006	594	11	190	1.001
9/22/2022	11:57:43	-0.433	0.0097	0.535	0.830	0.227	126628	0.232	0.0137	0.060	0.660	0.006	632	11	190	1.001
9/22/2022	11:58:43	-0.428	0.0213	0.578	0.832	0.227	118079	0.223	0.0131	0.056	0.725	0.006	598	11	190	1.001
9/22/2022	11:59:45	-0.466	0.0283	0.609	0.836	0.226	124998	0.233	0.0135	0.057	0.658	0.006	624	11	190	1.001
9/22/2022	12:00:43	-0.504	0.0235	0.539	0.895	0.229	124444	0.234	0.0136	0.057	0.710	0.006	622	11	190	1.001
9/22/2022	12:01:43	-0.431	0.0316	0.540	0.921	0.223	132534	0.237	0.0141	0.059	0.766	0.006	648	11	190	1.001
9/22/2022	12:02:43	-0.488	0.0357	0.632	0.829	0.228	129498	0.234	0.0146	0.058	0.659	0.006	632	11	190	1.001

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp (C)	Press (atm)
9/22/2022	12:03:43	-0.477	0.0179	0.629	0.855	0.224	124092	0.229	0.0136	0.057	0.714	0.006	611	11	190	1.001
9/22/2022	12:04:46	-0.450	0.0170	0.570	0.947	0.223	121219	0.225	0.0135	0.056	0.961	0.006	599	11	190	1.001
9/22/2022	12:05:43	-0.531	0.0357	0.541	0.875	0.223	123466	0.229	0.0139	0.055	0.675	0.006	606	11	190	1.001
9/22/2022	12:06:44	-0.431	0.0171	0.511	0.888	0.220	124730	0.229	0.0138	0.056	0.905	0.006	613	11	190	1.001
9/22/2022	12:07:43	-0.442	0.0416	0.458	0.918	0.222	122048	0.225	0.0136	0.056	0.944	0.006	600	11	190	1.001
9/22/2022	12:08:43	-0.476	0.0225	0.458	0.886	0.219	115197	0.215	0.0134	0.053	0.774	0.005	570	11	190	1.002
9/22/2022	12:09:43	-0.422	0.0299	0.421	0.865	0.224	116585	0.216	0.0133	0.054	0.732	0.006	571	11	190	1.002
9/22/2022	12:10:43	-0.395	0.0079	0.393	0.837	0.222	116954	0.217	0.0134	0.055	0.719	0.005	572	11	190	1.002
9/22/2022	12:11:43	-0.476	0.0242	0.402	0.814	0.221	115848	0.215	0.0137	0.053	0.684	0.005	568	11	190	1.002
9/22/2022	12:12:43	-0.425	0.0138	0.374	0.866	0.221	119209	0.220	0.0136	0.055	0.805	0.006	582	11	190	1.002
9/22/2022	12:13:46	-0.367	0.0184	0.377	0.802	0.220	112859	0.210	0.0132	0.053	0.636	0.005	557	11	190	1.002
9/22/2022	12:14:43	-0.433	0.0092	0.399	0.845	0.221	122933	0.223	0.0140	0.057	0.735	0.006	588	11	190	1.002
9/22/2022	12:15:43	-0.458	0.0315	0.500	0.888	0.219	128689	0.227	0.0145	0.059	0.727	0.006	613	11	190	1.002
9/22/2022	12:16:43	-0.440	0.0307	0.414	0.897	0.190	123177	0.225	0.0144	0.058	0.905	0.006	591	11	190	0.997
9/22/2022	12:17:45	-0.271	0.0150	0.069	0.851	0.012	124332	0.228	0.0143	0.056	0.745	0.006	602	11	190	0.992
9/22/2022	12:18:43	-0.320	0.0269	0.007	0.877	0.012	135426	0.247	0.0140	0.060	0.713	0.007	668	11	190	0.992
9/22/2022	12:19:43	-0.302	0.0221	**-0.019**	0.862	**0.013**	129964	0.240	0.0135	0.058	0.709	0.006	651	11	190	0.992
9/22/2022	12:20:43	-0.300	0.0211	**-0.010**	0.852	**0.014**	122407	0.233	0.0128	0.056	0.775	0.006	620	11	190	0.993
9/22/2022	12:21:43	-0.292	0.0211	-0.009	0.829	0.013	124285	0.237	0.0129	0.056	0.772	0.006	630	11	190	0.992
9/22/2022	12:22:43	-0.266	0.0252	-0.030	0.882	0.016	117664	0.227	0.0130	0.054	0.809	0.006	597	11	190	0.992
9/22/2022	12:23:43	-0.275	0.0171	0.017	0.816	0.013	112302	0.219	0.0126	0.051	0.688	0.006	578	11	190	0.992
9/22/2022	12:24:43	-0.264	0.0111	-0.006	0.834	0.014	118390	0.225	0.0130	0.054	0.745	0.006	596	11	190	0.992
9/22/2022	12:25:43	-0.426	0.0586	0.951	0.874	0.295	113842	0.218	0.0129	0.053	0.796	0.006	577	11	190	0.999
9/22/2022	12:26:44	-0.477	0.0299	1.471	0.873	0.237	112798	0.217	0.0135	0.055	0.779	0.006	571	11	190	1.001
9/22/2022	12:27:43	-0.470	0.0364	1.266	0.876	0.237	121185	0.230	0.0139	0.056	0.831	0.006	609	11	190	1.001
9/22/2022	12:28:43	-0.434	0.0352	1.361	0.876	0.231	126450	0.230	0.0144	0.059	0.911	0.006	623	11	190	1.001
9/22/2022	12:29:43	-0.353	0.0389	1.228	0.859	0.231	113003	0.216	0.0132	0.053	0.704	0.006	572	11	190	1.001
9/22/2022	12:30:43	-0.452	0.0482	0.985	0.867	0.237	115454	0.220	0.0134	0.055	0.768	0.006	575	11	190	1.001
9/22/2022	12:31:43	-0.454	0.0383	0.899	0.901	0.233	123557	0.226	0.0143	0.056	0.722	0.006	602	11	190	1.001
9/22/2022	12:32:43	-0.434	0.0193	**0.820**	0.828	**0.230**	130662	0.233	0.0148	0.060	0.655	0.006	629	11	190	1.001
9/22/2022	12:33:43	-0.447	0.0221	**0.784**	0.873	**0.229**	118343	0.221	0.0136	0.055	0.803	0.006	580	11	190	1.001
9/22/2022	12:34:43	-0.390	0.0249	0.730	0.872	0.228	121120	0.222	0.0140	0.056	0.775	0.006	586	11	190	1.001
9/22/2022	12:35:43	-0.444	0.0032	0.643	0.802	0.229	119469	0.220	0.0138	0.056	0.708	0.006	582	11	190	1.001
9/22/2022	12:36:43	-0.535	0.0390	0.646	0.832	0.227	137197	0.238	0.0157	0.063	0.680	0.006	646	11	190	1.001
9/22/2022	12:37:43	-0.482	0.0202	0.539	0.855	0.228	117267	0.215	0.0137	0.054	0.737	0.006	570	11	190	1.001
9/22/2022	12:38:43	-0.481	0.0364	0.532	0.906	0.228	125584	0.227	0.0148	0.057	0.722	0.006	601	11	190	1.001
9/22/2022	12:39:43	-0.456	0.0378	0.502	0.841	0.228	118165	0.218	0.0141	0.054	0.710	0.006	575	11	190	1.001
9/22/2022	12:40:43	-0.487	0.0267	0.527	0.814	0.226	124028	0.226	0.0145	0.057	0.617	0.006	597	11	190	1.001
9/22/2022	12:41:43	-0.434	0.0142	0.485	0.912	0.223	119986	0.219	0.0137	0.056	0.846	0.006	585	11	190	1.001
9/22/2022	12:42:43	-0.450	0.0395	0.476	0.929	0.225	121431	0.227	0.0137	0.055	0.905	0.006	600	11	190	1.001
9/22/2022	12:43:45	-0.463	0.0313	0.485	0.878	0.225	123267	0.235	0.0129	0.056	0.887	0.006	626	11	190	1.001
9/22/2022	12:44:43	-0.448	0.0185	0.465	0.827	0.225	117931	0.227	0.0123	0.055	0.697	0.006	608	11	190	1.001

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp (C)	Press (atm)
9/22/2022	12:45:43	-0.421	0.0248	0.442	0.872	0.197	114229	0.223	0.0125	0.052	0.758	0.006	589	11	190	0.999
9/22/2022	12:46:43	-0.315	0.0361	0.040	0.863	0.014	128328	0.239	0.0138	0.057	0.669	0.006	643	11	190	0.992
9/22/2022	12:47:43	-0.346	0.0411	0.010	0.947	0.013	138381	0.249	0.0145	0.061	0.830	0.007	676	11	190	0.992
9/22/2022	12:48:43	-0.343	0.0317	0.001	0.924	0.013	139054	0.249	0.0148	0.062	0.806	0.007	676	11	190	0.992
9/22/2022	12:49:43	-0.307	0.0212	**-0.030**	0.892	**0.014**	137477	0.245	0.0145	0.062	0.743	0.007	667	11	190	0.992
9/22/2022	12:50:43	-0.330	0.0260	**0.006**	0.891	**0.011**	139494	0.249	0.0145	0.062	0.741	0.007	681	11	190	0.992
9/22/2022	12:51:43	-0.286	0.0153	-0.025	0.827	0.019	134791	0.240	0.0147	0.062	0.700	0.006	654	11	190	0.993
9/22/2022	12:52:43	-0.409	0.0200	0.719	0.845	0.246	114636	0.218	0.0128	0.054	0.768	0.006	578	11	190	1.001
9/22/2022	12:53:43	-0.423	0.0454	0.952	0.941	0.231	134969	0.239	0.0148	0.062	0.807	0.006	655	11	190	1.001
9/22/2022	12:54:46	-0.417	0.0213	**0.880**	0.886	**0.230**	123595	0.225	0.0140	0.057	0.899	0.006	608	11	190	1.001
9/22/2022	12:55:43	-0.448	0.0437	**0.847**	0.875	**0.234**	117899	0.222	0.0136	0.055	0.825	0.006	586	11	190	1.001
9/22/2022	12:56:43	-0.488	0.0152	0.812	0.809	0.229	127329	0.227	0.0145	0.059	0.644	0.006	618	11	190	1.001
9/22/2022	12:57:43	-0.448	0.0345	0.696	0.881	0.231	123850	0.227	0.0141	0.058	0.719	0.006	600	11	190	1.000
9/22/2022	12:58:43	-0.367	0.0606	0.116	0.883	0.024	134521	0.240	0.0153	0.060	0.687	0.006	644	11	190	0.992
9/22/2022	12:59:43	-0.293	0.0351	0.021	0.923	0.014	130135	0.233	0.0145	0.058	0.753	0.006	628	11	190	0.992
9/22/2022	13:00:43	-0.295	0.0206	-0.006	0.861	0.014	125177	0.229	0.0140	0.057	0.831	0.006	610	11	190	0.992
9/22/2022	13:01:44	-0.275	0.0087	-0.002	0.871	0.014	116657	0.220	0.0132	0.054	0.766	0.006	582	11	190	0.992
9/22/2022	13:02:43	-0.267	0.0040	0.009	0.846	0.013	113732	0.215	0.0130	0.052	0.700	0.005	567	11	190	0.992
9/22/2022	13:03:43	-0.271	0.0215	0.009	0.856	0.013	122338	0.225	0.0139	0.056	0.756	0.006	599	11	190	0.992
9/22/2022	13:04:43	-0.238	-0.0013	-0.014	0.839	0.014	114935	0.218	0.0131	0.054	0.696	0.006	573	11	190	0.992
9/22/2022	13:05:43	-0.263	0.0115	**-0.027**	0.871	**0.015**	115072	0.218	0.0131	0.054	0.767	0.006	572	11	190	0.992
9/22/2022	13:06:43	-0.262	0.0136	**-0.033**	0.808	**0.014**	127614	0.229	0.0143	0.060	0.649	0.006	617	11	190	0.992
9/22/2022	13:07:43	-0.303	0.0215	-0.030	0.898	0.014	125159	0.229	0.0141	0.057	0.944	0.006	606	11	190	0.992
9/22/2022	13:08:44	-0.318	0.0285	0.013	0.854	0.012	139630	0.242	0.0156	0.062	0.737	0.007	660	11	190	0.992
9/22/2022	13:09:43	-0.271	0.0144	-0.029	0.910	0.014	127671	0.228	0.0144	0.059	0.765	0.006	616	11	190	0.992
9/22/2022	13:10:43	-0.301	0.0122	-0.036	0.802	0.014	128835	0.230	0.0143	0.059	0.655	0.006	620	11	190	0.995
9/22/2022	13:11:43	-0.425	0.0271	0.822	0.842	0.249	118916	0.220	0.0141	0.057	0.758	0.006	579	11	190	1.003
9/22/2022	13:12:43	-0.405	0.0366	1.214	0.848	0.232	120747	0.222	0.0146	0.057	0.762	0.006	586	11	190	1.001
9/22/2022	13:13:43	-0.443	0.0187	1.013	0.875	0.234	117934	0.219	0.0140	0.055	0.691	0.006	574	11	190	1.001
9/22/2022	13:14:43	-0.423	0.0327	**0.906**	0.880	**0.233**	113414	0.211	0.0136	0.052	0.800	0.005	554	11	190	1.001
9/22/2022	13:15:46	-0.409	0.0396	**0.846**	0.868	**0.229**	120519	0.219	0.0143	0.057	0.724	0.006	579	11	190	1.001
9/22/2022	13:16:43	-0.535	0.0240	0.800	0.901	0.228	132665	0.230	0.0155	0.062	0.760	0.006	628	11	190	1.001
9/22/2022	13:17:43	-0.425	0.0184	0.741	0.829	0.225	121246	0.223	0.0137	0.057	0.733	0.006	593	11	190	1.001
9/22/2022	13:18:43	-0.425	0.0304	0.685	0.854	0.227	115160	0.220	0.0128	0.053	0.715	0.006	583	11	190	1.001
9/22/2022	13:19:43	-0.442	0.0177	0.648	0.873	0.228	120923	0.230	0.0131	0.056	0.834	0.006	613	11	190	1.001
9/22/2022	13:20:43	-0.493	0.0229	0.646	0.901	0.225	130587	0.238	0.0140	0.060	0.749	0.006	647	11	190	1.001
9/22/2022	13:21:43	-0.431	0.0334	0.607	0.885	0.225	120582	0.227	0.0130	0.055	0.835	0.006	611	11	190	1.001
9/22/2022	13:22:43	-0.379	0.0272	0.430	0.893	0.137	129419	0.236	0.0140	0.058	0.713	0.006	643	11	190	0.996
9/22/2022	13:23:43	-0.303	0.0109	0.037	0.829	0.012	135489	0.244	0.0143	0.062	0.686	0.006	664	11	190	0.991
9/22/2022	13:24:44	-0.312	0.0295	0.009	0.876	0.013	126984	0.235	0.0134	0.058	0.678	0.006	632	11	190	0.992
9/22/2022	13:25:43	-0.281	0.0094	0.027	0.872	0.011	122005	0.228	0.0136	0.056	0.781	0.006	609	11	190	0.992
9/22/2022	13:26:43	-0.319	0.0255	0.005	0.884	0.012	131138	0.239	0.0139	0.059	0.714	0.006	647	11	190	0.992

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp (C)	Press (atm)
9/22/2022	13:27:43	-0.329	0.0126	-0.014	0.866	0.013	138551	0.247	0.0147	0.063	0.771	0.007	670	11	190	0.991
9/22/2022	13:28:43	-0.347	0.0310	-0.014	0.859	0.012	145475	0.252	0.0156	0.064	0.753	0.007	691	11	190	0.991
9/22/2022	13:29:43	-0.323	-0.0020	-0.012	0.881	0.011	145187	0.252	0.0154	0.065	0.755	0.007	693	11	190	0.991
9/22/2022	13:30:49	-0.358	0.0312	0.063	0.891	0.045	136943	0.245	0.0147	0.061	0.729	0.007	667	11	190	0.994
9/22/2022	13:31:43	-0.475	0.0267	0.856	0.861	0.231	119772	0.222	0.0136	0.056	0.869	0.006	593	11	190	1.001
9/22/2022	13:32:43	-0.396	0.0391	0.721	0.892	0.230	121827	0.225	0.0139	0.056	0.862	0.006	597	11	190	1.001
9/22/2022	13:33:43	-0.356	0.0321	0.628	0.869	0.223	123371	0.226	0.0139	0.057	0.713	0.006	605	11	190	1.001
9/22/2022	13:34:46	-0.378	0.0313	0.274	0.903	0.086	130084	0.234	0.0143	0.061	0.787	0.006	635	11	190	0.991
9/22/2022	13:35:43	-0.382	0.0388	0.079	0.913	0.013	133610	0.238	0.0151	0.059	0.697	0.006	641	11	190	0.989
9/22/2022	13:36:43	-0.353	0.0241	0.016	0.939	0.016	130692	0.236	0.0146	0.059	0.751	0.006	631	11	190	0.989
9/22/2022	13:37:43	-0.312	0.0047	0.017	0.886	0.013	124784	0.230	0.0139	0.057	0.849	0.006	610	11	190	0.989
9/22/2022	13:38:43	-0.318	0.0272	0.013	0.846	0.015	111974	0.215	0.0130	0.051	0.662	0.005	564	11	190	0.989
9/22/2022	13:39:45	-0.298	0.0165	-0.007	0.862	0.017	109598	0.213	0.0128	0.052	0.685	0.005	552	11	190	0.989
9/22/2022	13:40:43	-0.307	0.0275	0.009	0.832	0.014	111697	0.213	0.0130	0.051	0.669	0.005	558	11	190	0.989
9/22/2022	13:41:43	-0.340	0.0174	**0.011**	0.850	**0.015**	117067	0.223	0.0133	0.053	0.702	0.006	586	11	190	0.989
9/22/2022	13:42:43	-0.436	0.0400	**-0.014**	0.850	**0.015**	115280	0.233	0.0135	0.054	0.664	0.006	591	11	190	0.989
9/22/2022	13:43:43	-0.437	0.0317	-0.014	0.933	0.009	157657	0.271	0.0167	0.069	0.862	0.007	739	11	190	0.989
9/22/2022	13:44:43	-0.350	0.0227	-0.028	0.830	0.013	137077	0.242	0.0149	0.061	0.673	0.006	650	11	190	0.989
9/22/2022	13:45:43	-0.346	0.0065	0.006	0.890	0.011	136458	0.241	0.0151	0.061	0.712	0.006	652	11	190	0.989
9/22/2022	13:46:45	-0.419	0.0301	1.483	0.817	0.235	118372	0.217	0.0144	0.055	0.697	0.006	577	11	190	1.000
9/22/2022	13:47:43	-0.491	0.0686	1.580	0.862	0.231	124052	0.227	0.0151	0.058	0.824	0.006	606	11	190	1.001
9/22/2022	13:48:43	-0.507	0.0413	1.495	0.875	0.225	122763	0.229	0.0146	0.056	0.794	0.006	607	11	190	1.001
9/22/2022	13:49:43	-0.450	0.0322	1.397	0.857	0.225	121878	0.228	0.0141	0.057	0.813	0.006	613	11	190	1.001
9/22/2022	13:50:43	-0.427	0.0428	1.305	0.848	0.220	127395	0.233	0.0139	0.059	0.674	0.006	641	11	190	1.001
9/22/2022	13:51:43	-0.409	0.0448	1.138	0.837	0.221	115711	0.224	0.0129	0.053	0.713	0.006	593	11	190	1.001
9/22/2022	13:52:43	-0.423	0.0433	**0.996**	0.828	**0.220**	115290	0.223	0.0128	0.053	0.733	0.006	591	11	190	1.001
9/22/2022	13:53:43	-0.450	0.0417	**1.002**	0.859	**0.223**	118228	0.228	0.0132	0.055	0.769	0.006	603	11	190	1.001
9/22/2022	13:54:43	-0.454	0.0112	0.909	0.862	0.218	124001	0.232	0.0136	0.058	0.671	0.006	622	11	190	1.001
9/22/2022	13:55:43	-0.442	0.0291	0.881	0.835	0.221	114677	0.222	0.0127	0.054	0.708	0.006	588	11	190	1.001
9/22/2022	13:56:43	-0.357	0.0306	0.344	0.883	0.075	131855	0.240	0.0140	0.061	0.681	0.006	650	11	190	0.993
9/22/2022	13:57:43	-0.305	0.0165	0.024	0.863	0.014	128847	0.236	0.0136	0.059	0.666	0.006	638	11	190	0.992
9/22/2022	13:58:43	-0.365	0.0248	**0.014**	0.906	**0.014**	141270	0.251	0.0148	0.062	0.758	0.007	685	11	190	0.992
9/22/2022	13:59:43	-0.374	0.0441	**-0.008**	0.865	**0.016**	138826	0.250	0.0149	0.062	0.695	0.007	677	11	190	0.992
9/22/2022	14:00:43	-0.302	0.0243	-0.041	0.843	0.016	123726	0.233	0.0135	0.057	0.777	0.006	616	11	190	0.992
9/22/2022	14:01:43	-0.315	0.0213	-0.014	0.814	0.015	121535	0.230	0.0129	0.055	0.736	0.006	608	11	190	0.992
9/22/2022	14:02:45	-0.359	0.0277	0.786	0.809	0.206	113230	0.214	0.0131	0.052	0.675	0.005	568	11	190	0.999
9/22/2022	14:03:43	-0.461	0.0364	1.419	0.862	0.228	130487	0.234	0.0148	0.059	0.670	0.006	637	11	190	1.001
9/22/2022	14:04:43	-0.419	0.0314	1.241	0.928	0.230	136018	0.239	0.0155	0.064	0.763	0.006	656	11	190	1.001
9/22/2022	14:05:43	-0.519	0.0356	1.361	0.901	0.227	134803	0.239	0.0154	0.061	0.702	0.006	657	11	190	1.001
9/22/2022	14:06:43	-0.463	0.0326	**1.130**	0.886	**0.228**	128656	0.232	0.0144	0.059	0.701	0.006	629	11	190	1.001
9/22/2022	14:07:43	-0.521	0.0380	**1.148**	0.884	**0.223**	128854	0.230	0.0146	0.058	0.697	0.006	628	11	190	1.001
9/22/2022	14:08:43	-0.451	0.0309	0.887	0.874	0.223	128652	0.230	0.0144	0.058	0.682	0.006	631	11	190	1.001

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp (C)	Press (atm)
9/22/2022	14:09:43	-0.421	0.0399	0.734	0.815	0.221	125208	0.227	0.0142	0.058	0.638	0.006	615	11	190	1.003
9/22/2022	14:10:43	-0.292	0.0183	0.123	0.881	0.020	112638	0.217	0.0127	0.053	0.725	0.005	574	11	190	0.991
9/22/2022	14:11:43	-0.295	0.0237	0.035	0.831	0.016	108272	0.213	0.0126	0.050	0.649	0.005	556	11	190	0.991
9/22/2022	14:12:43	-0.312	0.0211	0.033	0.834	0.015	109626	0.214	0.0126	0.050	0.660	0.005	560	11	190	0.991
9/22/2022	14:13:43	-0.281	-0.0141	0.030	0.848	0.012	117443	0.222	0.0135	0.055	0.706	0.006	589	11	190	0.991
9/22/2022	14:14:43	-0.335	0.0197	0.006	0.883	0.013	132319	0.239	0.0144	0.060	0.687	0.006	643	11	190	0.991
9/22/2022	14:15:43	-0.337	0.0201	-0.029	0.926	0.013	137758	0.245	0.0149	0.062	0.758	0.007	664	11	190	0.991
9/22/2022	14:16:43	-0.336	0.0289	-0.010	0.877	0.016	121645	0.228	0.0136	0.055	0.782	0.006	605	11	190	0.991
9/22/2022	14:17:43	-0.336	0.0006	-0.030	0.921	0.015	126661	0.231	0.0139	0.059	0.879	0.006	621	11	190	0.991
9/22/2022	14:18:43	-0.321	0.0083	0.013	0.864	0.014	119550	0.225	0.0135	0.054	0.735	0.006	598	11	190	0.991
9/22/2022	14:19:45	-0.427	0.0359	0.592	0.835	0.181	121095	0.229	0.0135	0.057	0.749	0.006	604	11	190	0.999
9/22/2022	14:20:43	-0.522	0.0501	1.322	0.876	0.232	128244	0.231	0.0148	0.060	0.669	0.006	629	11	190	1.001
9/22/2022	14:21:43	-0.473	0.0444	1.358	0.871	0.228	128627	0.231	0.0146	0.060	0.680	0.006	628	11	190	1.001
9/22/2022	14:22:43	-0.457	0.0391	1.356	0.868	0.227	125107	0.224	0.0148	0.058	0.657	0.006	604	11	190	1.001
9/22/2022	14:23:43	-0.388	0.0322	0.999	0.879	0.227	128885	0.229	0.0147	0.060	0.708	0.006	619	11	190	1.001
9/22/2022	14:24:46	-0.481	0.0227	1.395	0.914	0.225	137224	0.239	0.0155	0.064	0.734	0.006	655	11	190	1.001
9/22/2022	14:25:43	-0.458	0.0298	1.233	0.881	0.224	128007	0.228	0.0149	0.059	0.678	0.006	617	11	190	1.001
9/22/2022	14:26:43	-0.480	0.0253	1.091	0.865	0.227	117044	0.218	0.0137	0.055	0.742	0.006	578	11	190	1.001
9/22/2022	14:27:44	-0.447	0.0152	0.984	0.825	0.224	112773	0.210	0.0137	0.052	0.643	0.005	558	11	190	1.001
9/22/2022	14:28:43	-0.498	0.0467	0.808	0.794	0.228	105365	0.205	0.0131	0.049	0.585	0.005	537	11	190	1.001
9/22/2022	14:29:43	-0.450	0.0272	0.743	0.797	0.226	105895	0.202	0.0127	0.050	0.587	0.005	531	11	190	1.001
9/22/2022	14:30:43	-0.496	0.0479	1.151	0.848	0.223	122627	0.223	0.0148	0.056	0.781	0.006	593	11	190	1.001
9/22/2022	14:31:43	-0.471	0.0352	1.249	0.859	0.223	130979	0.231	0.0154	0.061	0.660	0.006	623	11	190	1.001
9/22/2022	14:32:43	-0.466	0.0191	1.275	0.862	0.224	124452	0.226	0.0150	0.059	0.802	0.006	598	11	190	1.001
9/22/2022	14:33:43	-0.358	0.0400	0.238	0.849	0.038	128343	0.229	0.0148	0.058	0.752	0.006	613	11	190	0.991
9/22/2022	14:34:43	-0.300	0.0192	0.059	0.851	0.011	129097	0.230	0.0148	0.058	0.749	0.006	619	11	190	0.991
9/22/2022	14:35:43	-0.288	0.0038	0.034	0.852	0.011	128010	0.228	0.0148	0.058	0.797	0.006	614	11	190	0.991
9/22/2022	14:36:43	-0.289	0.0072	0.023	0.867	0.011	131776	0.232	0.0153	0.060	0.689	0.006	625	11	190	0.991
9/22/2022	14:37:44	-0.344	0.0282	-0.006	0.870	0.014	134772	0.237	0.0153	0.060	0.669	0.006	640	11	190	0.991
9/22/2022	14:38:43	-0.309	0.0216	0.008	0.840	0.014	124262	0.228	0.0141	0.056	0.741	0.006	605	11	190	0.991
9/22/2022	14:39:43	-0.243	0.0105	-0.031	0.912	0.015	122355	0.226	0.0140	0.058	0.758	0.006	597	11	190	0.991
9/22/2022	14:40:43	-0.324	0.0191	-0.004	0.809	0.011	139266	0.246	0.0148	0.062	0.679	0.007	676	11	190	0.991
9/22/2022	14:41:43	-0.325	0.0291	-0.021	0.891	0.014	131479	0.240	0.0136	0.060	0.737	0.006	653	11	190	0.991
9/22/2022	14:42:43	-0.430	0.0265	0.347	0.873	0.166	122660	0.234	0.0131	0.056	0.678	0.006	626	11	190	0.995
9/22/2022	14:43:43	-0.406	0.0703	1.846	0.823	0.212	117829	0.227	0.0142	0.055	0.714	0.006	604	11	190	1.001
9/22/2022	14:44:43	-0.421	0.0445	1.676	0.845	0.208	119032	0.230	0.0139	0.055	0.771	0.006	614	11	190	1.001
9/22/2022	14:45:43	-0.401	0.0320	1.531	0.859	0.206	118373	0.226	0.0135	0.056	0.758	0.006	607	11	190	1.001
9/22/2022	14:46:43	-0.442	0.0234	1.531	0.875	0.207	121674	0.228	0.0137	0.057	0.787	0.006	618	11	190	1.001
9/22/2022	14:47:43	-0.464	0.0472	1.370	0.882	0.211	121826	0.231	0.0138	0.057	0.894	0.006	617	11	190	1.001
9/22/2022	14:48:43	-0.485	0.0412	1.619	0.930	0.208	129099	0.234	0.0146	0.060	0.772	0.006	641	11	190	1.001
9/22/2022	14:49:44	-0.392	0.0238	1.536	0.920	0.208	125008	0.229	0.0144	0.061	0.897	0.006	623	11	190	1.001
9/22/2022	14:50:43	-0.447	0.0302	1.231	0.856	0.211	117953	0.228	0.0134	0.056	0.754	0.006	601	11	190	1.001

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp (C)	Press (atm)
9/22/2022	14:51:43	-0.443	0.0351	1.105	0.864	0.209	117712	0.225	0.0134	0.054	0.735	0.006	601	11	190	1.001
9/22/2022	14:52:43	-0.507	0.0182	1.172	0.901	0.204	130870	0.241	0.0142	0.060	0.701	0.006	659	11	190	1.001
9/22/2022	14:53:43	-0.541	0.0590	0.994	0.900	0.208	129531	0.239	0.0145	0.059	0.684	0.006	645	11	190	1.001
9/22/2022	14:54:43	-0.463	0.0300	0.905	0.896	0.207	120884	0.227	0.0138	0.056	0.907	0.006	605	11	190	1.001
9/22/2022	14:55:43	-0.557	0.0376	0.811	0.856	0.205	138324	0.245	0.0152	0.063	0.749	0.007	671	11	190	1.001
9/22/2022	14:56:43	-0.444	0.0273	0.461	0.880	0.087	124111	0.232	0.0142	0.056	0.790	0.006	619	11	190	0.995
9/22/2022	14:57:43	-0.351	0.0157	0.045	0.887	0.010	129767	0.236	0.0141	0.058	0.676	0.006	636	11	190	0.992
9/22/2022	14:58:43	-0.393	0.0192	0.019	0.877	0.010	140791	0.251	0.0150	0.063	0.705	0.007	679	11	190	0.992
9/22/2022	14:59:43	-0.341	-0.0068	0.017	0.929	0.010	131259	0.239	0.0145	0.060	0.745	0.006	645	11	190	0.992
9/22/2022	15:00:43	-0.379	0.0278	0.016	0.897	0.016	133058	0.242	0.0147	0.059	0.696	0.006	650	11	190	0.992
9/22/2022	15:01:43	-0.334	0.0185	-0.012	0.893	0.012	126600	0.232	0.0143	0.058	0.708	0.006	621	11	190	0.992
9/22/2022	15:02:43	-0.338	0.0165	0.009	0.849	0.011	120673	0.228	0.0135	0.055	0.692	0.006	601	11	190	0.992
9/22/2022	15:03:43	-0.345	0.0229	-0.023	0.836	0.015	116071	0.223	0.0133	0.053	0.691	0.006	583	11	190	0.992
9/22/2022	15:04:43	-0.342	0.0213	-0.018	0.947	0.012	130475	0.237	0.0147	0.059	0.784	0.006	634	11	190	0.992
9/22/2022	15:05:43	-0.410	0.0500	-0.033	0.888	0.014	135829	0.243	0.0155	0.060	0.692	0.006	654	11	190	0.992
9/22/2022	15:06:43	-0.418	0.0290	-0.013	0.879	0.014	140332	0.250	0.0152	0.062	0.736	0.007	676	11	190	0.992
9/22/2022	15:07:43	-0.389	0.0258	-0.024	0.837	0.013	108985	0.210	0.0136	0.052	0.605	0.005	546	11	190	0.991
9/22/2022	15:08:43	-0.119	0.0112	-0.004	0.011	0.003	127	0.032	0.0036	0.008	0.012	0.000	7	15	190	0.989
9/22/2022	15:09:43	-0.115	0.0096	-0.010	0.014	0.002	4	0.031	0.0034	0.008	0.011	0.000	0	15	190	0.989
9/22/2022	15:10:43	-0.118	0.0056	-0.007	0.012	0.002	-38	0.031	0.0037	0.008	0.012	0.000	0	15	190	0.989
9/22/2022	15:11:43	-0.110	0.0078	-0.004	0.033	0.002	-35	0.031	0.0034	0.008	0.013	0.000	0	16	190	0.989
9/22/2022	15:12:43	-0.125	0.0113	0.016	0.020	0.002	-26	0.033	0.0038	0.008	0.013	0.000	0	16	190	0.989
9/22/2022	15:13:44	-0.119	0.0097	-0.010	0.029	0.002	-17	0.033	0.0032	0.007	0.014	0.000	0	16	190	0.989
9/22/2022	15:14:44	-0.108	0.0083	-0.007	0.000	0.002	75	0.031	0.0023	0.006	0.006	0.000	0	15	190	0.989
9/22/2022	15:18:19	0.024	0.0092	-0.009	-0.010	0.000	16	0.005	0.0021	0.005	0.005	0.000	0	15	190	0.989
9/22/2022	15:19:19	0.025	-0.0114	-0.018	-0.008	0.000	-11	0.006	0.0020	0.004	0.006	0.000	0	15	190	0.989
Zero Check																
9/22/2022	15:20:18	0.000	0.0077	-0.003	-0.004	0.000	8	0.005	0.0020	0.004	0.005	0.000	0	15	190	0.989
9/22/2022	15:21:18	-0.424	0.0468	1.192	-0.998	-0.008	24564	0.645	0.0058	0.021	0.607	0.015	60	13	190	0.996
9/22/2022	15:22:18	-0.013	0.0096	0.903	0.097	0.004	19763	0.045	0.0050	0.014	0.167	0.001	93	13	190	1.001
9/22/2022	15:23:18	0.041	0.0056	0.617	0.035	0.004	11415	0.032	0.0039	0.010	0.114	0.001	55	14	190	1.001
9/22/2022	15:24:18	-0.037	-0.0001	0.509	0.024	0.001	8109	0.026	0.0037	0.009	0.088	0.001	37	14	190	1.001
Method 301 Validation CH2O																
9/22/2022	15:25:18	-0.022	0.0114	0.409	0.007	0.000	3757	0.020	0.0029	0.006	0.049	0.001	20	15	190	1.001
9/22/2022	15:26:18	0.050	0.0020	0.290	-0.139	0.000	1884	0.020	0.0026	0.006	0.021	0.001	8	15	190	1.001
9/22/2022	15:27:18	0.468	0.0231	0.168	-2.100	0.060	85766	0.520	0.0109	0.052	1.159	0.012	338	11	190	0.992
9/22/2022	15:28:19	-0.181	0.0109	0.063	0.684	0.022	87281	0.193	0.0109	0.041	0.638	0.004	438	11	190	0.991
9/22/2022	15:29:18	-0.300	0.0293	0.036	0.731	0.018	129462	0.233	0.0148	0.058	0.744	0.006	610	11	190	0.991
9/22/2022	15:30:18	-0.214	0.0255	0.019	0.809	0.019	124334	0.225	0.0146	0.056	0.658	0.006	600	11	190	0.991
9/22/2022	15:31:18	-0.227	0.0138	-0.005	0.882	0.018	140127	0.240	0.0156	0.063	0.730	0.006	660	11	190	0.991
9/22/2022	15:32:18	-0.210	0.0088	-0.009	0.883	0.015	139081	0.238	0.0157	0.063	0.759	0.006	654	11	190	0.992
9/22/2022	15:33:18	-0.253	0.0126	-0.038	0.821	0.015	150012	0.253	0.0163	0.067	0.741	0.007	700	11	190	0.993

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp (C)	Press (atm)
9/22/2022	15:34:18	-0.245	0.0131	-0.036	0.828	0.017	142969	0.245	0.0158	0.064	0.722	0.007	673	11	190	0.993
9/22/2022	15:35:18	-0.242	0.0204	-0.045	0.832	0.019	135632	0.238	0.0151	0.061	0.678	0.006	648	11	190	0.993
9/22/2022	15:36:18	-0.219	0.0322	-0.053	0.820	0.019	131229	0.232	0.0147	0.060	0.801	0.006	629	11	190	0.993
9/22/2022	15:37:18	-0.218	0.0269	-0.028	0.824	0.012	131914	0.233	0.0148	0.059	0.660	0.006	634	11	190	0.993
9/22/2022	15:38:20	-0.279	0.0485	0.233	0.808	0.137	112655	0.211	0.0130	0.052	0.637	0.005	556	11	190	0.996
9/22/2022	15:39:18	-0.333	0.1052	0.897	0.738	0.325	91909	0.202	0.0119	0.043	0.572	0.005	482	11	190	1.001
9/22/2022	15:40:18	-0.382	0.0930	0.928	0.773	0.324	105391	0.202	0.0127	0.050	0.607	0.005	534	11	190	1.001
9/22/2022	15:41:18	-0.409	0.1277	1.046	0.812	0.326	117672	0.219	0.0138	0.055	0.675	0.006	583	11	190	1.001
9/22/2022	15:42:18	-0.425	0.1208	1.077	0.806	0.327	120293	0.219	0.0141	0.056	0.695	0.006	589	11	190	1.001
9/22/2022	15:43:18	-0.395	0.0981	1.026	0.823	0.326	120750	0.221	0.0139	0.058	0.737	0.006	592	11	190	1.001
9/22/2022	15:44:18	-0.481	0.1000	0.964	0.841	0.327	121581	0.221	0.0142	0.056	0.716	0.006	593	11	190	1.001
9/22/2022	15:45:18	-0.461	0.0861	0.912	0.888	0.327	124903	0.225	0.0142	0.059	0.893	0.006	605	11	190	1.001
9/22/2022	15:46:18	-0.504	0.0846	0.799	0.793	0.329	110194	0.208	0.0131	0.051	0.631	0.005	556	11	190	1.001
9/22/2022	15:47:18	-0.472	0.0882	0.787	0.889	0.329	116844	0.214	0.0138	0.054	0.774	0.006	573	11	190	1.001
9/22/2022	15:48:18	-0.425	0.0856	0.757	0.840	0.324	125504	0.226	0.0142	0.059	0.731	0.006	610	11	190	1.001
9/22/2022	15:49:20	-0.412	0.0297	0.664	0.842	0.327	111210	0.207	0.0132	0.055	0.692	0.005	557	11	190	1.001
9/22/2022	15:50:18	-0.497	0.0765	0.666	0.878	0.327	122559	0.222	0.0143	0.057	0.783	0.006	597	11	190	1.001
9/22/2022	15:51:19	-0.476	0.0950	0.643	0.864	0.327	120583	0.219	0.0138	0.055	0.782	0.006	592	11	190	1.001
9/22/2022	15:52:18	-0.433	0.0693	0.454	0.872	0.214	130644	0.232	0.0149	0.059	0.689	0.006	630	11	190	0.996
9/22/2022	15:53:18	-0.214	0.0144	0.039	0.898	0.012	125391	0.229	0.0140	0.057	0.868	0.006	612	11	190	0.991
9/22/2022	15:54:18	-0.238	0.0164	0.050	0.878	0.008	138080	0.242	0.0157	0.061	0.708	0.007	661	11	190	0.991
9/22/2022	15:55:18	-0.233	**0.0145**	-0.027	0.872	**0.014**	126542	0.233	0.0141	0.058	0.856	0.006	620	11	190	0.991
9/22/2022	15:56:18	-0.194	**-0.0052**	0.018	0.857	**0.008**	132999	0.237	0.0146	0.060	0.682	0.006	646	11	190	0.991
9/22/2022	15:57:18	-0.208	-0.0018	0.009	0.859	0.009	124418	0.228	0.0140	0.056	0.760	0.006	612	11	190	0.991
9/22/2022	15:58:18	-0.242	0.0326	-0.016	0.830	0.013	129036	0.232	0.0143	0.058	0.648	0.006	629	11	190	0.991
9/22/2022	15:59:18	-0.255	0.0264	0.000	0.848	0.011	132027	0.237	0.0146	0.059	0.662	0.006	643	11	190	0.991
9/22/2022	16:00:18	-0.213	0.0076	0.032	0.790	0.062	114217	0.218	0.0128	0.052	0.663	0.006	579	11	190	0.996
9/22/2022	16:01:18	-0.485	0.0784	0.366	0.821	0.334	115225	0.216	0.0132	0.054	0.701	0.005	571	11	190	1.001
9/22/2022	16:02:18	-0.405	**0.0785**	0.396	0.820	**0.335**	116222	0.216	0.0130	0.055	0.732	0.005	576	11	190	1.001
9/22/2022	16:03:18	-0.426	**0.0759**	0.410	0.891	**0.332**	126303	0.230	0.0140	0.059	0.735	0.006	619	11	190	1.001
9/22/2022	16:04:18	-0.426	0.0560	0.403	0.860	0.328	124717	0.230	0.0135	0.059	0.693	0.006	619	11	190	1.001
9/22/2022	16:05:18	-0.317	0.0449	0.133	0.889	0.093	127885	0.234	0.0138	0.058	0.713	0.006	640	11	190	0.993
9/22/2022	16:06:18	-0.235	0.0136	0.008	0.891	0.013	120880	0.231	0.0128	0.055	0.848	0.006	616	11	190	0.991
9/22/2022	16:07:18	-0.264	0.0148	-0.021	0.883	0.012	139994	0.253	0.0142	0.063	0.736	0.007	695	11	190	0.991
9/22/2022	16:08:18	-0.256	0.0230	0.005	0.883	0.012	136027	0.250	0.0136	0.060	0.710	0.007	682	11	190	0.991
9/22/2022	16:09:18	-0.274	0.0343	-0.009	0.858	0.013	128005	0.242	0.0133	0.056	0.679	0.006	649	11	190	0.991
9/22/2022	16:10:18	-0.285	**0.0142**	-0.033	0.888	**0.013**	134752	0.248	0.0140	0.061	0.737	0.007	673	11	190	0.991
9/22/2022	16:11:18	-0.247	**0.0168**	-0.024	0.874	**0.012**	122705	0.235	0.0129	0.056	0.832	0.006	628	11	190	0.991
9/22/2022	16:12:18	-0.248	0.0197	-0.011	0.874	0.012	133560	0.246	0.0135	0.060	0.720	0.007	671	11	190	0.991
9/22/2022	16:13:18	-0.220	0.0039	-0.020	0.933	0.010	137278	0.248	0.0141	0.062	0.846	0.007	682	11	190	0.991
9/22/2022	16:14:18	-0.414	0.0571	0.218	0.849	0.298	123495	0.231	0.0130	0.057	0.854	0.006	625	11	190	1.000
9/22/2022	16:15:18	-0.453	0.0813	0.282	0.843	0.336	121731	0.231	0.0127	0.057	0.840	0.006	623	11	190	1.001

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp (C)	Press (atm)
9/22/2022	16:16:18	-0.383	0.0572	0.303	0.901	0.333	125485	0.232	0.0134	0.059	0.803	0.006	629	11	190	1.001
9/22/2022	16:17:18	-0.401	0.0709	0.295	0.900	0.331	119883	0.227	0.0127	0.055	0.916	0.006	610	11	190	1.001
9/22/2022	16:18:19	-0.460	0.0837	0.304	0.876	0.333	122818	0.229	0.0135	0.056	0.837	0.006	619	11	190	1.001
9/22/2022	16:19:18	-0.435	0.1062	0.310	0.881	0.333	130479	0.235	0.0143	0.058	0.743	0.006	643	11	190	1.001
9/22/2022	16:20:20	-0.359	**0.0633**	0.309	0.876	**0.330**	120417	0.224	0.0131	0.055	0.881	0.006	606	11	190	1.001
9/22/2022	16:21:18	-0.506	**0.0630**	0.305	0.853	**0.330**	120223	0.224	0.0129	0.055	0.795	0.006	607	11	190	1.001
9/22/2022	16:22:18	-0.450	0.0726	0.297	0.846	0.329	122827	0.227	0.0132	0.056	0.834	0.006	621	11	190	1.001
9/22/2022	16:23:18	-0.320	0.0238	0.108	0.892	0.115	134390	0.242	0.0141	0.062	0.716	0.006	663	11	190	0.993
9/22/2022	16:24:19	-0.249	0.0087	0.017	0.871	0.011	131751	0.238	0.0139	0.059	0.709	0.006	651	11	190	0.991
9/22/2022	16:25:18	-0.227	0.0061	0.001	0.927	0.011	131339	0.238	0.0138	0.060	0.781	0.006	649	11	190	0.991
9/22/2022	16:26:18	-0.266	0.0351	-0.030	0.884	0.013	134754	0.244	0.0145	0.061	0.704	0.006	663	11	190	0.991
9/22/2022	16:27:18	-0.244	0.0144	0.005	0.809	0.010	121686	0.229	0.0134	0.054	0.689	0.006	612	11	190	0.991
9/22/2022	16:28:18	-0.208	0.0116	-0.007	0.812	0.012	117398	0.224	0.0129	0.053	0.676	0.006	594	11	190	0.991
9/22/2022	16:29:18	-0.208	**0.0081**	-0.009	0.837	**0.012**	117635	0.223	0.0130	0.053	0.720	0.006	593	11	190	0.991
9/22/2022	16:30:18	-0.176	**-0.0128**	-0.013	0.887	**0.006**	130805	0.234	0.0144	0.061	0.724	0.006	642	11	190	0.991
9/22/2022	16:31:18	-0.193	-0.0016	-0.034	0.858	0.014	120621	0.230	0.0129	0.056	0.654	0.006	612	11	190	0.991
9/22/2022	16:32:18	-0.200	0.0242	-0.030	0.828	0.013	121339	0.227	0.0132	0.056	0.739	0.006	605	11	190	0.991
9/22/2022	16:33:19	-0.321	0.0310	0.117	0.832	0.230	120930	0.221	0.0135	0.056	0.739	0.006	601	11	190	0.997
9/22/2022	16:34:18	-0.466	**0.0786**	0.210	0.828	**0.331**	127716	0.234	0.0138	0.058	0.885	0.006	633	11	190	1.001
9/22/2022	16:35:18	-0.408	**0.0588**	0.225	0.793	**0.330**	117477	0.220	0.0130	0.054	0.697	0.006	594	11	190	1.001
9/22/2022	16:36:18	-0.501	0.0815	0.247	0.830	0.332	122641	0.225	0.0136	0.056	0.740	0.006	607	11	190	1.001
9/22/2022	16:37:20	-0.489	0.0691	0.242	0.801	0.336	115685	0.218	0.0128	0.053	0.687	0.006	583	11	190	1.001
9/22/2022	16:38:18	-0.454	0.0481	0.171	0.804	0.231	120871	0.224	0.0134	0.056	0.700	0.006	601	11	190	0.997
9/22/2022	16:39:18	-0.216	0.0057	0.018	0.855	0.012	124427	0.230	0.0135	0.057	0.741	0.006	619	11	190	0.992
9/22/2022	16:40:18	-0.270	0.0134	0.006	0.821	0.012	125397	0.231	0.0140	0.056	0.719	0.006	620	11	190	0.992
9/22/2022	16:41:18	-0.246	**0.0137**	-0.010	0.859	**0.010**	141314	0.246	0.0153	0.064	0.688	0.007	674	11	190	0.992
9/22/2022	16:42:18	-0.239	**-0.0012**	-0.020	0.832	**0.011**	134837	0.240	0.0144	0.060	0.676	0.006	657	11	190	0.992
9/22/2022	16:43:18	-0.220	0.0037	-0.012	0.839	0.011	125651	0.229	0.0142	0.057	0.744	0.006	613	11	190	0.992
9/22/2022	16:44:18	-0.251	0.0197	-0.007	0.848	0.013	124001	0.228	0.0138	0.056	0.782	0.006	610	11	190	0.992
9/22/2022	16:45:18	-0.332	0.0670	0.039	0.850	0.178	131314	0.235	0.0142	0.060	0.670	0.006	639	11	190	0.996
9/22/2022	16:46:18	-0.454	**0.0595**	0.176	0.795	**0.334**	117138	0.218	0.0137	0.053	0.682	0.006	579	11	190	1.001
9/22/2022	16:47:18	-0.466	**0.0670**	0.220	0.811	**0.328**	125602	0.225	0.0145	0.056	0.721	0.006	610	11	190	1.001
9/22/2022	16:48:18	-0.509	0.0645	0.186	0.759	0.337	114069	0.215	0.0131	0.052	0.632	0.005	571	11	190	1.001
9/22/2022	16:49:18	-0.404	0.0470	0.209	0.781	0.333	113202	0.209	0.0134	0.052	0.639	0.005	558	11	190	1.001
9/22/2022	16:50:18	-0.387	0.0429	0.169	0.849	0.219	139605	0.239	0.0156	0.062	0.856	0.006	658	11	190	0.996
9/22/2022	16:51:18	-0.201	0.0086	-0.004	0.856	0.011	128954	0.229	0.0143	0.059	0.707	0.006	625	11	190	0.993
9/22/2022	16:52:18	-0.202	0.0099	-0.006	0.837	0.011	126770	0.227	0.0145	0.057	0.727	0.006	610	11	190	0.993
9/22/2022	16:53:18	-0.244	0.0160	-0.013	0.820	0.012	132961	0.233	0.0151	0.060	0.809	0.006	631	11	190	0.993
9/22/2022	16:54:18	-0.220	**0.0217**	-0.013	0.831	**0.013**	121869	0.222	0.0142	0.056	0.703	0.006	590	11	190	0.993
9/22/2022	16:55:20	-0.133	**-0.0190**	-0.003	0.779	**0.010**	111800	0.209	0.0133	0.053	0.622	0.005	555	11	190	0.993
9/22/2022	16:56:18	-0.207	0.0131	-0.029	0.801	0.010	123737	0.223	0.0142	0.058	0.683	0.006	594	11	190	0.993
9/22/2022	16:57:18	-0.240	0.0113	-0.045	0.815	0.013	128460	0.228	0.0145	0.059	0.771	0.006	616	11	190	0.993

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp (C)	Press (atm)
9/22/2022	16:58:18	-0.248	0.0256	-0.024	0.801	0.020	140113	0.241	0.0158	0.064	0.668	0.007	658	11	190	0.995
9/22/2022	16:59:18	-0.416	0.0658	0.115	0.779	0.335	120100	0.214	0.0137	0.056	0.667	0.006	581	11	190	1.001
9/22/2022	17:00:18	-0.426	0.0810	0.133	0.773	0.337	116195	0.212	0.0137	0.054	0.682	0.005	568	11	190	1.001
9/22/2022	17:01:18	-0.364	**0.0623**	0.138	0.785	**0.333**	116742	0.213	0.0138	0.056	0.666	0.005	569	11	190	1.001
9/22/2022	17:02:18	-0.494	**0.0575**	0.161	0.791	**0.333**	120965	0.218	0.0141	0.057	0.679	0.006	584	11	190	1.001
9/22/2022	17:03:18	-0.444	0.0875	0.158	0.784	0.335	118286	0.214	0.0139	0.054	0.645	0.005	576	11	190	1.001
9/22/2022	17:04:18	-0.395	0.0562	0.195	0.780	0.333	116154	0.210	0.0136	0.053	0.665	0.005	570	11	190	1.001
9/22/2022	17:05:18	-0.484	0.0839	0.143	0.787	0.335	121344	0.218	0.0146	0.057	0.687	0.006	584	11	190	1.001
9/22/2022	17:06:18	-0.272	0.0188	0.069	0.822	0.115	123375	0.222	0.0143	0.057	0.747	0.006	593	11	190	0.993
9/22/2022	17:07:18	-0.270	0.0292	-0.009	0.816	0.011	140065	0.238	0.0162	0.063	0.656	0.006	651	11	190	0.992
9/22/2022	17:08:18	-0.227	**0.0140**	-0.002	0.832	**0.011**	129960	0.226	0.0152	0.059	0.805	0.006	614	11	190	0.992
9/22/2022	17:09:18	-0.235	**0.0023**	-0.032	0.812	**0.012**	126676	0.227	0.0147	0.058	0.702	0.006	605	11	190	0.992
9/22/2022	17:10:18	-0.224	0.0066	-0.017	0.838	0.008	141744	0.242	0.0160	0.064	0.684	0.007	663	11	190	0.992
9/22/2022	17:11:18	-0.213	-0.0055	-0.004	0.832	0.008	131877	0.229	0.0153	0.060	0.850	0.006	628	11	190	0.992
9/22/2022	17:12:18	-0.262	0.0338	0.029	0.815	0.099	130029	0.229	0.0146	0.059	0.813	0.006	627	11	190	0.994
9/22/2022	17:13:18	-0.410	**0.0680**	0.128	0.778	**0.333**	118938	0.215	0.0140	0.055	0.663	0.005	574	11	190	1.001
9/22/2022	17:14:18	-0.388	**0.0654**	0.130	0.795	**0.332**	120978	0.213	0.0142	0.056	0.677	0.005	578	11	190	1.001
9/22/2022	17:15:18	-0.542	0.0532	0.147	0.771	0.333	117747	0.214	0.0140	0.054	0.646	0.005	573	11	190	1.001
9/22/2022	17:16:19	-0.499	0.0762	0.142	0.798	0.333	122620	0.220	0.0143	0.057	0.717	0.006	589	11	190	1.001
9/22/2022	17:17:18	-0.412	0.0661	0.141	0.796	0.256	118167	0.216	0.0139	0.053	0.666	0.006	576	11	190	0.997
9/22/2022	17:18:18	-0.240	0.0123	0.011	0.836	0.012	136744	0.237	0.0157	0.062	0.668	0.006	645	11	190	0.992
9/22/2022	17:19:18	-0.220	**0.0157**	0.009	0.841	**0.008**	136573	0.235	0.0157	0.061	0.683	0.006	642	11	190	0.992
9/22/2022	17:20:18	-0.195	**-0.0045**	-0.041	0.754	**0.010**	139572	0.239	0.0159	0.065	0.660	0.006	654	11	190	0.992
9/22/2022	17:21:20	-0.210	0.0190	-0.022	0.838	0.011	133781	0.231	0.0152	0.061	0.696	0.006	631	11	190	0.992
9/22/2022	17:22:18	-0.222	0.0174	-0.038	0.882	0.012	137064	0.236	0.0156	0.062	0.755	0.006	642	11	190	0.992
9/22/2022	17:23:18	-0.413	0.0599	0.049	0.788	0.258	128790	0.225	0.0146	0.059	0.770	0.006	615	11	190	0.998
9/22/2022	17:24:19	-0.542	0.0934	0.131	0.783	0.336	126756	0.227	0.0146	0.057	0.766	0.006	608	11	190	1.001
9/22/2022	17:25:18	-0.414	**0.0718**	0.126	0.800	**0.333**	124706	0.222	0.0143	0.057	0.774	0.006	598	11	190	1.001
9/22/2022	17:26:18	-0.471	**0.0598**	0.134	0.821	**0.331**	124243	0.218	0.0146	0.058	0.821	0.006	596	11	190	1.001
9/22/2022	17:27:18	-0.429	0.0564	0.139	0.812	0.331	121948	0.218	0.0143	0.056	0.750	0.006	591	11	190	1.001
9/22/2022	17:28:19	-0.447	0.0759	0.142	0.801	0.334	122126	0.222	0.0141	0.056	0.711	0.006	593	11	190	1.001
9/22/2022	17:29:18	-0.433	0.0726	0.127	0.805	0.330	122830	0.220	0.0143	0.057	0.712	0.006	591	11	190	1.001
9/22/2022	17:30:21	-0.250	0.0303	0.041	0.818	0.053	129999	0.228	0.0148	0.059	0.765	0.006	623	11	190	0.991
9/22/2022	17:31:18	-0.245	0.0226	0.010	0.824	0.010	132960	0.234	0.0149	0.059	0.777	0.006	639	11	190	0.992
9/22/2022	17:32:18	-0.181	-0.0006	-0.015	0.848	0.008	132582	0.231	0.0156	0.061	0.709	0.006	633	11	190	0.992
9/22/2022	17:33:18	-0.213	0.0120	-0.038	0.853	0.013	134865	0.236	0.0149	0.062	0.701	0.006	644	11	190	0.992
9/22/2022	17:34:18	-0.231	0.0137	-0.042	0.852	0.014	132007	0.233	0.0148	0.060	0.692	0.006	634	11	190	0.992
9/22/2022	17:35:18	-0.193	0.0133	-0.047	0.872	0.013	134328	0.236	0.0150	0.062	0.762	0.006	646	11	190	0.992
9/22/2022	17:36:18	-0.232	**0.0125**	0.005	0.827	**0.010**	133297	0.234	0.0151	0.060	0.686	0.006	642	11	190	0.992
9/22/2022	17:37:20	-0.197	**0.0044**	-0.023	0.841	**0.010**	132217	0.231	0.0148	0.060	0.847	0.006	634	11	190	0.992
9/22/2022	17:38:18	-0.187	-0.0087	-0.011	0.755	0.007	135044	0.234	0.0156	0.062	0.644	0.006	644	11	190	0.992
9/22/2022	17:39:18	-0.519	0.0665	0.100	0.790	0.323	123455	0.223	0.0142	0.056	0.744	0.006	603	11	190	1.000

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp (C)	Press (atm)
9/22/2022	17:40:21	-0.484	0.0582	0.086	0.848	0.334	123401	0.225	0.0138	0.057	0.726	0.006	605	11	190	1.001
9/22/2022	17:41:18	-0.438	0.0838	0.125	0.797	0.332	122683	0.224	0.0140	0.056	0.692	0.006	605	11	190	1.001
9/22/2022	17:42:18	-0.370	**0.0630**	0.119	0.806	**0.332**	122289	0.223	0.0137	0.056	0.753	0.006	597	11	190	1.001
9/22/2022	17:43:18	-0.456	**0.0611**	0.121	0.830	**0.333**	122567	0.221	0.0139	0.057	0.785	0.006	601	11	190	1.001
9/22/2022	17:44:18	-0.492	0.0831	0.122	0.819	0.332	122728	0.221	0.0140	0.056	0.758	0.006	597	11	190	1.001
9/22/2022	17:45:18	-0.472	0.0905	0.142	0.814	0.333	122668	0.226	0.0140	0.055	0.769	0.006	605	11	190	1.001
9/22/2022	17:46:18	-0.354	0.0461	0.103	0.816	0.230	125313	0.227	0.0140	0.057	0.819	0.006	615	11	190	0.997
9/22/2022	17:47:18	-0.219	0.0165	0.016	0.852	0.011	131801	0.235	0.0143	0.059	0.678	0.006	642	11	190	0.991
9/22/2022	17:48:18	-0.228	**0.0015**	-0.019	0.888	**0.012**	132877	0.237	0.0145	0.061	0.763	0.006	648	11	190	0.991
9/22/2022	17:49:18	-0.211	**0.0051**	-0.028	0.932	**0.014**	132610	0.237	0.0144	0.061	0.823	0.006	646	11	190	0.991
9/22/2022	17:50:18	-0.235	0.0203	-0.021	0.863	0.014	131903	0.240	0.0140	0.060	0.683	0.006	655	11	190	0.991
9/22/2022	17:51:18	-0.316	0.0325	0.004	0.815	0.147	127209	0.231	0.0142	0.059	0.809	0.006	624	11	190	0.996
9/22/2022	17:52:18	-0.498	0.0632	0.085	0.814	0.331	121579	0.229	0.0128	0.056	0.774	0.006	618	11	190	1.001
9/22/2022	17:53:18	-0.393	**0.0578**	0.087	0.868	**0.334**	121499	0.226	0.0132	0.057	0.848	0.006	605	11	190	1.001
9/22/2022	17:54:18	-0.471	**0.0688**	0.105	0.793	**0.331**	121489	0.222	0.0133	0.055	0.788	0.006	607	11	190	1.001
9/22/2022	17:55:18	-0.469	0.0803	0.112	0.844	0.337	121664	0.224	0.0135	0.056	0.875	0.006	601	11	190	1.001
9/22/2022	17:56:18	-0.424	0.0671	0.116	0.820	0.333	121590	0.224	0.0135	0.056	0.733	0.006	602	11	190	1.001
9/22/2022	17:57:18	-0.529	0.0725	0.122	0.808	0.333	121731	0.225	0.0133	0.055	0.737	0.006	603	11	190	1.001
9/22/2022	17:58:18	-0.206	0.0058	0.018	0.882	0.032	131326	0.230	0.0149	0.061	0.707	0.006	628	11	190	0.991
9/22/2022	17:59:20	-0.243	0.0140	-0.011	0.833	0.014	131886	0.230	0.0152	0.060	0.650	0.006	624	11	190	0.991
9/22/2022	18:00:18	-0.222	**0.0037**	0.018	0.843	**0.009**	131078	0.226	0.0154	0.059	0.751	0.006	618	11	190	0.991
9/22/2022	18:01:18	-0.228	**0.0155**	-0.018	0.852	**0.012**	131951	0.228	0.0154	0.059	0.676	0.006	619	11	190	0.991
9/22/2022	18:02:18	-0.244	0.0196	-0.031	0.819	0.013	131191	0.228	0.0152	0.059	0.770	0.006	618	11	190	0.991
9/22/2022	18:03:18	-0.239	0.0387	-0.033	0.885	0.014	131951	0.228	0.0156	0.060	0.739	0.006	617	11	190	0.991
9/22/2022	18:04:19	-0.223	0.0118	-0.030	0.859	0.012	131598	0.227	0.0152	0.060	0.693	0.006	618	11	190	0.991
9/22/2022	18:05:18	-0.413	0.0484	0.112	0.794	0.318	122340	0.218	0.0147	0.055	0.667	0.006	586	11	190	1.000
9/22/2022	18:06:18	-0.439	0.0779	0.064	0.812	0.335	121706	0.215	0.0148	0.057	0.863	0.006	579	11	190	1.001
9/22/2022	18:07:18	-0.433	0.0823	0.079	0.844	0.337	121946	0.218	0.0144	0.057	0.793	0.006	584	11	190	1.001
9/22/2022	18:08:18	-0.490	0.0797	0.091	0.848	0.336	121836	0.219	0.0147	0.057	0.880	0.006	585	11	190	1.001
9/22/2022	18:09:18	-0.404	**0.0653**	0.085	0.818	**0.334**	121752	0.216	0.0146	0.057	0.755	0.006	580	11	190	1.001
9/22/2022	18:10:18	-0.426	**0.0557**	0.102	0.846	**0.331**	121888	0.217	0.0141	0.056	0.831	0.006	588	11	190	1.001
9/22/2022	18:11:18	-0.439	0.0615	0.109	0.821	0.330	121603	0.217	0.0141	0.056	0.732	0.006	586	11	190	1.001
9/22/2022	18:12:18	-0.425	0.0375	0.071	0.829	0.222	124789	0.222	0.0145	0.058	0.774	0.006	597	11	190	0.996
9/22/2022	18:13:18	-0.252	0.0257	-0.023	0.919	0.016	132648	0.232	0.0156	0.060	0.785	0.006	627	11	190	0.991
9/22/2022	18:14:18	-0.203	0.0114	-0.006	0.880	0.011	130846	0.229	0.0150	0.060	0.897	0.006	627	11	190	0.991
9/22/2022	18:15:18	-0.235	0.0246	-0.035	0.866	0.014	131934	0.232	0.0149	0.061	0.694	0.006	630	11	190	0.991
9/22/2022	18:16:18	-0.230	0.0172	-0.032	0.838	0.013	131217	0.231	0.0148	0.060	0.664	0.006	628	11	190	0.991
9/22/2022	18:17:18	-0.203	0.0105	-0.014	0.765	0.011	130988	0.229	0.0149	0.060	0.641	0.006	625	11	190	0.991
9/22/2022	18:18:18	-0.227	0.0119	-0.022	0.789	0.012	132319	0.232	0.0151	0.060	0.634	0.006	631	11	190	0.991
9/22/2022	18:19:18	-0.257	0.0211	-0.023	0.865	0.013	131521	0.230	0.0151	0.059	0.860	0.006	626	11	190	0.991
9/22/2022	18:20:19	-0.218	**0.0024**	-0.026	0.842	**0.013**	131242	0.233	0.0144	0.060	0.718	0.006	636	11	190	0.991
9/22/2022	18:21:18	-0.255	**0.0178**	-0.027	0.808	**0.013**	131603	0.231	0.0151	0.060	0.658	0.006	626	11	190	0.991

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp (C)	Press (atm)
9/22/2022	18:22:18	-0.214	0.0097	-0.036	0.865	0.012	131857	0.234	0.0144	0.060	0.732	0.006	641	11	190	0.991
9/22/2022	18:23:21	-0.342	0.0454	-0.002	0.865	0.164	126038	0.230	0.0143	0.057	0.728	0.006	618	11	190	0.998
9/22/2022	18:24:18	-0.466	0.0461	0.087	0.805	0.333	121216	0.218	0.0137	0.057	0.753	0.006	597	11	190	1.001
9/22/2022	18:25:18	-0.430	0.0767	0.069	0.869	0.333	121308	0.219	0.0139	0.056	0.825	0.006	596	11	190	1.001
9/22/2022	18:26:18	-0.500	0.0868	0.086	0.805	0.335	121583	0.221	0.0138	0.055	0.716	0.006	599	11	190	1.001
9/22/2022	18:27:18	-0.438	0.0719	0.090	0.837	0.333	121585	0.220	0.0136	0.057	0.830	0.006	598	11	190	1.001
9/22/2022	18:28:18	-0.413	0.0645	0.096	0.760	0.332	121846	0.222	0.0141	0.056	0.790	0.006	597	11	190	1.001
9/22/2022	18:29:18	-0.513	0.0844	0.105	0.812	0.333	121724	0.221	0.0139	0.055	0.728	0.006	596	11	190	1.001
9/22/2022	18:30:21	-0.405	0.0702	0.055	0.872	0.334	121345	0.223	0.0139	0.058	0.966	0.006	597	11	190	1.001
9/22/2022	18:31:18	-0.464	0.0743	0.118	0.792	0.331	121701	0.223	0.0141	0.055	0.725	0.006	599	11	190	1.001
9/22/2022	18:32:18	-0.481	0.0990	0.073	0.803	0.334	121540	0.225	0.0140	0.055	0.748	0.006	603	11	190	1.001
9/22/2022	18:33:18	-0.475	0.0484	0.076	0.838	0.329	121063	0.220	0.0134	0.056	0.818	0.006	602	11	190	1.001
9/22/2022	18:34:18	-0.522	0.0736	0.104	0.809	0.329	120764	0.221	0.0137	0.054	0.769	0.006	598	11	190	1.001
9/22/2022	18:35:18	-0.394	0.0503	0.095	0.841	0.327	121116	0.220	0.0137	0.056	0.751	0.006	601	11	190	1.001
9/22/2022	18:36:18	-0.481	0.0863	0.076	0.817	0.332	121194	0.227	0.0134	0.055	0.751	0.006	605	11	190	1.001
9/22/2022	18:37:18	-0.466	**0.0701**	0.108	0.831	**0.329**	121046	0.224	0.0135	0.055	0.816	0.006	604	11	190	1.001
9/22/2022	18:38:18	-0.514	**0.0596**	0.045	0.857	**0.331**	121831	0.222	0.0139	0.058	0.893	0.006	601	11	190	1.001
9/22/2022	18:39:18	-0.504	0.0724	0.055	0.804	0.331	122182	0.221	0.0141	0.057	0.771	0.006	592	11	190	1.001
9/22/2022	18:40:18	-0.513	0.0613	0.083	0.813	0.330	121662	0.218	0.0140	0.056	0.738	0.006	586	11	190	1.001
9/22/2022	18:41:18	-0.291	0.0330	0.009	0.863	0.068	127969	0.228	0.0153	0.058	0.760	0.006	606	11	190	0.992
9/22/2022	18:42:18	-0.232	0.0258	0.008	0.814	0.011	131553	0.226	0.0159	0.059	0.685	0.006	612	11	190	0.992
9/22/2022	18:43:18	-0.177	0.0180	-0.027	0.769	0.012	130004	0.224	0.0156	0.059	0.796	0.006	607	11	190	0.991
9/22/2022	18:44:18	-0.208	0.0175	-0.037	0.835	0.013	131529	0.228	0.0155	0.060	0.728	0.006	617	11	190	0.991
9/22/2022	18:45:18	-0.229	**0.0101**	-0.013	0.832	**0.012**	130878	0.227	0.0152	0.058	0.846	0.006	616	11	190	0.991
9/22/2022	18:46:18	-0.223	**0.0103**	-0.008	0.857	**0.014**	131733	0.230	0.0153	0.060	0.674	0.006	624	11	190	0.991
9/22/2022	18:47:18	-0.201	0.0078	0.010	0.768	0.009	130014	0.224	0.0153	0.059	0.631	0.006	612	11	190	0.991
9/22/2022	18:48:18	-0.331	0.0500	0.038	0.835	0.133	126385	0.225	0.0149	0.057	0.768	0.006	611	11	190	0.995
9/22/2022	18:49:18	-0.431	0.0465	0.056	0.819	0.330	119829	0.213	0.0142	0.056	0.744	0.006	576	11	190	1.001
9/22/2022	18:50:18	-0.493	0.0866	0.065	0.838	0.333	120227	0.219	0.0141	0.055	0.901	0.006	579	11	190	1.001
9/22/2022	18:51:18	-0.473	**0.0586**	0.084	0.762	**0.328**	120250	0.215	0.0143	0.056	0.699	0.006	580	11	190	1.001
9/22/2022	18:52:18	-0.490	**0.0703**	0.070	0.774	**0.333**	120568	0.217	0.0140	0.056	0.872	0.006	583	11	190	1.001
9/22/2022	18:53:18	-0.464	0.0772	0.066	0.769	0.333	120347	0.219	0.0139	0.056	0.734	0.006	583	11	190	1.001
9/22/2022	18:54:18	-0.417	0.0605	0.075	0.775	0.328	120087	0.217	0.0138	0.055	0.693	0.006	585	11	190	1.000
9/22/2022	18:55:18	-0.241	0.0191	0.018	0.877	0.017	129071	0.229	0.0145	0.058	0.886	0.006	622	11	190	0.990
9/22/2022	18:56:18	-0.184	-0.0119	-0.007	0.774	0.010	128998	0.229	0.0146	0.060	0.636	0.006	625	11	190	0.990
9/22/2022	18:57:18	-0.269	0.0153	0.005	0.842	0.010	133569	0.234	0.0153	0.060	0.726	0.006	640	11	190	0.989
9/22/2022	18:58:18	-0.204	**-0.0171**	-0.028	0.905	**0.011**	129168	0.232	0.0143	0.059	0.897	0.006	629	11	190	0.990
9/22/2022	18:59:18	-0.224	**0.0036**	-0.020	0.868	**0.012**	131756	0.234	0.0147	0.059	0.729	0.006	636	11	190	0.989
9/22/2022	19:00:18	-0.220	0.0226	-0.021	0.783	0.013	130444	0.232	0.0148	0.059	0.637	0.006	627	11	190	0.990
9/22/2022	19:01:18	-0.217	0.0030	-0.020	0.790	0.011	129823	0.231	0.0147	0.059	0.656	0.006	627	11	190	0.990
9/22/2022	19:02:18	-0.286	0.0154	0.002	0.774	0.140	127466	0.231	0.0138	0.058	0.646	0.006	625	11	190	0.994
9/22/2022	19:03:18	-0.383	0.0738	0.062	0.800	0.327	119416	0.221	0.0134	0.055	0.736	0.006	595	11	190	1.001

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp (C)	Press (atm)
9/22/2022	19:04:18	-0.379	0.0554	0.086	0.829	0.327	119317	0.220	0.0135	0.055	0.813	0.006	595	11	190	1.001
9/22/2022	19:05:19	-0.457	**0.0604**	0.098	0.785	**0.329**	118913	0.220	0.0138	0.054	0.730	0.006	590	11	190	1.001
9/22/2022	19:06:18	-0.483	**0.0609**	0.076	0.779	**0.327**	118868	0.221	0.0133	0.054	0.675	0.006	597	11	190	1.001
9/22/2022	19:07:18	-0.467	0.0605	0.076	0.820	0.331	118608	0.221	0.0133	0.054	0.773	0.006	594	11	190	1.001
9/22/2022	19:08:18	-0.319	0.0217	0.019	0.812	0.121	125015	0.233	0.0134	0.057	0.643	0.006	625	11	190	0.991
9/22/2022	19:09:18	-0.227	0.0028	-0.021	0.878	0.011	132135	0.235	0.0146	0.060	0.693	0.006	640	11	190	0.989
9/22/2022	19:10:18	-0.236	-0.0007	-0.011	0.875	0.011	129099	0.227	0.0148	0.059	0.751	0.006	615	11	190	0.989
9/22/2022	19:11:18	-0.249	0.0230	0.013	0.824	0.008	134135	0.232	0.0158	0.060	0.690	0.006	629	11	190	0.989
9/22/2022	19:12:18	-0.248	0.0171	-0.026	0.847	0.012	129334	0.227	0.0152	0.059	0.821	0.006	613	11	190	0.989
9/22/2022	19:13:18	-0.246	0.0148	-0.005	0.844	0.011	127434	0.227	0.0149	0.057	0.849	0.006	606	11	190	0.989
9/22/2022	19:14:18	-0.383	0.0382	0.020	0.794	0.247	120157	0.213	0.0147	0.055	0.727	0.006	571	11	190	0.999
9/22/2022	19:15:21	-0.449	0.0501	0.053	0.822	0.326	117556	0.214	0.0140	0.056	0.784	0.005	565	11	190	1.001
9/22/2022	19:16:18	-0.421	0.0682	0.026	0.825	0.331	117832	0.214	0.0142	0.055	0.753	0.005	569	11	190	1.001
9/22/2022	19:17:18	-0.414	0.0610	0.078	0.778	0.325	118120	0.211	0.0144	0.054	0.698	0.006	569	11	190	1.001
9/22/2022	19:18:18	-0.445	0.0690	0.047	0.789	0.327	118099	0.214	0.0139	0.055	0.694	0.005	571	11	190	1.001
9/22/2022	19:19:18	-0.462	0.0654	0.066	0.795	0.327	117734	0.207	0.0141	0.054	0.722	0.005	564	11	190	1.001
9/22/2022	19:20:18	-0.505	0.0839	0.076	0.780	0.326	117205	0.213	0.0140	0.054	0.659	0.005	565	11	190	1.001
9/22/2022	19:21:18	-0.480	0.0741	0.084	0.790	0.324	116936	0.209	0.0142	0.054	0.657	0.005	564	11	190	1.001
9/22/2022	19:22:18	-0.447	0.0704	0.032	0.856	0.332	116718	0.213	0.0143	0.055	0.809	0.005	566	11	190	1.001
9/22/2022	19:23:18	25.332	0.0746	0.042	0.488	0.341	63984	0.213	0.0093	0.036	0.380	0.006	350	12	190	1.002
9/22/2022	19:24:18	95.070	-0.0064	-0.006	0.028	0.016	4918	0.070	0.0029	0.007	0.085	0.003	76	14	190	1.002
9/22/2022	19:25:19	97.226	-0.0108	0.000	-0.101	0.003	1237	0.080	0.0026	0.006	0.017	0.006	23	15	190	1.002
9/22/2022	19:26:19	97.373	0.0124	-0.007	-0.064	0.005	451	0.079	0.0024	0.005	0.011	0.006	11	15	190	1.002
9/22/2022	19:27:18	97.216	0.0064	-0.003	-0.036	0.003	161	0.078	0.0024	0.006	0.011	0.006	6	15	190	1.002
9/22/2022	19:28:18	97.520	0.0022	-0.009	-0.026	0.004	174	0.076	0.0023	0.005	0.010	0.006	4	15	190	1.002
9/22/2022	19:29:18	97.668	0.0042	-0.004	-0.017	0.005	143	0.077	0.0022	0.005	0.009	0.006	4	15	190	1.002
System CTS		**97.668**														
9/22/2022	19:30:18	8.098	0.0081	-0.002	-0.017	0.009	150	0.037	0.0022	0.005	0.009	0.002	1	15	190	1.002
9/22/2022	19:31:18	0.094	0.0134	-0.010	-0.028	0.000	128	0.024	0.0022	0.005	0.010	0.000	1	15	190	1.001
9/22/2022	19:32:18	0.011	0.0027	0.001	-0.024	0.000	108	0.023	0.0021	0.005	0.009	0.000	0	15	190	1.001
9/22/2022	19:33:18	0.012	0.0153	0.000	-0.010	0.003	73	0.023	0.0021	0.005	0.007	0.000	0	15	190	1.001
9/22/2022	19:34:18	0.028	0.0172	-0.011	-0.021	0.001	74	0.023	0.0023	0.005	0.007	0.000	0	15	190	1.001
System Zero		**0.028**														
9/22/2022	19:35:20	67.298	0.0020	-0.005	-0.015	0.025	-20	0.130	0.0020	0.005	0.007	0.006	2	15	190	0.992
9/22/2022	19:36:18	95.854	0.0064	-0.007	-0.005	0.010	-197	0.060	0.0022	0.005	0.008	0.002	3	15	190	0.989
9/22/2022	19:37:18	97.628	0.0096	-0.011	-0.005	0.002	-153	0.075	0.0023	0.005	0.007	0.006	3	15	190	0.989
9/22/2022	19:38:18	97.528	-0.0004	-0.012	0.008	0.004	-191	0.076	0.0022	0.005	0.008	0.006	3	15	190	0.989
9/22/2022	19:39:18	97.381	0.0088	-0.011	-0.005	0.002	-199	0.073	0.0023	0.005	0.008	0.006	3	15	190	0.989
Direct CTS		**97.381**														
9/22/2022	19:40:18	13.143	0.0040	-0.009	0.000	0.009	-102	0.040	0.0022	0.005	0.007	0.002	1	15	190	0.989
9/22/2022	19:41:18	0.055	0.0231	0.001	0.007	0.000	-76	0.017	0.0021	0.005	0.007	0.000	0	15	190	0.989
9/22/2022	19:42:18	0.041	0.0063	-0.009	-0.009	0.000	-24	0.016	0.0022	0.005	0.006	0.000	0	15	190	0.989

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp (C)	Press (atm)
9/22/2022	19:43:18	0.032	0.0143	-0.014	-0.018	0.000	-10	0.015	0.0021	0.004	0.006	0.000	0	15	190	0.989
9/22/2022	19:44:19	0.023	0.0151	-0.007	-0.012	0.000	-8	0.015	0.0021	0.005	0.006	0.000	0	15	190	0.989
9/22/2022	19:45:18	0.029	0.0048	-0.012	-0.008	0.000	-22	0.015	0.0021	0.005	0.005	0.000	0	15	190	0.989
Direct Zero		**0.029**														

Client: Georgia Power
Facility: Plant McInstosh
Source: Unit 2
Condition: Fuel Oil Max

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp (C)	Press (atm)
9/26/2022	7:23:23	0.425	-0.0148	0.003	-0.006	0.0081	46	0.032	0.0036	0.009	0.008	0.0003	1	15	190	0.989
9/26/2022	7:24:24	0.430	-0.0144	0.004	0.001	0.0079	38	0.032	0.0035	0.008	0.007	0.0004	1	15	190	0.989
9/26/2022	7:25:23	0.409	0.0007	0.020	-0.001	0.0083	7	0.034	0.0042	0.010	0.008	0.0004	1	15	190	0.989
9/26/2022	7:26:23	0.413	-0.0165	0.010	-0.004	0.0075	-3	0.032	0.0033	0.008	0.006	0.0003	0	15	190	0.989
9/26/2022	7:27:23	0.416	-0.0175	0.014	0.009	0.0074	-46	0.032	0.0033	0.008	0.008	0.0003	1	15	190	0.989
9/26/2022	7:28:23	0.447	-0.0385	0.028	-0.008	0.0078	-9	0.033	0.0050	0.012	0.010	0.0004	1	15	190	0.989
9/26/2022	7:29:23	0.402	-0.0179	0.014	0.004	0.0082	-15	0.031	0.0036	0.009	0.006	0.0003	0	15	190	0.989
9/26/2022	7:32:23	0.019	0.0029	-0.003	-0.003	-0.0003	-4	0.005	0.0022	0.005	0.004	0.0001	0	15	190	0.989
9/26/2022	7:33:23	0.001	0.0073	-0.004	0.001	-0.0004	-7	0.005	0.0021	0.005	0.004	0.0002	0	15	190	0.989
9/26/2022	7:34:23	-0.001	0.0017	-0.007	0.003	-0.0002	-22	0.005	0.0022	0.005	0.004	0.0002	0	15	190	0.989
Direct Zero		**-0.001**														
9/26/2022	7:35:23	40.512	-0.0034	-0.007	-0.011	0.0255	33	0.119	0.0021	0.005	0.007	0.0061	2	15	190	0.989
9/26/2022	7:36:23	96.067	-0.0003	-0.002	-0.029	0.0138	-27	0.059	0.0022	0.005	0.016	0.0026	3	15	190	0.989
9/26/2022	7:37:23	97.387	0.0115	-0.010	-0.056	0.0051	61	0.074	0.0023	0.005	0.024	0.0064	3	15	190	0.989
9/26/2022	7:38:23	97.541	0.0041	-0.017	-0.062	0.0048	163	0.074	0.0023	0.005	0.032	0.0064	3	15	190	0.989
9/26/2022	7:39:23	97.534	0.0055	-0.004	-0.062	0.0092	369	0.076	0.0024	0.005	0.033	0.0065	4	15	190	0.989
Direct Zero		**97.534**														
9/26/2022	7:40:23	72.298	0.0859	0.002	-0.381	0.0120	4327	0.978	0.0057	0.013	0.116	0.0059	33	14	190	0.999
9/26/2022	7:41:23	95.927	0.0040	-0.004	-0.086	0.0148	815	0.246	0.0028	0.006	0.033	0.0028	36	14	190	1.001
9/26/2022	7:42:23	97.599	0.0032	-0.003	-0.104	0.0043	557	0.166	0.0025	0.006	0.037	0.0067	13	14	190	1.002
9/26/2022	7:43:23	97.558	-0.0105	-0.006	-0.103	0.0030	475	0.130	0.0026	0.006	0.037	0.0066	7	15	190	1.002
9/26/2022	7:44:23	97.488	0.0098	-0.010	-0.094	0.0123	438	0.120	0.0026	0.006	0.033	0.0070	7	15	190	1.002
System CTS		**97.488**														
9/26/2022	7:45:23	19.704	0.0050	-0.002	-0.077	0.0145	398	0.092	0.0024	0.005	0.030	0.0036	3	15	190	1.002
9/26/2022	7:46:24	-0.031	-0.0008	0.002	-0.063	0.0016	387	0.050	0.0022	0.005	0.026	0.0005	2	15	190	1.002
9/26/2022	7:47:23	0.035	0.0099	0.002	-0.066	-0.0015	351	0.043	0.0022	0.005	0.024	0.0005	2	15	190	1.002
9/26/2022	7:48:23	-0.004	-0.0010	-0.003	-0.046	-0.0001	305	0.039	0.0023	0.005	0.021	0.0005	2	15	190	1.002
9/26/2022	7:49:23	-0.016	0.0003	0.000	-0.046	-0.0009	256	0.036	0.0022	0.005	0.021	0.0005	1	15	190	1.002
9/26/2022	7:50:23	0.132	-0.0006	0.005	-0.141	0.0009	1781	0.048	0.0026	0.006	0.068	0.0010	6	15	190	0.996
9/26/2022	7:51:23	0.028	-0.0010	-0.004	-0.024	-0.0002	173	0.006	0.0022	0.005	0.012	0.0002	2	15	190	0.989
System Zero		**0.028**														
9/26/2022	7:52:23	0.040	-0.0032	-0.002	-0.020	-0.0002	121	0.006	0.0021	0.005	0.012	0.0002	1	15	190	0.989
9/26/2022	8:08:17	-0.268	-0.0343	0.151	-2.748	-0.0891	84846	1.702	0.0037	0.097	2.208	0.0415	171	11	190	1.001
Start Run 1																
9/26/2022	8:13:20	0.135	-0.0396	0.061	0.617	0.0185	105812	0.213	0.0040	0.048	0.565	0.0054	513	11	190	1.002
9/26/2022	8:18:17	0.174	-0.0384	0.066	0.785	0.0206	109452	0.224	0.0042	0.050	0.615	0.0056	557	11	190	1.002

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp (C)	Press (atm)
9/26/2022	8:23:17	0.174	-0.0335	0.073	0.774	0.0227	106631	0.227	0.0042	0.049	0.616	0.0056	559	11	190	1.002
9/26/2022	8:28:17	0.162	-0.0393	0.073	0.774	0.0216	106291	0.225	0.0043	0.049	0.613	0.0056	556	11	190	1.002
9/26/2022	8:33:17	0.170	-0.0404	0.075	0.773	0.0207	107036	0.228	0.0042	0.050	0.622	0.0056	562	11	190	1.002
9/26/2022	8:38:17	0.174	-0.0394	0.068	0.767	0.0216	107771	0.231	0.0043	0.051	0.623	0.0057	570	11	190	1.002
9/26/2022	8:43:17	0.170	-0.0370	0.079	0.734	0.0218	103292	0.222	0.0041	0.048	0.580	0.0055	547	11	190	1.002
9/26/2022	8:48:17	0.163	-0.0339	0.067	0.767	0.0207	108268	0.227	0.0042	0.050	0.620	0.0056	561	11	190	1.002
9/26/2022	8:53:17	0.177	-0.0347	0.065	0.763	0.0208	107643	0.227	0.0042	0.050	0.627	0.0056	559	11	190	1.002
9/26/2022	8:58:17	0.181	-0.0350	0.067	0.758	0.0214	104973	0.225	0.0041	0.049	0.601	0.0056	552	11	190	1.002
9/26/2022	9:03:17	0.182	-0.0334	0.064	0.817	0.0211	100898	0.216	0.0041	0.046	0.782	0.0053	526	11	190	1.002
9/26/2022	9:08:17	0.175	-0.0341	0.070	0.776	0.0220	96401	0.207	0.0039	0.043	0.618	0.0051	501	11	190	1.002
Run Averages		**0.170**	**-0.0366**	**0.069**	**0.759**	**0.0211**	**105372**	**0.223**	**0.0041**	**0.049**	**0.623**	**0.0055**	**547**			
9/26/2022	9:13:17	0.185	-0.0341	0.051	0.756	0.0228	104085	0.214	0.0040	0.047	0.587	0.0053	525	11	190	1.002
Start Run 2																
9/26/2022	9:18:17	0.162	-0.0376	0.048	0.760	0.0216	103912	0.216	0.0039	0.048	0.589	0.0053	530	11	190	1.002
9/26/2022	9:23:17	0.179	-0.0402	0.047	0.753	0.0222	102600	0.218	0.0040	0.048	0.587	0.0053	534	11	190	1.003
9/26/2022	9:28:17	0.194	-0.0418	0.042	0.765	0.0218	105019	0.228	0.0042	0.050	0.631	0.0056	562	11	190	1.003
9/26/2022	9:33:17	0.152	-0.0382	0.058	0.765	0.0221	106856	0.227	0.0041	0.049	0.634	0.0056	561	11	190	1.002
9/26/2022	9:38:17	0.185	-0.0403	0.048	0.764	0.0213	104149	0.221	0.0040	0.048	0.603	0.0055	545	11	190	1.002
9/26/2022	9:43:17	0.189	-0.0364	0.043	0.748	0.0223	104448	0.222	0.0041	0.048	0.599	0.0055	545	11	190	1.002
9/26/2022	9:48:17	0.159	-0.0358	0.053	0.756	0.0205	95364	0.212	0.0039	0.044	0.614	0.0052	511	11	190	1.002
9/26/2022	9:53:17	0.159	-0.0431	0.045	0.762	0.0216	107757	0.227	0.0044	0.050	0.614	0.0056	560	11	190	1.002
9/26/2022	9:58:17	0.155	-0.0417	0.060	0.767	0.0220	109184	0.227	0.0044	0.051	0.629	0.0056	562	11	190	1.002
9/26/2022	10:03:17	0.160	-0.0428	0.053	0.733	0.0222	101752	0.215	0.0041	0.047	0.568	0.0053	527	11	190	1.002
9/26/2022	10:08:17	0.167	-0.0465	0.066	0.763	0.0206	114250	0.228	0.0042	0.051	0.645	0.0057	569	11	190	1.002
9/26/2022	10:13:18	0.158	-0.0406	0.088	0.776	0.0206	114396	0.225	0.0043	0.051	0.655	0.0057	564	11	190	1.002
9/26/2022	10:18:17	0.164	-0.0421	0.071	0.739	0.0220	101104	0.211	0.0041	0.046	0.558	0.0052	513	11	190	1.003
Run Averages		**0.168**	**-0.0405**	**0.055**	**0.758**	**0.0216**	**105445**	**0.221**	**0.0041**	**0.048**	**0.610**	**0.0055**	**545**			
9/26/2022	10:23:17	0.160	-0.0308	0.053	0.806	0.0227	99138	0.210	0.0041	0.045	0.684	0.0052	510	11	190	1.002
Start Run 3																
9/26/2022	10:28:17	0.129	-0.0446	0.057	0.793	0.0200	114733	0.227	0.0043	0.051	0.679	0.0057	567	11	190	1.002
9/26/2022	10:33:17	0.143	-0.0459	0.049	0.794	0.0204	113854	0.228	0.0044	0.051	0.673	0.0057	570	11	190	1.002
9/26/2022	10:38:17	0.151	-0.0402	0.046	0.787	0.0207	113786	0.229	0.0042	0.051	0.685	0.0057	571	11	190	1.002
9/26/2022	10:43:19	0.132	-0.0346	0.064	0.781	0.0217	109511	0.223	0.0042	0.049	0.643	0.0056	553	11	190	1.002
9/26/2022	10:48:18	0.121	-0.0357	0.075	0.813	0.0210	100341	0.211	0.0039	0.045	0.728	0.0052	516	11	190	1.002
9/26/2022	10:53:17	0.161	-0.0445	0.074	0.737	0.0210	100352	0.211	0.0038	0.046	0.567	0.0052	516	11	190	1.002
9/26/2022	10:58:20	0.163	-0.0384	0.082	0.780	0.0206	97769	0.209	0.0038	0.044	0.634	0.0052	508	11	190	1.002
9/26/2022	11:03:17	0.165	-0.0431	0.068	0.786	0.0220	97433	0.208	0.0037	0.045	0.659	0.0051	505	11	190	1.002
9/26/2022	11:08:17	0.147	-0.0379	0.065	0.776	0.0221	108095	0.220	0.0040	0.049	0.626	0.0055	544	11	190	1.002
9/26/2022	11:13:17	0.168	-0.0448	0.059	0.785	0.0212	109073	0.220	0.0042	0.050	0.633	0.0055	545	11	190	1.002
9/26/2022	11:18:17	0.168	-0.0397	0.060	0.767	0.0223	95907	0.206	0.0039	0.044	0.593	0.0051	500	11	190	1.002

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp (C)	Press (atm)
9/26/2022	11:23:17	0.118	-0.0391	0.059	0.780	0.0218	110324	0.221	0.0043	0.049	0.632	0.0055	549	11	190	1.002
9/26/2022	11:28:17	0.124	-0.0418	0.060	0.777	0.0217	107452	0.219	0.0042	0.048	0.612	0.0054	541	11	190	1.002
Run Averages		**0.145**	**-0.0408**	**0.063**	**0.781**	**0.0213**	**106048**	**0.218**	**0.0041**	**0.048**	**0.643**	**0.0054**	**537**			
9/26/2022	11:33:17	0.139	-0.0401	0.075	0.755	0.0202	104387	0.214	0.0040	0.046	0.583	0.0053	528	11	190	1.002
Start Run 4																
9/26/2022	11:38:17	0.153	-0.0503	0.055	0.786	0.0202	108869	0.226	0.0041	0.050	0.641	0.0057	563	11	190	1.002
9/26/2022	11:43:17	0.107	-0.0417	0.051	0.809	0.0219	111264	0.234	0.0043	0.051	0.698	0.0059	586	11	190	1.002
9/26/2022	11:48:17	0.119	-0.0404	0.048	0.801	0.0217	110549	0.232	0.0043	0.051	0.685	0.0058	579	11	190	1.002
9/26/2022	11:53:17	0.137	-0.0404	0.044	0.788	0.0213	108091	0.227	0.0041	0.049	0.645	0.0057	565	11	190	1.002
9/26/2022	11:58:17	0.146	-0.0368	0.036	0.785	0.0222	95522	0.212	0.0040	0.044	0.634	0.0052	515	11	190	1.002
9/26/2022	12:03:17	0.136	-0.0334	0.038	0.764	0.0219	104181	0.221	0.0041	0.047	0.600	0.0055	546	11	190	1.002
9/26/2022	12:08:18	0.153	-0.0437	0.039	0.785	0.0208	111006	0.228	0.0042	0.050	0.657	0.0057	568	11	190	1.002
9/26/2022	12:13:17	0.113	-0.0336	0.041	0.761	0.0227	104124	0.219	0.0043	0.047	0.587	0.0055	538	11	190	1.002
9/26/2022	12:18:17	0.150	-0.0473	0.024	0.741	0.0205	101818	0.215	0.0042	0.047	0.572	0.0054	528	11	190	1.002
9/26/2022	12:23:17	0.138	-0.0418	0.027	0.787	0.0219	113132	0.229	0.0046	0.051	0.662	0.0058	569	11	190	1.002
9/26/2022	12:28:17	0.119	-0.0396	0.046	0.753	0.0203	105770	0.218	0.0042	0.047	0.588	0.0054	537	11	190	1.002
9/26/2022	12:33:17	0.154	-0.0475	0.023	0.756	0.0212	103829	0.216	0.0041	0.047	0.589	0.0054	530	11	190	1.002
9/26/2022	12:38:17	0.136	-0.0426	0.024	0.759	0.0223	106551	0.218	0.0044	0.048	0.590	0.0054	536	11	190	1.002
Run Averages		**0.136**	**-0.0415**	**0.038**	**0.775**	**0.0215**	**106516**	**0.223**	**0.0042**	**0.048**	**0.627**	**0.0056**	**551**			
9/26/2022	12:43:17	0.146	-0.0479	0.033	0.741	0.0201	103171	0.214	0.0039	0.046	0.571	0.0053	526	11	190	1.002
Start Run 5																
9/26/2022	12:48:17	0.131	-0.0321	0.027	0.747	0.0210	105135	0.218	0.0043	0.047	0.574	0.0055	534	11	190	1.002
9/26/2022	12:53:17	0.119	-0.0304	0.029	0.778	0.0207	110413	0.225	0.0043	0.050	0.616	0.0056	559	11	190	1.002
9/26/2022	12:58:17	0.129	-0.0412	0.020	0.771	0.0206	110200	0.223	0.0043	0.050	0.613	0.0056	555	11	190	1.002
9/26/2022	13:03:20	0.152	-0.0482	0.008	0.741	0.0226	100794	0.213	0.0042	0.047	0.572	0.0053	520	11	190	1.002
9/26/2022	13:08:17	0.136	-0.0440	0.009	0.763	0.0221	107369	0.219	0.0045	0.049	0.601	0.0055	540	11	190	1.002
9/26/2022	13:13:17	0.115	-0.0521	0.018	0.806	0.0191	116552	0.230	0.0045	0.051	0.699	0.0058	574	11	190	1.002
9/26/2022	13:18:17	0.139	-0.0530	0.016	0.755	0.0202	100039	0.213	0.0040	0.046	0.583	0.0053	519	11	190	1.002
9/26/2022	13:23:17	0.117	-0.0464	0.020	0.792	0.0197	102681	0.222	0.0042	0.048	0.636	0.0055	547	11	190	1.002
9/26/2022	13:28:17	0.140	-0.0453	0.010	0.794	0.0217	104340	0.224	0.0042	0.048	0.652	0.0056	553	11	190	1.002
9/26/2022	13:33:17	0.109	-0.0452	0.022	0.812	0.0207	109627	0.227	0.0042	0.050	0.686	0.0057	566	11	190	1.002
9/26/2022	13:38:17	0.107	-0.0409	0.010	0.787	0.0223	106042	0.225	0.0044	0.049	0.642	0.0056	553	11	190	1.002
9/26/2022	13:43:17	0.112	-0.0418	0.009	0.808	0.0205	112626	0.229	0.0045	0.051	0.688	0.0058	572	11	190	1.002
9/26/2022	13:48:17	0.143	-0.0425	0.012	0.779	0.0217	96199	0.209	0.0039	0.044	0.623	0.0052	507	11	190	1.002
Run Averages		**0.127**	**-0.0433**	**0.016**	**0.779**	**0.0210**	**106309**	**0.221**	**0.0043**	**0.048**	**0.630**	**0.0055**	**546**			
9/26/2022	13:53:17	0.128	-0.0452	0.010	0.752	0.0213	103518	0.216	0.0043	0.047	0.593	0.0054	532	11	190	1.002
9/26/2022	13:58:17	0.099	-0.0421	0.004	0.762	0.0220	105242	0.219	0.0044	0.048	0.600	0.0055	538	11	190	1.002
Start Run 6																
9/26/2022	14:03:17	0.112	-0.0366	0.019	0.765	0.0212	107749	0.219	0.0042	0.048	0.602	0.0055	543	11	190	1.002
9/26/2022	14:08:17	0.102	-0.0429	0.008	0.778	0.0211	112535	0.224	0.0044	0.050	0.651	0.0057	560	11	190	1.002

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp (C)	Press (atm)
9/26/2022	14:13:17	0.127	-0.0432	0.014	0.750	0.0199	106914	0.217	0.0041	0.048	0.595	0.0055	537	11	190	1.002
9/26/2022	14:18:17	0.125	-0.0408	0.006	0.797	0.0222	99423	0.209	0.0041	0.045	0.686	0.0052	509	11	190	1.002
9/26/2022	14:23:17	0.132	-0.0483	-0.013	0.763	0.0226	104835	0.215	0.0045	0.048	0.608	0.0054	529	11	190	1.002
9/26/2022	14:28:17	0.103	-0.0436	0.000	0.794	0.0222	108449	0.221	0.0042	0.049	0.654	0.0055	548	11	190	1.002
9/26/2022	14:33:17	0.099	-0.0438	-0.004	0.802	0.0227	103106	0.224	0.0043	0.049	0.670	0.0056	552	11	190	1.002
9/26/2022	14:38:17	0.100	-0.0394	0.008	0.807	0.0221	104220	0.224	0.0042	0.048	0.675	0.0056	554	11	190	1.002
9/26/2022	14:43:17	0.116	-0.0493	0.010	0.804	0.0210	106126	0.224	0.0041	0.049	0.673	0.0056	558	11	190	1.002
9/26/2022	14:48:17	0.124	-0.0470	0.001	0.853	0.0217	99808	0.216	0.0040	0.046	0.781	0.0054	530	11	190	1.002
9/26/2022	14:53:17	0.091	-0.0452	0.009	0.785	0.0208	103573	0.218	0.0041	0.047	0.617	0.0055	538	11	190	1.002
9/26/2022	14:58:17	0.080	-0.0429	0.016	0.788	0.0209	105224	0.217	0.0041	0.047	0.633	0.0055	538	11	190	1.002
9/26/2022	15:03:17	0.099	-0.0383	-0.007	0.783	0.0236	105806	0.218	0.0046	0.048	0.630	0.0055	538	11	190	1.002
Run Averages		**0.108**	**-0.0432**	**0.005**	**0.790**	**0.0217**	**105213**	**0.219**	**0.0042**	**0.048**	**0.652**	**0.0055**	**541**			
9/26/2022	15:08:17	0.117	-0.0473	-0.012	0.786	0.0228	105045	0.216	0.0046	0.048	0.637	0.0054	533	11	190	1.002
9/26/2022	15:13:17	0.091	-0.0473	0.010	0.761	0.0213	102645	0.213	0.0040	0.046	0.591	0.0053	525	11	190	1.002
Start Run 7																
9/26/2022	15:18:17	0.055	-0.0558	0.009	0.799	0.0197	114250	0.227	0.0044	0.050	0.676	0.0058	570	11	190	1.002
9/26/2022	15:23:20	0.129	-0.0411	0.005	0.789	0.0212	97587	0.208	0.0042	0.044	0.650	0.0052	506	11	190	1.002
9/26/2022	15:28:17	0.115	-0.0497	0.004	0.802	0.0214	99494	0.211	0.0040	0.045	0.670	0.0053	517	11	190	1.002
9/26/2022	15:33:17	0.066	-0.0446	0.000	0.809	0.0216	111492	0.231	0.0044	0.051	0.678	0.0059	576	11	190	1.002
9/26/2022	15:38:19	0.088	-0.0375	-0.004	0.797	0.0228	105414	0.225	0.0043	0.048	0.655	0.0057	560	11	190	1.002
9/26/2022	15:43:19	0.088	-0.0468	-0.005	0.800	0.0227	104575	0.223	0.0044	0.048	0.659	0.0056	554	11	190	1.002
9/26/2022	15:48:17	0.104	-0.0420	0.002	0.786	0.0218	104467	0.223	0.0042	0.048	0.657	0.0056	555	11	190	1.002
9/26/2022	15:53:17	0.091	-0.0442	-0.004	0.793	0.0234	106478	0.227	0.0044	0.049	0.674	0.0057	563	11	190	1.002
9/26/2022	15:58:17	0.118	-0.0527	-0.003	0.853	0.0222	100340	0.219	0.0041	0.046	0.813	0.0055	540	11	190	1.002
9/26/2022	16:03:17	0.074	-0.0466	0.001	0.787	0.0220	104233	0.225	0.0043	0.048	0.655	0.0056	556	11	190	1.002
9/26/2022	16:08:17	0.091	-0.0410	0.004	0.790	0.0225	105120	0.222	0.0044	0.047	0.637	0.0056	550	11	190	1.002
9/26/2022	16:13:18	0.101	-0.0488	-0.004	0.782	0.0212	107660	0.219	0.0043	0.048	0.629	0.0055	543	11	190	1.002
9/26/2022	16:18:17	0.096	-0.0469	-0.003	0.764	0.0213	105777	0.214	0.0043	0.047	0.594	0.0054	531	11	190	1.002
Run Averages		**0.094**	**-0.0460**	**0.000**	**0.796**	**0.0218**	**105145**	**0.221**	**0.0043**	**0.048**	**0.665**	**0.0055**	**548**			
9/26/2022	16:23:17	0.113	-0.0474	-0.009	0.770	0.0216	106142	0.214	0.0043	0.047	0.605	0.0054	530	11	190	1.002
9/26/2022	16:28:17	73.091	-0.0359	0.009	0.258	0.0390	29527	0.164	0.0034	0.018	0.230	0.0065	178	13	190	1.002
9/26/2022	16:31:28	90.829	0.0105	-0.012	0.014	0.0056	2722	0.085	0.0045	0.011	0.053	0.0026	58	14	190	1.002
9/26/2022	16:32:28	97.007	0.0008	-0.011	-0.131	0.0024	1799	0.092	0.0026	0.006	0.024	0.0065	23	14	190	1.002
9/26/2022	16:33:28	97.186	0.0040	-0.003	-0.069	0.0036	811	0.091	0.0027	0.007	0.014	0.0065	23	15	190	1.002
9/26/2022	16:34:28	97.127	0.0047	-0.008	-0.089	0.0095	732	0.093	0.0027	0.006	0.016	0.0065	11	15	190	1.002
9/26/2022	16:35:28	96.889	-0.0081	-0.014	-0.083	0.0073	612	0.093	0.0024	0.006	0.014	0.0066	11	15	190	1.002
9/26/2022	16:36:28	97.201	-0.0041	-0.004	-0.054	0.0065	367	0.092	0.0028	0.007	0.015	0.0064	6	15	190	1.002
System CTS		**97.201**														
9/26/2022	16:37:28	63.130	-0.0096	-0.012	-0.028	0.0282	176	0.115	0.0024	0.006	0.010	0.0062	5	15	190	1.002
9/26/2022	16:38:28	0.093	0.0095	-0.024	-0.027	0.0007	209	0.037	0.0027	0.007	0.011	0.0005	1	15	190	1.002

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp (C)	Press (atm)
9/26/2022	16:39:28	-0.009	0.0084	-0.009	-0.022	0.0021	194	0.036	0.0026	0.007	0.010	0.0004	1	15	190	1.002
9/26/2022	16:40:28	-0.056	0.0033	-0.019	-0.022	0.0018	166	0.037	0.0026	0.007	0.010	0.0004	1	15	190	1.002
9/26/2022	16:41:28	-0.065	-0.0074	-0.019	-0.017	0.0018	137	0.037	0.0024	0.006	0.009	0.0004	1	15	190	1.002
System Zero		**-0.065**														
9/26/2022	16:42:28	69.181	0.0020	-0.015	-0.010	0.0220	18	0.124	0.0025	0.006	0.007	0.0060	2	15	190	0.991
9/26/2022	16:43:28	95.607	-0.0003	-0.013	-0.001	0.0140	-193	0.075	0.0025	0.006	0.008	0.0026	3	15	190	0.989
9/26/2022	16:44:28	97.232	-0.0002	-0.013	0.003	0.0030	-152	0.087	0.0025	0.007	0.008	0.0062	3	15	190	0.989
9/26/2022	16:45:28	97.088	-0.0002	-0.024	0.004	0.0061	-146	0.089	0.0024	0.006	0.008	0.0063	3	15	190	0.989
9/26/2022	16:46:28	97.156	0.0039	-0.015	0.002	0.0058	-145	0.088	0.0024	0.006	0.008	0.0063	3	15	190	0.989
Direct CTS		**97.156**														
9/26/2022	16:47:31	94.800	-0.0054	-0.016	0.002	0.0060	-135	0.087	0.0026	0.006	0.008	0.0061	3	15	190	0.989
9/26/2022	16:48:28	2.403	0.0054	-0.010	0.002	0.0022	-65	0.036	0.0026	0.006	0.007	0.0004	0	15	190	0.989
9/26/2022	16:49:28	-0.045	-0.0062	-0.015	0.012	0.0012	-36	0.034	0.0024	0.006	0.007	0.0002	0	15	190	0.989
9/26/2022	16:50:28	-0.069	0.0108	-0.020	0.007	0.0012	-17	0.034	0.0025	0.006	0.007	0.0002	0	15	190	0.989
9/26/2022	16:51:28	-0.054	0.0023	-0.019	-0.001	0.0010	-52	0.031	0.0029	0.007	0.007	0.0002	0	15	190	0.989
Direct Zero		**-0.054**														
9/26/2022	16:52:28	-0.089	0.0004	-0.007	0.008	0.0015	-45	0.034	0.0022	0.006	0.007	0.0002	0	15	190	0.989
9/26/2022	16:55:28	0.000	0.0019	0.000	-0.005	0.0001	37	0.005	0.0020	0.004	0.005	0.0001	0	15	190	0.989

Client: Georgia Power
Facility: Plant McInstosh
Source: Unit 2
Condition: Fuel Oil Max

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp (C)	Press (atm)
9/27/2022	6:32:41	0.420	-0.0277	0.009	-0.007	0.007	49	0.033	0.0029	0.007	0.006	0.000	0	15	190	0.989
9/27/2022	6:33:42	0.429	-0.0135	0.011	-0.005	0.007	26	0.034	0.0029	0.007	0.006	0.000	0	15	190	0.989
9/27/2022	6:34:41	0.430	-0.0131	0.008	-0.012	0.007	18	0.031	0.0033	0.008	0.007	0.000	1	15	190	0.989
9/27/2022	6:38:09	0.023	0.0042	-0.014	0.002	-0.001	-47	0.007	0.0024	0.005	0.004	0.000	0	15	190	0.989
9/27/2022	6:39:07	0.025	-0.0022	-0.004	0.001	-0.001	-9	0.007	0.0023	0.005	0.004	0.000	0	15	190	0.989
9/27/2022	6:40:07	0.003	0.0139	0.004	-0.023	0.000	89	0.005	0.0023	0.005	0.011	0.000	0	15	190	0.989
Direct Zero		**0.003**														
9/27/2022	6:41:07	0.008	0.0046	0.000	-0.031	-0.001	158	0.006	0.0022	0.005	0.020	0.000	1	15	190	0.989
9/27/2022	6:42:07	70.119	0.0024	0.001	-0.049	0.021	200	0.123	0.0024	0.005	0.026	0.006	3	15	190	0.989
9/27/2022	6:43:07	95.991	0.0086	-0.010	-0.042	0.011	269	0.057	0.0022	0.005	0.025	0.002	4	15	190	0.989
9/27/2022	6:44:07	96.884	0.0030	-0.012	-0.051	-0.001	300	0.066	0.0027	0.006	0.028	0.006	4	14	190	0.989
9/27/2022	6:45:07	97.462	0.0055	-0.008	-0.052	0.007	349	0.072	0.0023	0.005	0.031	0.006	4	15	190	0.989
9/27/2022	6:46:07	97.543	0.0007	0.004	-0.071	0.004	295	0.074	0.0024	0.005	0.030	0.006	6	14	190	0.989
9/27/2022	6:47:07	97.573	-0.0050	-0.007	-0.066	0.008	388	0.074	0.0025	0.006	0.035	0.006	4	14	190	0.989
9/27/2022	6:48:07	97.675	-0.0125	-0.002	-0.071	0.003	333	0.074	0.0024	0.005	0.033	0.006	6	14	190	0.989
Direct CTS		**97.675**														
9/27/2022	6:49:07	78.500	0.1631	-0.029	-0.208	-0.057	2719	0.551	0.0074	0.019	0.105	0.006	12	14	190	0.993
9/27/2022	6:50:07	95.780	0.0128	-0.010	-0.079	0.010	883	0.124	0.0028	0.007	0.023	0.003	26	14	190	1.001
9/27/2022	6:51:07	97.026	0.0040	-0.007	-0.050	-0.004	336	0.086	0.0027	0.007	0.019	0.006	11	14	190	1.001
9/27/2022	6:52:07	97.766	0.0072	-0.011	-0.040	0.012	289	0.088	0.0026	0.006	0.020	0.007	4	15	190	1.001
9/27/2022	6:53:07	97.728	0.0058	0.001	-0.029	0.010	262	0.084	0.0025	0.006	0.017	0.007	4	15	190	1.001
9/27/2022	6:54:07	97.245	0.0042	-0.014	-0.025	0.002	205	0.076	0.0026	0.006	0.013	0.006	4	15	190	1.001
9/27/2022	6:55:10	98.183	-0.0020	-0.001	-0.015	0.006	153	0.079	0.0023	0.005	0.012	0.007	4	15	190	1.001
System CTS		**98.183**														
9/27/2022	6:57:07	14.128	0.0008	-0.003	-0.009	0.013	84	0.054	0.0024	0.005	0.010	0.003	1	15	190	1.001
9/27/2022	6:58:08	0.052	0.0121	0.005	-0.010	-0.001	89	0.021	0.0023	0.005	0.008	0.000	1	15	190	1.002
9/27/2022	6:59:07	0.098	0.0054	-0.004	-0.005	-0.002	91	0.018	0.0024	0.005	0.007	0.000	1	15	190	1.002
9/27/2022	7:00:07	0.068	0.0022	-0.001	-0.009	0.002	52	0.019	0.0025	0.005	0.006	0.000	0	15	190	1.002
System Zero		**0.068**														
9/27/2022	7:02:07	-0.105	-0.0017	-0.007	0.172	-0.001	32168	0.132	0.0070	0.019	0.275	0.003	156	12	190	1.001
9/27/2022	7:03:07	-0.175	-0.0113	0.000	0.241	0.012	37135	0.123	0.0072	0.021	0.279	0.003	168	11	190	1.001
9/27/2022	7:04:10	-0.395	0.0076	-0.014	0.476	0.318	58713	0.157	0.0085	0.030	0.548	0.004	276	11	190	0.994
9/27/2022	7:05:07	-0.187	0.0171	-0.021	0.524	0.005	85789	0.204	0.0109	0.043	0.633	0.005	402	11	190	0.991
9/27/2022	7:06:07	-0.267	0.0457	-0.024	0.752	0.010	101383	0.201	0.0126	0.049	0.731	0.005	484	11	190	0.991
9/27/2022	7:07:07	-0.180	0.0288	-0.044	0.810	0.018	94109	0.218	0.0117	0.047	0.647	0.005	480	11	190	0.991
9/27/2022	7:08:07	-0.202	0.0089	-0.064	0.786	0.017	97959	0.203	0.0118	0.050	0.593	0.005	498	11	190	0.992
9/27/2022	7:09:07	-0.202	0.0118	-0.019	0.730	0.015	82444	0.197	0.0109	0.041	0.494	0.004	435	11	190	0.992
9/27/2022	7:10:07	-0.252	0.0239	-0.060	0.705	0.012	104301	0.206	0.0125	0.052	0.630	0.005	499	11	190	0.991

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp (C)	Press (atm)
9/27/2022	7:11:07	-0.182	0.0140	-0.043	0.818	0.015	96417	0.197	0.0119	0.049	0.633	0.005	484	11	190	0.991
9/27/2022	7:12:07	-0.235	0.0241	-0.024	0.865	0.015	96905	0.202	0.0118	0.048	0.757	0.005	496	11	190	0.992
9/27/2022	7:13:07	-0.244	0.0203	-0.020	0.842	0.012	105964	0.211	0.0130	0.051	0.684	0.005	525	11	190	0.992
9/27/2022	7:14:07	-0.217	0.0340	-0.019	0.760	0.015	86078	0.211	0.0107	0.043	0.574	0.005	461	11	190	0.992
9/27/2022	7:15:07	-0.246	0.0179	-0.021	0.652	0.012	85081	0.204	0.0107	0.043	0.509	0.005	427	11	190	0.992
9/27/2022	7:16:07	-0.201	0.0143	-0.026	0.670	0.012	85570	0.205	0.0109	0.044	0.536	0.005	428	11	190	0.992
9/27/2022	7:17:07	-0.260	0.0060	-0.012	0.669	0.012	90288	0.213	0.0111	0.045	0.585	0.005	456	11	190	0.992
9/27/2022	7:18:07	-0.241	0.0279	-0.018	0.797	0.014	97614	0.209	0.0115	0.048	0.651	0.005	511	11	190	0.992
9/27/2022	7:19:07	-0.201	0.0218	-0.017	0.784	0.015	92358	0.222	0.0112	0.046	0.617	0.005	493	11	190	0.992
9/27/2022	7:20:07	-0.215	0.0109	-0.030	0.811	0.014	95762	0.228	0.0114	0.048	0.661	0.005	504	11	190	0.992
9/27/2022	7:21:07	-0.232	0.0086	-0.014	0.807	0.013	104189	0.214	0.0122	0.051	0.667	0.005	533	10	190	0.992
9/27/2022	7:22:07	-0.202	0.0059	-0.024	0.795	0.017	83947	0.206	0.0105	0.043	0.640	0.005	457	11	190	0.992
9/27/2022	7:23:07	-0.256	0.0245	-0.012	0.683	0.013	98939	0.205	0.0119	0.048	0.626	0.005	489	11	190	0.992
9/27/2022	7:24:07	-0.228	0.0266	-0.007	0.764	0.014	90893	0.216	0.0109	0.044	0.572	0.005	483	11	190	0.992
9/27/2022	7:25:08	-0.535	0.0288	0.340	0.753	0.552	85104	0.203	0.0111	0.042	0.556	0.005	454	11	190	1.000
9/27/2022	7:26:07	-0.805	0.0212	0.613	0.629	0.831	79762	0.187	0.0104	0.040	0.519	0.004	403	11	190	1.002
9/27/2022	7:27:07	-0.386	0.0274	0.642	0.662	0.239	88069	0.204	0.0111	0.043	0.592	0.005	436	11	190	1.002
9/27/2022	7:28:07	-0.429	0.0238	0.638	0.811	0.234	91360	0.211	0.0114	0.044	0.704	0.005	477	11	190	1.002
9/27/2022	7:29:07	-0.319	0.0078	0.528	0.773	0.234	88641	0.206	0.0113	0.044	0.647	0.005	463	11	190	1.002
9/27/2022	7:30:07	-0.296	0.0174	0.630	0.762	0.232	92641	0.212	0.0116	0.045	0.579	0.005	475	11	190	1.002
9/27/2022	7:31:07	-0.421	0.0329	0.500	0.787	0.233	92423	0.214	0.0114	0.044	0.665	0.005	480	11	190	1.002
9/27/2022	7:32:07	-0.387	0.0281	0.466	0.825	0.234	94539	0.198	0.0117	0.046	0.732	0.005	486	11	190	1.002
9/27/2022	7:33:07	-0.350	0.0321	0.294	0.790	0.126	90981	0.212	0.0112	0.044	0.617	0.005	474	11	190	0.994
9/27/2022	7:34:07	-0.241	0.0317	0.029	0.866	0.015	100321	0.207	0.0118	0.049	0.758	0.005	509	11	190	0.992
9/27/2022	7:35:07	-0.221	0.0131	0.019	0.826	0.015	94114	0.218	0.0116	0.045	0.726	0.005	485	11	190	0.992
9/27/2022	7:36:07	-0.230	0.0322	0.003	0.761	0.016	87151	0.205	0.0110	0.043	0.563	0.005	456	11	190	0.992
9/27/2022	7:37:07	-0.246	0.0211	0.013	0.687	0.012	94288	0.215	0.0116	0.046	0.578	0.005	457	11	190	0.992
9/27/2022	7:38:07	-0.230	0.0026	-0.006	0.835	0.014	106189	0.211	0.0128	0.052	0.707	0.005	528	11	190	0.992
9/27/2022	7:39:07	-0.230	0.0135	-0.003	0.781	0.016	96455	0.201	0.0117	0.047	0.577	0.005	492	11	190	0.992
9/27/2022	7:40:07	-0.209	-0.0001	-0.028	0.810	0.017	93180	0.216	0.0113	0.046	0.647	0.005	482	11	190	0.992
9/27/2022	7:41:07	-0.308	0.0115	0.180	0.771	0.106	92467	0.212	0.0114	0.045	0.566	0.005	475	11	190	0.995
9/27/2022	7:42:07	-0.350	0.0174	1.142	0.733	0.253	88466	0.207	0.0113	0.044	0.554	0.005	465	11	190	1.001
9/27/2022	7:43:07	-0.415	0.0170	1.167	0.771	0.248	95251	0.199	0.0120	0.047	0.585	0.005	490	11	190	1.001
9/27/2022	7:44:08	-0.386	0.0365	0.885	0.802	0.252	91272	0.208	0.0116	0.045	0.641	0.005	470	11	190	1.001
9/27/2022	7:45:07	-0.443	0.0280	0.960	0.753	0.249	88475	0.207	0.0113	0.043	0.571	0.005	464	11	190	1.001
9/27/2022	7:46:07	-0.388	0.0241	1.032	0.792	0.249	91411	0.211	0.0116	0.045	0.645	0.005	474	11	190	1.002
9/27/2022	7:47:07	-0.379	0.0010	0.825	0.839	0.248	86800	0.207	0.0109	0.043	0.735	0.005	462	11	190	1.002
9/27/2022	7:48:07	-0.380	0.0318	0.815	0.666	0.249	90585	0.206	0.0115	0.044	0.593	0.005	444	11	190	1.002
9/27/2022	7:49:07	-0.387	0.0414	0.732	0.766	0.250	92343	0.213	0.0117	0.045	0.597	0.005	473	11	190	1.002
9/27/2022	7:50:07	-0.414	0.0201	0.586	0.777	0.246	96926	0.202	0.0119	0.047	0.612	0.005	500	11	190	1.002
9/27/2022	7:51:07	-0.338	0.0001	0.418	0.776	0.203	94915	0.198	0.0117	0.047	0.625	0.005	489	11	190	0.997
9/27/2022	7:52:07	-0.322	0.0286	0.023	0.830	0.012	122556	0.236	0.0140	0.059	0.696	0.006	598	10	190	0.992

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp (C)	Press (atm)
9/27/2022	7:53:07	-0.246	0.0106	0.016	0.803	0.013	99887	0.210	0.0120	0.049	0.620	0.005	518	11	190	0.991
9/27/2022	7:54:07	-0.294	0.0354	0.007	0.841	0.014	104576	0.217	0.0122	0.051	0.726	0.005	538	11	190	0.991
9/27/2022	7:55:07	-0.230	0.0258	0.000	0.808	0.013	97881	0.210	0.0118	0.048	0.624	0.005	517	11	190	0.991
9/27/2022	7:56:07	-0.284	0.0316	0.011	0.850	0.012	109365	0.222	0.0128	0.053	0.755	0.006	556	11	190	0.991
9/27/2022	7:57:07	-0.200	0.0055	0.005	0.740	0.012	88846	0.215	0.0110	0.045	0.569	0.005	481	11	190	0.991
9/27/2022	7:58:07	-0.247	0.0138	-0.015	0.841	0.016	96290	0.209	0.0112	0.048	0.718	0.005	512	11	190	0.991
9/27/2022	7:59:07	-0.219	0.0170	0.009	0.774	0.014	89563	0.215	0.0109	0.044	0.598	0.005	481	11	190	0.991
9/27/2022	8:00:07	-0.248	0.0206	-0.005	0.784	0.014	99984	0.207	0.0119	0.049	0.610	0.005	511	11	190	0.991
9/27/2022	8:01:07	-0.231	0.0187	0.006	0.774	0.014	91618	0.219	0.0107	0.045	0.613	0.005	491	11	190	0.991
9/27/2022	8:02:07	-0.356	0.0320	0.188	0.788	0.144	98902	0.202	0.0121	0.047	0.616	0.005	503	11	190	0.996
9/27/2022	8:03:07	-0.370	0.0103	0.301	0.752	0.246	92687	0.217	0.0110	0.045	0.604	0.005	487	11	190	1.001
9/27/2022	8:04:07	-0.434	0.0111	0.280	0.808	0.246	86320	0.203	0.0107	0.042	0.666	0.005	458	11	190	1.001
9/27/2022	8:05:07	-0.389	0.0171	0.333	0.753	0.241	89279	0.211	0.0112	0.044	0.762	0.005	447	11	190	1.002
9/27/2022	8:06:07	-0.328	0.0334	0.100	0.772	0.043	107372	0.217	0.0126	0.051	0.575	0.005	541	10	190	0.992
9/27/2022	8:07:07	-0.253	0.0238	0.012	0.857	0.016	98735	0.208	0.0117	0.049	0.762	0.005	514	11	190	0.991
9/27/2022	8:08:07	-0.252	0.0291	-0.006	0.806	0.016	98987	0.208	0.0120	0.049	0.638	0.005	512	11	190	0.991
9/27/2022	8:09:09	-0.284	0.0116	0.007	0.847	0.015	104279	0.217	0.0120	0.051	0.755	0.005	539	10	190	0.991
9/27/2022	8:10:07	-0.253	0.0183	-0.006	0.817	0.014	101157	0.212	0.0120	0.050	0.649	0.005	524	10	190	0.991
9/27/2022	8:11:07	-0.337	0.0365	0.403	0.709	0.252	82249	0.206	0.0106	0.041	0.505	0.005	453	11	190	0.996
9/27/2022	8:12:07	-0.498	0.0343	1.520	0.687	0.254	91754	0.215	0.0118	0.046	0.638	0.005	470	11	190	1.001
9/27/2022	8:13:07	-0.454	0.0302	1.280	0.772	0.249	91590	0.220	0.0118	0.046	0.636	0.005	490	11	190	1.002
9/27/2022	8:14:07	-0.406	0.0299	1.173	0.831	0.238	93986	0.225	0.0115	0.047	0.744	0.005	503	11	190	1.002
9/27/2022	8:15:07	-0.405	0.0350	0.913	0.763	0.234	91202	0.224	0.0110	0.045	0.597	0.005	499	11	190	1.002
9/27/2022	8:16:07	-0.439	0.0320	0.904	0.830	0.232	90368	0.227	0.0107	0.044	0.690	0.005	506	11	190	1.002
9/27/2022	8:17:07	-0.444	0.0222	0.669	0.800	0.228	91904	0.231	0.0103	0.045	0.667	0.005	517	11	190	1.002
9/27/2022	8:18:07	-0.337	0.0318	0.671	0.768	0.225	95886	0.215	0.0107	0.047	0.621	0.005	531	11	190	1.002
9/27/2022	8:19:07	-0.358	0.0163	0.644	0.832	0.227	87681	0.221	0.0100	0.044	0.728	0.005	496	11	190	1.002
9/27/2022	8:20:07	-0.387	0.0199	0.654	0.780	0.226	97486	0.216	0.0109	0.048	0.623	0.005	531	11	190	1.002
9/27/2022	8:21:07	-0.346	0.0081	0.254	0.837	0.081	94451	0.231	0.0106	0.046	0.720	0.005	518	11	190	0.993
9/27/2022	8:22:07	-0.289	0.0332	0.018	0.819	0.018	98761	0.220	0.0110	0.048	0.646	0.005	537	11	190	0.992
9/27/2022	8:23:10	-0.242	0.0076	-0.001	0.812	0.016	99215	0.216	0.0112	0.049	0.671	0.005	533	11	190	0.992
9/27/2022	8:24:07	-0.269	0.0263	-0.006	0.832	0.016	101684	0.219	0.0111	0.049	0.714	0.005	546	11	190	0.992
9/27/2022	8:25:07	-0.264	0.0110	-0.009	0.817	0.017	97489	0.215	0.0110	0.048	0.667	0.005	528	11	190	0.992
9/27/2022	8:26:09	-0.261	0.0087	-0.005	0.772	0.016	96153	0.209	0.0111	0.047	0.588	0.005	514	11	190	0.992
9/27/2022	8:27:07	-0.517	0.0259	1.051	0.687	0.384	80620	0.202	0.0104	0.040	0.496	0.005	450	11	190	1.000
9/27/2022	8:28:07	-0.439	0.0445	1.773	0.645	0.234	81262	0.201	0.0112	0.041	0.543	0.005	429	11	190	1.002
9/27/2022	8:29:07	-0.485	0.0243	1.712	0.681	0.230	91523	0.218	0.0123	0.046	0.609	0.005	467	11	190	1.002
9/27/2022	8:30:07	-0.349	0.0316	1.435	0.785	0.231	92328	0.223	0.0118	0.046	0.622	0.005	496	11	190	1.002
9/27/2022	8:31:07	-0.453	0.0329	1.106	0.817	0.232	91814	0.218	0.0116	0.045	0.720	0.005	489	11	190	1.002
9/27/2022	8:32:07	-0.419	0.0257	0.902	0.780	0.232	93204	0.222	0.0114	0.046	0.644	0.005	496	11	190	1.002
9/27/2022	8:33:07	-0.518	0.0233	0.796	0.829	0.231	94966	0.203	0.0117	0.046	0.724	0.005	494	11	190	1.002
9/27/2022	8:34:07	-0.396	0.0222	0.686	0.807	0.229	92858	0.220	0.0110	0.045	0.681	0.005	494	11	190	1.002

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp (C)	Press (atm)
9/27/2022	8:35:07	-0.419	0.0333	0.669	0.797	0.230	93741	0.220	0.0112	0.045	0.649	0.005	495	11	190	1.002
9/27/2022	8:36:07	-0.374	0.0320	0.658	0.814	0.233	86564	0.212	0.0107	0.041	0.658	0.005	471	11	190	1.002
9/27/2022	8:37:07	-0.329	0.0267	0.427	0.740	0.082	96438	0.203	0.0112	0.047	0.721	0.005	485	11	190	0.993
9/27/2022	8:38:07	-0.271	0.0227	0.054	0.805	0.015	99155	0.211	0.0115	0.047	0.627	0.005	520	11	190	0.992
9/27/2022	8:39:07	-0.242	0.0116	-0.001	0.798	0.016	97265	0.208	0.0112	0.047	0.599	0.005	510	11	190	0.992
9/27/2022	8:40:07	-0.246	0.0203	0.015	0.842	0.017	93832	0.221	0.0112	0.046	0.762	0.005	495	11	190	0.992
9/27/2022	8:41:07	-0.230	-0.0033	-0.009	0.762	0.016	94676	0.204	0.0112	0.047	0.584	0.005	501	11	190	0.992
9/27/2022	8:42:07	-0.238	0.0239	-0.006	0.850	0.016	95296	0.206	0.0111	0.047	0.778	0.005	504	11	190	0.992
9/27/2022	8:43:07	-0.345	0.0363	0.000	0.805	0.013	121126	0.239	0.0137	0.059	0.641	0.006	601	10	190	0.991
9/27/2022	8:44:07	-0.230	0.0144	-0.004	0.813	0.015	93038	0.222	0.0112	0.045	0.702	0.005	494	11	190	0.992
9/27/2022	8:45:07	-0.222	0.0038	-0.014	0.816	0.016	87636	0.214	0.0107	0.043	0.669	0.005	474	11	190	0.992
9/27/2022	8:46:07	-0.283	0.0208	0.003	0.679	0.014	88679	0.214	0.0107	0.044	0.612	0.005	459	11	190	0.991
9/27/2022	8:47:07	-0.225	0.0183	0.001	0.824	0.014	87375	0.215	0.0104	0.043	0.670	0.005	479	11	190	0.991
9/27/2022	8:48:07	-0.312	0.0178	0.007	0.745	0.013	98419	0.210	0.0114	0.047	0.754	0.005	503	11	190	0.991
9/27/2022	8:49:07	-0.442	0.0297	0.544	0.768	0.214	98927	0.208	0.0118	0.049	0.597	0.005	516	11	190	0.995
9/27/2022	8:50:07	-0.395	0.0341	1.591	0.773	0.242	92424	0.224	0.0120	0.047	0.641	0.005	495	11	190	1.001
9/27/2022	8:51:07	-0.473	0.0422	1.345	0.764	0.235	97841	0.214	0.0121	0.048	0.613	0.005	524	11	190	1.002
9/27/2022	8:52:07	-0.425	0.0281	1.170	0.824	0.237	86728	0.217	0.0109	0.044	0.726	0.005	486	11	190	1.002
9/27/2022	8:53:07	-0.475	0.0255	1.153	0.716	0.230	94392	0.226	0.0115	0.047	0.682	0.005	489	11	190	1.002
9/27/2022	8:54:07	-0.366	0.0374	0.953	0.806	0.227	93977	0.227	0.0116	0.046	0.711	0.005	511	11	190	1.002
9/27/2022	8:55:07	-0.428	0.0328	1.140	0.792	0.229	92353	0.227	0.0113	0.046	0.659	0.005	507	11	190	1.002
9/27/2022	8:56:07	-0.424	0.0281	0.951	0.835	0.230	86231	0.212	0.0106	0.043	0.700	0.005	479	11	190	1.002
9/27/2022	8:57:07	-0.548	0.0298	0.911	0.738	0.222	103703	0.216	0.0121	0.050	0.762	0.005	525	10	190	1.002
9/27/2022	8:58:07	-0.461	0.0303	0.699	0.815	0.224	93355	0.227	0.0109	0.046	0.660	0.005	506	11	190	1.002
9/27/2022	8:59:07	-0.432	0.0169	0.629	0.751	0.221	92365	0.221	0.0108	0.045	0.593	0.005	502	11	190	1.002
9/27/2022	9:00:07	-0.394	0.0176	0.568	0.837	0.219	92484	0.223	0.0109	0.044	0.776	0.005	500	11	190	1.002
9/27/2022	9:01:07	-0.422	0.0174	0.463	0.779	0.210	87971	0.216	0.0109	0.043	0.619	0.005	481	11	190	0.999
9/27/2022	9:02:07	-0.247	0.0260	0.078	0.803	0.015	93892	0.230	0.0109	0.046	0.631	0.005	506	11	190	0.991
9/27/2022	9:03:07	-0.297	0.0184	0.020	0.816	0.016	93388	0.229	0.0107	0.045	0.642	0.005	510	11	190	0.991
9/27/2022	9:04:07	-0.280	0.0217	0.017	0.810	0.013	99929	0.215	0.0115	0.048	0.632	0.005	530	11	190	0.991
9/27/2022	9:05:08	-0.244	-0.0037	-0.005	0.818	0.013	90077	0.220	0.0107	0.044	0.668	0.005	493	11	190	0.991
9/27/2022	9:06:07	-0.293	0.0082	-0.023	0.851	0.017	100523	0.215	0.0115	0.049	0.714	0.005	528	11	190	0.991
9/27/2022	9:07:07	-0.266	0.0168	-0.010	0.839	0.015	98743	0.210	0.0116	0.048	0.701	0.005	517	11	190	0.991
9/27/2022	9:08:07	-0.271	0.0028	**-0.007**	0.834	**0.015**	94343	0.222	0.0114	0.046	0.704	0.005	495	11	190	0.991
9/27/2022	9:09:07	-0.269	0.0161	**-0.003**	0.842	**0.015**	94627	0.203	0.0112	0.046	0.768	0.005	496	11	190	0.991
9/27/2022	9:10:09	-0.294	0.0175	-0.016	0.795	0.014	107079	0.220	0.0124	0.052	0.614	0.005	547	10	190	0.991
9/27/2022	9:11:07	-0.259	0.0043	-0.013	0.826	0.016	99641	0.207	0.0117	0.048	0.689	0.005	511	11	190	0.992
9/27/2022	9:12:07	-0.357	0.0248	1.301	0.772	0.216	91627	0.216	0.0117	0.045	0.593	0.005	474	11	190	1.001
9/27/2022	9:13:10	-0.352	0.0125	1.300	0.810	0.198	92380	0.217	0.0122	0.046	0.661	0.005	473	11	190	1.001
9/27/2022	9:14:07	-0.330	0.0314	1.129	0.823	0.200	96096	0.202	0.0122	0.047	0.678	0.005	493	11	190	1.001
9/27/2022	9:15:07	-0.391	0.0180	1.000	0.772	0.197	93536	0.198	0.0121	0.046	0.594	0.005	482	11	190	1.002
9/27/2022	9:16:07	-0.415	0.0254	1.117	0.768	0.200	89076	0.210	0.0116	0.043	0.595	0.005	471	11	190	1.002

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp (C)	Press (atm)
9/27/2022	9:17:07	-0.325	0.0122	0.736	0.767	0.222	95080	0.198	0.0120	0.047	0.583	0.005	485	11	190	1.002
9/27/2022	9:18:07	-0.403	0.0181	0.858	0.799	0.245	84091	0.199	0.0109	0.042	0.663	0.004	449	11	190	1.002
9/27/2022	9:19:07	-0.457	0.0146	0.794	0.702	0.245	92032	0.210	0.0117	0.045	0.647	0.005	450	11	190	1.002
9/27/2022	9:20:07	-0.469	0.0322	**0.957**	0.829	**0.250**	95433	0.197	0.0123	0.046	0.716	0.005	484	11	190	1.002
9/27/2022	9:21:07	-0.461	0.0349	**0.768**	0.777	**0.251**	95853	0.200	0.0119	0.046	0.594	0.005	491	11	190	1.002
9/27/2022	9:22:07	-0.479	0.0212	0.671	0.777	0.244	96046	0.199	0.0119	0.047	0.596	0.005	494	11	190	0.999
9/27/2022	9:23:07	-0.247	0.0143	0.066	0.782	0.019	94708	0.204	0.0113	0.046	0.596	0.005	498	11	190	0.992
9/27/2022	9:24:07	-0.251	0.0156	0.002	0.816	0.017	97412	0.207	0.0118	0.048	0.633	0.005	507	11	190	0.991
9/27/2022	9:25:07	-0.293	0.0203	0.011	0.797	0.013	100209	0.211	0.0120	0.049	0.613	0.005	520	11	190	0.991
9/27/2022	9:26:07	-0.253	0.0185	-0.012	0.802	0.016	96173	0.208	0.0116	0.048	0.626	0.005	508	11	190	0.992
9/27/2022	9:27:07	-0.272	0.0155	**-0.025**	0.797	**0.016**	94600	0.205	0.0113	0.047	0.603	0.005	498	11	190	0.992
9/27/2022	9:28:07	-0.276	0.0210	**0.000**	0.829	**0.014**	93053	0.221	0.0115	0.046	0.769	0.005	492	11	190	0.992
9/27/2022	9:29:07	-0.317	0.0313	0.003	0.834	0.016	93352	0.224	0.0114	0.045	0.730	0.005	499	11	190	0.992
9/27/2022	9:30:07	-0.310	0.0271	0.000	0.779	0.012	114587	0.227	0.0133	0.055	0.610	0.006	573	10	190	0.991
9/27/2022	9:31:07	-0.276	0.0197	0.095	0.787	0.074	94263	0.223	0.0114	0.046	0.619	0.005	494	11	190	0.994
9/27/2022	9:32:07	-0.400	0.0344	1.329	0.794	0.254	93133	0.219	0.0125	0.047	0.624	0.005	483	11	190	1.001
9/27/2022	9:33:07	-0.451	0.0486	1.269	0.804	0.240	92385	0.219	0.0119	0.046	0.696	0.005	484	11	190	1.001
9/27/2022	9:34:07	-0.375	0.0244	1.273	0.806	0.240	89938	0.210	0.0117	0.044	0.723	0.005	478	11	190	1.001
9/27/2022	9:35:07	-0.515	0.0500	1.107	0.829	0.241	100084	0.207	0.0126	0.048	0.732	0.005	510	11	190	1.002
9/27/2022	9:36:10	-0.433	0.0244	**0.866**	0.793	**0.244**	90305	0.211	0.0112	0.043	0.650	0.005	475	11	190	1.002
9/27/2022	9:37:07	-0.489	0.0433	**0.944**	0.781	**0.246**	96527	0.203	0.0122	0.046	0.614	0.005	500	11	190	1.002
9/27/2022	9:38:07	-0.447	0.0190	0.825	0.764	0.244	94375	0.198	0.0116	0.046	0.589	0.005	490	11	190	1.002
9/27/2022	9:39:07	-0.409	0.0247	0.698	0.771	0.244	93443	0.217	0.0115	0.045	0.595	0.005	487	11	190	1.000
9/27/2022	9:40:07	-0.298	0.0088	0.127	0.786	0.031	95439	0.202	0.0116	0.046	0.582	0.005	493	11	190	0.991
9/27/2022	9:41:07	-0.278	0.0130	0.017	0.808	0.014	99346	0.207	0.0119	0.048	0.609	0.005	512	11	190	0.991
9/27/2022	9:42:07	-0.295	0.0261	0.022	0.824	0.015	100439	0.208	0.0123	0.048	0.684	0.005	512	11	190	0.991
9/27/2022	9:43:07	-0.303	0.0246	0.012	0.803	0.015	101380	0.211	0.0123	0.048	0.640	0.005	521	11	190	0.991
9/27/2022	9:44:07	-0.287	0.0140	-0.006	0.807	0.015	100240	0.209	0.0120	0.048	0.642	0.005	514	11	190	0.991
9/27/2022	9:45:09	-0.290	0.0136	0.005	0.779	0.015	98104	0.208	0.0116	0.047	0.612	0.005	512	11	190	0.991
9/27/2022	9:46:07	-0.299	0.0259	0.008	0.781	0.015	96608	0.203	0.0121	0.046	0.576	0.005	496	11	190	0.991
9/27/2022	9:47:07	-0.249	0.0060	-0.036	0.774	0.017	93453	0.219	0.0113	0.046	0.571	0.005	490	11	190	0.991
9/27/2022	9:48:07	-0.372	0.0241	0.376	0.806	0.196	87329	0.208	0.0109	0.042	0.653	0.005	465	11	190	0.996
9/27/2022	9:49:07	-0.475	0.0502	2.053	0.701	0.235	93899	0.193	0.0131	0.047	0.660	0.005	458	11	190	1.002
9/27/2022	9:50:07	-0.422	0.0311	1.510	0.786	0.234	87385	0.207	0.0119	0.043	0.625	0.005	464	11	190	1.002
9/27/2022	9:51:07	-0.509	0.0390	1.878	0.773	0.234	94649	0.197	0.0130	0.048	0.593	0.005	483	11	190	1.002
9/27/2022	9:52:07	-0.403	0.0268	1.322	0.769	0.232	91930	0.214	0.0120	0.046	0.581	0.005	474	11	190	1.002
9/27/2022	9:53:07	-0.479	0.0251	1.170	0.797	0.229	100233	0.205	0.0127	0.049	0.600	0.005	502	11	190	1.002
9/27/2022	9:54:07	-0.429	0.0274	1.225	0.778	0.229	90333	0.209	0.0121	0.045	0.650	0.005	469	11	190	1.002
9/27/2022	9:55:07	-0.504	0.0354	1.079	0.798	0.227	98696	0.204	0.0123	0.048	0.628	0.005	500	11	190	1.002
9/27/2022	9:56:07	-0.443	0.0406	0.970	0.781	0.228	90334	0.209	0.0118	0.044	0.625	0.005	469	11	190	1.002
9/27/2022	9:57:07	-0.447	0.0260	0.806	0.813	0.225	90695	0.209	0.0116	0.044	0.701	0.005	469	11	190	1.002
9/27/2022	9:58:07	-0.424	0.0198	0.674	0.790	0.224	92241	0.211	0.0118	0.045	0.647	0.005	479	11	190	1.002

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp (C)	Press (atm)
9/27/2022	9:59:07	-0.411	0.0098	0.553	0.812	0.226	92213	0.212	0.0117	0.046	0.692	0.005	476	11	190	1.002
9/27/2022	10:00:09	-0.478	0.0264	0.528	0.845	0.227	98468	0.204	0.0121	0.048	0.739	0.005	501	11	190	1.002
9/27/2022	10:01:07	-0.390	0.0199	0.552	0.733	0.227	91341	0.211	0.0114	0.044	0.559	0.005	476	11	190	1.002
9/27/2022	10:02:07	-0.442	0.0150	0.536	0.815	0.225	94246	0.197	0.0119	0.046	0.708	0.005	487	11	190	1.002
9/27/2022	10:03:07	-0.338	0.0143	0.296	0.771	0.135	92362	0.214	0.0115	0.046	0.581	0.005	480	11	190	0.995
9/27/2022	10:04:07	-0.244	0.0031	0.011	0.823	0.018	95793	0.202	0.0116	0.047	0.641	0.005	493	11	190	0.992
9/27/2022	10:05:07	-0.272	0.0007	0.006	0.834	0.017	95150	0.202	0.0115	0.045	0.722	0.005	494	11	190	0.992
9/27/2022	10:06:07	-0.264	0.0163	-0.008	0.798	0.016	99766	0.206	0.0119	0.048	0.648	0.005	509	11	190	0.992
9/27/2022	10:07:07	-0.285	0.0119	**-0.012**	0.797	**0.018**	95632	0.205	0.0115	0.047	0.622	0.005	498	11	190	0.992
9/27/2022	10:08:07	-0.306	0.0192	**-0.006**	0.782	**0.016**	95142	0.204	0.0116	0.046	0.580	0.005	496	11	190	0.992
9/27/2022	10:09:07	-0.361	0.0334	0.288	0.752	0.203	82437	0.203	0.0105	0.041	0.563	0.005	446	11	190	0.996
9/27/2022	10:10:07	-0.435	0.0256	1.261	0.721	0.210	88057	0.209	0.0118	0.043	0.710	0.005	443	11	190	1.001
9/27/2022	10:11:07	-0.448	0.0301	1.215	0.753	0.233	95366	0.205	0.0122	0.047	0.576	0.005	497	11	190	1.002
9/27/2022	10:12:07	-0.484	0.0273	1.262	0.745	0.235	98530	0.207	0.0126	0.048	0.571	0.005	511	11	190	1.002
9/27/2022	10:13:07	-0.453	0.0291	1.105	0.818	0.230	95952	0.205	0.0121	0.047	0.697	0.005	503	11	190	1.002
9/27/2022	10:14:07	-0.430	0.0284	**0.883**	0.762	**0.226**	95915	0.204	0.0120	0.047	0.591	0.005	499	11	190	1.002
9/27/2022	10:15:07	-0.439	0.0447	**0.863**	0.764	**0.230**	87451	0.213	0.0112	0.043	0.614	0.005	473	11	190	1.002
9/27/2022	10:16:07	-0.426	0.0060	0.709	0.796	0.228	86693	0.207	0.0109	0.043	0.634	0.005	469	11	190	1.002
9/27/2022	10:17:07	-0.248	-0.0055	0.292	0.335	0.086	42800	0.125	0.0074	0.026	0.293	0.003	228	11	190	0.993
9/27/2022	10:18:07	0.116	-0.0306	0.008	0.082	0.001	17284	0.242	0.0063	0.017	0.171	0.007	116	12	190	0.990
9/27/2022	10:19:07	-0.168	-0.0310	-0.009	0.044	0.001	12646	0.213	0.0061	0.016	0.132	0.006	74	12	190	0.990
9/27/2022	10:20:07	-0.294	-0.0251	0.019	0.131	-0.002	37497	0.169	0.0070	0.023	0.364	0.004	200	11	190	0.990
9/27/2022	10:21:07	-0.259	-0.0151	0.025	0.421	0.004	53939	0.154	0.0084	0.028	0.508	0.004	258	11	190	0.990
9/27/2022	10:22:07	-0.246	-0.0011	0.025	0.367	0.006	62009	0.166	0.0088	0.031	0.389	0.004	306	11	190	0.990
9/27/2022	10:23:07	-0.274	-0.0068	0.006	0.514	0.010	71465	0.181	0.0094	0.036	0.450	0.004	360	11	190	0.991
9/27/2022	10:24:07	-0.270	0.0087	-0.008	0.562	0.008	79174	0.192	0.0102	0.040	0.530	0.004	390	11	190	0.991
9/27/2022	10:25:07	-0.328	0.0075	-0.003	0.727	0.011	95979	0.201	0.0115	0.047	0.668	0.005	475	11	190	0.991
9/27/2022	10:26:07	-0.343	0.0116	-0.001	0.803	0.013	118832	0.231	0.0136	0.057	0.639	0.006	583	10	190	0.991
9/27/2022	10:27:08	-0.328	0.0300	-0.025	0.820	0.017	91890	0.219	0.0114	0.045	0.662	0.005	484	11	190	0.991
9/27/2022	10:28:07	-0.315	0.0190	0.017	0.842	0.014	94281	0.223	0.0117	0.045	0.743	0.005	497	11	190	0.991
9/27/2022	10:29:07	-0.315	0.0153	0.001	0.838	0.014	104276	0.213	0.0124	0.050	0.722	0.005	528	10	190	0.991
9/27/2022	10:30:07	-0.421	0.0131	0.121	0.752	0.233	91981	0.217	0.0112	0.044	0.582	0.005	485	11	190	0.996
9/27/2022	10:31:07	-0.524	0.0085	0.324	0.711	0.278	80779	0.199	0.0103	0.039	0.527	0.005	440	11	190	1.001
9/27/2022	10:32:10	-0.513	0.0116	0.310	0.722	0.274	87744	0.207	0.0108	0.043	0.688	0.005	446	11	190	1.001
9/27/2022	10:33:07	-0.555	0.0175	0.281	0.756	0.251	88753	0.216	0.0106	0.043	0.599	0.005	483	11	190	0.999
9/27/2022	10:34:07	-0.301	0.0221	0.023	0.837	0.016	102996	0.218	0.0117	0.050	0.662	0.005	537	10	190	0.991
9/27/2022	10:35:07	-0.266	0.0001	0.002	0.783	0.016	93644	0.224	0.0108	0.046	0.594	0.005	504	11	190	0.991
9/27/2022	10:36:09	-0.306	0.0002	-0.009	0.816	0.017	100918	0.220	0.0109	0.049	0.643	0.005	540	11	190	0.991
9/27/2022	10:37:07	-0.292	0.0026	-0.014	0.781	0.015	97366	0.215	0.0107	0.047	0.601	0.005	526	11	190	0.991
9/27/2022	10:38:07	-0.277	-0.0074	0.007	0.802	0.015	90779	0.225	0.0104	0.044	0.659	0.005	503	11	190	0.991
9/27/2022	10:39:07	-0.256	0.0028	-0.018	0.803	0.016	91069	0.223	0.0103	0.045	0.653	0.005	501	11	190	0.991
9/27/2022	10:40:07	-0.309	0.0122	-0.002	0.832	0.014	105878	0.223	0.0118	0.051	0.671	0.006	556	10	190	0.991

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp (C)	Press (atm)
9/27/2022	10:41:07	-0.297	-0.0023	**-0.010**	0.778	**0.015**	97578	0.215	0.0108	0.047	0.604	0.005	527	11	190	0.991
9/27/2022	10:42:08	-0.263	0.0145	**-0.032**	0.834	**0.017**	91225	0.223	0.0104	0.045	0.687	0.005	501	11	190	0.992
9/27/2022	10:43:07	-0.324	-0.0057	-0.017	0.854	0.012	111297	0.230	0.0121	0.055	0.732	0.006	578	10	190	0.991
9/27/2022	10:44:07	-0.303	0.0228	0.007	0.788	0.016	88008	0.218	0.0103	0.042	0.627	0.005	486	11	190	0.992
9/27/2022	10:45:08	-0.318	0.0147	0.218	0.727	0.120	88490	0.216	0.0104	0.043	0.659	0.005	464	11	190	0.994
9/27/2022	10:46:08	-0.438	0.0227	1.029	0.770	0.262	85121	0.210	0.0108	0.041	0.594	0.005	471	11	190	1.001
9/27/2022	10:47:07	-0.498	0.0266	1.504	0.732	0.253	95625	0.196	0.0123	0.048	0.730	0.005	472	11	190	1.001
9/27/2022	10:48:07	-0.474	0.0311	1.297	0.757	0.259	88306	0.209	0.0118	0.043	0.618	0.005	465	11	190	1.001
9/27/2022	10:49:07	-0.450	0.0059	1.105	0.755	0.256	90785	0.211	0.0120	0.046	0.561	0.005	469	11	190	1.001
9/27/2022	10:50:07	-0.528	0.0212	0.979	0.737	0.254	95198	0.196	0.0124	0.047	0.543	0.005	482	11	190	1.002
9/27/2022	10:51:08	-0.442	0.0162	**0.887**	0.803	**0.254**	89231	0.210	0.0116	0.044	0.709	0.005	466	11	190	1.002
9/27/2022	10:52:08	-0.517	0.0459	**0.858**	0.772	**0.249**	98741	0.205	0.0127	0.048	0.594	0.005	504	11	190	1.002
9/27/2022	10:53:07	-0.452	0.0143	0.686	0.761	0.250	91494	0.218	0.0118	0.046	0.586	0.005	481	11	190	1.002
9/27/2022	10:54:07	-0.451	0.0225	0.434	0.834	0.163	107712	0.217	0.0135	0.052	0.673	0.006	537	10	190	0.998
9/27/2022	10:55:07	-0.288	0.0241	0.022	0.840	0.015	103130	0.215	0.0121	0.050	0.745	0.005	532	11	190	0.993
9/27/2022	10:56:07	-0.242	-0.0101	-0.003	0.753	0.016	94027	0.204	0.0115	0.047	0.569	0.005	494	11	190	0.993
9/27/2022	10:57:07	-0.263	0.0226	-0.011	0.804	0.017	99102	0.211	0.0118	0.047	0.651	0.005	516	11	190	0.993
9/27/2022	10:58:07	-0.264	0.0199	**-0.011**	0.786	**0.016**	94589	0.203	0.0116	0.046	0.608	0.005	494	11	190	0.993
9/27/2022	10:59:07	-0.305	0.0226	**-0.013**	0.801	**0.016**	101218	0.211	0.0121	0.048	0.634	0.005	519	11	190	0.993
9/27/2022	11:00:08	-0.266	0.0053	-0.023	0.794	0.016	102125	0.212	0.0122	0.049	0.676	0.005	523	11	190	0.993
9/27/2022	11:01:07	-0.488	0.0166	0.531	0.747	0.264	87740	0.207	0.0112	0.043	0.592	0.005	465	11	190	0.999
9/27/2022	11:02:09	-0.422	0.0312	1.422	0.822	0.246	89986	0.209	0.0120	0.045	0.718	0.005	468	11	190	1.002
9/27/2022	11:03:07	-0.423	0.0269	1.178	0.761	0.245	89512	0.211	0.0118	0.044	0.640	0.005	468	11	190	1.002
9/27/2022	11:04:07	-0.418	0.0193	**0.941**	0.758	**0.243**	91081	0.212	0.0116	0.044	0.606	0.005	481	11	190	1.002
9/27/2022	11:05:07	-0.408	0.0169	**0.808**	0.796	**0.244**	90909	0.210	0.0117	0.044	0.676	0.005	471	11	190	1.002
9/27/2022	11:06:07	-0.399	0.0028	0.747	0.753	0.246	88862	0.205	0.0115	0.044	0.610	0.005	461	11	190	1.002
9/27/2022	11:07:07	-0.512	0.0268	1.002	0.747	0.249	95458	0.198	0.0125	0.047	0.570	0.005	484	11	190	1.002
9/27/2022	11:08:07	-0.507	0.0241	0.882	0.741	0.250	92573	0.213	0.0120	0.044	0.559	0.005	478	11	190	1.002
9/27/2022	11:09:07	-0.297	-0.0003	0.230	0.758	0.051	88583	0.209	0.0113	0.043	0.567	0.005	464	11	190	0.992
9/27/2022	11:10:07	-0.245	-0.0019	0.011	0.762	0.015	90598	0.211	0.0114	0.044	0.602	0.005	469	11	190	0.991
9/27/2022	11:11:07	-0.258	0.0180	**-0.006**	0.775	**0.016**	90541	0.213	0.0112	0.043	0.631	0.005	471	11	190	0.991
9/27/2022	11:12:07	-0.244	0.0058	**-0.034**	0.744	**0.017**	92628	0.216	0.0113	0.045	0.555	0.005	482	11	190	0.991
9/27/2022	11:13:07	-0.275	0.0131	-0.014	0.816	0.016	93878	0.217	0.0116	0.045	0.653	0.005	482	11	190	0.991
9/27/2022	11:14:10	-0.310	0.0198	0.525	0.737	0.208	85066	0.202	0.0113	0.042	0.564	0.005	451	11	190	1.000
9/27/2022	11:15:10	-0.497	0.0281	1.241	0.677	0.241	99289	0.197	0.0133	0.049	0.594	0.005	475	11	190	1.002
9/27/2022	11:16:07	-0.534	0.0190	1.017	0.781	0.244	93062	0.197	0.0120	0.045	0.654	0.005	482	11	190	1.002
9/27/2022	11:17:07	-0.402	0.0192	0.935	0.754	0.242	93885	0.197	0.0121	0.047	0.564	0.005	484	11	190	1.002
9/27/2022	11:18:07	-0.507	0.0154	0.967	0.747	0.240	95426	0.202	0.0121	0.047	0.581	0.005	496	11	190	1.002
9/27/2022	11:19:07	-0.417	0.0231	**1.181**	0.778	**0.239**	90070	0.215	0.0116	0.045	0.648	0.005	480	11	190	1.002
9/27/2022	11:20:07	-0.445	0.0074	**0.839**	0.762	**0.238**	96455	0.205	0.0121	0.047	0.590	0.005	502	11	190	1.002
9/27/2022	11:21:07	-0.493	0.0303	0.646	0.797	0.237	91970	0.220	0.0112	0.044	0.698	0.005	490	11	190	1.002
9/27/2022	11:22:10	-0.528	0.0315	0.708	0.814	0.234	95109	0.205	0.0116	0.046	0.720	0.005	502	11	190	1.002

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp (C)	Press (atm)
9/27/2022	11:23:10	-0.457	0.0179	0.602	0.776	0.234	84254	0.209	0.0105	0.041	0.614	0.005	464	11	190	1.002
9/27/2022	11:24:07	-0.348	-0.0062	0.222	0.580	0.089	72208	0.189	0.0093	0.035	0.456	0.004	392	11	190	0.995
9/27/2022	11:25:07	-0.279	0.0041	0.002	0.588	0.010	82880	0.205	0.0102	0.041	0.612	0.005	418	11	190	0.992
9/27/2022	11:26:07	-0.295	-0.0087	-0.002	0.668	0.012	93455	0.222	0.0111	0.045	0.581	0.005	476	11	190	0.992
9/27/2022	11:27:07	-0.322	0.0211	**-0.020**	0.788	**0.015**	109073	0.225	0.0123	0.051	0.643	0.006	559	10	190	0.992
9/27/2022	11:28:07	-0.277	0.0143	**-0.021**	0.802	**0.016**	98913	0.213	0.0113	0.047	0.662	0.005	523	11	190	0.992
9/27/2022	11:29:07	-0.368	0.0064	0.421	0.752	0.202	85788	0.213	0.0104	0.042	0.617	0.005	472	11	190	0.999
9/27/2022	11:30:07	-0.540	0.0302	0.958	0.662	0.249	96423	0.204	0.0116	0.046	0.611	0.005	487	11	190	1.002
9/27/2022	11:31:07	-0.483	0.0315	1.122	0.765	0.252	95769	0.205	0.0117	0.047	0.593	0.005	504	11	190	1.002
9/27/2022	11:32:07	-0.453	0.0163	**0.849**	0.776	**0.252**	88930	0.215	0.0113	0.043	0.660	0.005	484	11	190	1.002
9/27/2022	11:33:07	-0.470	0.0107	**0.764**	0.769	**0.253**	94735	0.207	0.0116	0.047	0.629	0.005	508	11	190	1.002
9/27/2022	11:34:07	-0.487	0.0193	0.764	0.765	0.251	88006	0.214	0.0107	0.043	0.610	0.005	481	11	190	1.002
9/27/2022	11:35:07	-0.518	0.0289	0.605	0.777	0.254	84254	0.210	0.0104	0.042	0.607	0.005	467	11	190	1.002
9/27/2022	11:36:07	-0.330	0.0228	0.251	0.705	0.080	84398	0.208	0.0103	0.042	0.632	0.005	443	11	190	0.994
9/27/2022	11:37:07	-0.277	-0.0081	-0.010	0.686	0.014	91565	0.220	0.0109	0.046	0.632	0.005	466	11	190	0.992
9/27/2022	11:38:07	-0.313	0.0025	0.017	0.783	0.015	94435	0.207	0.0110	0.046	0.629	0.005	504	11	190	0.992
9/27/2022	11:39:07	-0.280	0.0048	0.000	0.761	0.016	97476	0.212	0.0112	0.047	0.602	0.005	517	11	190	0.992
9/27/2022	11:40:10	-0.298	0.0055	**-0.025**	0.785	**0.017**	101176	0.218	0.0114	0.048	0.651	0.005	535	11	190	0.992
9/27/2022	11:41:07	-0.260	0.0183	**-0.027**	0.767	**0.016**	91596	0.222	0.0109	0.045	0.631	0.005	494	11	190	0.992
9/27/2022	11:42:09	-0.308	0.0089	-0.035	0.800	0.017	100568	0.216	0.0116	0.048	0.666	0.005	530	11	190	0.992
9/27/2022	11:43:08	-0.440	0.0190	1.059	0.729	0.255	83658	0.208	0.0110	0.042	0.545	0.005	455	11	190	0.999
9/27/2022	11:44:07	-0.480	0.0263	1.733	0.673	0.248	97373	0.205	0.0127	0.049	0.616	0.005	489	11	190	1.001
9/27/2022	11:45:07	-0.448	0.0272	1.623	0.803	0.245	96759	0.207	0.0125	0.048	0.730	0.005	508	11	190	1.001
9/27/2022	11:46:07	-0.437	0.0197	1.557	0.771	0.243	91544	0.220	0.0119	0.046	0.609	0.005	491	11	190	1.002
9/27/2022	11:47:09	-0.433	0.0233	1.322	0.811	0.245	88272	0.210	0.0116	0.045	0.661	0.005	474	11	190	1.002
9/27/2022	11:48:07	-0.415	0.0316	1.071	0.822	0.242	92121	0.221	0.0116	0.046	0.662	0.005	488	11	190	1.002
9/27/2022	11:49:07	-0.493	0.0359	**0.934**	0.820	**0.241**	87548	0.213	0.0110	0.042	0.688	0.005	473	11	190	1.002
9/27/2022	11:50:07	-0.515	0.0179	**0.814**	0.760	**0.240**	91952	0.220	0.0114	0.045	0.601	0.005	485	11	190	1.002
9/27/2022	11:51:07	-0.451	0.0104	0.727	0.778	0.239	91955	0.219	0.0116	0.046	0.667	0.005	487	11	190	1.002
9/27/2022	11:52:07	-0.431	0.0082	0.668	0.779	0.234	92784	0.218	0.0112	0.046	0.621	0.005	489	11	190	1.002
9/27/2022	11:53:07	-0.379	0.0198	0.286	0.777	0.081	97678	0.210	0.0114	0.047	0.593	0.005	515	11	190	0.994
9/27/2022	11:54:07	-0.251	0.0071	0.010	0.712	0.014	81568	0.205	0.0099	0.040	0.519	0.005	452	11	190	0.991
9/27/2022	11:55:09	-0.354	0.0148	0.000	0.690	0.012	101063	0.208	0.0121	0.048	0.628	0.005	495	11	190	0.991
9/27/2022	11:56:07	-0.321	0.0153	-0.019	0.839	0.014	115294	0.226	0.0133	0.055	0.714	0.006	570	10	190	0.992
9/27/2022	11:57:07	-0.260	0.0111	-0.017	0.778	0.016	93743	0.221	0.0114	0.045	0.669	0.005	492	11	190	0.992
9/27/2022	11:58:07	-0.274	0.0064	**-0.030**	0.829	**0.015**	94839	0.205	0.0113	0.046	0.761	0.005	498	11	190	0.991
9/27/2022	11:59:07	-0.275	0.0076	**-0.038**	0.788	**0.015**	101682	0.210	0.0119	0.049	0.668	0.005	520	11	190	0.991
9/27/2022	12:00:09	-0.336	0.0058	-0.018	0.797	0.066	99264	0.210	0.0119	0.048	0.677	0.005	512	11	190	0.992
9/27/2022	12:01:08	-0.594	0.0219	0.953	0.750	0.256	93147	0.218	0.0121	0.046	0.618	0.005	481	11	190	1.001
9/27/2022	12:02:07	-0.460	0.0076	1.007	0.773	0.248	92887	0.213	0.0122	0.046	0.690	0.005	481	11	190	1.002
9/27/2022	12:03:07	-0.485	0.0174	0.856	0.792	0.249	93648	0.198	0.0118	0.046	0.706	0.005	484	11	190	1.002
9/27/2022	12:04:07	-0.419	0.0158	0.787	0.823	0.248	95173	0.201	0.0118	0.047	0.764	0.005	491	11	190	1.002

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp (C)	Press (atm)
9/27/2022	12:05:07	-0.503	0.0137	0.729	0.815	0.248	93922	0.199	0.0118	0.046	0.753	0.005	485	11	190	1.002
9/27/2022	12:06:07	-0.467	0.0313	**0.824**	0.798	**0.242**	104794	0.211	0.0128	0.051	0.683	0.005	526	10	190	1.002
9/27/2022	12:07:07	-0.500	0.0142	**0.738**	0.761	**0.244**	98330	0.207	0.0122	0.048	0.606	0.005	505	11	190	1.002
9/27/2022	12:08:07	-0.474	0.0220	0.564	0.797	0.160	93002	0.219	0.0117	0.045	0.670	0.005	484	11	190	0.997
9/27/2022	12:09:07	-0.283	0.0148	0.036	0.786	0.014	91029	0.218	0.0113	0.045	0.619	0.005	475	11	190	0.992
9/27/2022	12:10:10	-0.344	0.0148	0.006	0.793	0.015	111463	0.223	0.0131	0.053	0.617	0.006	558	10	190	0.992
9/27/2022	12:11:07	-0.298	0.0201	**-0.007**	0.795	**0.015**	95951	0.204	0.0117	0.046	0.677	0.005	498	11	190	0.992
9/27/2022	12:12:07	-0.290	0.0010	**-0.041**	0.769	**0.016**	96908	0.206	0.0115	0.047	0.594	0.005	503	11	190	0.992
9/27/2022	12:13:07	-0.294	0.0098	-0.031	0.790	0.018	100052	0.210	0.0120	0.048	0.653	0.005	514	11	190	0.992
9/27/2022	12:14:07	-0.286	0.0135	-0.041	0.743	0.017	95982	0.206	0.0118	0.046	0.580	0.005	501	11	190	0.992
9/27/2022	12:15:07	-0.404	0.0175	0.951	0.737	0.267	84220	0.207	0.0111	0.041	0.561	0.005	452	11	190	1.000
9/27/2022	12:16:07	-0.457	0.0200	1.227	0.707	0.237	100152	0.204	0.0127	0.049	0.746	0.005	489	10	190	1.001
9/27/2022	12:17:07	-0.465	0.0223	1.227	0.734	0.241	93512	0.198	0.0122	0.046	0.564	0.005	487	11	190	1.002
9/27/2022	12:18:07	-0.448	0.0227	1.170	0.791	0.239	91706	0.213	0.0119	0.045	0.711	0.005	479	11	190	1.002
9/27/2022	12:19:07	-0.442	0.0131	0.880	0.759	0.243	90079	0.212	0.0118	0.044	0.655	0.005	474	11	190	1.002
9/27/2022	12:20:07	-0.488	0.0124	0.977	0.789	0.243	102359	0.207	0.0129	0.050	0.634	0.005	517	11	190	1.002
9/27/2022	12:21:07	-0.410	0.0242	1.365	0.760	0.245	96110	0.204	0.0122	0.047	0.600	0.005	501	11	190	1.002
9/27/2022	12:22:07	-0.455	0.0183	1.052	0.751	0.246	96168	0.201	0.0123	0.047	0.596	0.005	497	11	190	1.002
9/27/2022	12:23:07	-0.470	0.0066	0.786	0.746	0.247	95725	0.198	0.0122	0.047	0.566	0.005	488	11	190	1.002
9/27/2022	12:24:07	-0.488	0.0239	**0.789**	0.761	**0.248**	95373	0.201	0.0121	0.046	0.593	0.005	489	11	190	1.002
9/27/2022	12:25:07	-0.482	0.0256	**0.896**	0.756	**0.246**	97728	0.202	0.0123	0.048	0.599	0.005	496	11	190	1.002
9/27/2022	12:26:07	-0.402	-0.0025	0.407	0.798	0.097	100645	0.208	0.0126	0.050	0.619	0.005	505	11	190	0.995
9/27/2022	12:27:07	-0.311	0.0183	0.038	0.785	0.016	100789	0.210	0.0121	0.048	0.616	0.005	514	11	190	0.992
9/27/2022	12:28:07	-0.273	-0.0134	0.003	0.827	0.014	102943	0.210	0.0124	0.049	0.747	0.005	518	11	190	0.992
9/27/2022	12:29:07	-0.307	0.0199	-0.009	0.847	0.016	104562	0.215	0.0125	0.050	0.798	0.005	530	11	190	0.992
9/27/2022	12:30:10	-0.278	0.0152	**-0.030**	0.746	**0.018**	92370	0.219	0.0111	0.045	0.561	0.005	488	11	190	0.992
9/27/2022	12:31:07	-0.284	-0.0022	**-0.026**	0.764	**0.014**	91732	0.215	0.0115	0.045	0.605	0.005	481	11	190	0.992
9/27/2022	12:32:07	-0.276	-0.0056	-0.045	0.759	0.016	93275	0.218	0.0115	0.045	0.637	0.005	487	11	190	0.992
9/27/2022	12:33:07	-0.439	0.0101	1.255	0.713	0.295	84784	0.204	0.0117	0.043	0.506	0.005	442	11	190	1.002
9/27/2022	12:34:07	-0.517	0.0432	1.892	0.714	0.218	87325	0.208	0.0126	0.044	0.675	0.005	443	11	190	1.002
9/27/2022	12:35:09	-0.481	0.0641	2.279	0.746	0.219	95913	0.205	0.0137	0.049	0.580	0.005	502	11	190	1.002
9/27/2022	12:36:07	-0.406	0.0300	1.914	0.794	0.218	92100	0.214	0.0128	0.047	0.649	0.005	488	11	190	1.002
9/27/2022	12:37:07	-0.437	0.0188	1.328	0.798	0.217	92806	0.220	0.0118	0.047	0.667	0.005	490	11	190	1.002
9/27/2022	12:38:07	-0.476	0.0166	1.375	0.791	0.215	87074	0.210	0.0116	0.044	0.645	0.005	468	11	190	1.002
9/27/2022	12:39:07	-0.486	0.0243	1.365	0.701	0.215	86779	0.209	0.0116	0.042	0.647	0.005	441	11	190	1.002
9/27/2022	12:40:07	-0.437	0.0112	1.071	0.717	0.215	90944	0.214	0.0117	0.045	0.722	0.005	459	11	190	1.002
9/27/2022	12:41:07	-0.449	0.0146	**0.857**	0.773	**0.218**	89219	0.215	0.0110	0.044	0.599	0.005	480	11	190	1.002
9/27/2022	12:42:07	-0.477	0.0166	**0.796**	0.775	**0.242**	88381	0.212	0.0113	0.044	0.613	0.005	477	11	190	1.002
9/27/2022	12:43:07	-0.492	0.0015	0.775	0.778	0.242	97652	0.205	0.0120	0.048	0.616	0.005	504	11	190	1.002
9/27/2022	12:44:07	-0.448	0.0213	0.729	0.749	0.242	94915	0.204	0.0117	0.046	0.574	0.005	497	11	190	1.002
9/27/2022	12:45:07	-0.347	0.0127	0.285	0.765	0.082	96309	0.207	0.0115	0.048	0.581	0.005	504	11	190	0.994
9/27/2022	12:46:07	-0.293	0.0068	0.014	0.784	0.017	89506	0.217	0.0112	0.044	0.599	0.005	478	11	190	0.992

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp (C)	Press (atm)
9/27/2022	12:47:07	-0.308	0.0081	**-0.030**	0.760	**0.017**	106315	0.220	0.0119	0.051	0.597	0.005	546	11	190	0.992
9/27/2022	12:48:07	-0.286	0.0151	**-0.032**	0.749	**0.018**	91067	0.221	0.0111	0.044	0.565	0.005	487	11	190	0.992
9/27/2022	12:49:07	-0.310	0.0150	-0.019	0.770	0.016	108867	0.220	0.0126	0.051	0.619	0.006	549	10	190	0.992
9/27/2022	12:50:07	-0.370	0.0095	0.456	0.737	0.184	95313	0.204	0.0115	0.046	0.564	0.005	499	11	190	0.997
9/27/2022	12:51:07	-0.512	0.0149	1.207	0.758	0.280	90933	0.218	0.0118	0.045	0.628	0.005	479	11	190	1.002
9/27/2022	12:52:07	-0.572	0.0217	1.247	0.759	0.278	92559	0.200	0.0119	0.046	0.619	0.005	486	11	190	1.002
9/27/2022	12:53:09	-0.532	0.0215	1.081	0.748	0.277	86127	0.209	0.0110	0.043	0.598	0.005	467	11	190	1.002
9/27/2022	12:54:07	-0.517	0.0247	1.005	0.681	0.269	89861	0.211	0.0114	0.044	0.682	0.005	458	11	190	1.002
9/27/2022	12:55:07	-0.531	0.0394	1.005	0.776	0.272	99684	0.213	0.0123	0.048	0.641	0.005	523	10	190	1.002
9/27/2022	12:56:07	-0.534	0.0174	**0.851**	0.766	**0.268**	97329	0.210	0.0119	0.048	0.595	0.005	516	11	190	1.002
9/27/2022	12:57:07	-0.456	0.0204	**0.767**	0.833	**0.245**	90393	0.222	0.0112	0.044	0.725	0.005	496	11	190	1.002
9/27/2022	12:58:07	-0.488	-0.0059	0.716	0.776	0.246	85626	0.212	0.0106	0.042	0.623	0.005	474	11	190	1.002
9/27/2022	12:59:07	-0.500	0.0292	0.749	0.656	0.237	95464	0.207	0.0117	0.047	0.590	0.005	489	11	190	1.002
9/27/2022	13:00:07	-0.387	0.0110	0.259	0.777	0.083	91460	0.226	0.0111	0.046	0.623	0.005	494	11	190	0.996
9/27/2022	13:01:07	-0.296	0.0093	-0.011	0.766	0.017	91749	0.228	0.0109	0.045	0.597	0.005	496	11	190	0.993
9/27/2022	13:02:07	-0.339	0.0237	-0.016	0.764	0.018	107981	0.225	0.0124	0.052	0.604	0.006	558	10	190	0.993
9/27/2022	13:03:07	-0.324	0.0109	-0.012	0.756	0.017	97905	0.215	0.0111	0.047	0.595	0.005	525	11	190	0.992
9/27/2022	13:04:07	-0.302	0.0195	-0.060	0.820	0.018	106094	0.220	0.0123	0.052	0.751	0.005	543	10	190	0.993
9/27/2022	13:05:07	-0.294	0.0191	-0.035	0.758	0.018	92181	0.222	0.0113	0.044	0.614	0.005	494	11	190	0.992
9/27/2022	13:06:07	-0.334	0.0249	-0.032	0.771	0.019	93461	0.226	0.0113	0.044	0.641	0.005	499	11	190	0.993
9/27/2022	13:07:07	-0.284	0.0225	-0.039	0.797	0.019	89493	0.218	0.0108	0.042	0.658	0.005	481	11	190	0.992
9/27/2022	13:08:07	-0.318	0.0237	-0.051	0.762	0.017	98394	0.210	0.0119	0.047	0.624	0.005	514	10	190	0.992
9/27/2022	13:09:07	-0.311	0.0172	-0.036	0.736	0.015	96814	0.209	0.0115	0.046	0.579	0.005	510	10	190	0.992
9/27/2022	13:10:07	-0.293	0.0028	-0.063	0.731	0.017	95141	0.208	0.0113	0.046	0.578	0.005	506	11	190	0.993
9/27/2022	13:11:07	-0.297	0.0124	-0.071	0.747	0.016	98255	0.211	0.0114	0.048	0.612	0.005	516	10	190	0.993
9/27/2022	13:12:07	-0.160	0.0057	-0.026	0.668	0.012	82865	0.182	0.0087	0.040	0.530	0.004	437	11	190	0.993
9/27/2022	13:13:07	-0.135	0.0056	0.015	0.491	0.008	71212	0.153	0.0074	0.034	0.430	0.003	361	12	190	0.992
9/27/2022	13:14:07	-0.152	-0.0135	0.015	0.429	0.004	71764	0.154	0.0072	0.035	0.444	0.003	346	12	190	0.992
9/27/2022	13:15:07	-0.152	-0.0108	0.017	0.431	0.004	71808	0.156	0.0071	0.034	0.454	0.003	354	12	190	0.992
9/27/2022	13:16:07	-0.172	-0.0055	0.004	0.449	0.005	71218	0.151	0.0073	0.034	0.448	0.003	345	12	190	0.992
9/27/2022	13:17:09	-0.145	-0.0072	0.006	0.448	0.005	72380	0.156	0.0073	0.035	0.463	0.003	351	12	190	0.992
9/27/2022	13:18:07	-0.152	0.0031	0.020	0.463	0.003	73696	0.158	0.0074	0.035	0.473	0.003	360	12	190	0.992
9/27/2022	13:19:07	-0.166	-0.0094	0.012	0.461	0.004	75233	0.163	0.0074	0.036	0.478	0.003	368	12	190	0.992
9/27/2022	13:20:07	-0.175	-0.0108	0.006	0.489	0.004	76628	0.169	0.0074	0.036	0.512	0.004	383	12	190	0.992
9/27/2022	13:21:07	-0.151	-0.0059	0.010	0.568	0.008	78509	0.170	0.0077	0.037	0.508	0.004	398	12	190	0.992
9/27/2022	13:22:07	-0.144	0.0004	0.006	0.596	0.008	80164	0.175	0.0077	0.038	0.539	0.004	406	12	190	0.992
9/27/2022	13:23:07	-0.153	0.0006	0.007	0.616	0.007	81746	0.175	0.0080	0.038	0.561	0.004	408	12	190	0.992
9/27/2022	13:24:07	-0.143	0.0093	0.002	0.635	0.008	83399	0.180	0.0080	0.039	0.576	0.004	415	12	190	0.992
9/27/2022	13:25:07	-0.145	-0.0009	0.009	0.626	0.007	85061	0.182	0.0084	0.040	0.595	0.004	422	12	190	0.992
9/27/2022	13:26:07	-0.331	0.0097	0.061	0.730	-0.004	120050	0.230	0.0122	0.060	0.806	0.006	603	12	190	0.992
9/27/2022	13:27:07	-0.118	0.0132	0.047	0.739	0.009	89850	0.194	0.0089	0.042	0.665	0.004	463	12	190	0.992
9/27/2022	13:28:09	-0.127	0.0015	0.036	0.728	0.010	90226	0.197	0.0084	0.042	0.621	0.004	471	12	190	0.993

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp (C)	Press (atm)
9/27/2022	13:29:07	-0.131	0.0074	0.012	0.741	0.010	91227	0.197	0.0088	0.042	0.651	0.004	468	12	190	0.993
9/27/2022	13:30:08	-0.146	0.0377	0.005	0.754	0.011	92376	0.201	0.0089	0.043	0.685	0.004	473	12	190	0.993
9/27/2022	13:31:10	-0.112	0.0135	0.020	0.766	0.008	94122	0.203	0.0090	0.044	0.687	0.004	479	12	190	0.992
9/27/2022	13:32:07	-0.139	0.0115	0.007	0.713	0.010	95461	0.205	0.0089	0.044	0.596	0.004	484	12	190	0.992
9/27/2022	13:33:07	-0.133	0.0052	0.012	0.728	0.009	96708	0.180	0.0094	0.044	0.613	0.004	488	12	190	0.992
9/27/2022	13:34:07	-0.136	0.0274	0.000	0.757	0.010	97921	0.182	0.0095	0.045	0.671	0.004	489	12	190	0.992
9/27/2022	13:35:10	-0.151	0.0251	-0.006	0.744	0.009	98825	0.184	0.0092	0.046	0.650	0.004	495	12	190	0.992
9/27/2022	13:36:07	-0.143	0.0161	0.004	0.757	0.009	99541	0.184	0.0095	0.046	0.668	0.005	497	12	190	0.992
9/27/2022	13:37:07	-0.126	0.0220	0.008	0.742	0.008	99768	0.184	0.0095	0.046	0.622	0.005	497	12	190	0.992
9/27/2022	13:38:07	-0.152	0.0299	0.007	0.740	0.010	99067	0.185	0.0092	0.046	0.628	0.005	498	12	190	0.992
9/27/2022	13:39:07	-0.152	0.0168	0.005	0.734	0.008	97887	0.183	0.0092	0.046	0.621	0.004	496	12	190	0.992
9/27/2022	13:40:07	-0.158	0.0230	0.005	0.714	0.011	95673	0.208	0.0091	0.045	0.601	0.004	489	12	190	0.992
9/27/2022	13:41:07	-0.118	0.0191	-0.011	0.709	0.010	92890	0.202	0.0089	0.043	0.584	0.004	479	12	190	0.992
9/27/2022	13:42:07	-0.118	0.0365	0.006	0.730	0.009	90429	0.198	0.0085	0.042	0.631	0.004	470	12	190	0.992
9/27/2022	13:43:07	-0.139	0.0293	0.008	0.694	0.009	88784	0.195	0.0087	0.042	0.583	0.004	461	12	190	0.992
9/27/2022	13:44:07	-0.113	0.0164	-0.005	0.804	0.010	87812	0.193	0.0085	0.042	0.738	0.004	458	12	190	0.992
9/27/2022	13:45:07	-0.154	0.0295	0.010	0.643	0.007	88830	0.191	0.0087	0.042	0.630	0.004	436	12	190	0.990
9/27/2022	13:46:07	-0.124	0.0330	0.004	0.730	0.009	89758	0.195	0.0088	0.042	0.607	0.004	465	12	190	0.990
9/27/2022	13:47:07	-0.135	0.0322	-0.002	0.740	0.009	90436	0.198	0.0087	0.042	0.631	0.004	467	12	190	0.990
9/27/2022	13:48:07	-0.128	0.0338	0.005	0.726	0.009	90842	0.198	0.0088	0.042	0.611	0.004	468	12	190	0.990
9/27/2022	13:49:07	-0.142	0.0301	-0.001	0.740	0.009	91137	0.198	0.0088	0.043	0.635	0.004	471	12	190	0.990
9/27/2022	13:50:07	-0.116	0.0451	0.012	0.742	0.008	91729	0.199	0.0090	0.043	0.632	0.004	469	12	190	0.990
9/27/2022	13:51:08	-0.162	0.0484	-0.017	0.773	0.012	93300	0.203	0.0090	0.043	0.673	0.004	478	12	190	0.990
9/27/2022	13:52:07	-0.151	0.0409	-0.013	0.767	0.011	94450	0.203	0.0091	0.044	0.694	0.004	478	12	190	0.990
9/27/2022	13:53:07	-0.140	0.0334	-0.009	0.726	0.011	95331	0.205	0.0092	0.044	0.589	0.004	483	12	190	0.990
9/27/2022	13:54:07	-0.156	0.0500	0.015	0.734	0.010	96453	0.207	0.0096	0.045	0.604	0.004	481	12	190	0.990
9/27/2022	13:55:07	-0.138	0.0170	0.007	0.736	0.009	97264	0.180	0.0096	0.045	0.634	0.004	486	12	190	0.990
9/27/2022	13:56:07	-0.155	0.0254	-0.010	0.728	0.009	98561	0.182	0.0094	0.046	0.622	0.004	490	12	190	0.990
9/27/2022	13:57:07	-0.154	0.0381	-0.002	0.764	0.009	100447	0.185	0.0096	0.047	0.672	0.005	499	12	190	0.990
9/27/2022	13:58:07	-0.162	0.0294	-0.005	0.778	0.010	101483	0.188	0.0096	0.047	0.705	0.005	506	12	190	0.990
9/27/2022	13:59:07	-0.166	0.0361	0.003	0.777	0.008	102490	0.188	0.0097	0.047	0.683	0.005	506	12	190	0.990
9/27/2022	14:00:07	-0.182	0.0422	-0.022	0.818	0.011	104468	0.194	0.0100	0.048	0.785	0.005	519	12	190	0.991
9/27/2022	14:01:07	-0.152	0.0373	0.019	0.782	0.008	105003	0.193	0.0100	0.048	0.746	0.005	520	12	190	0.991
9/27/2022	14:02:08	-0.179	0.0359	-0.009	0.704	0.010	105893	0.194	0.0100	0.049	0.585	0.005	521	12	190	0.992
9/27/2022	14:03:10	-0.174	0.0324	-0.021	0.724	0.010	107108	0.197	0.0099	0.049	0.613	0.005	529	12	190	0.992
9/27/2022	14:04:07	-0.195	0.0362	-0.001	0.719	0.009	108083	0.198	0.0103	0.050	0.614	0.005	532	12	190	0.993
9/27/2022	14:05:07	-0.151	0.0233	-0.015	0.727	0.008	109259	0.199	0.0102	0.050	0.637	0.005	535	12	190	0.993
9/27/2022	14:06:07	-0.163	0.0262	-0.010	0.722	0.009	109791	0.200	0.0103	0.051	0.636	0.005	540	12	190	0.994
9/27/2022	14:07:08	-0.164	0.0315	-0.011	0.705	0.009	108348	0.197	0.0104	0.050	0.612	0.005	527	12	190	0.997
9/27/2022	14:08:07	-0.133	0.0306	-0.005	0.695	0.007	107756	0.195	0.0104	0.050	0.605	0.005	527	12	190	0.998
9/27/2022	14:09:07	-0.169	0.0252	-0.027	0.715	0.011	105922	0.193	0.0101	0.049	0.607	0.005	518	12	190	0.997
9/27/2022	14:10:07	-0.126	0.0316	-0.023	0.690	0.010	103533	0.189	0.0102	0.048	0.589	0.005	509	12	190	0.998

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp (C)	Press (atm)
9/27/2022	14:11:07	-0.159	0.0158	-0.014	0.755	0.010	100767	0.187	0.0097	0.047	0.720	0.005	502	12	190	0.998
9/27/2022	14:12:07	-0.125	0.0011	-0.024	0.714	0.010	98330	0.181	0.0097	0.046	0.623	0.004	485	12	190	0.997
9/27/2022	14:13:07	-0.106	0.0058	-0.025	0.733	0.010	99325	0.182	0.0098	0.046	0.673	0.004	490	12	190	0.993
9/27/2022	14:14:10	-0.132	0.0169	-0.004	0.737	0.010	99136	0.181	0.0098	0.046	0.620	0.004	485	12	190	0.992
9/27/2022	14:15:07	-0.124	0.0233	-0.008	0.722	0.009	98330	0.180	0.0097	0.045	0.608	0.004	485	12	190	0.992
9/27/2022	14:16:07	-0.160	0.0224	-0.014	0.739	0.011	97715	0.179	0.0098	0.045	0.621	0.004	479	12	190	0.992
9/27/2022	14:17:07	-0.170	0.0391	0.005	0.729	0.009	99626	0.181	0.0101	0.046	0.594	0.004	485	12	190	0.990
9/27/2022	14:18:07	-0.151	0.0485	-0.005	0.738	0.009	100420	0.181	0.0101	0.046	0.606	0.004	484	12	190	0.990
9/27/2022	14:19:07	-0.146	0.0365	0.001	0.756	0.008	100828	0.181	0.0102	0.047	0.666	0.004	484	12	190	0.990
9/27/2022	14:20:09	-0.137	0.0214	-0.005	0.739	0.008	101522	0.181	0.0104	0.046	0.662	0.004	488	12	190	0.990
9/27/2022	14:21:07	-0.173	0.0441	-0.029	0.759	0.010	102209	0.183	0.0101	0.047	0.664	0.004	491	12	190	0.990
9/27/2022	14:22:07	-0.178	0.0434	-0.003	0.738	0.009	102985	0.185	0.0103	0.047	0.648	0.005	494	12	190	0.990
9/27/2022	14:23:08	-0.147	0.0334	-0.016	0.769	0.009	103721	0.185	0.0104	0.047	0.725	0.005	497	12	190	0.990
9/27/2022	14:24:07	-0.158	0.0479	-0.017	0.774	0.011	104293	0.187	0.0105	0.048	0.703	0.005	499	12	190	0.990
9/27/2022	14:25:07	-0.187	0.0445	-0.017	0.793	0.010	105857	0.188	0.0107	0.049	0.742	0.005	503	12	190	0.990
9/27/2022	14:26:07	-0.168	0.0343	-0.002	0.728	0.008	106927	0.190	0.0105	0.048	0.593	0.005	510	12	190	0.990
9/27/2022	14:27:10	-0.173	0.0328	-0.017	0.711	0.009	107180	0.190	0.0106	0.049	0.573	0.005	508	12	190	0.990
9/27/2022	14:28:07	-0.180	0.0426	-0.009	0.711	0.009	107909	0.191	0.0108	0.049	0.579	0.005	512	12	190	0.990
9/27/2022	14:29:07	-0.161	0.0361	-0.029	0.708	0.010	107312	0.192	0.0105	0.049	0.574	0.005	513	12	190	0.990
9/27/2022	14:30:07	-0.172	0.0517	-0.028	0.700	0.011	106925	0.193	0.0107	0.049	0.577	0.005	513	12	190	0.990
9/27/2022	14:31:09	-0.151	0.0259	-0.028	0.709	0.008	105509	0.190	0.0104	0.048	0.575	0.005	509	12	190	0.991
9/27/2022	14:32:07	-0.189	0.0429	0.006	0.757	0.007	104742	0.190	0.0104	0.048	0.704	0.005	507	12	190	0.991
9/27/2022	14:33:07	-0.158	0.0349	-0.021	0.696	0.008	104079	0.189	0.0100	0.048	0.571	0.005	510	12	190	0.991
9/27/2022	14:34:07	-0.173	0.0376	-0.020	0.761	0.009	102116	0.189	0.0099	0.047	0.645	0.005	504	12	190	0.988
9/27/2022	14:35:07	-1.314	0.0116	0.178	2.014	1.382	65726	0.199	0.0090	0.035	0.406	0.005	383	11	190	0.999
9/27/2022	14:36:07	-1.673	0.0184	0.301	3.284	1.518	66291	0.168	0.0093	0.033	0.436	0.004	342	11	190	1.002
9/27/2022	14:37:07	-1.688	0.0156	0.316	3.946	1.513	73198	0.177	0.0098	0.037	0.477	0.004	368	11	190	1.002
9/27/2022	14:38:07	-1.584	0.0123	0.307	3.962	1.514	69636	0.170	0.0095	0.035	0.485	0.004	354	11	190	1.002
9/27/2022	14:39:07	-1.586	0.0073	0.306	4.170	1.510	70877	0.171	0.0094	0.036	0.500	0.004	360	11	190	1.002
9/27/2022	14:40:09	-1.579	0.0092	0.264	4.091	1.515	70757	0.173	0.0093	0.036	0.495	0.004	359	11	190	1.002
9/27/2022	14:41:07	-1.617	0.0253	0.289	4.330	1.512	75115	0.179	0.0099	0.037	0.528	0.004	373	11	190	1.002
9/27/2022	14:42:07	-0.704	0.0037	0.163	2.404	0.478	103067	0.212	0.0126	0.052	0.663	0.005	510	10	190	0.995
9/27/2022	14:43:07	-0.337	0.0180	0.014	1.043	0.014	103864	0.219	0.0121	0.049	0.706	0.005	537	10	190	0.993
9/27/2022	14:44:07	-0.343	0.0091	-0.032			104440	0.217	0.0123	0.050	0.629	0.005	532	10	190	0.993
9/27/2022	14:45:07	-0.308	0.0118	-0.035			93876	0.206	0.0112	0.045	0.624	0.005	498	11	190	0.992
9/27/2022	14:46:10	-0.279	-0.0049	-0.043	0.889	0.013	98035	0.210	0.0117	0.047	0.767	0.005	512	11	190	0.992
9/27/2022	14:47:07	-0.304	-0.0019	-0.042	0.844	0.015	101429	0.213	0.0120	0.049	0.678	0.005	524	10	190	0.992
9/27/2022	14:48:07	-0.387	0.0138	0.126	2.149	0.166	103421	0.216	0.0120	0.050	0.709	0.005	532	10	190	0.998
9/27/2022	14:49:07	-0.496	0.0395	0.249	3.580	0.247	95992	0.203	0.0117	0.046	0.603	0.005	499	11	190	1.002
9/27/2022	14:50:07	-0.524	0.0254	0.242	3.679	0.248	97148	0.206	0.0116	0.047	0.664	0.005	506	10	190	1.002
9/27/2022	14:51:07	-0.466	0.0170	0.218	3.558	0.245	96545	0.202	0.0120	0.048	0.655	0.005	503	10	190	1.002
9/27/2022	14:52:08	-0.488	0.0106	0.197	3.495	0.245	97261	0.206	0.0118	0.047	0.698	0.005	508	10	190	1.002

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp (C)	Press (atm)
9/27/2022	14:53:07	-0.493	0.0201	0.201	3.355	0.242	99089	0.207	0.0123	0.048	0.671	0.005	511	10	190	1.002
9/27/2022	14:54:07	-0.553	0.0270	0.186	3.267	0.244	99833	0.211	0.0120	0.048	0.702	0.005	520	10	190	1.002
9/27/2022	14:55:07	-0.510	0.0205	0.202	3.159	0.238	99203	0.207	0.0123	0.047	0.775	0.005	513	11	190	1.002
9/27/2022	14:56:07	-0.479	0.0101	0.177	3.000	0.239	98337	0.206	0.0121	0.048	0.637	0.005	508	11	190	1.002
9/27/2022	14:57:07	-0.529	0.0141	0.181	2.926	0.236	97105	0.204	0.0119	0.047	0.629	0.005	506	11	190	1.002
9/27/2022	14:58:07	-0.485	0.0148	0.168	2.841	0.239	96467	0.204	0.0117	0.047	0.625	0.005	502	11	190	1.002
9/27/2022	14:59:07	-0.472	0.0160	0.149	2.756	0.237	96163	0.203	0.0118	0.047	0.612	0.005	499	11	190	1.002
9/27/2022	15:00:07	-0.512	0.0060	0.139	2.661	0.237	96106	0.203	0.0119	0.047	0.592	0.005	497	11	190	1.002
9/27/2022	15:01:07	-0.529	0.0378	0.117	2.604	0.238	96246	0.204	0.0121	0.046	0.607	0.005	499	11	190	1.002
9/27/2022	15:02:07	-0.486	0.0276	0.138	2.547	0.234	95506	0.202	0.0120	0.045	0.624	0.005	489	11	190	1.002
9/27/2022	15:03:07	-0.504	0.0200	0.120	2.433	0.236	93225	0.200	0.0117	0.045	0.594	0.005	484	11	190	1.002
9/27/2022	15:04:07	-0.492	0.0187	0.131	2.459	0.236	93402	0.198	0.0117	0.045	0.770	0.005	485	11	190	1.002
9/27/2022	15:05:07	-0.494	0.0153	0.108	2.417	0.237	94636	0.200	0.0118	0.046	0.743	0.005	489	11	190	1.002
9/27/2022	15:06:07	-0.521	0.0151	0.124	2.309	0.236	95200	0.198	0.0122	0.045	0.576	0.005	487	11	190	1.002
9/27/2022	15:07:07	-0.516	0.0180	0.092	2.345	0.238	95237	0.198	0.0120	0.046	0.762	0.005	485	11	190	1.002
9/27/2022	15:08:07	-0.538	0.0237	0.131	2.234	0.235	94248	0.198	0.0122	0.045	0.655	0.005	485	11	190	1.002
9/27/2022	15:09:07	-0.534	0.0121	0.107	2.169	0.240	91267	0.211	0.0116	0.044	0.635	0.005	471	11	190	1.002
9/27/2022	15:10:08	-0.549	0.0296	0.090	2.094	0.239	89687	0.212	0.0116	0.043	0.615	0.005	468	11	190	1.002
9/27/2022	15:11:07	-0.487	0.0097	0.102	2.088	0.237	89308	0.209	0.0113	0.043	0.626	0.005	470	11	190	1.002
9/27/2022	15:12:09	-0.562	0.0223	0.072	2.049	0.241	87955	0.210	0.0110	0.044	0.629	0.005	465	11	190	1.002
9/27/2022	15:13:07	-0.518	0.0255	0.072	2.087	0.237	86182	0.209	0.0111	0.042	0.773	0.005	461	11	190	1.002
9/27/2022	15:14:07	-0.540	0.0098	0.097	1.871	0.234	83645	0.199	0.0108	0.041	0.640	0.005	422	11	190	1.002
9/27/2022	15:15:07	-0.515	0.0083	0.072	1.819	0.234	81621	0.195	0.0107	0.041	0.605	0.004	412	11	190	1.002
9/27/2022	15:16:07	-0.516	0.0001	0.070	1.806	0.233	82351	0.201	0.0106	0.040	0.597	0.005	421	11	190	1.002
9/27/2022	15:17:07	-0.622	0.0352	0.095	1.919	0.234	92528	0.220	0.0119	0.044	0.685	0.005	461	11	190	1.002
9/27/2022	15:18:07	-0.439	0.0149	0.066	1.417	0.072	115998	0.228	0.0139	0.058	0.641	0.006	562	10	190	0.994
9/27/2022	15:19:07	-0.358	0.0208	-0.017	**0.957**	**0.017**	98997	0.211	0.0121	0.047	0.653	0.005	511	11	190	0.993
9/27/2022	15:20:07	-0.327	0.0159	-0.043	**0.885**	**0.016**	101453	0.213	0.0122	0.049	0.677	0.005	519	11	190	0.993
9/27/2022	15:21:07	-0.344	0.0157	-0.047	0.920	0.016	103360	0.214	0.0127	0.049	0.779	0.005	524	10	190	0.993
9/27/2022	15:22:07	-0.318	0.0089	-0.056	0.814	0.015	107924	0.218	0.0129	0.051	0.605	0.005	541	10	190	0.993
9/27/2022	15:23:07	-0.445	0.0217	0.084	1.297	0.169	97745	0.206	0.0119	0.048	0.623	0.005	503	10	190	1.002
9/27/2022	15:24:07	-0.456	0.0224	0.205	**1.765**	**0.237**	90476	0.213	0.0115	0.044	0.597	0.005	473	11	190	1.002
9/27/2022	15:25:07	-0.457	0.0097	0.200	**1.853**	**0.237**	88406	0.213	0.0109	0.044	0.639	0.005	476	11	190	1.002
9/27/2022	15:26:07	-0.476	0.0067	0.219	1.884	0.236	90086	0.217	0.0111	0.044	0.644	0.005	486	11	190	1.002
9/27/2022	15:27:07	-0.485	0.0201	0.188	1.913	0.235	93447	0.204	0.0112	0.045	0.652	0.005	500	11	190	1.002
9/27/2022	15:28:07	-0.530	0.0200	0.193	1.963	0.223	96666	0.210	0.0114	0.046	0.761	0.005	513	10	190	1.001
9/27/2022	15:29:07	-0.315	0.0079	-0.007	1.055	0.016	91888	0.223	0.0111	0.045	0.670	0.005	489	11	190	0.992
9/27/2022	15:30:07	-0.344	0.0123	-0.044	**0.940**	**0.016**	102334	0.216	0.0120	0.049	0.694	0.005	530	10	190	0.992
9/27/2022	15:31:07	-0.324	0.0188	-0.033	**0.915**	**0.013**	105256	0.218	0.0124	0.050	0.784	0.005	540	10	190	0.992
9/27/2022	15:32:08	-0.341	0.0253	-0.044	0.869	0.015	102632	0.217	0.0120	0.049	0.696	0.005	532	10	190	0.992
9/27/2022	15:33:08	-0.333	0.0116	-0.056	0.880	0.015	102454	0.217	0.0121	0.049	0.747	0.005	532	10	190	0.992
9/27/2022	15:34:07	-0.433	0.0036	0.094	1.312	0.183	100849	0.212	0.0121	0.049	0.698	0.005	526	10	190	0.999

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp (C)	Press (atm)
9/27/2022	15:35:07	-0.558	0.0279	0.185	1.666	0.232	97426	0.210	0.0118	0.046	0.598	0.005	515	10	190	1.002
9/27/2022	15:36:07	-0.594	0.0199	0.156	**1.783**	**0.233**	97779	0.212	0.0117	0.047	0.685	0.005	516	10	190	1.002
9/27/2022	15:37:08	-0.481	0.0112	0.158	**1.794**	**0.235**	97989	0.208	0.0118	0.048	0.662	0.005	512	10	190	1.002
9/27/2022	15:38:07	-0.461	0.0032	0.144	1.807	0.237	97790	0.208	0.0116	0.047	0.691	0.005	511	10	190	1.002
9/27/2022	15:39:07	-0.449	0.0110	0.097	1.554	0.135	102036	0.215	0.0122	0.050	0.838	0.005	529	10	190	0.999
9/27/2022	15:40:07	-0.303	-0.0035	-0.022	0.992	0.016	84963	0.213	0.0104	0.041	0.688	0.005	468	11	190	0.991
9/27/2022	15:41:07	-0.321	0.0067	-0.015	0.769	0.009	98251	0.207	0.0119	0.047	0.602	0.005	493	10	190	0.991
9/27/2022	15:42:07	-0.307	0.0009	-0.051	**0.885**	**0.014**	101789	0.215	0.0119	0.050	0.694	0.005	528	10	190	0.991
9/27/2022	15:43:07	-0.353	0.0059	-0.049	**0.868**	**0.015**	101257	0.217	0.0119	0.049	0.670	0.005	530	10	190	0.991
9/27/2022	15:44:07	-0.361	0.0167	-0.046	0.824	0.016	106689	0.222	0.0124	0.050	0.611	0.005	548	10	190	0.991
9/27/2022	15:45:07	-0.528	0.0063	0.051	1.239	0.189	97598	0.208	0.0119	0.047	0.708	0.005	511	10	190	0.999
9/27/2022	15:46:07	-0.468	0.0204	0.121	1.589	0.238	92392	0.204	0.0112	0.044	0.778	0.005	490	10	190	1.001
9/27/2022	15:47:07	-0.488	0.0183	0.119	1.592	0.243	92823	0.204	0.0115	0.045	0.598	0.005	489	10	190	1.002
9/27/2022	15:48:07	-0.469	0.0022	0.137	**1.632**	**0.243**	94330	0.199	0.0119	0.046	0.602	0.005	489	10	190	1.002
9/27/2022	15:49:10	-0.484	0.0267	0.130	**1.625**	**0.243**	93298	0.198	0.0118	0.045	0.586	0.005	482	10	190	1.002
9/27/2022	15:50:07	-0.520	0.0070	0.133	1.641	0.243	92670	0.200	0.0117	0.045	0.596	0.005	484	10	190	1.002
9/27/2022	15:51:07	-0.417	0.0161	0.043	1.417	0.092	99560	0.209	0.0120	0.048	0.779	0.005	512	10	190	0.992
9/27/2022	15:52:08	-0.311	-0.0016	-0.016	0.968	0.015	93290	0.202	0.0114	0.045	0.648	0.005	488	11	190	0.990
9/27/2022	15:53:07	-0.324	-0.0046	-0.039	0.889	0.016	97665	0.209	0.0115	0.047	0.591	0.005	510	10	190	0.990
9/27/2022	15:54:08	-0.371	0.0212	-0.043	**0.861**	**0.018**	97955	0.214	0.0115	0.047	0.591	0.005	519	10	190	0.990
9/27/2022	15:55:07	-0.345	0.0086	-0.038	**0.861**	**0.015**	100942	0.218	0.0112	0.047	0.634	0.005	535	10	190	0.990
9/27/2022	15:56:08	-0.511	0.0118	0.031	1.177	0.169	99274	0.210	0.0115	0.048	0.641	0.005	517	10	190	0.996
9/27/2022	15:57:07	-0.579	0.0411	0.145	1.539	0.251	95063	0.205	0.0116	0.045	0.600	0.005	503	10	190	1.001
9/27/2022	15:58:07	-0.603	0.0221	0.144	1.617	0.253	96203	0.207	0.0118	0.045	0.614	0.005	505	10	190	1.002
9/27/2022	15:59:07	-0.597	0.0182	0.125	**1.699**	**0.252**	95664	0.207	0.0119	0.045	0.753	0.005	505	10	190	1.002
9/27/2022	16:00:07	-0.505	-0.0038	0.114	**1.704**	**0.249**	95553	0.209	0.0114	0.047	0.788	0.005	511	10	190	1.002
9/27/2022	16:01:07	-0.544	-0.0020	0.098	1.644	0.245	96319	0.207	0.0116	0.048	0.633	0.005	507	10	190	1.002
9/27/2022	16:02:07	-0.366	-0.0069	0.021	1.198	0.066	96637	0.209	0.0117	0.047	0.620	0.005	508	11	190	0.992
9/27/2022	16:03:07	-0.342	0.0054	-0.055	0.909	0.016	106106	0.224	0.0121	0.052	0.596	0.006	551	10	190	0.991
9/27/2022	16:04:08	-0.286	0.0134	-0.045	**0.882**	**0.018**	92042	0.225	0.0108	0.045	0.677	0.005	498	11	190	0.991
9/27/2022	16:05:07	-0.340	0.0117	-0.047	**0.859**	**0.016**	99140	0.216	0.0114	0.048	0.645	0.005	527	10	190	0.991
9/27/2022	16:06:07	-0.344	0.0074	-0.047	0.846	0.018	98773	0.215	0.0114	0.047	0.647	0.005	524	10	190	0.991
9/27/2022	16:07:07	-0.481	0.0236	0.080	1.233	0.223	93203	0.206	0.0111	0.044	0.656	0.005	499	10	190	0.999
9/27/2022	16:08:07	-0.537	0.0267	0.130	1.522	0.241	91044	0.224	0.0108	0.043	0.603	0.005	493	11	190	1.001
9/27/2022	16:09:09	-0.487	0.0073	0.109	1.622	0.240	91677	0.223	0.0107	0.045	0.669	0.005	496	10	190	1.002
9/27/2022	16:10:07	-0.530	0.0024	0.105	**1.672**	**0.237**	92932	0.205	0.0109	0.045	0.730	0.005	501	10	190	1.002
9/27/2022	16:11:07	-0.449	0.0112	0.124	**1.674**	**0.234**	96544	0.209	0.0115	0.046	0.629	0.005	514	10	190	1.002
9/27/2022	16:12:09	-0.507	0.0087	0.126	1.663	0.226	98494	0.211	0.0120	0.047	0.640	0.005	519	10	190	0.999
9/27/2022	16:13:07	-0.374	0.0095	-0.012	1.038	0.018	95285	0.211	0.0113	0.045	0.607	0.005	508	10	190	0.989
9/27/2022	16:14:07	-0.341	0.0208	-0.021	0.925	0.015	98789	0.214	0.0115	0.047	0.624	0.005	523	10	190	0.991
9/27/2022	16:15:09	-0.348	0.0072	-0.015	**0.875**	**0.015**	100294	0.215	0.0118	0.047	0.638	0.005	528	10	190	0.992
9/27/2022	16:16:07	-0.346	0.0025	-0.042	**0.840**	**0.017**	97524	0.212	0.0114	0.047	0.636	0.005	514	10	190	0.992

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp (C)	Press (atm)
9/27/2022	16:17:07	-0.327	0.0035	-0.065	0.859	0.017	101245	0.216	0.0119	0.049	0.689	0.005	528	10	190	0.992
9/27/2022	16:18:07	-0.550	0.0175	0.076	1.175	0.230	86666	0.213	0.0108	0.042	0.569	0.005	467	11	190	0.999
9/27/2022	16:19:07	-0.620	0.0250	0.141	1.553	0.233	85951	0.209	0.0110	0.042	0.676	0.005	440	11	190	1.001
9/27/2022	16:20:07	-0.496	0.0125	0.152	1.638	0.226	91853	0.194	0.0113	0.045	0.653	0.005	461	10	190	1.002
9/27/2022	16:21:07	-0.549	0.0030	0.147	1.796	0.228	96340	0.202	0.0119	0.047	0.632	0.005	498	10	190	1.002
9/27/2022	16:22:07	-0.503	0.0001	0.148	1.882	0.228	96993	0.205	0.0118	0.047	0.761	0.005	504	10	190	1.002
9/27/2022	16:23:07	-0.488	0.0238	0.126	**1.797**	**0.229**	97248	0.206	0.0120	0.047	0.620	0.005	503	10	190	1.002
9/27/2022	16:24:07	-0.500	-0.0005	0.113	**1.793**	**0.229**	97919	0.206	0.0118	0.046	0.628	0.005	505	10	190	1.002
9/27/2022	16:25:07	-0.526	0.0255	0.101	1.774	0.232	97733	0.206	0.0120	0.047	0.629	0.005	502	10	190	1.002
9/27/2022	16:26:07	-0.515	0.0175	0.067	1.490	0.132	100198	0.209	0.0124	0.047	0.618	0.005	507	10	190	0.996
9/27/2022	16:27:07	-0.334	0.0136	-0.015	0.964	0.017	94647	0.203	0.0118	0.045	0.687	0.005	488	11	190	0.992
9/27/2022	16:28:07	-0.338	0.0121	-0.050	0.926	0.015	102525	0.212	0.0123	0.049	0.744	0.005	522	10	190	0.992
9/27/2022	16:29:07	-0.349	0.0088	-0.024	**0.859**	**0.016**	94925	0.202	0.0117	0.044	0.656	0.005	488	11	190	0.992
9/27/2022	16:30:07	-0.332	0.0042	-0.059	**0.865**	**0.017**	100555	0.209	0.0122	0.049	0.652	0.005	511	10	190	0.992
9/27/2022	16:31:07	-0.309	-0.0055	-0.041	0.800	0.014	98144	0.206	0.0119	0.047	0.582	0.005	504	10	190	0.992
9/27/2022	16:32:07	-0.424	0.0125	0.033	1.097	0.158	99689	0.206	0.0127	0.048	0.598	0.005	507	10	190	0.999
9/27/2022	16:33:07	-0.513	0.0212	0.121	1.510	0.239	96775	0.205	0.0121	0.046	0.600	0.005	498	10	190	1.002
9/27/2022	16:34:07	-0.546	0.0237	0.086	1.570	0.242	96700	0.204	0.0120	0.047	0.594	0.005	497	10	190	1.002
9/27/2022	16:35:10	-0.520	0.0167	0.094	**1.702**	**0.239**	97612	0.203	0.0120	0.047	0.792	0.005	500	10	190	1.002
9/27/2022	16:36:07	-0.531	0.0128	0.100	**1.627**	**0.241**	97752	0.208	0.0118	0.047	0.628	0.005	504	10	190	1.002
9/27/2022	16:37:09	-0.521	0.0112	0.082	1.631	0.239	97223	0.204	0.0119	0.047	0.632	0.005	501	10	190	1.002
9/27/2022	16:38:07	-0.459	0.0181	0.032	1.343	0.102	102420	0.213	0.0126	0.049	0.679	0.005	521	10	190	0.994
9/27/2022	16:39:07	-0.326	0.0001	-0.043	0.943	0.018	94270	0.205	0.0116	0.046	0.675	0.005	492	10	190	0.992
9/27/2022	16:40:07	-0.331	0.0101	-0.043	**0.864**	**0.016**	98006	0.209	0.0118	0.047	0.601	0.005	509	10	190	0.992
9/27/2022	16:41:07	-0.355	0.0047	-0.057	**0.888**	**0.018**	103944	0.217	0.0125	0.050	0.733	0.005	531	10	190	0.992
9/27/2022	16:42:07	-0.337	0.0026	-0.066	0.855	0.017	100659	0.214	0.0122	0.049	0.663	0.005	519	10	190	0.992
9/27/2022	16:43:07	-0.459	-0.0074	0.070	1.246	0.216	92230	0.200	0.0114	0.045	0.661	0.005	484	11	190	1.000
9/27/2022	16:44:07	-0.565	0.0013	0.161	1.573	0.237	90535	0.217	0.0114	0.044	0.582	0.005	481	11	190	1.002
9/27/2022	16:45:09	-0.446	0.0083	0.147	1.678	0.235	96002	0.204	0.0118	0.046	0.606	0.005	500	10	190	1.002
9/27/2022	16:46:09	-0.547	0.0329	0.126	**1.762**	**0.234**	94993	0.205	0.0117	0.046	0.734	0.005	494	10	190	1.002
9/27/2022	16:47:07	-0.490	0.0129	0.136	**1.775**	**0.233**	94429	0.204	0.0114	0.045	0.724	0.005	494	11	190	1.002
9/27/2022	16:48:07	-0.512	-0.0021	0.136	1.765	0.233	94384	0.202	0.0117	0.045	0.692	0.005	492	10	190	1.002
9/27/2022	16:49:07	-0.398	-0.0014	0.029	1.289	0.083	98634	0.206	0.0122	0.048	0.620	0.005	504	10	190	0.994
9/27/2022	16:50:07	-0.320	-0.0030	-0.019	0.912	0.015	100272	0.209	0.0124	0.048	0.633	0.005	511	10	190	0.992
9/27/2022	16:51:07	-0.336	0.0066	-0.044	0.843	0.015	100293	0.211	0.0121	0.048	0.618	0.005	516	10	190	0.992
9/27/2022	16:52:07	-0.325	0.0043	-0.045	**0.831**	**0.015**	99155	0.209	0.0119	0.048	0.633	0.005	511	10	190	0.992
9/27/2022	16:53:07	-0.350	0.0126	-0.049	**0.857**	**0.017**	103549	0.215	0.0124	0.049	0.725	0.005	528	10	190	0.992
9/27/2022	16:54:07	-0.324	0.0105	-0.042	0.824	0.027	101115	0.213	0.0120	0.048	0.641	0.005	520	10	190	0.993
9/27/2022	16:55:09	-0.456	0.0015	0.074	1.426	0.225	96373	0.209	0.0118	0.047	0.605	0.005	504	10	190	1.002
9/27/2022	16:56:07	-0.551	0.0054	0.136	1.618	0.224	99715	0.215	0.0118	0.047	0.638	0.005	532	10	190	1.002
9/27/2022	16:57:07	-0.555	0.0162	0.079	**1.700**	**0.226**	99884	0.220	0.0111	0.049	0.706	0.005	539	10	190	1.002
9/27/2022	16:58:07	-0.544	0.0218	0.085	**1.691**	**0.226**	98198	0.216	0.0112	0.047	0.693	0.005	534	10	190	1.002

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp (C)	Press (atm)
9/27/2022	16:59:07	-0.545	0.0126	0.098	1.648	0.225	95189	0.211	0.0112	0.046	0.639	0.005	512	10	190	1.000
9/27/2022	17:00:07	-0.333	0.0048	-0.003	1.011	0.014	94221	0.210	0.0111	0.046	0.681	0.005	511	11	190	0.992
9/27/2022	17:01:11	-0.348	0.0109	-0.034	0.901	0.016	103606	0.222	0.0118	0.049	0.665	0.005	546	10	190	0.992
9/27/2022	17:02:07	-0.326	-0.0008	-0.022	**0.877**	**0.015**	95519	0.214	0.0108	0.046	0.715	0.005	520	10	190	0.992
9/27/2022	17:03:07	-0.323	-0.0049	-0.029	**0.795**	**0.012**	106876	0.225	0.0121	0.052	0.599	0.006	564	10	190	0.992
9/27/2022	17:04:07	-0.319	-0.0033	-0.060	0.881	0.017	104094	0.226	0.0115	0.050	0.770	0.006	557	10	190	0.992
9/27/2022	17:05:07	-0.495	0.0205	0.014	1.140	0.148	104356	0.224	0.0119	0.050	0.732	0.005	552	10	190	1.001
9/27/2022	17:06:07	-0.551	-0.0046	0.099	1.491	0.232	98740	0.214	0.0113	0.048	0.642	0.005	530	10	190	1.001
9/27/2022	17:07:07	-0.533	0.0295	0.115	**1.616**	**0.237**	101144	0.220	0.0119	0.048	0.708	0.005	540	10	190	1.001
9/27/2022	17:08:07	-0.483	0.0230	0.098	**1.588**	**0.238**	96933	0.212	0.0112	0.047	0.657	0.005	517	10	190	1.002
9/27/2022	17:09:07	-0.506	0.0104	0.115	1.588	0.233	96116	0.209	0.0116	0.046	0.633	0.005	505	10	190	1.002
9/27/2022	17:10:07	-0.392	0.0141	0.016	1.230	0.077	101547	0.213	0.0122	0.049	0.657	0.005	520	10	190	0.993
9/27/2022	17:11:07	-0.355	0.0243	-0.037	0.871	0.018	95512	0.209	0.0116	0.046	0.570	0.005	504	10	190	0.992
9/27/2022	17:12:07	-0.328	0.0178	-0.013	**0.856**	**0.013**	102512	0.215	0.0125	0.048	0.636	0.005	527	10	190	0.992
9/27/2022	17:13:07	-0.372	0.0301	-0.054	**0.836**	**0.016**	113459	0.230	0.0133	0.054	0.617	0.006	571	10	190	0.992
9/27/2022	17:14:07	-0.448	0.0200	-0.007	0.945	0.110	101407	0.218	0.0121	0.049	0.659	0.005	532	10	190	0.995
9/27/2022	17:15:07	-0.511	0.0203	0.132	1.523	0.237	94751	0.209	0.0114	0.047	0.745	0.005	506	10	190	1.001
9/27/2022	17:16:07	-0.535	0.0007	0.130	1.563	0.232	95703	0.211	0.0113	0.048	0.606	0.005	520	10	190	1.002
9/27/2022	17:17:07	-0.539	0.0055	0.133	**1.706**	**0.229**	100829	0.221	0.0112	0.049	0.702	0.005	547	10	190	1.002
9/27/2022	17:18:07	-0.499	0.0149	0.129	**1.774**	**0.231**	103543	0.228	0.0114	0.050	0.791	0.006	562	10	190	1.002
9/27/2022	17:19:07	-0.564	0.0376	0.133	1.726	0.226	100994	0.221	0.0116	0.048	0.728	0.005	549	10	190	1.002
9/27/2022	17:20:07	-0.417	0.0034	0.021	1.274	0.078	92789	0.215	0.0106	0.046	0.720	0.005	518	11	190	0.994
9/27/2022	17:21:07	-0.350	0.0208	-0.025	0.905	0.015	102052	0.225	0.0112	0.049	0.638	0.006	551	10	190	0.992
9/27/2022	17:22:07	-0.340	0.0188	-0.061	**0.872**	**0.017**	98118	0.219	0.0112	0.047	0.636	0.005	532	10	190	0.992
9/27/2022	17:23:07	-0.338	0.0163	-0.039	**0.871**	**0.016**	97915	0.221	0.0106	0.046	0.705	0.005	540	10	190	0.992
9/27/2022	17:24:07	-0.326	0.0188	-0.038	0.826	0.015	94019	0.212	0.0109	0.045	0.642	0.005	515	10	190	0.992
9/27/2022	17:25:08	-0.434	0.0160	0.049	1.201	0.178	94838	0.216	0.0106	0.046	0.703	0.005	524	10	190	1.002
9/27/2022	17:26:07	-0.592	0.0109	0.109	1.540	0.232	94905	0.214	0.0108	0.045	0.703	0.005	521	10	190	1.001
9/27/2022	17:27:07	-0.550	-0.0053	0.119	1.540	0.232	95189	0.213	0.0109	0.046	0.619	0.005	523	10	190	1.002
9/27/2022	17:28:07	-0.601	0.0053	0.100	**1.611**	**0.237**	97040	0.218	0.0109	0.046	0.742	0.005	537	10	190	1.002
9/27/2022	17:29:10	-0.564	0.0091	0.067	**1.603**	**0.237**	99012	0.218	0.0116	0.049	0.688	0.005	528	10	190	1.002
9/27/2022	17:30:07	-0.535	0.0135	0.096	1.577	0.232	98950	0.210	0.0118	0.048	0.634	0.005	516	10	190	1.002
9/27/2022	17:31:07	-0.444	0.0089	0.058	1.257	0.080	95431	0.208	0.0118	0.045	0.610	0.005	503	10	190	0.992
9/27/2022	17:32:07	-0.329	0.0082	-0.026	0.973	0.017	87487	0.214	0.0110	0.043	0.659	0.005	467	11	190	0.989
9/27/2022	17:33:08	-0.386	0.0079	-0.026	0.762	0.014	89379	0.213	0.0112	0.043	0.571	0.005	450	11	190	0.989
9/27/2022	17:34:10	-0.328	-0.0044	-0.040	0.878	0.016	95418	0.207	0.0115	0.046	0.647	0.005	502	10	190	0.989
9/27/2022	17:35:07	-0.380	0.0108	-0.031	0.902	0.014	107165	0.222	0.0127	0.050	0.791	0.005	547	10	190	0.989
9/27/2022	17:36:07	-0.385	0.0047	-0.027	0.882	0.016	96399	0.209	0.0117	0.046	0.733	0.005	506	10	190	0.989
9/27/2022	17:37:07	-0.561	0.0137	0.068	1.157	0.259	98595	0.210	0.0120	0.047	0.591	0.005	507	10	190	1.000
9/27/2022	17:38:07	-0.523	0.0034	0.107	1.510	0.230	98748	0.211	0.0118	0.048	0.658	0.005	517	10	190	1.001
9/27/2022	17:39:09	-0.527	0.0318	0.114	1.573	0.227	103280	0.217	0.0124	0.049	0.664	0.005	529	10	190	1.002
9/27/2022	17:40:09	-0.582	-0.0095	0.100	1.551	0.228	97190	0.208	0.0118	0.047	0.628	0.005	512	10	190	1.002

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp (C)	Press (atm)
9/27/2022	17:41:07	-0.560	-0.0047	0.085	1.536	0.225	92660	0.202	0.0113	0.045	0.674	0.005	493	10	190	1.002
9/27/2022	17:42:07	-0.554	0.0127	0.100	1.494	0.226	90089	0.222	0.0111	0.043	0.587	0.005	491	11	190	1.001
9/27/2022	17:43:07	-0.433	0.0276	0.022	1.056	0.019	104250	0.228	0.0120	0.050	0.623	0.006	556	10	190	0.990
9/27/2022	17:44:07	-0.373	0.0206	0.003	0.983	0.015	100487	0.224	0.0113	0.047	0.758	0.006	550	10	190	0.989
9/27/2022	17:45:08	-0.364	0.0034	-0.028	0.919	0.017	93444	0.216	0.0103	0.045	0.729	0.005	523	11	190	0.989
9/27/2022	17:46:07	-0.386	0.0161	-0.054	0.849	0.017	106731	0.231	0.0116	0.051	0.614	0.006	570	10	190	0.989
9/27/2022	17:47:07	-0.383	0.0127	-0.025	0.892	0.018	98212	0.222	0.0114	0.046	0.727	0.005	540	10	190	0.989
9/27/2022	17:48:07	-0.579	0.0139	0.109	1.172	0.213	109524	0.231	0.0125	0.053	0.623	0.006	572	10	190	0.998
9/27/2022	17:49:07	-0.558	0.0311	0.337	1.654	0.233	104845	0.225	0.0117	0.049	0.689	0.006	560	10	190	1.002
9/27/2022	17:50:09	-0.487	0.0209	0.341	1.691	0.230	101122	0.218	0.0115	0.048	0.698	0.005	539	10	190	1.002
9/27/2022	17:51:07	-0.432	0.0257	0.266	1.744	0.232	102695	0.218	0.0120	0.050	0.706	0.005	539	10	190	1.002
9/27/2022	17:52:07	-0.501	0.0288	0.366	1.807	0.233	102942	0.219	0.0119	0.049	0.780	0.005	542	10	190	1.002
9/27/2022	17:53:07	-0.538	0.0164	0.280	1.694	0.235	91928	0.207	0.0113	0.045	0.709	0.005	497	10	190	1.002
9/27/2022	17:54:10	-0.503	0.0064	0.235	1.541	0.160	108841	0.224	0.0126	0.053	0.629	0.006	558	10	190	0.995
9/27/2022	17:55:07	-0.344	0.0139	0.015	1.008	0.016	90641	0.226	0.0109	0.043	0.661	0.005	499	11	190	0.989
9/27/2022	17:56:07	-0.359	0.0139	-0.025	0.898	0.017	100054	0.220	0.0115	0.047	0.607	0.005	534	10	190	0.989
9/27/2022	17:57:07	-0.369	-0.0052	-0.018	0.897	0.015	96598	0.213	0.0112	0.046	0.707	0.005	517	10	190	0.989
9/27/2022	17:58:07	-0.370	0.0100	-0.063	0.831	0.018	106275	0.226	0.0123	0.052	0.587	0.006	554	10	190	0.989
9/27/2022	17:59:07	-0.466	0.0155	0.113	1.171	0.179	99153	0.214	0.0120	0.047	0.597	0.005	522	10	190	0.998
9/27/2022	18:00:07	-0.539	0.0054	0.222	1.551	0.240	95236	0.213	0.0115	0.045	0.655	0.005	515	10	190	1.001
9/27/2022	18:01:07	-0.533	0.0159	0.212	1.663	0.238	102202	0.219	0.0118	0.049	0.674	0.005	538	10	190	1.002
9/27/2022	18:02:07	-0.534	0.0065	0.184	1.625	0.239	97469	0.214	0.0116	0.048	0.630	0.005	523	10	190	1.002
9/27/2022	18:03:07	-0.562	0.0368	0.192	1.673	0.239	101196	0.217	0.0121	0.048	0.679	0.005	532	10	190	1.002
9/27/2022	18:04:13	0.113	0.0221	0.171	1.653	0.142	99079	0.217	0.0115	0.048	0.668	0.005	531	10	190	1.002
9/27/2022	18:05:07	93.837	-0.0186	0.090	0.610	0.016	32215	0.169	0.0052	0.019	0.329	0.005	227	12	190	1.002
9/27/2022	18:06:08	96.084	-0.0259	0.053	0.202	0.005	13030	0.108	0.0042	0.011	0.143	0.007	91	13	190	1.002
9/27/2022	18:07:07	96.892	-0.0081	0.026	0.091	0.002	6807	0.104	0.0037	0.009	0.089	0.007	59	13	190	1.002
9/27/2022	18:08:07	97.183	-0.0140	0.024	0.066	0.004	4500	0.103	0.0035	0.008	0.067	0.007	54	14	190	1.002
9/27/2022	18:09:07	97.101	-0.0093	0.007	-0.161	0.008	2953	0.100	0.0034	0.008	0.045	0.007	25	14	190	1.002
System CTS		**97.101**														
9/27/2022	18:10:07	97.236	-0.0003	-0.004	-0.094	0.007	1403	0.101	0.0029	0.008	0.028	0.007	23	14	190	1.002
9/27/2022	18:11:07	64.263	0.0027	-0.001	-0.099	0.033	915	0.119	0.0030	0.008	0.026	0.006	8	14	190	1.002
9/27/2022	18:12:07	0.039	0.0000	0.001	-0.073	0.001	754	0.043	0.0027	0.007	0.021	0.000	3	15	190	1.002
9/27/2022	18:13:07	-0.052	0.0043	-0.001	-0.065	0.002	564	0.042	0.0026	0.007	0.019	0.000	2	15	190	1.002
9/27/2022	18:14:07	-0.109	-0.0017	-0.003	-0.049	0.002	479	0.044	0.0028	0.007	0.022	0.000	2	15	190	1.002
9/27/2022	18:15:07	-0.081	0.0023	-0.009	-0.052	0.003	469	0.043	0.0027	0.007	0.024	0.000	2	15	190	1.002
System Zero		**-0.081**														
9/27/2022	18:16:08	51.252	-0.0032	-0.009	-0.052	0.030	378	0.137	0.0028	0.007	0.024	0.007	5	14	190	0.991
9/27/2022	18:17:07	95.724	0.0042	-0.015	-0.057	0.016	294	0.080	0.0028	0.007	0.025	0.003	6	14	190	0.988
9/27/2022	18:18:08	97.454	-0.0108	-0.009	-0.046	0.010	382	0.094	0.0028	0.007	0.029	0.006	4	14	190	0.988
9/27/2022	18:19:08	97.415	-0.0029	-0.011	-0.057	0.008	312	0.094	0.0028	0.007	0.026	0.006	6	14	190	0.988
9/27/2022	18:20:07	97.618	0.0026	-0.020	-0.042	0.010	393	0.093	0.0030	0.007	0.031	0.006	4	14	190	0.988

Date	Time	Ethylene (ppm)	Formaldehyde (ppm)	HCl (ppm)	HF (ppm)	SF6 (ppm)	Water (ppm)	Ethylene Resid (ppm)	Formaldehyde Resid (ppm)	HCl Resid (ppm)	HF Resid (ppm)	SF6 Resid (ppm)	Water Resid (ppm)	Signal	Temp (C)	Press (atm)
Direct CTS		**97.618**														
9/27/2022	18:21:07	15.829	0.0073	-0.021	-0.057	0.012	356	0.060	0.0029	0.007	0.027	0.002	2	15	190	0.988
9/27/2022	18:22:07	-0.088	0.0007	-0.013	-0.058	0.002	370	0.041	0.0029	0.007	0.027	0.000	1	15	190	0.988
9/27/2022	18:23:07	-0.106	0.0040	-0.018	-0.055	0.002	350	0.040	0.0027	0.007	0.027	0.000	1	15	190	0.988
9/27/2022	18:24:07	-0.109	-0.0045	-0.014	-0.046	0.001	349	0.038	0.0027	0.007	0.026	0.000	1	15	190	0.988
9/27/2022	18:27:41	-0.013	-0.0030	0.004	0.003	0.001	-9	0.005	0.0021	0.005	0.004	0.000	1	15	190	0.988
Direct Zero		**-0.013**														
9/27/2022	18:28:41	-0.035	-0.0003	0.001	-0.009	0.000	0	0.005	0.0021	0.005	0.005	0.000	0	15	190	0.988
9/27/2022	18:29:43	-0.008	-0.0076	-0.002	-0.006	0.000	22	0.005	0.0022	0.005	0.005	0.000	0	15	190	0.988
9/27/2022	18:30:41	-0.022	0.0081	-0.004	-0.010	-0.001	10	0.005	0.0023	0.005	0.006	0.000	0	15	190	0.988

Method 320 QA Data

Instrument Checks

Test Information			
Project Number	491281	Date	9/15/2022
Client	Georgia Power	Facility	Plant McIntosh
Unit Identification	Unit 1	Test Condition/Load	Natural Gas Max
Sampling Location	Exhaust	FTIR Operator	JSG, WM

Equipment Information	
FTIR Analyzer	Spectrum WaveRunner
Background Averaging Time (sec)	120 or 600
Spectrum Averaging Time (sec)	60 or 300
FTIR Cell Temperature (^{o}C)	191
Wavenumber Range (cm^{-1})	2200-5000

Pressure Sensor Verification	
Date Conducted	9/14/2022
Barometric Pressure (" Hg)	29.92
Barometric Pressure (Converted to Atmospheres)	1.00
FTIR Barometric Pressure (ATM)	0.998
% Difference	0.20%
Pass/Fail	**PASS**

Sampling System Leak Check	
Date Conducted	9/14/2022
Length of Sample Line (feet)	120
System Flow Rate (lpm)	5
Leak Check Flow Rate (lpm)	0.01
Allowable Leak Check Flow Rate (lpm)	0.2
Pass/Fail	**PASS**

Sampling System Leak Check - System 2	
Date Conducted	9/26/2022
Length of Sample Line (feet)	120
System Flow Rate (lpm)	5
Leak Check Flow Rate (lpm)	0.01
Allowable Leak Check Flow Rate (lpm)	0.2
Pass/Fail	**PASS**

CTS Calibration Checks

Test Information

Project Number	491281		Date	9/15/2022
Client	Georgia Power		Facility	Plant McIntosh
Unit Identification	Unit 1		Test Condition/Load	Natural Gas Max
Sampling Location	Exhaust		FTIR Operator	JSG, WM
Equipment Information				
FTIR Analyzer	Spectrum WaveRunner		Test Method	EPA Method 320
CTS Gas Used	Ethylene			
CTS Gas Cylinder ID	CC712186			
CTS Gas Conc. (ppm)	98.72			

Reference Method Calibration Measurements

	Cal Gas Test	Measured Concentration	% Error	% Difference (Pre/Post)
CTS	Pre-Test Direct	100.874	2.2%	
	Post-Test Direct	99.885	1.2%	**1.0%**
	Pre-Test System	99.890	1.2%	
	Post-Test System	99.043	0.3%	**0.9%**
Zero	Pre-Test Direct	0.309	NA	
	Post-Test Direct	0.378	NA	NA
	Pre-Test System	0.291	NA	
	Post-Test System	0.353	NA	NA

Minimum Detection Limit

Test Information

Project Number	491281		Date	9/15/2022
Client	Georgia Power		Facility	Plant McIntosh
Unit Identification	Unit 1		Test Condition/Load	Natural Gas Max
Sampling Location	Exhaust		FTIR Operator	JSG, WM

Equipment Information

FTIR Analyzer	Spectrum WaveRunner		Test Method	EPA Method 320
Spectrum Averaging Time (sec)	60			

SYSTEM INSTRUMENT DETECTION LIMIT

Measurement	Time	Formaldehyde	HCl
		ppmvw	ppmvw
Spectrum 1	9:25:18	-0.010	0.104
Spectrum 2	9:30:18	-0.028	0.114
Spectrum 3	9:35:18	-0.024	0.114
Spectrum 4	9:40:18	-0.022	0.103
Spectrum 5	9:45:19	-0.020	0.109
Spectrum 6	9:50:18	-0.023	0.104
Spectrum 7	9:55:18	-0.022	0.106
Spectrum 8	10:00:18	-0.027	0.098
Average		**-0.0220**	**0.106**
Standard Deviation		**0.0050**	**0.005**
Instrument Detection Limit		**0.0149**	**0.016**

SYSTEM INSTRUMENT DETECTION LIMIT

Measurement	Time	HF	Water
		ppmvw	%
Spectrum 1	9:25:18	0.469	118460
Spectrum 2	9:30:18	0.581	127775
Spectrum 3	9:35:18	0.573	132904
Spectrum 4	9:40:18	0.589	122337
Spectrum 5	9:45:19	0.645	128235
Spectrum 6	9:50:18	0.600	129049
Spectrum 7	9:55:18	0.608	127893
Spectrum 8	10:00:18	0.605	122691
Average		**0.584**	**126168**
Standard Deviation		**0.048**	**4326**
Method Detection Limit		**0.144**	**12977**

Detection Limit = 3 X Standard Deviation of 8 Consectutive Measurements

FTIR Response Time

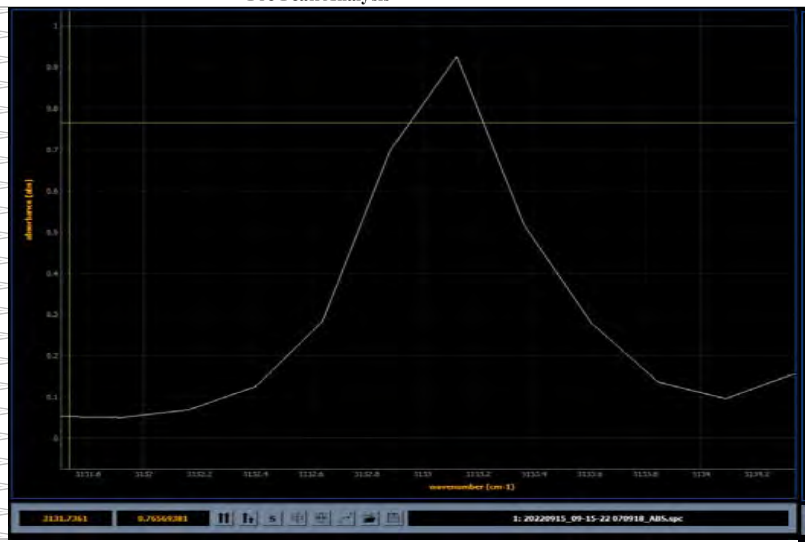
Project Number	491281	Date	9/15/2022
Client	Georgia Power	Facility	Plant McIntosh
Unit Identification	Unit 1	Test Condition/Load	Natural Gas Max
Sampling Location	Exhaust	FTIR Operator	JSG, WM
Equipment Information			
FTIR Analyzer	Spectrum WaveRunner	Test Method	EPA Method 320
Spectrum Averaging Time	15		
CTS Gas Used	Ethylene		
CTS Gas Cylinder ID	CC712186		
CTS Gas Conc. (ppm)	98.72		

Reference Method Calibration Measurements

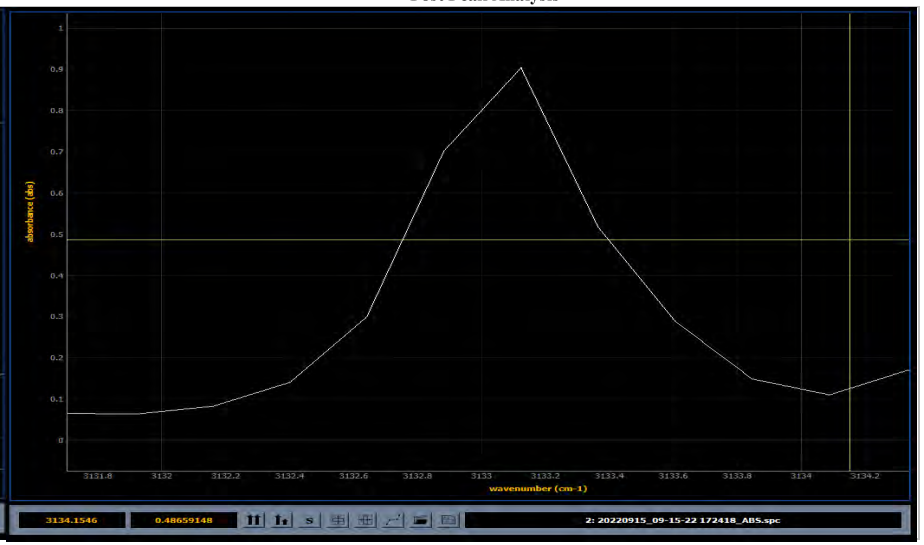
	Date	Time	Ethylene (ppmv)	% Cyl. Conc.	Response Time (min:sec)
CTS	9/15/2022	7:13:09	0.370	0.4%	
	9/15/2022	7:14:08	81.253	82.6%	
	9/15/2022	7:15:08	99.352	101.0%	01:59
	9/15/2022	7:16:08	99.667	101.3%	02:59

Project Number: Company: **Georgia Power**
Client Name: Facility: **Plant McIntosh**
Facility: Technicians: **J. Grizzle/W. McKibben**
Date: Project Number: **491281**
Technician:

Pre Peak Analysis



Post Peak Analysis

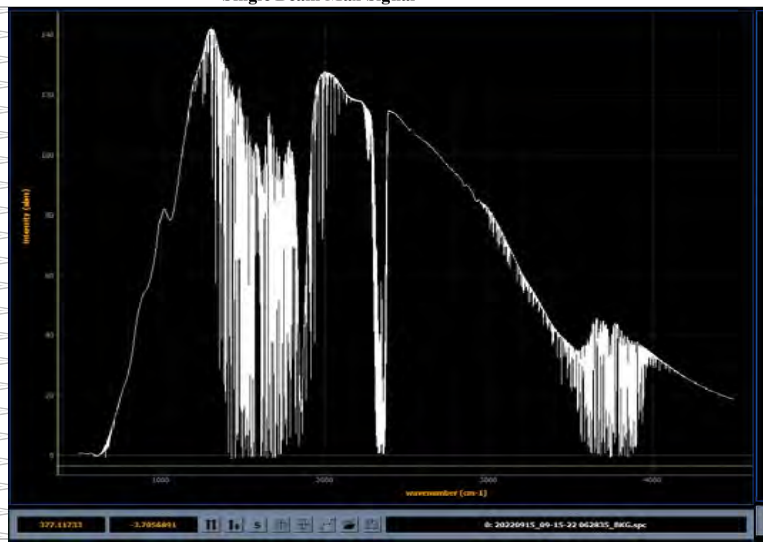


Pre Peak AU	0.922	
Post Peak AU	0.9030	
FWHH Pre Peak Analysis	0.7123	cm^{-1}
FWHH Post Peak Analysis	0.753	cm^{-1}
Requirement by ASTM D6348		
FTIR Resolution Drift (%)	5.39	< 15% Drift

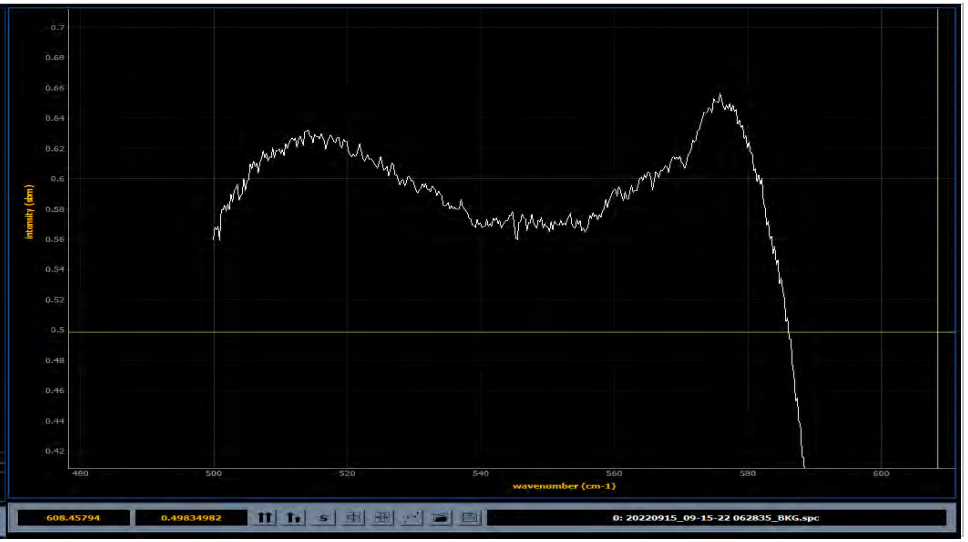
Resolution Setting for Analysis	1	cm^{-1} Single Sided
Line Position Pre Peak Analysis	3133.1227	cm^{-1}
Line Position Post Peak Analysis	3133.1254	cm^{-1}
Requirement by ASTM D6348		
Line Position shift	-0.0027	± 0.1500

Project Number: Company: **Georgia Power**
Client Name: Facility: **Plant McIntosh**
Facility: Technicians: **J. Grizzle/W. McKibben**
Date: Project Number: **491281**
Technician:

Single Beam Max Signal



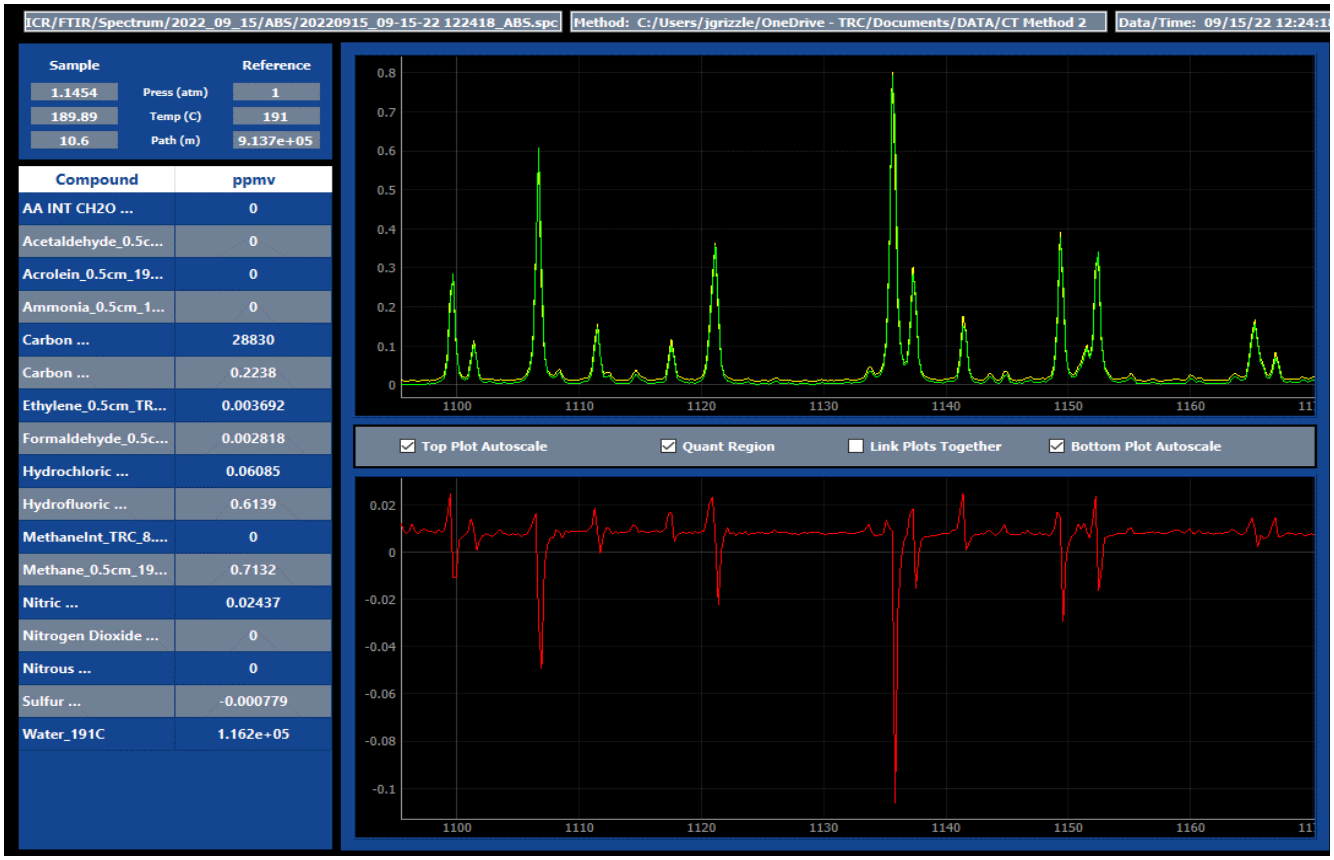
Signal from 200 to 600 cm^{-1}



MCT Detector Saturation Check	
Date Conducted	9/15/2022
Maximum Signal 200-500 cm^{-1}	0.016
Maximum Single Beam Signal	142
Allowable Signal 200-600 cm^{-1} (1% of Max)	1.42
Pass/Fail	**PASS**
1% of Max Single Beam Signal Acceptance Criteria	

Manual Validation of Spectra

Project Number: 491281
Client Name: Georgia Power
Facility: Plant McIntosh
Date: 9/15/2022
Technician: JSG, WM



Manual Validation	File Name	20220915-09-15-22_122418		
Target Analyte(s)	**Automated Result**	**Manual Result**	**% Difference**	
H2O	113691.00	116200	2.16	
HF	0.66	0.6139	7.35	
HCl	0.07	0.06	15.00	
CH2O	-0.32	0	NA	

CTS Calibration Checks

Test Information

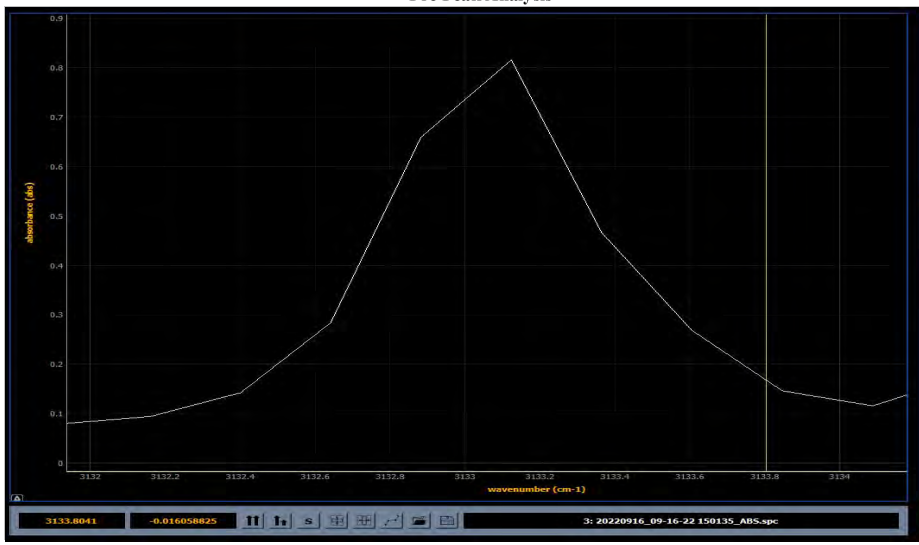
Project Number	491281		Date	9/16/2022
Client	Georgia Power		Facility	Plant McIntosh
Unit Identification	Unit 1		Test Condition/Load	Natural Gas Max
Sampling Location	Exhaust		FTIR Operator	JSG, WM
Equipment Information				
FTIR Analyzer	Spectrum WaveRunner		Test Method	EPA Method 320
CTS Gas Used	Ethylene			
CTS Gas Cylinder ID	CC712186			
CTS Gas Conc. (ppm)	98.72			

Reference Method Calibration Measurements

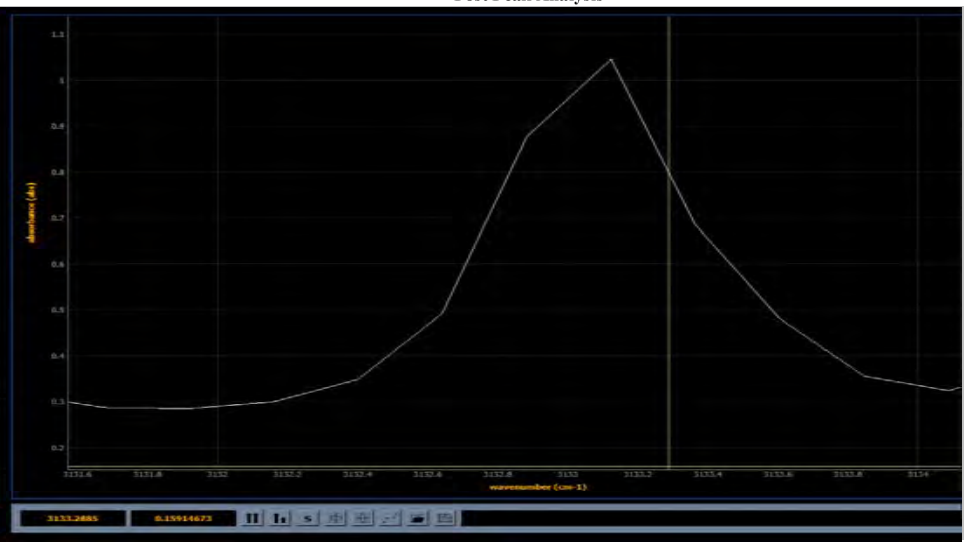
	Cal Gas Test	Measured Concentration	% Error	% Difference (Pre/Post)
CTS	Pre-Test Direct	100.335	1.6%	
	Post-Test Direct	99.198	0.5%	**1.1%**
Zero	Pre-Test Direct	0.338	NA	
	Post-Test Direct	0.397	NA	NA

Project Number: Company: **Georgia Power**
Client Name: Facility: **Plant McIntosh**
Facility: Technicians: **J. Grizzle/W. McKibben**
Date: Project Number: **491281**
Technician:

Pre Peak Analysis



Post Peak Analysis

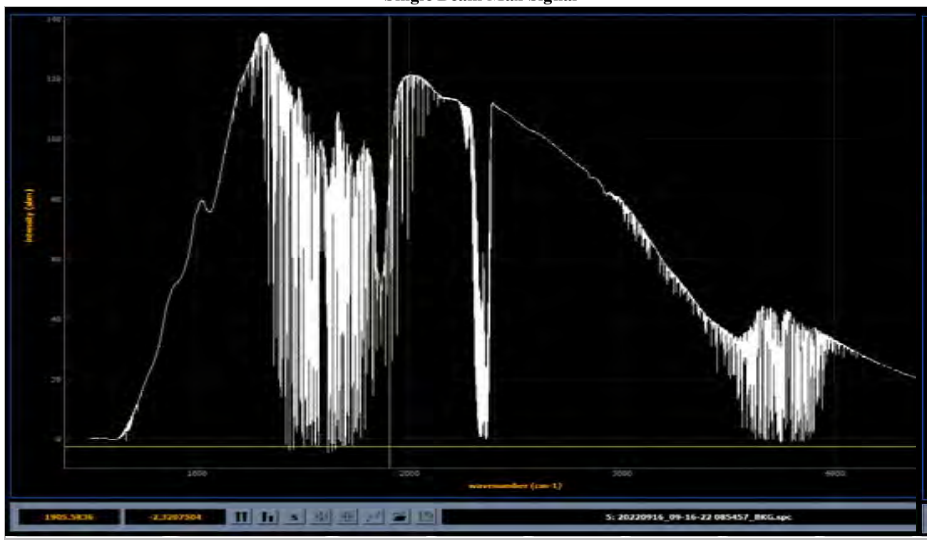


Pre Peak AU	0.732	
Post Peak AU	0.7590	
FWHH Pre Peak Analysis	0.6439	cm^{-1}
FWHH Post Peak Analysis	0.643	cm^{-1}
Requirement by ASTM D6348		
FTIR Resolution Drift (%)	-0.14	< 15% Drift

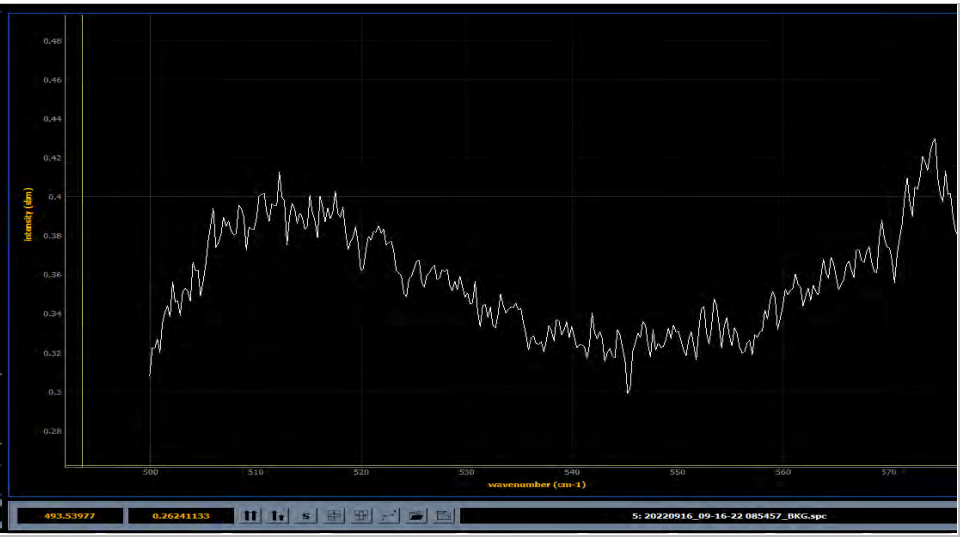
Resolution Setting for Analysis	1	cm^{-1} Single Sided
Line Position Pre Peak Analysis	3133.1218	cm^{-1}
Line Position Post Peak Analysis	3133.3900	cm^{-1}
Requirement by ASTM D6348		
Line Position shift	-0.2682	± 0.1500

Project Number:	Company:	**Georgia Power**
Client Name:	Facility:	**Plant McIntosh**
Facility:	Technicians:	**J. Grizzle/W. McKibben**
Date:	Project Number:	**491281**
Technician:		

Single Beam Max Signal



Signal from 200 to 600 cm^{-1}



MCT Detector Saturation Check	
Date Conducted	9/16/2022
Maximum Signal 200-500 cm^{-1}	0.037
Maximum Single Beam Signal	135
Allowable Signal 200-600 cm^{-1} (1% of Max)	1.35
Pass/Fail	**PASS**
1% of Max Single Beam Signal Acceptance Criteria	

CTS Calibration Checks

Test Information

Project Number	491281		Date	9/17/2022
Client	Georgia Power		Facility	Plant McIntosh
Unit Identification	Unit 1		Test Condition/Load	Fuel Oil
Sampling Location	Exhaust		FTIR Operator	JSG, WM
Equipment Information				
FTIR Analyzer	Spectrum WaveRunner		Test Method	EPA Method 320
CTS Gas Used	Ethylene			
CTS Gas Cylinder ID	CC712186			
CTS Gas Conc. (ppm)	98.72			

Reference Method Calibration Measurements

	Cal Gas Test	Measured Concentration	% Error	% Difference (Pre/Post)
CTS	Pre-Test Direct	99.655	0.9%	
	Post-Test Direct	99.355	0.6%	**0.3%**
	Pre-Test System	99.677	1.0%	
	Post-Test System	98.940	0.2%	**0.7%**
Zero	Pre-Test Direct	0.370	NA	
	Post-Test Direct	0.397	NA	NA
	Pre-Test System	0.370	NA	
	Post-Test System	0.423	NA	NA

Minimum Detection Limit

Test Information

Project Number	491281		Date	9/17/2022
Client	Georgia Power		Facility	Plant McIntosh
Unit Identification	Unit 1		Test Condition/Load	Fuel Oil
Sampling Location	Exhaust		FTIR Operator	JSG, WM

Equipment Information

FTIR Analyzer	Spectrum WaveRunner		Test Method	EPA Method 320
Spectrum Averaging Time (sec)	60			

SYSTEM INSTRUMENT DETECTION LIMIT

Measurement	Time	Formaldehyde	HCl
		ppmvw	ppmvw
Spectrum 1	8:32:10	-0.033	0.081
Spectrum 2	8:37:10	-0.035	0.085
Spectrum 3	8:42:10	-0.035	0.079
Spectrum 4	8:47:10	-0.039	0.069
Spectrum 5	8:52:10	-0.035	0.059
Spectrum 6	8:57:10	-0.037	0.060
Spectrum 7	9:02:10	-0.040	0.048
Spectrum 8	9:07:10	-0.036	0.054
Average		**-0.0362**	**0.067**
Standard Deviation		**0.0021**	**0.013**
Instrument Detection Limit		**0.0063**	**0.039**

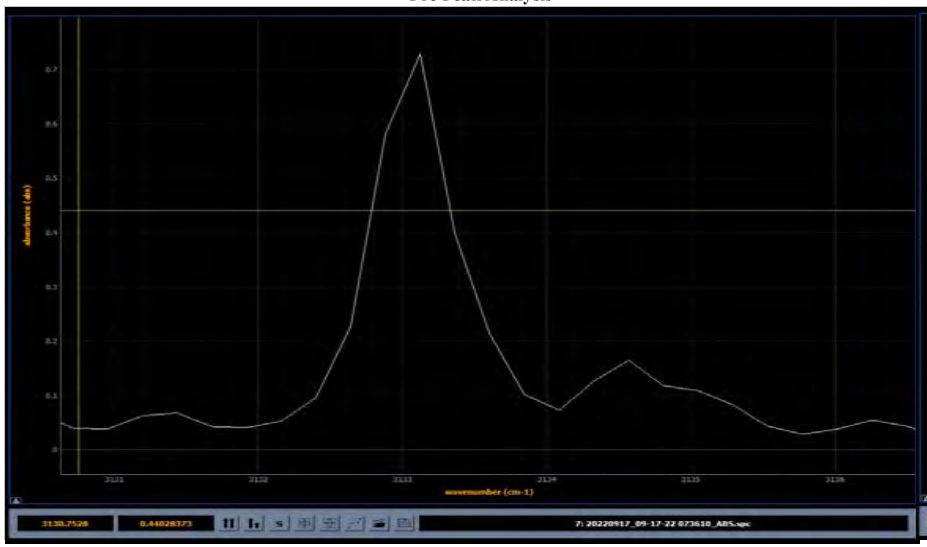
SYSTEM INSTRUMENT DETECTION LIMIT

Measurement	Time	HF	Water
		ppmvw	ppmvw
Spectrum 1	8:32:10	0.779	103452
Spectrum 2	8:37:10	0.791	106651
Spectrum 3	8:42:10	0.797	106010
Spectrum 4	8:47:10	0.781	104136
Spectrum 5	8:52:10	0.769	105097
Spectrum 6	8:57:10	0.758	104881
Spectrum 7	9:02:10	0.758	103148
Spectrum 8	9:07:10	0.782	104426
Average		**0.777**	**104725**
Standard Deviation		**0.013**	**1122**
Method Detection Limit		**0.040**	**3365**

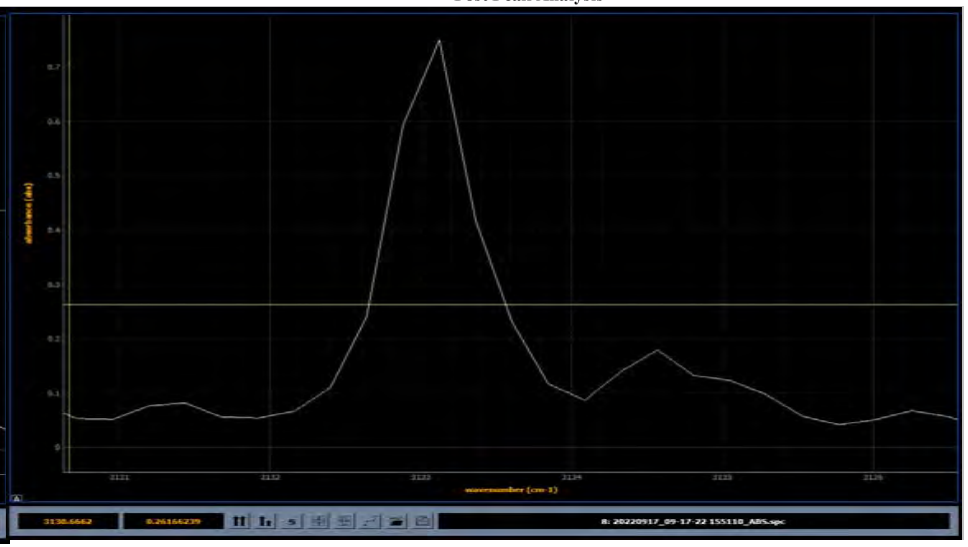
Detection Limit = 3 X Standard Deviation of 8 Consectutive Measurements

Company: Georgia Power
Facility: Plant McIntosh
Technicians: J.Grizzle, W. McKibben
Project Number: 491281

Pre Peak Analysis



Post Peak Analysis

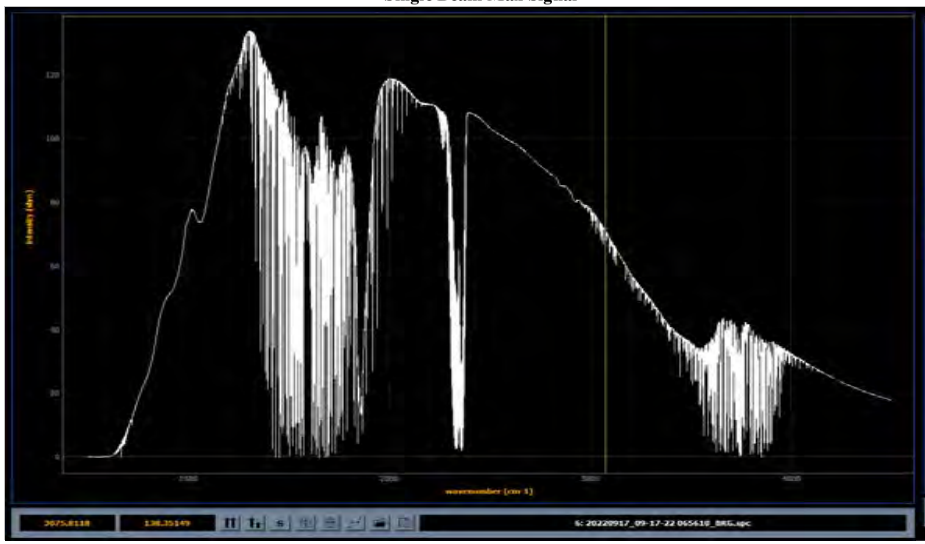


Pre Peak AU	0.686	
Post Peak AU	0.6950	
FWHH Pre Peak Analysis	0.6386	cm^{-1}
FWHH Post Peak Analysis	0.633	cm^{-1}
Requirement by ASTM D6348		
FTIR Resolution Drift (%)	-0.85	< 15% Drift

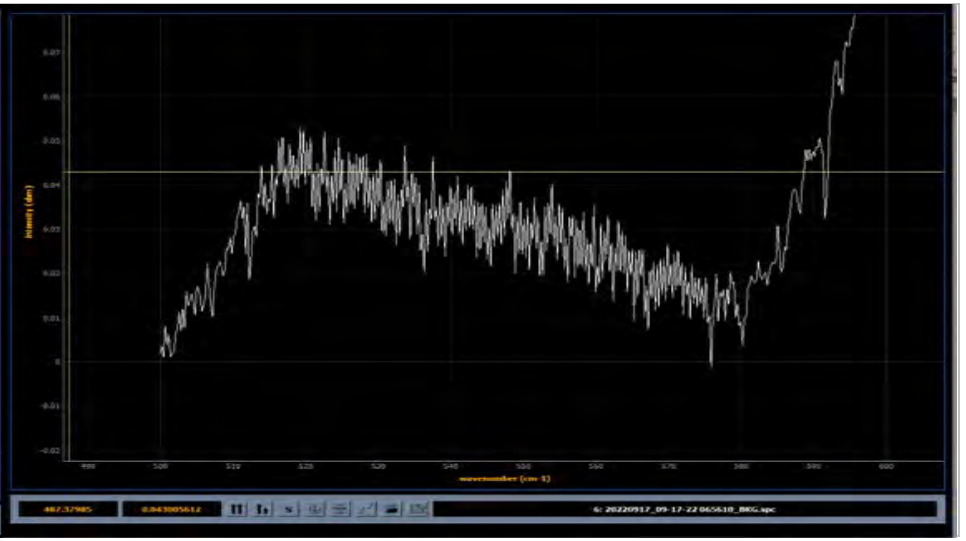
Resolution Setting for Analysis	1	cm^{-1} Single Sided
Line Position Pre Peak Analysis	3133.1232	cm^{-1}
Line Position Post Peak Analysis	3133.1232	cm^{-1}
Requirement by ASTM D6348		
Line Position shift	0.0000	± 0.150

Company: Georgia Power
Facility: Plant McIntosh
Technicians: J.Grizzle, W. McKibben
Project Number: 491281

Single Beam Max Signal



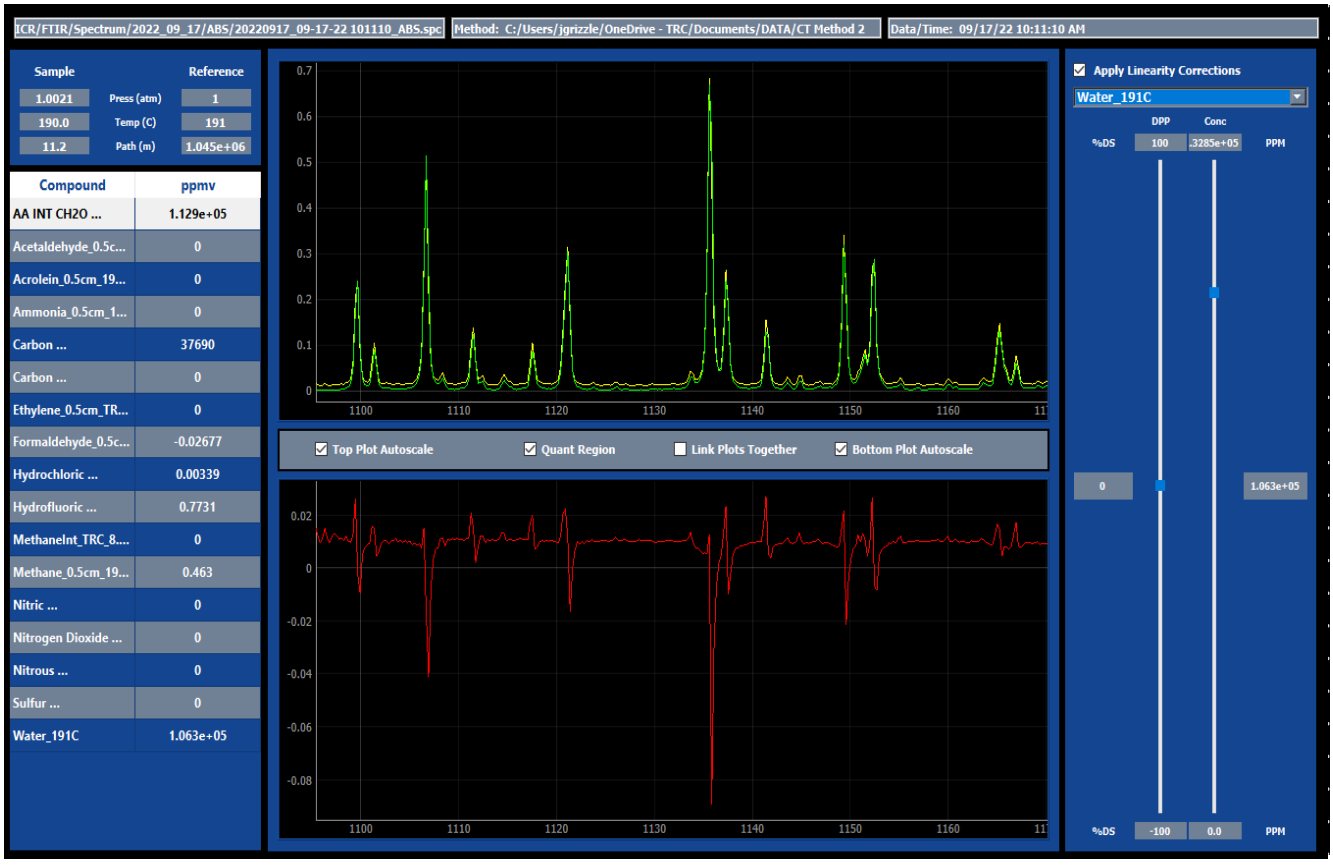
Signal from 200 to 600 cm^{-1}



MCT Detector Saturation Check	
Date Conducted	9/17/2022
Maximum Signal 200-500 cm^{-1}	0.466
Maximum Single Beam Signal	134
Allowable Signal 200-600 cm^{-1} (1% of Max)	1.34
Pass/Fail	**PASS**
1% of Max Single Beam Signal Acceptance Criteria	

Manual Validation of Spectra

Project Number: 491281
Client Name: Georgia Power
Facility: Plant McIntosh
Date: 9/17/2022
Technician: JSG, WM



Manual Validation	File Name	20220917-0917-22-101110		
Target Analyte(s)	**Automated Result**	**Manual Result**	**% Difference**	
H2O	104275	106300	1.90	
CH2O	-0.408	0	NA	
HF	0.778	0.7731	0.63	
HCl	0.004	0.003	33.33	

CTS Calibration Checks

Test Information

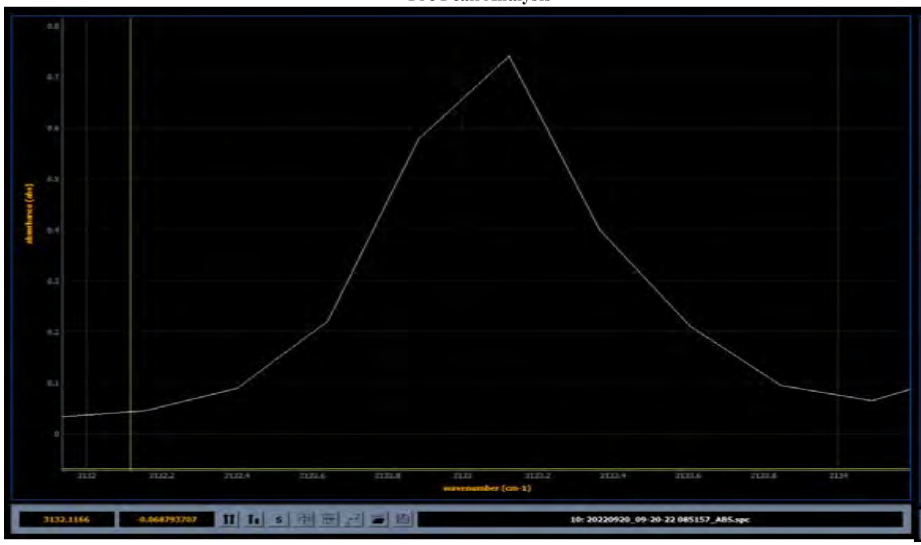
Project Number	491281		Date	9/20/2022
Client	Georgia Power		Facility	Plant McIntosh
Unit Identification	Unit 1		Test Condition/Load	Fuel Oil
Sampling Location	Exhaust		FTIR Operator	JSG, WM
Equipment Information				
FTIR Analyzer	Spectrum WaveRunner		Test Method	EPA Method 320
CTS Gas Used	Ethylene			
CTS Gas Cylinder ID	CC712186			
CTS Gas Conc. (ppm)	98.72			

Reference Method Calibration Measurements

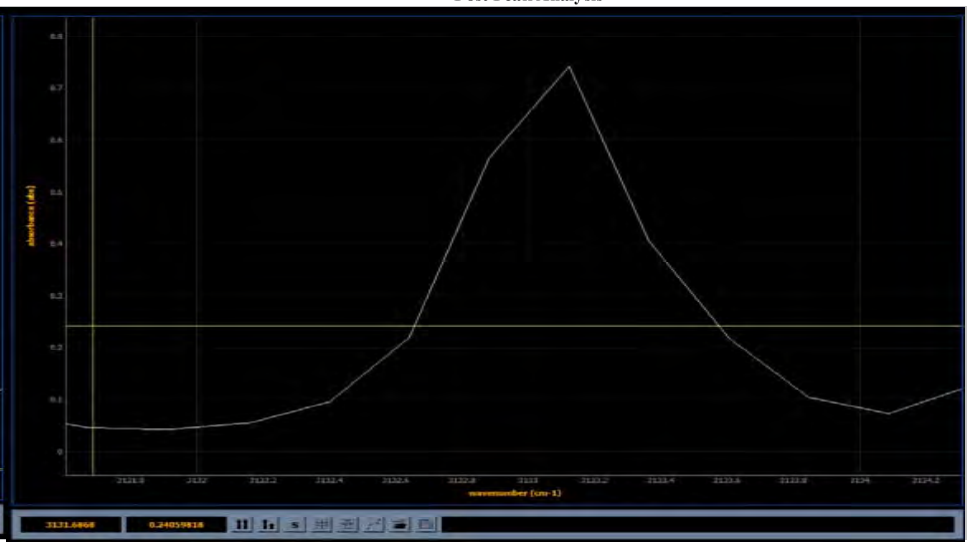
	Cal Gas Test	Measured Concentration	% Error	% Difference (Pre/Post)
CTS	Pre-Test Direct	99.014	0.3%	
	Post-Test Direct	98.068	-0.7%	**1.0%**
	Pre-Test System	98.990	0.3%	
	Post-Test System	98.018	-0.7%	**1.0%**
Zero	Pre-Test Direct	0.398	NA	
	Post-Test Direct	-0.033	NA	NA
	Pre-Test System	0.343	NA	
	Post-Test System	0.033	NA	NA

Company: Georgia Power
Facility: Plant McIntosh
Technicians: J. Grizzle/W. McKibben
Project Number: 491281

Pre Peak Analysis



Post Peak Analysis

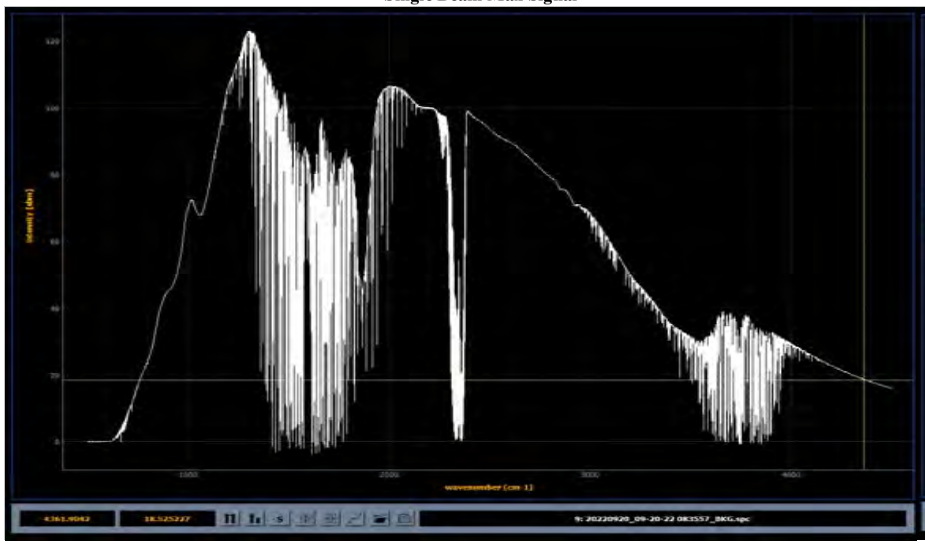


Pre Peak AU	0.707	
Post Peak AU	0.6980	
FWHH Pre Peak Analysis	0.6341	cm^{-1}
FWHH Post Peak Analysis	0.619	cm^{-1}
Requirement by ASTM D6348		
FTIR Resolution Drift (%)	-2.39	< 15% Drift

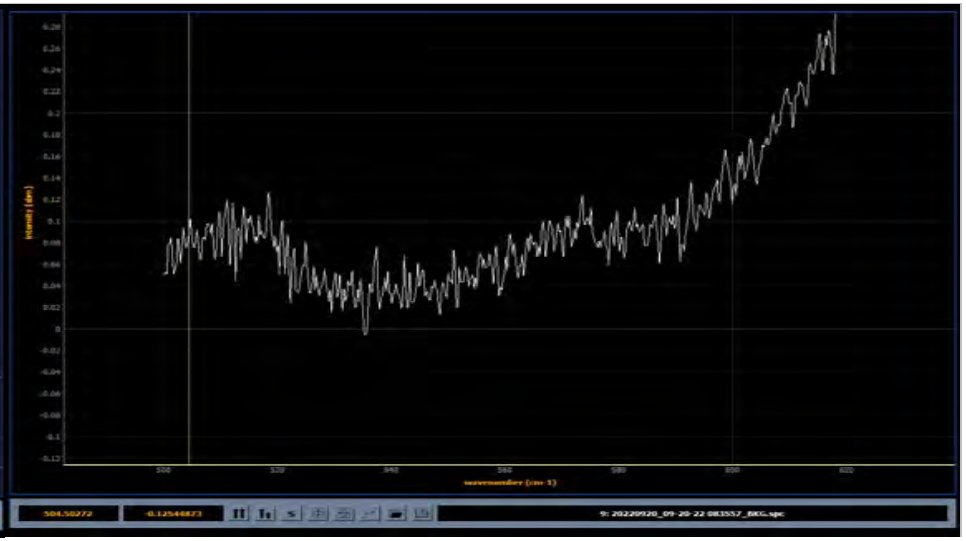
Resolution Setting for Analysis	1	cm^{-1} Single Sided
Line Position Pre Peak Analysis	3133.1247	cm^{-1}
Line Position Post Peak Analysis	3133.1252	cm^{-1}
Requirement by ASTM D6348		
Line Position shift	-0.0005	± 0.150

Company: Georgia Power
Facility: Plant McIntosh
Technicians: J. Grizzle/W. McKibben
Project Number: 491281

Single Beam Max Signal



Signal from 200 to 600 cm^{-1}



MCT Detector Saturation Check	
Date Conducted	9/20/2022
Maximum Signal 200-500 cm^{-1}	0.0132
Maximum Single Beam Signal	123
Allowable Signal 200-600 cm^{-1} (1% of Max)	1.23
Pass/Fail	**PASS**
1% of Max Single Beam Signal Acceptance Criteria	

CTS Calibration Checks

Test Information

Project Number	491281		Date	9/21/2022
Client	Georgia Power		Facility	Plant McIntosh
Unit Identification	Unit 2		Test Condition/Load	Natural Gas
Sampling Location	Exhaust		FTIR Operator	JSG, WM
Equipment Information				
FTIR Analyzer	Sprectrum WaveRunner		Test Method	EPA Method 320
CTS Gas Used	Ethylene			
CTS Gas Cylinder ID	CC712186			
CTS Gas Conc. (ppm)	98.72			

Reference Method Calibration Measurements

	Cal Gas Test	Measured Concentration	% Error	% Difference (Pre/Post)
CTS	Pre-Test Direct	99.003	0.3%	
	Post-Test Direct	98.055	-0.7%	**1.0%**
	Pre-Test System	98.224	-0.5%	
	Post-Test System	97.927	-0.8%	**0.3%**
Zero	Pre-Test Direct	0.374	NA	
	Post-Test Direct	-0.025	NA	NA
	Pre-Test System	0.041	NA	
	Post-Test System	-0.018	NA	NA

Minimum Detection Limit

Test Information

Project Number	491281		Date	9/21/2022
Client	Georgia Power		Facility	Plant McIntosh
Unit Identification	Unit 2		Test Condition/Load	Natural Gas
Sampling Location	Exhaust		FTIR Operator	JSG, WM

Equipment Information

FTIR Analyzer	Sprectrum WaveRunner		Test Method	EPA Method 320
Spectrum Averaging Time (sec)	60			

SYSTEM INSTRUMENT DETECTION LIMIT

Measurement	Time	Formaldehyde	HCl
		ppmvw	ppmvw
Spectrum 1	11:35:55	-0.008	0.136
Spectrum 2	11:40:55	-0.015	0.135
Spectrum 3	11:45:55	-0.013	0.132
Spectrum 4	11:50:55	-0.015	0.126
Spectrum 5	11:55:55	-0.008	0.124
Spectrum 6	12:00:55	-0.012	0.123
Spectrum 7	12:05:55	-0.012	0.113
Spectrum 8	12:10:55	-0.007	0.117
Average		**-0.0113**	**0.126**
Standard Deviation		**0.0031**	**0.008**
Instrument Detection Limit		**0.0094**	**0.023**

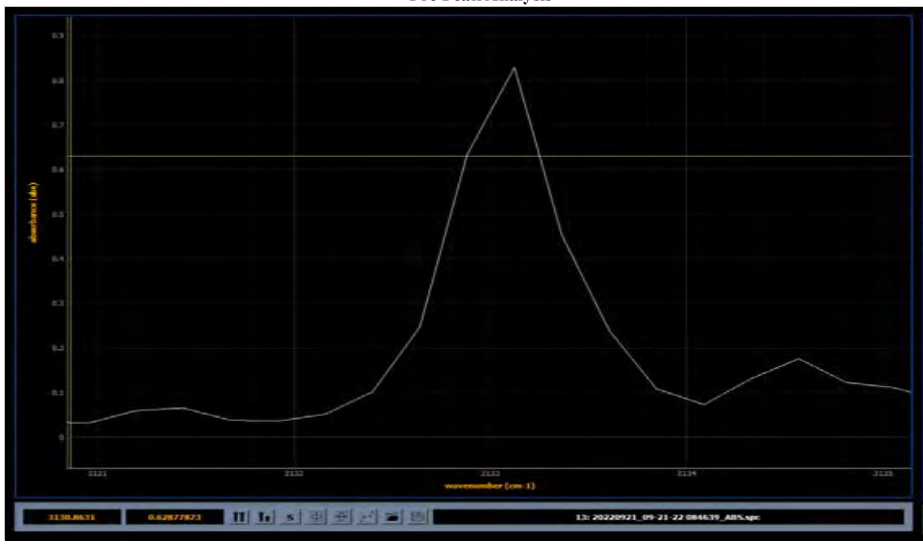
SYSTEM INSTRUMENT DETECTION LIMIT

Measurement	Time	HF	Water
		ppmvw	ppmvw
Spectrum 1	11:35:55	0.839	131421
Spectrum 2	11:40:55	0.920	131348
Spectrum 3	11:45:55	0.890	125022
Spectrum 4	11:50:55	0.929	135187
Spectrum 5	11:55:55	0.907	124860
Spectrum 6	12:00:55	0.914	125469
Spectrum 7	12:05:55	0.930	129373
Spectrum 8	12:10:55	0.955	136445
Average		**0.911**	**129891**
Standard Deviation		**0.032**	**4247**
Method Detection Limit		**0.097**	**12741**

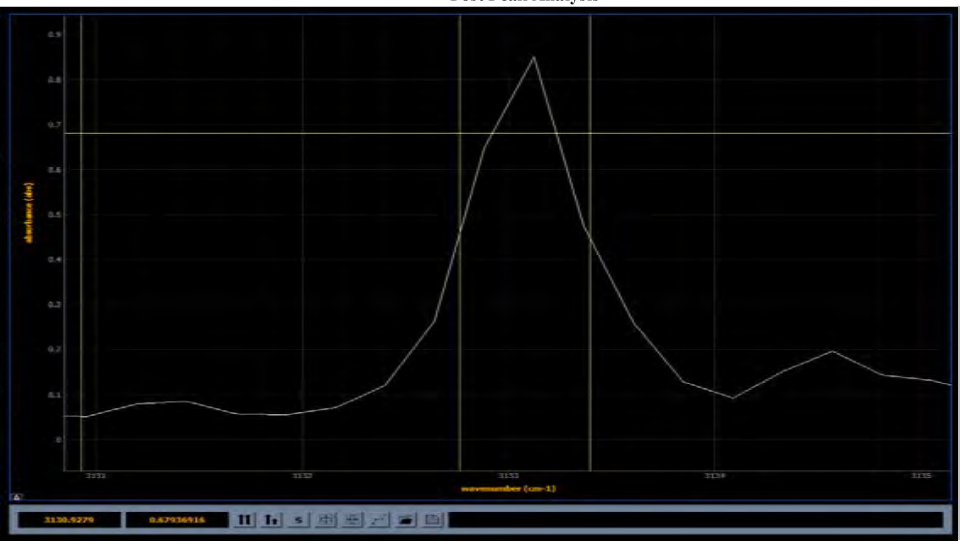
Detection Limit = 3 X Standard Deviation of 8 Consectutive Measurements

Company: Georgia Power
Facility: Plant McIntosh
Technicians: J. Grizzle/W. McKibben
Project Number: 491281

Pre Peak Analysis



Post Peak Analysis

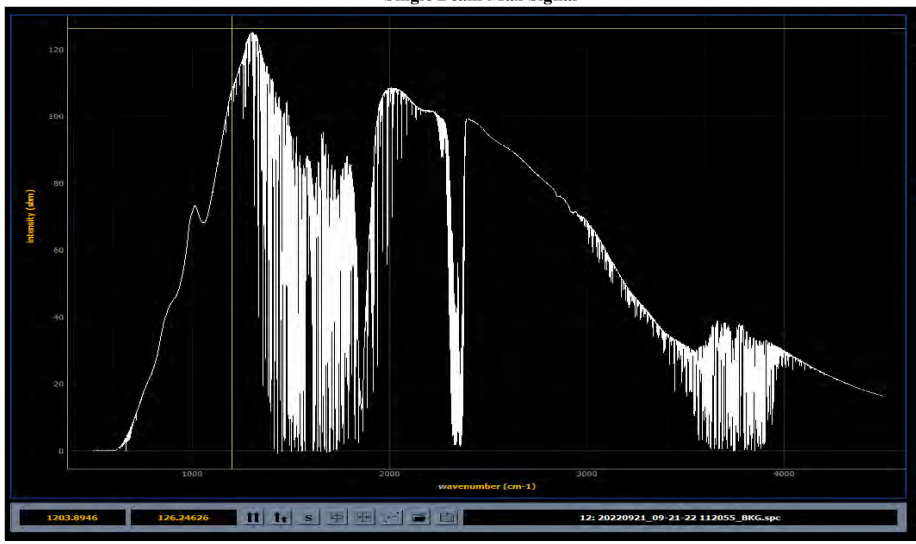


Pre Peak AU	0.793	
Post Peak AU	0.7970	
FWHH Pre Peak Analysis	0.6315	cm^{-1}
FWHH Post Peak Analysis	0.632	cm^{-1}
Requirement by ASTM D6348		
FTIR Resolution Drift (%)	0.06	< 15% Drift

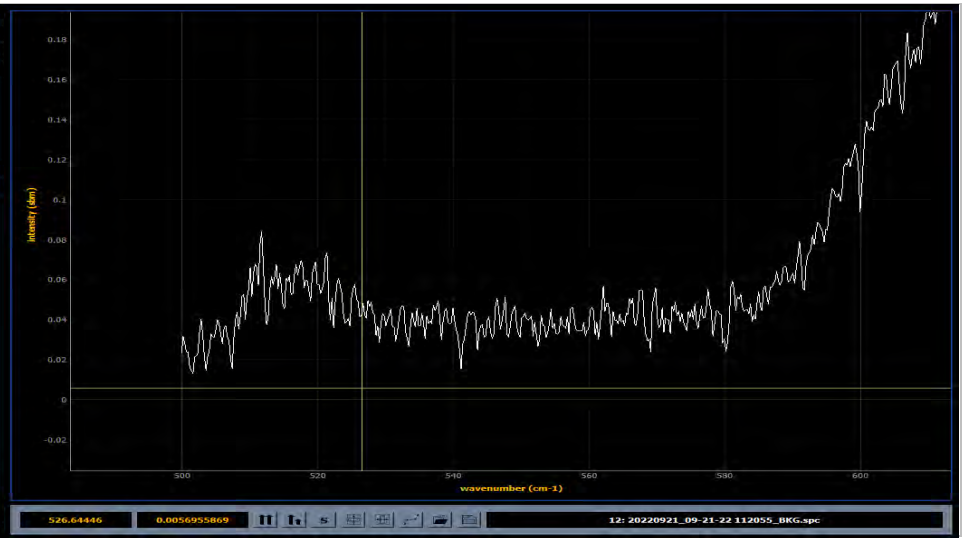
Resolution Setting for Analysis	1	cm^{-1} Single Sided
Line Position Pre Peak Analysis	3133.1253	cm^{-1}
Line Position Post Peak Analysis	3133.1233	cm^{-1}
Requirement by ASTM D6348		
Line Position shift	0.0020	± 0.1500

Company: Georgia Power
Facility: Plant McIntosh
Technicians: J. Grizzle/W. McKibben
Project Number: 491281

Single Beam Max Signal



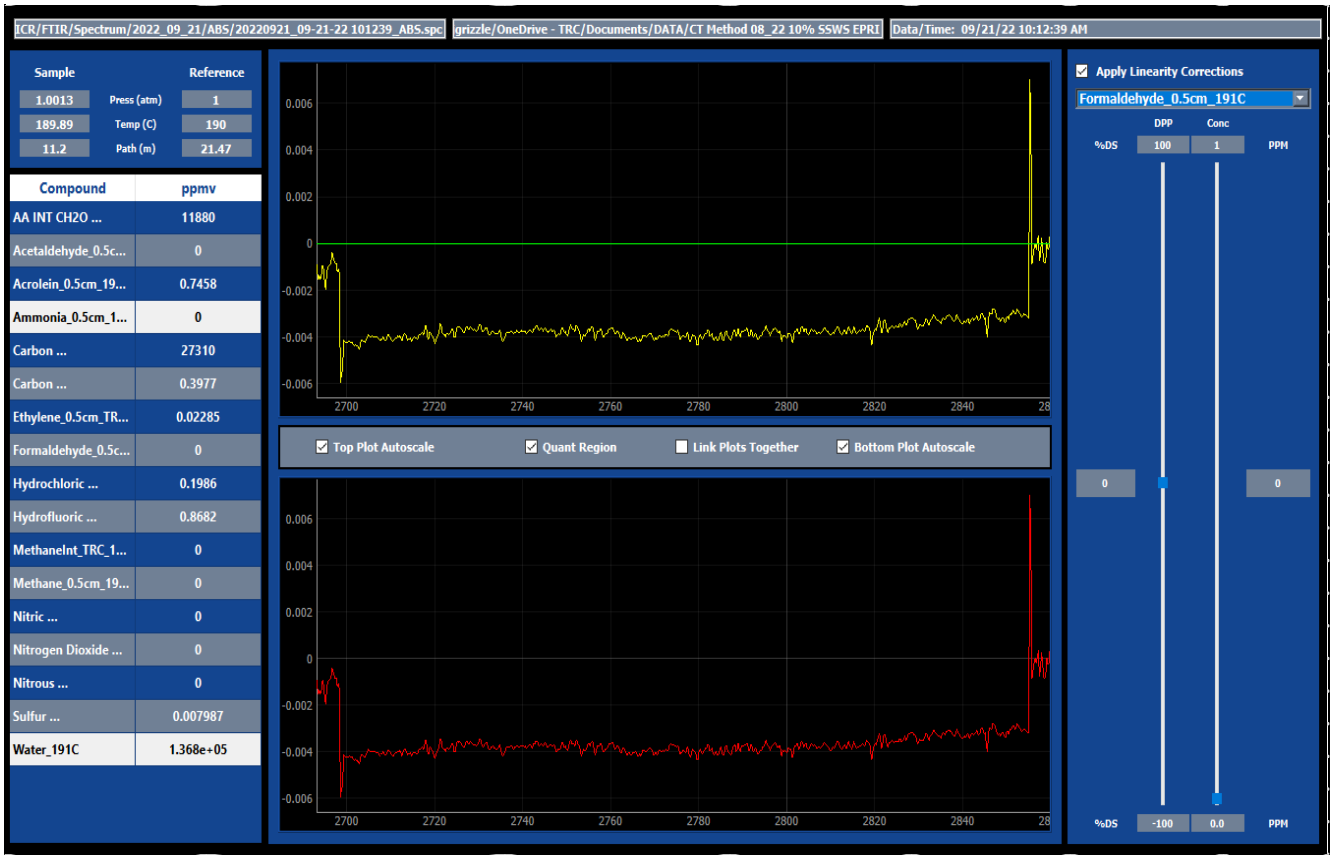
Signal from 200 to 600 cm^{-1}



MCT Detector Saturation Check	
Date Conducted	9/21/2022
Maximum Signal 200-500 cm^{-1}	0.045
Maximum Single Beam Signal	125
Allowable Signal 200-600 cm^{-1} (1% of Max)	1.25
Pass/Fail	**PASS**
1% of Max Single Beam Signal Acceptance Criteria	

Manual Validation of Spectra

Project Number: 491281
Client Name: Georgia Power
Facility: Plant McIntosh
Date: 9/21/2022
Technician: JSG, WM



Manual Validation	File Name	20220921-09-21-22 101239		
Target Analyte(s)	**Automated Result**	**Manual Result**	**% Difference**	
H2O	133253	136800	2.59	
CH2O	-0.013	0	NA	
HCl	0.207	0.1986	4.29	
HF	0.892	0.8682	2.78	

CTS Calibration Checks

Test Information

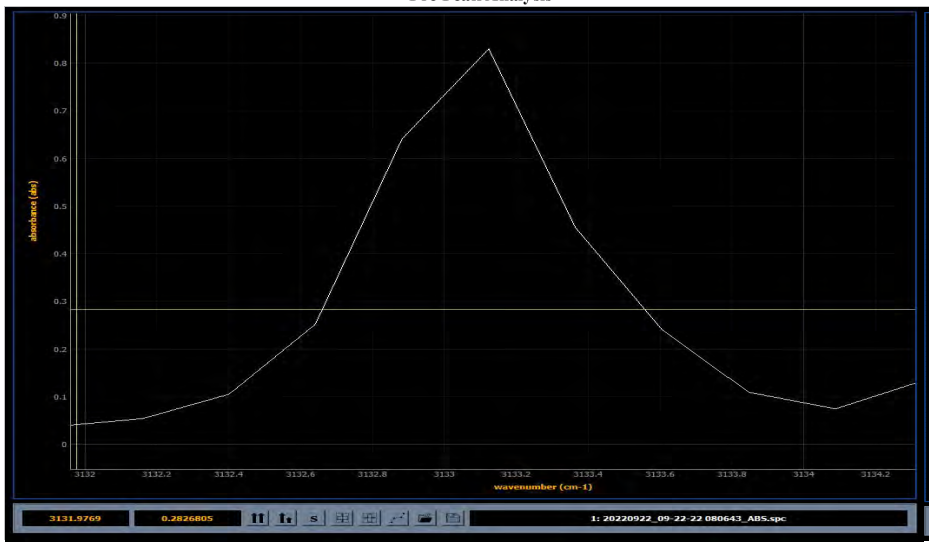
Project Number	491281		Date	9/22/2022
Client	Georgia Power		Facility	Plant McIntosh
Unit Identification	Unit 2		Test Condition/Load	Natural Gas
Sampling Location	Exhaust		FTIR Operator	JSG, WM
Equipment Information				
FTIR Analyzer	Spectrum WaveRunner		Test Method	EPA Method 320
CTS Gas Used	Ethylene			
CTS Gas Cylinder ID	CC712186			
CTS Gas Conc. (ppm)	98.72			

Reference Method Calibration Measurements

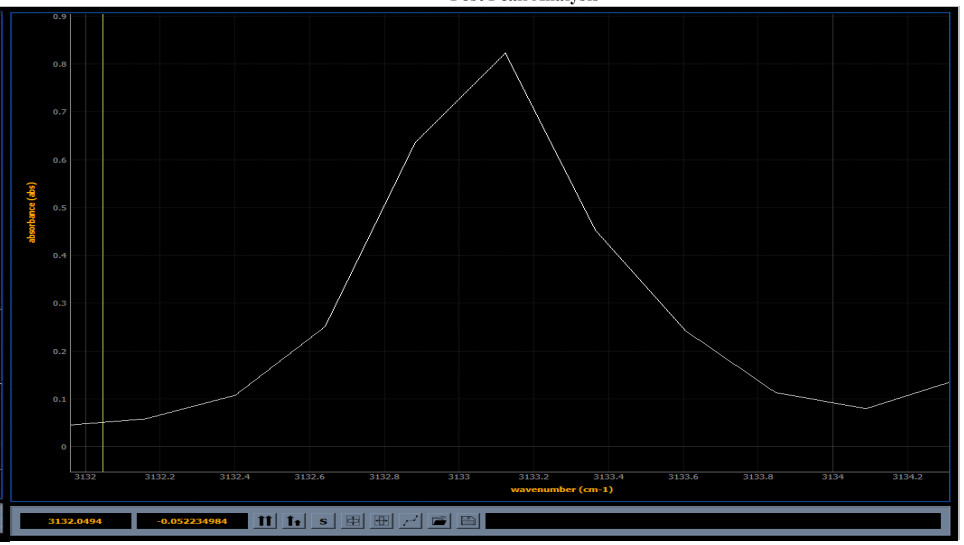
	Cal Gas Test	Measured Concentration	% Error	% Difference (Pre/Post)
CTS	Pre-Test Direct	97.570	-1.2%	
	Post-Test Direct	97.381	-1.4%	**0.2%**
	Pre-Test System	98.055	-0.7%	
	Post-Test System	97.668	-1.1%	**0.4%**
Zero	Pre-Test Direct	-0.030	NA	
	Post-Test Direct	0.029	NA	NA
	Pre-Test System	0.087	NA	
	Post-Test System	0.028	NA	NA

Company: Georgia Power
Facility: Plant McIntosh
Technicians: J. Grizzle/W. McKibben
Project Number: 491281

Pre Peak Analysis



Post Peak Analysis

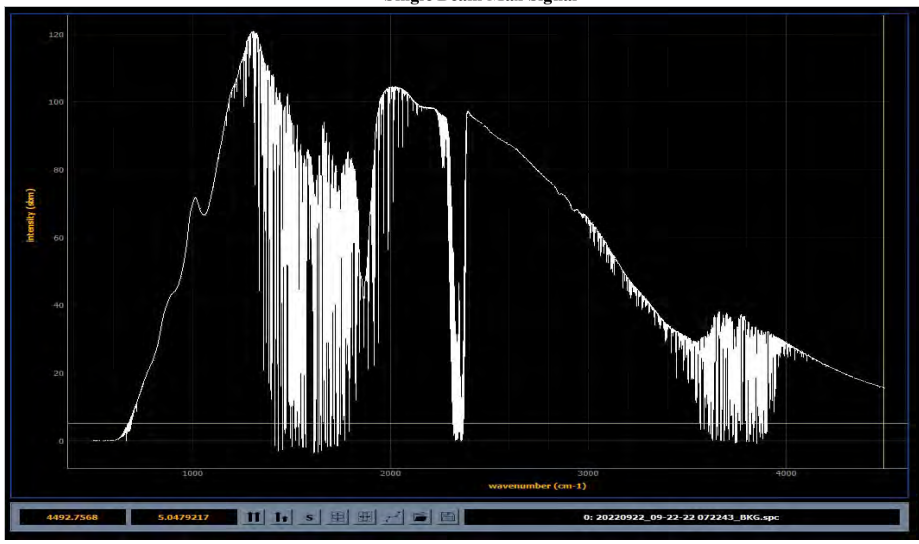


Pre Peak AU	0.793	
Post Peak AU	0.8220	
FWHH Pre Peak Analysis	0.6356	cm^{-1}
FWHH Post Peak Analysis	0.631	cm^{-1}
Requirement by ASTM D6348		
FTIR Resolution Drift (%)	-0.76	< 15% Drift

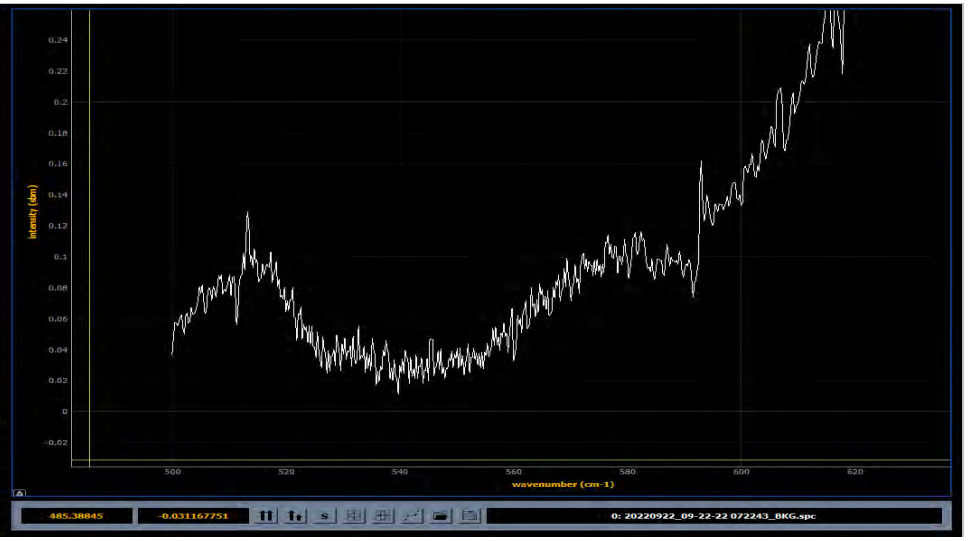
Resolution Setting for Analysis	1	cm^{-1} Single Sided
Line Position Pre Peak Analysis	3133.1249	cm^{-1}
Line Position Post Peak Analysis	3133.1224	cm^{-1}
Requirement by ASTM D6348		
Line Position shift	0.0025	± 0.1500

Company: Georgia Power
Facility: Plant McIntosh
Technicians: J. Grizzle/W. McKibben
Project Number: 491281

Single Beam Max Signal



Signal from 200 to 600 cm^{-1}



MCT Detector Saturation Check	
Date Conducted	9/22/2022
Maximum Signal 200-500 cm^{-1}	0.0327
Maximum Single Beam Signal	121
Allowable Signal 200-600 cm^{-1} (1% of Max)	1.21
Pass/Fail	**PASS**
1% of Max Single Beam Signal Acceptance Criteria	

CTS Calibration Checks

Test Information

Project Number	491281		Date	9/26/2022
Client	Georgia Power		Facility	Plant McIntosh
Unit Identification	Unit 2		Test Condition/Load	Fuel Oil
Sampling Location	Exhaust		FTIR Operator	JSG, WM
Equipment Information				
FTIR Analyzer	Spectrum WaveRunner		Test Method	EPA Method 320
CTS Gas Used	Ethylene			
CTS Gas Cylinder ID	CC712186			
CTS Gas Conc. (ppm)	98.72			

Reference Method Calibration Measurements

	Cal Gas Test	Measured Concentration	% Error	% Difference (Pre/Post)
CTS	Pre-Test Direct	97.534	-1.2%	
	Post-Test Direct	97.156	-1.6%	**0.4%**
	Pre-Test System	97.488	-1.2%	
	Post-Test System	97.201	-1.5%	**0.3%**
Zero	Pre-Test Direct	-0.001	NA	
	Post-Test Direct	-0.054	NA	NA
	Pre-Test System	0.028	NA	
	Post-Test System	-0.065	NA	NA

Minimum Detection Limit

Test Information

Project Number	491281		Date	9/26/2022
Client	Georgia Power		Facility	Plant McIntosh
Unit Identification	Unit 2		Test Condition/Load	Fuel Oil
Sampling Location	Exhaust		FTIR Operator	JSG, WM

Equipment Information

FTIR Analyzer	Spectrum WaveRunner		Test Method	EPA Method 320
Spectrum Averaging Time (sec)	60			

SYSTEM INSTRUMENT DETECTION LIMIT

Measurement	Time	Formaldehyde	HCl
		ppmvw	ppmvw
Spectrum 1	8:13:20	-0.040	0.061
Spectrum 2	8:18:17	-0.038	0.066
Spectrum 3	8:23:17	-0.034	0.073
Spectrum 4	8:28:17	-0.039	0.073
Spectrum 5	8:33:17	-0.040	0.075
Spectrum 6	8:38:17	-0.039	0.068
Spectrum 7	8:43:17	-0.037	0.079
Spectrum 8	8:48:17	-0.034	0.067
Average		**-0.0377**	**0.070**
Standard Deviation		**0.0025**	**0.005**
Instrument Detection Limit		**0.0074**	**0.016**

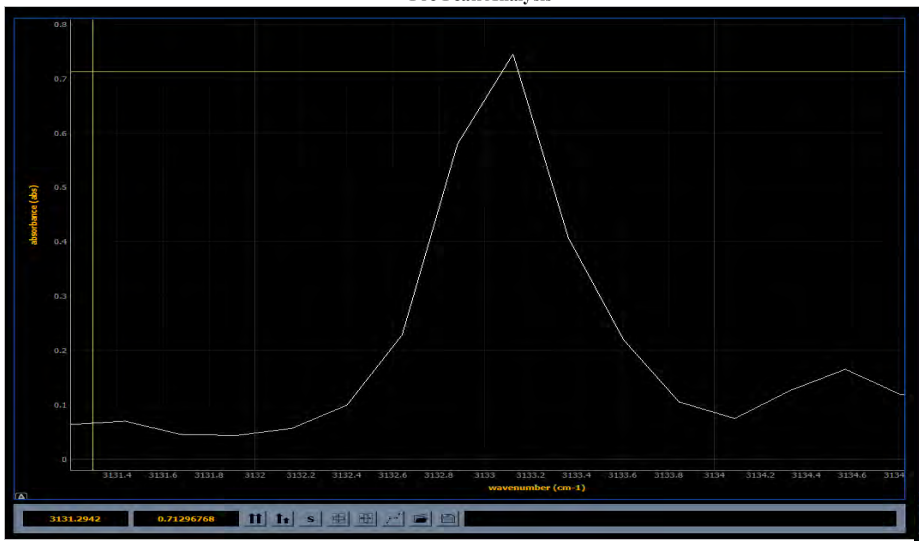
SYSTEM INSTRUMENT DETECTION LIMIT

Measurement	Time	HF	Water
		ppmvw	ppmvw
Spectrum 1	8:13:20	0.617	105812
Spectrum 2	8:18:17	0.785	109452
Spectrum 3	8:23:17	0.774	106631
Spectrum 4	8:28:17	0.774	106291
Spectrum 5	8:33:17	0.773	107036
Spectrum 6	8:38:17	0.767	107771
Spectrum 7	8:43:17	0.734	103292
Spectrum 8	8:48:17	0.767	108268
Average		**0.749**	**106819**
Standard Deviation		**0.052**	**1723**
Method Detection Limit		**0.155**	**5169**

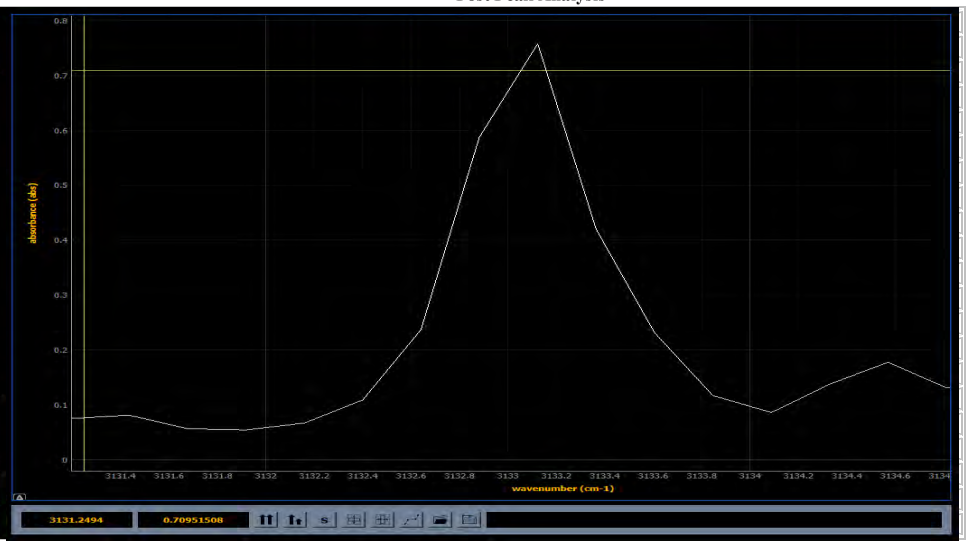
Detection Limit = 3 X Standard Deviation of 8 Consectutive Measurements

Company: Georgia Power
Facility: Plant McIntosh
Technicians: J. Grizzle/W. McKibben
Project Number: 491281

Pre Peak Analysis



Post Peak Analysis

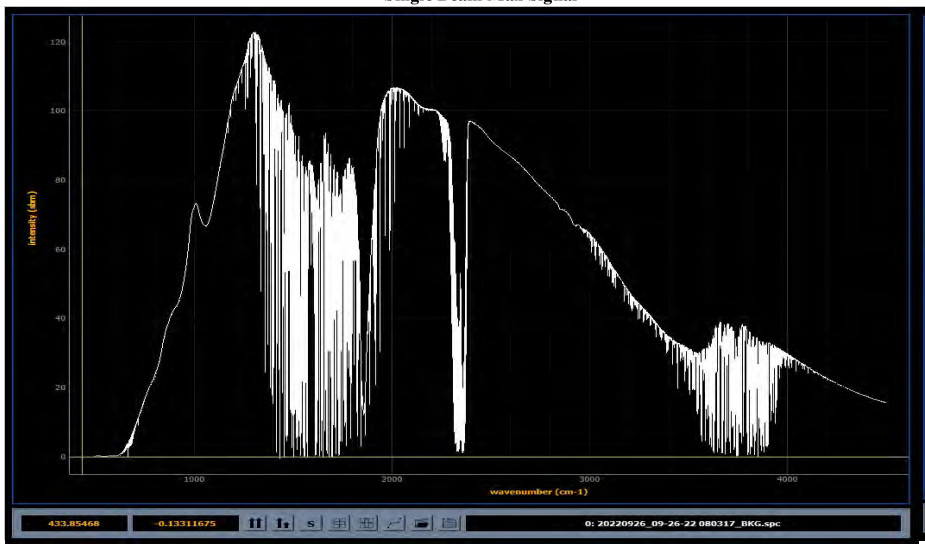


Pre Peak AU	0.702	
Post Peak AU	0.7010	
FWHH Pre Peak Analysis	0.6267	cm^{-1}
FWHH Post Peak Analysis	0.619	cm^{-1}
Requirement by ASTM D6348		
FTIR Resolution Drift (%)	-1.19	< 15% Drift

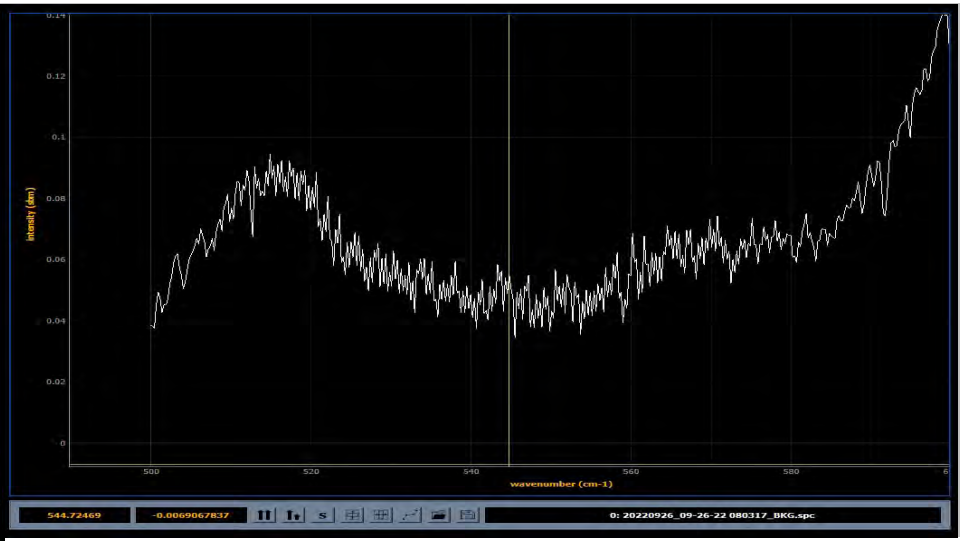
Resolution Setting for Analysis	1	cm^{-1} Single Sided
Line Position Pre Peak Analysis	3133.1260	cm^{-1}
Line Position Post Peak Analysis	3133.1223	cm^{-1}
Requirement by ASTM D6348		
Line Position shift	0.0037	± 0.1500

Company: Georgia Power
Facility: Plant McIntosh
Technicians: J. Grizzle/W. McKibben
Project Number: 491281

Single Beam Max Signal



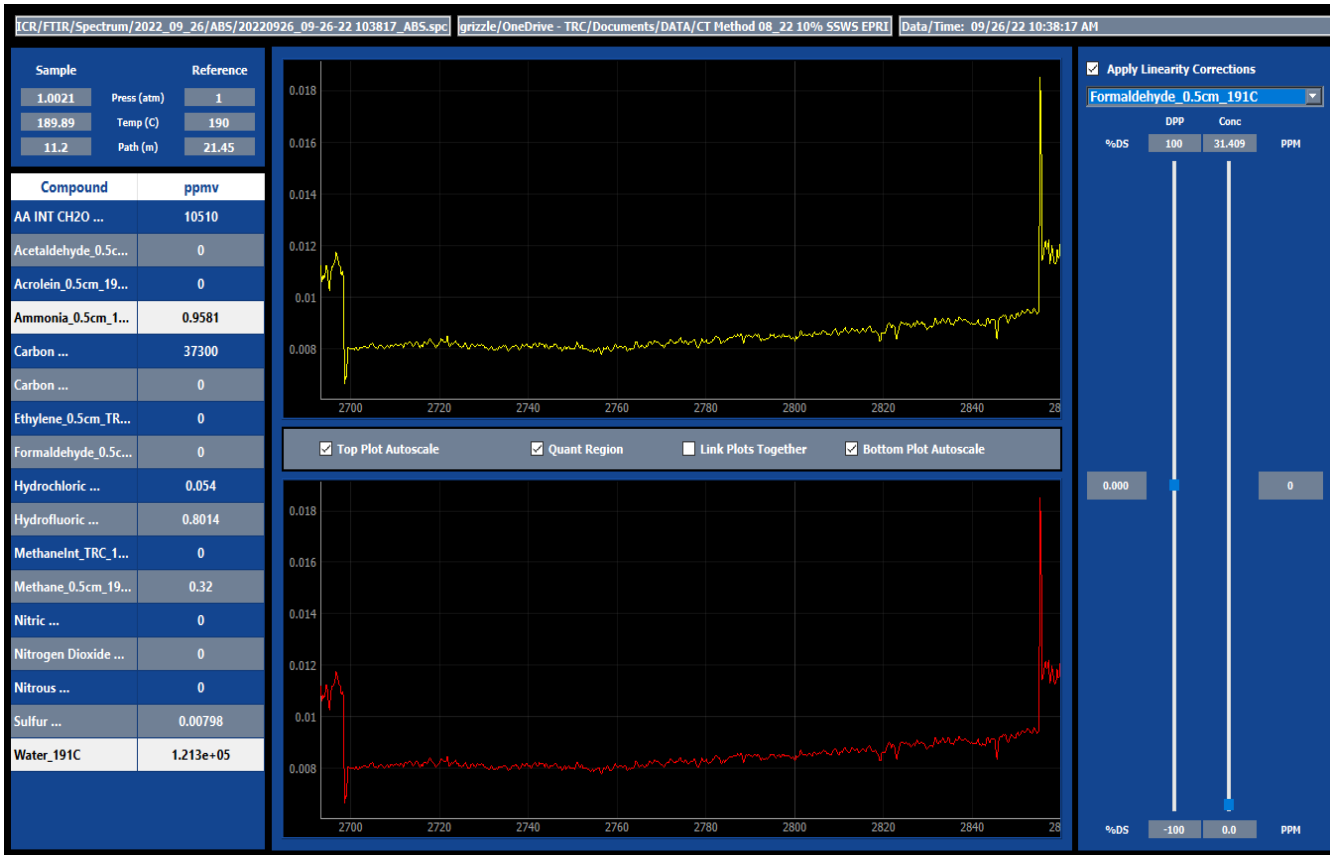
Signal from 200 to 600 cm^{-1}



MCT Detector Saturation Check	
Date Conducted	9/26/2022
Maximum Signal 200-500 cm^{-1}	0.024
Maximum Single Beam Signal	123
Allowable Signal 200-600 cm^{-1} (1% of Max)	1.23
Pass/Fail	**PASS**
1% of Max Single Beam Signal Acceptance Criteria	

Manual Validation of Spectra

Project Number: 491281
Client Name: Georgia Power
Facility: Plant McIntosh
Date: 9/26/2022
Technician: JSG, WM



Manual Validation	File Name	20220926-09-26-22 103817		
Target Analyte(s)	**Automated Result**	**Manual Result**	**% Difference**	
H2O	113786.00	121300	6.19	
CH2O	-0.040	0	NA	
HCl	0.046	0.054	15.32	
HF	0.787	0.8014	1.74	

CTS Calibration Checks

Test Information

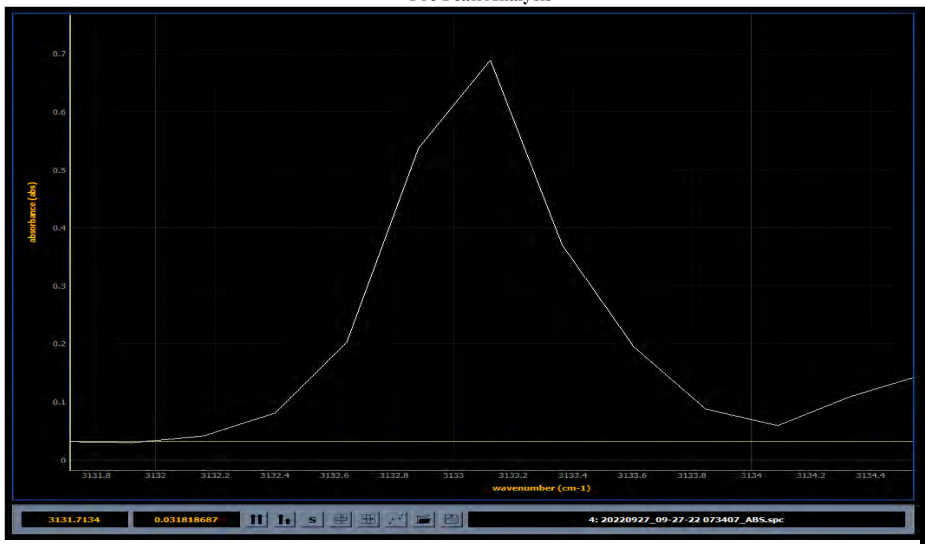
Project Number	491281		Date	9/27/2022
Client	Georgia Power		Facility	Plant McIntosh
Unit Identification	Unit 2		Test Condition/Load	Fuel Oil
Sampling Location	Exhaust		FTIR Operator	JSG, WM
Equipment Information				
FTIR Analyzer	Spectrum WaveRunner		Test Method	EPA Method 320
CTS Gas Used	Ethylene			
CTS Gas Cylinder ID	CC712186			
CTS Gas Conc. (ppm)	98.72			

Reference Method Calibration Measurements

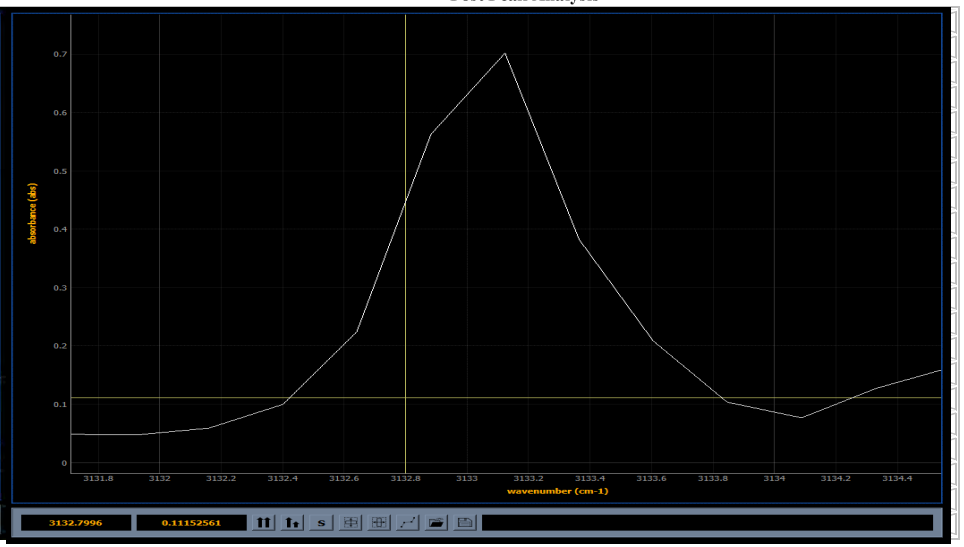
	Cal Gas Test	Measured Concentration	% Error	% Difference (Pre/Post)
CTS	Pre-Test Direct	97.968	-0.8%	
	Post-Test Direct	97.618	-1.1%	**0.4%**
	Pre-Test System	98.183	-0.5%	
	Post-Test System	97.101	-1.6%	**1.1%**
Zero	Pre-Test Direct	0.003	NA	
	Post-Test Direct	-0.013	NA	NA
	Pre-Test System	0.068	NA	
	Post-Test System	-0.081	NA	NA

Company: Georgia Power
Facility: Plant McIntosh
Technicians: J. Grizzle/W. McKibben
Project Number: 491281

Pre Peak Analysis



Post Peak Analysis

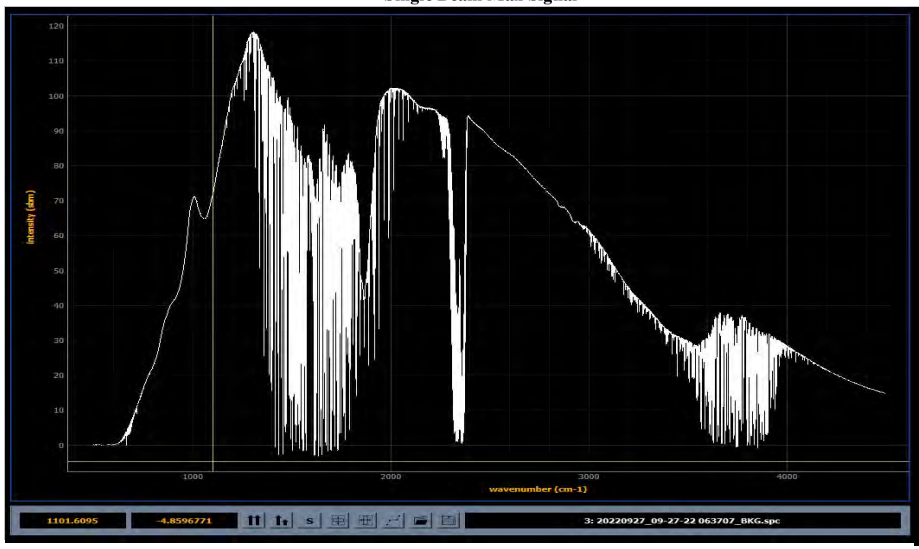


Pre Peak AU	0.661	
Post Peak AU	0.6540	
FWHH Pre Peak Analysis	0.6232	cm^{-1}
FWHH Post Peak Analysis	0.629	cm^{-1}
Requirement by ASTM D6348		
FTIR Resolution Drift (%)	0.92	< 15% Drift

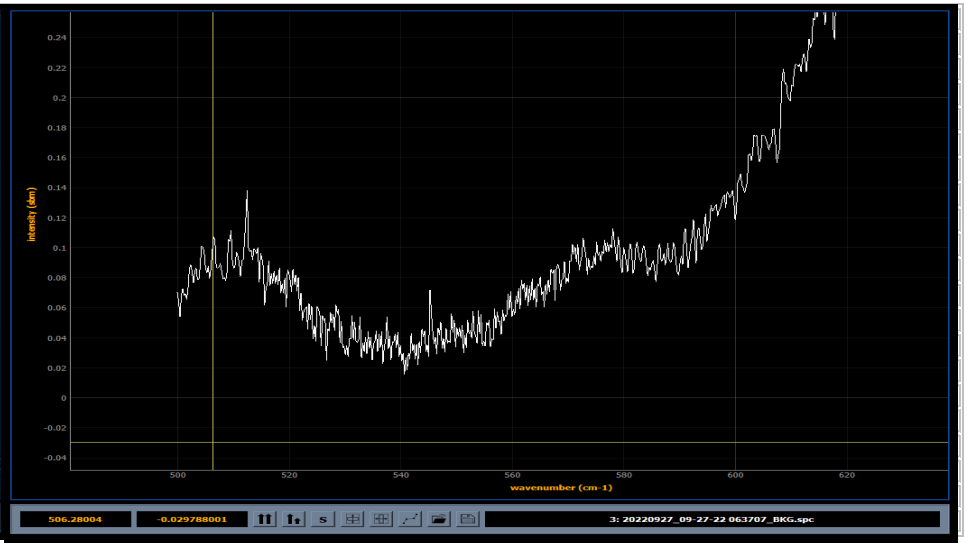
Resolution Setting for Analysis	1	cm^{-1} Single Sided
Line Position Pre Peak Analysis	3133.1258	cm^{-1}
Line Position Post Peak Analysis	3133.1260	cm^{-1}
Requirement by ASTM D6348		
Line Position shift	-0.0002	± 0.1500

Company: Georgia Power
Facility: Plant McIntosh
Technicians: J. Grizzle/W. McKibben
Project Number: 491281

Single Beam Max Signal



Signal from 200 to 600 cm^{-1}



MCT Detector Saturation Check	
Date Conducted	9/27/2022
Maximum Signal 200-500 cm^{-1}	0.036
Maximum Single Beam Signal	118
Allowable Signal 200-600 cm^{-1} (1% of Max)	1.18
Pass/Fail	**PASS**
1% of Max Single Beam Signal Acceptance Criteria	

Matrix Spiking

Test Information			
Project Number	491281	Date	9/20/2022
Client	Georgia Power	Facility	McIntosh Plant
Unit Identification	Unit 1 -FO	Test Condition/Load	Max
Sampling Location	Exhaust	FTIR Operator	J. Grizzle/W. McKibben

Spike Gas:	Formaldehyde	0.885	Measured Concentration (Direct Cal)	
Tracer Gas:	SF6	4.986	Measured Concentration (Direct Cal)	
	Spike Off	**Tracer Off**	Tracer Diff	
Point 1	0.007	0.017	0.314	
Point 2	0.009	0.013	0.319	Enter Spike Flow Rate (lpm)
Point 3	0.001	0.013	0.319	0.48
Point 4	0.006	0.013	0.322	
Point 5	0.010	0.014	0.318	
Point 6	0.005	0.013	0.323	
Point 7	0.008	0.013	0.324	
Point 8	0.010	0.014	0.323	
Point 9	0.008	0.016	0.324	
Point 10	0.004	0.015	0.331	
Point 11	0.009	0.013	0.333	
Point 12	0.002	0.016	0.317	
	Spike On	**Tracer On**	Spike Diff	
Point 1	0.062	0.331	0.055	
Point 2	0.068	0.332	0.060	
Point 3	0.069	0.331	0.068	
Point 4	0.068	0.335	0.062	
Point 5	0.068	0.332	0.058	
Point 6	0.069	0.336	0.064	
Point 7	0.065	0.337	0.058	
Point 8	0.069	0.337	0.059	
Point 9	0.065	0.340	0.056	
Point 10	0.074	0.346	0.071	
Point 11	0.067	0.346	0.058	
Point 12	0.068	0.333	0.066	
Expected Spike Concentration	0.0632			
Avg Spike Off	0.0065	0.014		
Diluted Spike Off	0.0061		Corrected for Dilution by Spike	
Avg Spike On	0.0677	0.336		
Dilution Factor		0.0646	**15.5** **Dilution Ratio**	
Measured Spike	0.0616	0.322		Limit
Bias (Eq. 301-4)	0.004			
Relative Bias (Eq. 301-7)	7.0%		±10% All Sources, ±30% Correction Factor	
Correction Factor (Eq. 301-8)	0.93		Source Specific Bias Correction Factor	
Spike Recovery	**107.8%**		**PASS**	70-130%

Criteria	Acceptable Limit	Measured Value	Pass/Fail
Dilution Ratio	>10	15.48	**PASS**
Spike Recovery	70-130%	107.0%	**PASS**

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Matrix Spiking

Test Information			
Project Number	491281	Date	9/27/2022
Client	Georgia Power	Facility	McIntosh Plant
Unit Identification	Unit 2 -FO	Test Condition/Load	Max
Sampling Location	Exhaust	FTIR Operator	J. Grizzle/W. McKibben

Spike Gas:	Hydrogen Chloride	20.109	Measured Concentration (Direct Cal)	
Tracer Gas:	SF6	4.835	Measured Concentration (Direct Cal)	
	Spike Off	**Tracer Off**	Tracer Diff	
Point 1	-0.005	0.015	0.236	
Point 2	-0.013	0.015	0.230	Enter Spike Flow Rate (lpm)
Point 3	-0.009	0.017	0.211	0.35
Point 4	-0.021	0.016	0.236	
Point 5	-0.012	0.016	0.228	
Point 6	-0.020	0.016	0.222	
Point 7	-0.021	0.016	0.237	
Point 8	-0.026	0.016	0.225	
Point 9	-0.034	0.015	0.228	
Point 10	-0.024	0.015	0.232	
Point 11	-0.024	0.016	0.214	
Point 12	-0.028	0.017	0.228	
	Spike On	**Tracer On**	Spike Diff	
Point 1	0.863	0.251	0.868	
Point 2	0.905	0.245	0.918	
Point 3	0.873	0.228	0.882	
Point 4	0.873	0.252	0.894	
Point 5	0.874	0.244	0.886	
Point 6	1.010	0.238	1.030	
Point 7	0.807	0.253	0.828	
Point 8	0.874	0.241	0.900	
Point 9	0.781	0.243	0.815	
Point 10	0.843	0.247	0.867	
Point 11	0.826	0.230	0.850	
Point 12	0.742	0.245	0.770	
Expected Spike Concentration	0.9263			
Avg Spike Off	-0.0198	0.016		
Diluted Spike Off	-0.0188		Corrected for Dilution by Spike	
Avg Spike On	0.8559	0.243		
Dilution Factor		0.0470	**21.3** **Dilution Ratio**	
Measured Spike	0.875	0.227		Limit
Bias (Eq. 301-4)	0.070			
Relative Bias (Eq. 301-7)	7.6%		±10% All Sources, ±30% Correction Factor	
Correction Factor (Eq. 301-8)	0.93		Source Specific Bias Correction Factor	
Spike Recovery	**92.6%**		**PASS**	70-130%

Criteria	Acceptable Limit	Measured Value	Pass/Fail
Dilution Ratio	>10	21.28	**PASS**
Spike Recovery	70-130%	92.4%	**PASS**

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Matrix Spiking

Test Information			
Project Number	491281	Date	9/27/2022
Client	Georgia Power	Facility	McIntosh Plant
Unit Identification	Unit 2 -FO	Test Condition/Load	Max
Sampling Location	Exhaust	FTIR Operator	J. Grizzle/W. McKibben

Spike Gas:	Hyrogen Flouride	23.258	Measured Concentration (Direct Cal)	
Tracer Gas:	SF6	5.090	Measured Concentration (Direct Cal)	
	Spike Off	**Tracer Off**	Tracer Diff	
Point 1	0.921	0.016	0.221	
Point 2	0.927	0.014	0.220	Enter Spike Flow Rate (lpm)
Point 3	0.876	0.014	0.229	0.35
Point 4	0.861	0.017	0.233	
Point 5	0.871	0.017	0.218	
Point 6	0.857	0.016	0.213	
Point 7	0.862	0.016	0.224	
Point 8	0.876	0.017	0.216	
Point 9	0.844	0.016	0.210	
Point 10	0.836	0.013	0.224	
Point 11	0.846	0.014	0.216	
Point 12	0.872	0.016	0.221	
	Spike On	**Tracer On**	Spike Diff	
Point 1	1.809	0.237	0.888	
Point 2	1.788	0.234	0.861	
Point 3	1.629	0.243	0.753	
Point 4	1.701	0.250	0.840	
Point 5	1.673	0.235	0.802	
Point 6	1.795	0.229	0.938	
Point 7	1.664	0.240	0.802	
Point 8	1.768	0.233	0.892	
Point 9	1.695	0.226	0.851	
Point 10	1.602	0.237	0.766	
Point 11	1.740	0.230	0.894	
Point 12	1.607	0.237	0.735	
Expected Spike Concentration	1.8402			
Avg Spike Off	0.8708	0.016		
Diluted Spike Off	0.8330		Corrected for Dilution by Spike	
Avg Spike On	1.7059	0.236		
Dilution Factor		0.0433	**23.1** **Dilution Ratio**	
Measured Spike	0.873	0.220		Limit
Bias (Eq. 301-4)	0.134			
Relative Bias (Eq. 301-7)	7.3%		±10% All Sources, ±30% Correction Factor	
Correction Factor (Eq. 301-8)	0.93		Source Specific Bias Correction Factor	
Spike Recovery	**86.7%**		**PASS**	70-130%

Criteria	Acceptable Limit	Measured Value	Pass/Fail
Dilution Ratio	>10	23.09	**PASS**
Spike Recovery	70-130%	92.7%	**PASS**

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Matrix Spiking

Test Information			
Project Number	491281	Date	9/22/2022
Client	Georgia Power	Facility	McIntosh Plant
Unit Identification	Unit 2- NG	Test Condition/Load	Max
Sampling Location	Exhaust	FTIR Operator	J. Grizzle/W. McKibben

Spike Gas:	Hydrogen Chloride	20.109	Measured Concentration (Direct Cal)	
Tracer Gas:	SF6	4.835	Measured Concentration (Direct Cal)	
	Spike Off	**Tracer Off**	Tracer Diff	
Point 1	-0.016	0.011	0.213	
Point 2	0.010	0.010	0.218	Enter Spike Flow Rate (lpm)
Point 3	-0.029	0.015	0.221	0.35
Point 4	0.004	0.010	0.227	
Point 5	-0.009	0.012	0.223	
Point 6	0.006	0.012	0.228	
Point 7	-0.014	0.013	0.217	
Point 8	-0.015	0.013	0.217	
Point 9	-0.012	0.013	0.219	
Point 10	-0.030	0.015	0.216	
Point 11	-0.001	0.015	0.207	
Point 12	0.003	0.015	0.211	
	Spike On	**Tracer On**	Spike Diff	
Point 1	0.831	0.224	0.847	
Point 2	0.814	0.228	0.804	
Point 3	0.896	0.236	0.925	
Point 4	0.809	0.237	0.805	
Point 5	0.862	0.235	0.871	
Point 6	0.734	0.240	0.728	
Point 7	0.871	0.230	0.885	
Point 8	0.802	0.230	0.817	
Point 9	0.863	0.232	0.875	
Point 10	0.876	0.231	0.906	
Point 11	0.999	0.222	1.000	
Point 12	1.139	0.226	1.136	
Expected Spike Concentration	0.899			
Avg Spike Off	-0.009	0.013		
Diluted Spike Off	-0.008		Corrected for Dilution by Spike	
Avg Spike On	0.875	0.231		
Dilution Factor		0.0451	**22.2** **Dilution Ratio**	
Measured Spike	0.883	0.218		Limit
Bias (Eq. 301-4)	0.024			
Relative Bias (Eq. 301-7)	2.7%		±10% All Sources, ±30% Correction Factor	
Correction Factor (Eq. 301-8)	0.97		Source Specific Bias Correction Factor	
Spike Recovery	**97.3%**		**PASS**	70-130%

Criteria	Acceptable Limit	Measured Value	Pass/Fail
Dilution Ratio	>10	22.17	**PASS**
Spike Recovery	70-130%	97.3%	**PASS**

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Matrix Spiking

Test Information			
Project Number	491281	Date	9/22/2022
Client	Georgia Power	Facility	McIntosh Plant
Unit Identification	Unit 2- NG	Test Condition/Load	Max
Sampling Location	Exhaust	FTIR Operator	J. Grizzle/W. McKibben

Spike Gas:	Formaldhyde	0.885	Measured Concentration (Direct Cal)	
Tracer Gas:	SF6	4.986	Measured Concentration (Direct Cal)	
	Spike Off	**Tracer Off**	Tracer Diff	
Point 1	0.016	0.013	0.317	
Point 2	-0.002	0.009	0.322	Enter Spike Flow Rate (lpm)
Point 3	0.006	0.010	0.321	0.35
Point 4	0.001	0.012	0.321	
Point 5	0.008	0.012	0.320	
Point 6	0.006	0.009	0.323	
Point 7	0.009	0.010	0.323	
Point 8	0.003	0.013	0.320	
Point 9	0.010	0.010	0.323	
Point 10	0.010	0.013	0.317	
Point 11	0.010	0.013	0.317	
Point 12	-0.007	0.012	0.316	
	Spike On	**Tracer On**	Spike Diff	
Point 1	0.063	0.330	0.048	
Point 2	0.069	0.331	0.071	
Point 3	0.063	0.331	0.057	
Point 4	0.060	0.333	0.059	
Point 5	0.067	0.332	0.059	
Point 6	0.066	0.332	0.060	
Point 7	0.062	0.333	0.054	
Point 8	0.063	0.333	0.060	
Point 9	0.061	0.333	0.051	
Point 10	0.065	0.330	0.055	
Point 11	0.064	0.330	0.054	
Point 12	0.061	0.328	0.067	
Expected Spike Concentration	0.0622			
Avg Spike Off	0.0058	0.011		
Diluted Spike Off	0.0054		Corrected for Dilution by Spike	
Avg Spike On	0.0636	0.331		
Dilution Factor		0.0642	**15.6** **Dilution Ratio**	
Measured Spike	0.0582	0.320		Limit
Bias (Eq. 301-4)	0.001			
Relative Bias (Eq. 301-7)	2.3%		±10% All Sources, ±30% Correction Factor	
Correction Factor (Eq. 301-8)	0.98		Source Specific Bias Correction Factor	
Spike Recovery	**102.5%**		**PASS**	70-130%

Criteria	Acceptable Limit	Measured Value	Pass/Fail
Dilution Ratio	>10	15.58	**PASS**
Spike Recovery	70-130%	102.3%	**PASS**

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Matrix Spiking

Test Information			
Project Number	499970	Date	10/18/2022
Client	Georgia Power	Facility	McDonough Plant
Unit Identification	Unit 4B	Test Condition/Load	Max
Sampling Location	Exhaust	FTIR Operator	J. Grizzle/W. McKibben

Spike Gas:	Hyrogen Flouride	21.559	Measured Concentration (Direct Cal)	
Tracer Gas:	SF6	5.034	Measured Concentration (Direct Cal)	
	Spike Off	**Tracer Off**	Tracer Diff	
Point 1	0.556	0.009	0.196	
Point 2	0.622	0.010	0.173	Enter Spike Flow Rate (lpm)
Point 3	0.614	0.012	0.213	0.2
Point 4	0.702	0.014	0.194	
Point 5	0.691	0.016	0.195	
Point 6	0.617	0.014	0.195	
Point 7	0.635	0.012	0.198	
Point 8	0.632	0.014	0.172	
Point 9	0.601	0.013	0.229	
Point 10	0.622	0.014	0.207	
Point 11	0.576	0.016	0.169	
Point 12	0.685	0.015	0.180	
	Spike On	**Tracer On**	Spike Diff	
Point 1	1.337	0.205	0.781	
Point 2	1.260	0.183	0.638	
Point 3	1.302	0.225	0.688	
Point 4	1.272	0.208	0.570	
Point 5	1.250	0.211	0.559	
Point 6	1.334	0.209	0.717	
Point 7	1.348	0.210	0.713	
Point 8	1.597	0.187	0.965	
Point 9	1.460	0.242	0.859	
Point 10	1.314	0.221	0.692	
Point 11	1.369	0.184	0.793	
Point 12	1.483	0.194	0.798	
Expected Spike Concentration	1.4331			
Avg Spike Off	0.6294	0.013		
Diluted Spike Off	0.6052		Corrected for Dilution by Spike	
Avg Spike On	1.3605	0.206		
Dilution Factor		0.0384	**26.0 Dilution Ratio**	
Measured Spike	0.755	0.193		Limit
Bias (Eq. 301-4)	0.073			
Relative Bias (Eq. 301-7)	5.1%		±10% All Sources, ±30% Correction Factor	
Correction Factor (Eq. 301-8)	0.95		Source Specific Bias Correction Factor	
Spike Recovery	**91.2%**		**PASS**	70-130%

Criteria	Acceptable Limit	Measured Value	Pass/Fail
Dilution Ratio	>10	26.04	**PASS**
Spike Recovery	70-130%	94.9%	**PASS**

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Gaseous QA and Logged Data

GP 2022 September 12
Initial Calibration Error Test

Date/Time:	9/13/2022	10:13:15
Result:	PASS	

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Reference Cylinder IDs

	Zero ID:	Mid ID:	High ID:
O2	ALM-050814	EB0084144	CC719835
CO2	ALM-050814	EB0084144	CC719835

Calibration Error Results

Channel:	O2	CO2
Units:	%	%
Span:	22	21.7
Range:	25	25
Method:	EPA 7E	EPA 7E
Zero Ref:	0.000	0.000
Zero Cal:	-0.056	-0.017
Zero Error:	-0.3%	-0.1%
Mid Ref:	10.000	9.830
Mid Cal:	9.978	10.123
Mid Error:	-0.1%	1.4%
High Ref:	22.000	21.700
High Cal:	21.976	21.443
High Error:	-0.1%	-1.2%
Cal Result:	PASSED	PASSED

GP 2022 Septemb
Initial Calibration

Date/Time:	9/14/2022	6:41:48
Result:	PASS	

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Reference Cylinder IDs

	Zero ID:	Mid ID:	High ID:
O2	ALM-050814	EB0084144	CC719835
CO2	ALM-050814	EB0084144	CC719835

Calibration Error F

Channel:	O2	CO2
Units:	%	%
Span:	22	21.7
Range:	25	25
Method:	EPA 7E	EPA 7E
Zero Ref:	0.000	0.000
Zero Cal:	-0.037	-0.023
Zero Error:	-0.2%	-0.1%
Mid Ref:	10.000	9.830
Mid Cal:	10.039	10.134
Mid Error:	0.2%	1.4%
High Ref:	22.000	21.700
High Cal:	22.071	21.500
High Error:	0.3%	-0.9%
Cal Result:	PASSED	PASSED

GP 2022 Septemb
Calibration Error T
Date/Time: 9/15/2022 6:49:03
Result: PASS

Operator: J. Grizzle
Plant: Plant McIntosh
Location: Rincon, GA
Source ID: Unit 1

Reference Cylinder IDs

	Zero ID:	Mid ID:	High ID:
CO	ALM-050814	CC463842	CC488035
O2	ALM-050814	EB0084144	CC719835
CO2	ALM-050814	EB0084144	CC719835

Calibration Error F

Channel:	CO	O2	CO2
Units:	ppm	%	%
Span:	22.83	22	21.7
Range:	100	25	25
Method:	EPA 7E	EPA 7E	EPA 7E
Zero Ref:	0.000	0.000	0.000
Zero Cal:	-0.082	-0.070	0.036
Zero Error:	-0.4%	-0.3%	0.2%
Mid Ref:	11.600	10.000	9.830
Mid Cal:	11.193	10.051	10.130
Mid Error:	-1.8%	0.2%	1.4%
High Ref:	22.830	22.000	21.700
High Cal:	22.761	22.088	21.443
High Error:	-0.3%	0.4%	-1.2%
Cal Result:	PASSED	PASSED	PASSED

GP 2022 Septemb
Initial Calibration

Date/Time:	9/16/2022	7:35:51
Result:	PASS	

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Reference Cylinder IDs

	Zero ID:	Mid ID:	High ID:
O2	ALM-050814	EB0084144	CC719835
CO2	ALM-050814	EB0084144	CC719835

Calibration Error F

Channel:	O2	CO2
Units:	%	%
Span:	22	21.7
Range:	25	25
Method:	EPA 7E	EPA 7E
Zero Ref:	0.000	0.000
Zero Cal:	0.020	0.040
Zero Error:	0.1%	0.2%
Mid Ref:	10.000	9.830
Mid Cal:	10.106	10.036
Mid Error:	0.5%	1.0%
High Ref:	22.000	21.700
High Cal:	22.077	21.526
High Error:	0.3%	-0.8%
Cal Result:	PASSED	PASSED

GP 2022 Septemb
Initial Calibration

Date/Time:	9/17/2022	6:51:12
Result:	PASS	

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Reference Cylinder IDs

	Zero ID:	Mid ID:	High ID:
CO	ALM-050814	CC463842	CC488035
O2	ALM-050814	EB0084144	CC719835
CO2	ALM-050814	EB0084144	CC719835

Calibration Error F

Channel:	CO	O2	CO2
Units:	ppm	%	%
Span:	22.83	22	21.7
Range:	100	25	25
Method:	EPA 7E	EPA 7E	EPA 7E
Zero Ref:	0.000	0.000	0.000
Zero Cal:	-0.189	0.035	0.056
Zero Error:	-0.8%	0.2%	0.3%
Mid Ref:	11.600	10.000	9.830
Mid Cal:	11.151	10.141	10.181
Mid Error:	-2.0%	0.6%	1.6%
High Ref:	22.830	22.000	21.700
High Cal:	22.944	22.079	21.389
High Error:	0.5%	0.4%	-1.4%
Cal Result:	PASSED	PASSED	PASSED

GP 2022 Septemb
Initial Calibration

Date/Time:	9/19/2022	7:08:57
Result:	PASS	

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Reference Cylinder IDs

	Zero ID:	Mid ID:	High ID:
O2	ALM-050814	EB0084144	CC719835
CO2	ALM-050814	EB0084144	CC719835

Calibration Error F

Channel:	O2	CO2
Units:	%	%
Span:	22	21.7
Range:	25	25
Method:	EPA 7E	EPA 7E
Zero Ref:	0.000	0.000
Zero Cal:	0.060	0.080
Zero Error:	0.3%	0.4%
Mid Ref:	10.000	9.830
Mid Cal:	10.059	10.122
Mid Error:	0.3%	1.3%
High Ref:	22.000	21.700
High Cal:	22.022	21.349
High Error:	0.1%	-1.6%
Cal Result:	PASSED	PASSED

GP 2022 Septemb
Initial Calibration

Date/Time:	9/20/2022	7:21:59
Result:	PASS	

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Reference Cylinder IDs

	Zero ID:	Mid ID:	High ID:
O2	ALM-050814	EB0084144	CC719835
CO2	ALM-050814	EB0084144	CC719835

Calibration Error F

Channel:	O2	CO2
Units:	%	%
Span:	22	21.7
Range:	25	25
Method:	EPA 7E	EPA 7E
Zero Ref:	0.000	0.000
Zero Cal:	0.041	0.104
Zero Error:	0.2%	0.5%
Mid Ref:	10.000	9.830
Mid Cal:	10.211	10.198
Mid Error:	1.0%	1.7%
High Ref:	22.000	21.700
High Cal:	22.179	21.427
High Error:	0.8%	-1.3%
Cal Result:	PASSED	PASSED

GP 2022 Septemb
Initial Calibration

Date/Time:	9/21/2022	7:28:47
Result:	PASS	

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 2

Reference Cylinder IDs

	Zero ID:	Mid ID:	High ID:
CO	ALM-050814	CC463842	CC488035
O2	ALM-050814	EB0084144	CC719835
CO2	ALM-050814	EB0084144	CC719835

Calibration Error F

Channel:	CO	O2	CO2
Units:	ppm	%	%
Span:	22.83	22	21.7
Range:	100	25	25
Method:	EPA 7E	EPA 7E	EPA 7E
Zero Ref:	0.000	0.000	0.000
Zero Cal:	-0.135	0.021	0.120
Zero Error:	-0.6%	0.1%	0.6%
Mid Ref:	11.600	10.000	9.830
Mid Cal:	11.295	10.000	10.167
Mid Error:	-1.3%	0.0%	1.6%
High Ref:	22.830	22.000	21.700
High Cal:	23.252	22.095	21.406
High Error:	1.8%	0.4%	-1.4%
Cal Result:	PASSED	PASSED	PASSED

GP 2022 Septemb
Initial Calibration

Date/Time:	9/22/2022	6:51:33
Result:	PASS	

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 2

Reference Cylinder IDs

	Zero ID:	Mid ID:	High ID:
O2	ALM-050814	EB0084144	CC719835
CO2	ALM-050814	EB0084144	CC719835

Calibration Error F

Channel:	O2	CO2
Units:	%	%
Span:	22	21.7
Range:	25	25
Method:	EPA 7E	EPA 7E
Zero Ref:	0.000	0.000
Zero Cal:	0.035	0.151
Zero Error:	0.2%	0.7%
Mid Ref:	10.000	9.830
Mid Cal:	10.190	10.234
Mid Error:	0.9%	1.9%
High Ref:	22.000	21.700
High Cal:	21.944	21.435
High Error:	-0.3%	-1.2%
Cal Result:	PASSED	PASSED

GP 2022 Septemb
Initial Calibration

Date/Time:	9/26/2022	7:11:42
Result:	PASS	

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 2

Reference Cylinder IDs

	Zero ID:	Mid ID:	High ID:
CO	ALM-050814	CC463842	CC488035
O2	ALM-050814	EB0084144	CC719835
CO2	ALM-050814	EB0084144	CC719835

Calibration Error F

Channel:	CO	O2	CO2
Units:	ppm	%	%
Span:	22.83	22	21.7
Range:	100	25	25
Method:	EPA 7E	EPA 7E	EPA 7E
Zero Ref:	0.000	0.000	0.000
Zero Cal:	-0.043	0.036	0.145
Zero Error:	-0.2%	0.2%	0.7%
Mid Ref:	11.600	10.000	9.830
Mid Cal:	11.304	10.098	10.206
Mid Error:	-1.3%	0.4%	1.7%
High Ref:	22.830	22.000	21.700
High Cal:	23.073	21.939	21.464
High Error:	1.1%	-0.3%	-1.1%
Cal Result:	PASSED	PASSED	PASSED

GP 2022 Septemb
Initial Calibration

Date/Time:	9/27/2022	6:11:22
Result:	PASS	

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 2

Reference Cylinder IDs

	Zero ID:	Mid ID:	High ID:
O2	ALM-050814	EB0084144	CC719835
CO2	ALM-050814	EB0084144	CC719835

Calibration Error F

Channel:	O2	CO2
Units:	%	%
Span:	22	21.7
Range:	25	25
Method:	EPA 7E	EPA 7E
Zero Ref:	0.000	0.000
Zero Cal:	0.048	0.124
Zero Error:	0.2%	0.6%
Mid Ref:	10.000	9.830
Mid Cal:	10.238	10.142
Mid Error:	1.1%	1.4%
High Ref:	22.000	21.700
High Cal:	21.964	21.347
High Error:	-0.2%	-1.6%
Cal Result:	PASSED	PASSED

GP 2022 September 14
Initial System Bias Check

Date/Time:	9/14/2022	7:06:01
Result:	PASS	

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Reference Cylinder IDs

	Low ID	Upscale ID	Span ID
O2	ALM-050814	EB0084144	CC719835
CO2	ALM-050814	EB0084144	CC719835

System Bias Check Results

Analyte:	O2	CO2
Units:	%	%
Span:	22	21.7
Range:	25	25
Method:	EPA 7E	EPA 7E
Low Cal:	-0.037	-0.023
Low Sys:	0.008	0.011
Low Bias:	0.002	0.002
Upscale Cal:	10.039	10.134
Upscale Sys:	10.194	10.092
Upscale Bias	0.007	-0.002
Bias Result:	PASSED	PASSED

GP 2022 September 14 Run 1
Run 1 Final Bias & Drift Check
Date/Time: 9/14/2022 11:57:59
Result: PASS

Operator: J. Grizzle
Plant: Plant McIntosh
Location: Rincon, GA
Source ID: Unit 1

Reference Cylinder IDs

	Low ID	Upscale ID	Span ID
O2	ALM-050814	EB0084144	CC719835
CO2	ALM-050814	EB0084144	CC719835

System Bias Check Results

Analyte:	O2	CO2
Units:	%	%
Span:	22	21.7
Range:	25	25
Method:	EPA 7E	EPA 7E
Low Cal:	-0.037	-0.023
Low Sys:	0.019	0.005
Low Bias:	0.3%	0.1%
Upscale Cal:	10.039	10.134
Upscale Sys:	10.158	10.085
Upscale Bias	0.5%	-0.2%
Bias Result:	PASSED	PASSED

System Bias Drift Results

Low Drift:	0.0%	0.0%
Mid Drift:	-0.2%	0.0%
Drift Result:	PASSED	PASSED
Cal Result:	OK	OK

Test Run 1 Bias Correction Calculations:

	O2	CO2
Low init:	0.008	0.011
Low final:	0.019	0.005
Mid Init:	10.194	10.092
Mid Final:	10.158	10.085
Run Avg:	15.004	3.568
Co:	0.014	0.008
Cm:	10.176	10.088
Coa:	0.000	0.000
Cma:	10.000	9.830
Corrected:	14.751	3.472

GP 2022 September 14 Run 2
Run 2 Final Bias & Drift Check

Date/Time:	9/14/2022	17:09:47
Result:	PASS	

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Reference Cylinder IDs

	Low ID	Upscale ID	Span ID
O2	ALM-050814	EB0084144	CC719835
CO2	ALM-050814	EB0084144	CC719835

System Bias Check Results

Analyte:	O2	CO2
Units:	%	%
Span:	22	21.7
Range:	25	25
Method:	EPA 7E	EPA 7E
Low Cal:	-0.037	-0.023
Low Sys:	-0.014	0.001
Low Bias:	0.1%	0.1%
Upscale Cal:	10.039	10.134
Upscale Sys:	10.130	10.053
Upscale Bias	0.4%	-0.4%
Bias Result:	PASSED	PASSED

System Bias Drift Results

Low Drift:	-0.1%	0.0%
Mid Drift:	-0.1%	-0.1%
Drift Result:	PASSED	PASSED
Cal Result:	OK	OK

Test Run 2 Bias Correction Calculations:

	O2	CO2
Low init:	0.019	0.005
Low final:	-0.014	0.001
Mid Init:	10.158	10.085
Mid Final:	10.130	10.053
Run Avg:	14.832	3.650
Co:	0.003	0.003
Cm:	10.144	10.069
Coa:	0.000	0.000
Cma:	10.000	9.830
Corrected:	14.623	3.562

GP 2022 September 14
Run 3 Preliminary Bias & Drift Check

Date/Time:	9/15/2022	7:12:31
Result:	PASS	

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Reference Cylinder IDs

	Low ID	Upscale ID	Span ID
CO	ALM-050814	CC463842	CC488035
O2	ALM-050814	EB0084144	CC719835
CO2	ALM-050814	EB0084144	CC719835

System Bias Check Results

Analyte:	CO	O2	CO2
Units:	ppm	%	%
Span:	22.83	22	21.7
Range:	100	25	25
Method:	EPA 7E	EPA 7E	EPA 7E
Low Cal:	-0.082	-0.070	0.036
Low Sys:	-0.025	-0.042	0.035
Low Bias:	0.2%	0.1%	0.0%
Upscale Cal:	11.193	10.051	10.130
Upscale Sys:	11.126	10.151	10.083
Upscale Bias	-0.3%	0.5%	-0.2%
Bias Result:	PASSED	PASSED	PASSED

GP 2022 September 14 Run 3
Run 3 Final Bias & Drift Check
Date/Time: 9/15/2022 9:15:27
Result: PASS

Operator: J. Grizzle
Plant: Plant McIntosh
Location: Rincon, GA
Source ID: Unit 1

Reference Cylinder IDs

	Low ID	Upscale ID	Span ID
CO	ALM-050814	CC463842	CC488035
O2	ALM-050814	EB0084144	CC719835
CO2	ALM-050814	EB0084144	CC719835

System Bias Check Results

Analyte:	CO	O2	CO2
Units:	ppm	%	%
Span:	22.83	22	21.7
Range:	100	25	25
Method:	EPA 7E	EPA 7E	EPA 7E
Low Cal:	-0.082	-0.070	0.036
Low Sys:	0.018	-0.030	0.015
Low Bias:	0.4%	0.2%	-0.1%
Upscale Cal:	11.193	10.051	10.130
Upscale Sys:	11.135	10.175	10.044
Upscale Bias	-0.3%	0.6%	-0.4%
Bias Result:	PASSED	PASSED	PASSED

System Bias Drift Results

Low Drift:	0.2%	0.1%	-0.1%
Mid Drift:	0.0%	0.1%	-0.2%
Drift Result:	PASSED	PASSED	PASSED
Cal Result:	OK	OK	OK

Test Run 3 Bias Correction Calculations:

	CO	O2	CO2
Low init:	-0.025	-0.042	0.035
Low final:	0.018	-0.030	0.015
Mid Init:	11.126	10.151	10.083
Mid Final:	11.135	10.175	10.044
Run Avg:	-0.040	15.151	3.507
Co:	-0.003	-0.036	0.025
Cm:	11.130	10.163	10.064
Coa:	0.000	0.000	0.000
Cma:	11.600	10.000	9.830
Corrected:	-0.038	14.891	3.410

GP 2022 September 14 Run 4
Run 4 Final Bias & Drift Check
Date/Time: 9/15/2022 10:25:59
Result: PASS

Operator: J. Grizzle
Plant: Plant McIntosh
Location: Rincon, GA
Source ID: Unit 1

Reference Cylinder IDs

	Low ID	Upscale ID	Span ID
CO	ALM-050814	CC463842	CC488035
O2	ALM-050814	EB0084144	CC719835
CO2	ALM-050814	EB0084144	CC719835

System Bias Check Results

Analyte:	CO	O2	CO2
Units:	ppm	%	%
Span:	22.83	22	21.7
Range:	100	25	25
Method:	EPA 7E	EPA 7E	EPA 7E
Low Cal:	-0.082	-0.070	0.036
Low Sys:	-0.049	-0.018	0.032
Low Bias:	0.1%	0.2%	0.0%
Upscale Cal:	11.193	10.051	10.130
Upscale Sys:	11.059	10.181	10.096
Upscale Bias	-0.6%	0.6%	-0.2%
Bias Result:	PASSED	PASSED	PASSED

System Bias Drift Results

Low Drift:	-0.3%	0.1%	0.1%
Mid Drift:	-0.3%	0.0%	0.2%
Drift Result:	PASSED	PASSED	PASSED
Cal Result:	OK	OK	OK

Test Run 4 Bias Correction Calculations:

	CO	O2	CO2
Low init:	0.018	-0.030	0.015
Low final:	-0.049	-0.018	0.032
Mid Init:	11.135	10.175	10.044
Mid Final:	11.059	10.181	10.096
Run Avg:	-0.072	15.069	3.557
Co:	-0.015	-0.024	0.024
Cm:	11.097	10.178	10.070
Coa:	0.000	0.000	0.000
Cma:	11.600	10.000	9.830
Corrected:	-0.059	14.794	3.457

GP 2022 September 14 Run 5
Run 5 Final Bias & Drift Check
Date/Time: 9/15/2022 11:37:20
Result: PASS

Operator: J. Grizzle
Plant: Plant McIntosh
Location: Rincon, GA
Source ID: Unit 1

Reference Cylinder IDs

	Low ID	Upscale ID	Span ID
CO	ALM-050814	CC463842	CC488035
O2	ALM-050814	EB0084144	CC719835
CO2	ALM-050814	EB0084144	CC719835

System Bias Check Results

Analyte:	CO	O2	CO2
Units:	ppm	%	%
Span:	22.83	22	21.7
Range:	100	25	25
Method:	EPA 7E	EPA 7E	EPA 7E
Low Cal:	-0.082	-0.070	0.036
Low Sys:	-0.056	-0.015	0.033
Low Bias:	0.1%	0.3%	0.0%
Upscale Cal:	11.193	10.051	10.130
Upscale Sys:	11.031	10.184	10.098
Upscale Bias	-0.7%	0.6%	-0.1%
Bias Result:	PASSED	PASSED	PASSED

System Bias Drift Results

Low Drift:	0.0%	0.0%	0.0%
Mid Drift:	-0.1%	0.0%	0.0%
Drift Result:	PASSED	PASSED	PASSED
Cal Result:	OK	OK	OK

Test Run 5 Bias Correction Calculations:

	CO	O2	CO2
Low init:	-0.049	-0.018	0.032
Low final:	-0.056	-0.015	0.033
Mid Init:	11.059	10.181	10.096
Mid Final:	11.031	10.184	10.098
Run Avg:	-0.034	15.020	3.581
Co:	-0.053	-0.016	0.033
Cm:	11.045	10.182	10.097
Coa:	0.000	0.000	0.000
Cma:	11.600	10.000	9.830
Corrected:	0.019	14.743	3.465

GP 2022 September 14 Run 6
Run 6 Final Bias & Drift Check
Date/Time: 9/15/2022 12:56:28
Result: PASS

Operator: J. Grizzle
Plant: Plant McIntosh
Location: Rincon, GA
Source ID: Unit 1

Reference Cylinder IDs

	Low ID	Upscale ID	Span ID
CO	ALM-050814	CC463842	CC488035
O2	ALM-050814	EB0084144	CC719835
CO2	ALM-050814	EB0084144	CC719835

System Bias Check Results

Analyte:	CO	O2	CO2
Units:	ppm	%	%
Span:	22.83	22	21.7
Range:	100	25	25
Method:	EPA 7E	EPA 7E	EPA 7E
Low Cal:	-0.082	-0.070	0.036
Low Sys:	-0.131	-0.007	0.032
Low Bias:	-0.2%	0.3%	0.0%
Upscale Cal:	11.193	10.051	10.130
Upscale Sys:	11.086	10.179	10.082
Upscale Bias	-0.5%	0.6%	-0.2%
Bias Result:	PASSED	PASSED	PASSED

System Bias Drift Results

Low Drift:	-0.3%	0.0%	0.0%
Mid Drift:	0.2%	0.0%	-0.1%
Drift Result:	PASSED	PASSED	PASSED
Cal Result:	OK	OK	OK

Test Run 6 Bias Correction Calculations:

	CO	O2	CO2
Low init:	-0.056	-0.015	0.033
Low final:	-0.131	-0.007	0.032
Mid Init:	11.031	10.184	10.098
Mid Final:	11.086	10.179	10.082
Run Avg:	0.012	14.985	3.586
Co:	-0.093	-0.011	0.032
Cm:	11.058	10.182	10.090
Coa:	0.000	0.000	0.000
Cma:	11.600	10.000	9.830
Corrected:	0.110	14.713	3.473

GP 2022 September 14 Run 7
Run 7 Final Bias & Drift Check
Date/Time: 9/15/2022 14:31:04
Result: PASS

Operator: J. Grizzle
Plant: Plant McIntosh
Location: Rincon, GA
Source ID: Unit 1

Reference Cylinder IDs

	Low ID	Upscale ID	Span ID
CO	ALM-050814	CC463842	CC488035
O2	ALM-050814	EB0084144	CC719835
CO2	ALM-050814	EB0084144	CC719835

System Bias Check Results

Analyte:	CO	O2	CO2
Units:	ppm	%	%
Span:	22.83	22	21.7
Range:	100	25	25
Method:	EPA 7E	EPA 7E	EPA 7E
Low Cal:	-0.082	-0.070	0.036
Low Sys:	-0.129	-0.020	0.077
Low Bias:	-0.2%	0.2%	0.2%
Upscale Cal:	11.193	10.051	10.130
Upscale Sys:	11.026	10.164	10.065
Upscale Bias	-0.7%	0.5%	-0.3%
Bias Result:	PASSED	PASSED	PASSED

System Bias Drift Results

Low Drift:	0.0%	-0.1%	0.2%
Mid Drift:	-0.3%	-0.1%	-0.1%
Drift Result:	PASSED	PASSED	PASSED
Cal Result:	OK	OK	OK

Test Run 7 Bias Correction Calculations:

	CO	O2	CO2
Low init:	-0.131	-0.007	0.032
Low final:	-0.129	-0.020	0.077
Mid Init:	11.086	10.179	10.082
Mid Final:	11.026	10.164	10.065
Run Avg:	-0.073	14.963	3.593
Co:	-0.130	-0.013	0.054
Cm:	11.056	10.172	10.074
Coa:	0.000	0.000	0.000
Cma:	11.600	10.000	9.830
Corrected:	0.059	14.704	3.472

GP 2022 September 14 Run 8
Run 8 Final Bias & Drift Check
Date/Time: 9/15/2022 15:53:41
Result: PASS

Operator: J. Grizzle
Plant: Plant McIntosh
Location: Rincon, GA
Source ID: Unit 1

Reference Cylinder IDs

	Low ID	Upscale ID	Span ID
CO	ALM-050814	CC463842	CC488035
O2	ALM-050814	EB0084144	CC719835
CO2	ALM-050814	EB0084144	CC719835

System Bias Check Results

Analyte:	CO	O2	CO2
Units:	ppm	%	%
Span:	22.83	22	21.7
Range:	100	25	25
Method:	EPA 7E	EPA 7E	EPA 7E
Low Cal:	-0.082	-0.070	0.036
Low Sys:	-0.091	-0.003	0.037
Low Bias:	0.0%	0.3%	0.0%
Upscale Cal:	11.193	10.051	10.130
Upscale Sys:	10.990	10.174	10.079
Upscale Bias	-0.9%	0.6%	-0.2%
Bias Result:	PASSED	PASSED	PASSED

System Bias Drift Results

Low Drift:	0.2%	0.1%	-0.2%
Mid Drift:	-0.2%	0.0%	0.1%
Drift Result:	PASSED	PASSED	PASSED
Cal Result:	OK	OK	OK

Test Run 8 Bias Correction Calculations:

	CO	O2	CO2
Low init:	-0.129	-0.020	0.077
Low final:	-0.091	-0.003	0.037
Mid Init:	11.026	10.164	10.065
Mid Final:	10.990	10.174	10.079
Run Avg:	-0.145	14.947	3.594
Co:	-0.110	-0.011	0.057
Cm:	11.008	10.169	10.072
Coa:	0.000	0.000	0.000
Cma:	11.600	10.000	9.830
Corrected:	-0.036	14.693	3.472

GP 2022 September 14 Run 9
Run 9 Final Bias & Drift Check
Date/Time: 9/15/2022 17:22:17
Result: PASS

Operator: J. Grizzle
Plant: Plant McIntosh
Location: Rincon, GA
Source ID: Unit 1

Reference Cylinder IDs

	Low ID	Upscale ID	Span ID
CO	ALM-050814	CC463842	CC488035
O2	ALM-050814	EB0084144	CC719835
CO2	ALM-050814	EB0084144	CC719835

System Bias Check Results

Analyte:	CO	O2	CO2
Units:	ppm	%	%
Span:	22.83	22	21.7
Range:	100	25	25
Method:	EPA 7E	EPA 7E	EPA 7E
Low Cal:	-0.082	-0.070	0.036
Low Sys:	-0.149	-0.006	0.033
Low Bias:	-0.3%	0.3%	0.0%
Upscale Cal:	11.193	10.051	10.130
Upscale Sys:	11.079	10.172	10.069
Upscale Bias	-0.5%	0.6%	-0.3%
Bias Result:	PASSED	PASSED	PASSED

System Bias Drift Results

Low Drift:	-0.3%	0.0%	0.0%
Mid Drift:	0.4%	0.0%	0.0%
Drift Result:	PASSED	PASSED	PASSED
Cal Result:	OK	OK	OK

Test Run 9 Bias Correction Calculations:

	CO	O2	CO2
Low init:	-0.091	-0.003	0.037
Low final:	-0.149	-0.006	0.033
Mid Init:	10.990	10.174	10.079
Mid Final:	11.079	10.172	10.069
Run Avg:	-0.164	14.964	3.588
Co:	-0.120	-0.004	0.035
Cm:	11.034	10.173	10.074
Coa:	0.000	0.000	0.000
Cma:	11.600	10.000	9.830
Corrected:	-0.046	14.708	3.479

GP 2022 September 14 Run 10
Run 10 Final Bias & Drift Check
Date/Time: 9/15/2022 18:42:50
Result: PASS

Operator: J. Grizzle
Plant: Plant McIntosh
Location: Rincon, GA
Source ID: Unit 1

Reference Cylinder IDs

	Low ID	Upscale ID	Span ID
CO	ALM-050814	CC463842	CC488035
O2	ALM-050814	EB0084144	CC719835
CO2	ALM-050814	EB0084144	CC719835

System Bias Check Results

Analyte:	CO	O2	CO2
Units:	ppm	%	%
Span:	22.83	22	21.7
Range:	100	25	25
Method:	EPA 7E	EPA 7E	EPA 7E
Low Cal:	-0.082	-0.070	0.036
Low Sys:	-0.201	-0.039	0.042
Low Bias:	-0.5%	0.1%	0.0%
Upscale Cal:	11.193	10.051	10.130
Upscale Sys:	10.888	10.179	10.108
Upscale Bias	-1.3%	0.6%	-0.1%
Bias Result:	PASSED	PASSED	PASSED

System Bias Drift Results

Low Drift:	-0.2%	-0.2%	0.0%
Mid Drift:	-0.8%	0.0%	0.2%
Drift Result:	PASSED	PASSED	PASSED
Cal Result:	OK	OK	OK

Test Run 10 Bias Correction Calculations:

	CO	O2	CO2
Low init:	-0.149	-0.006	0.033
Low final:	-0.201	-0.039	0.042
Mid Init:	11.079	10.172	10.069
Mid Final:	10.888	10.179	10.108
Run Avg:	-0.197	14.995	3.580
Co:	-0.175	-0.023	0.037
Cm:	10.983	10.176	10.088
Coa:	0.000	0.000	0.000
Cma:	11.600	10.000	9.830
Corrected:	-0.022	14.725	3.465

GP 2022 September 16
Initial System Bias Check

Date/Time:	9/16/2022	7:42:04
Result:	PASS	

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Reference Cylinder IDs

	Low ID	Upscale ID	Span ID
O2	ALM-050814	EB0084144	CC719835
CO2	ALM-050814	EB0084144	CC719835

System Bias Check Results

Analyte:	O2	CO2
Units:	%	%
Span:	22	21.7
Range:	25	25
Method:	EPA 7E	EPA 7E
Low Cal:	0.020	0.040
Low Sys:	0.002	0.082
Low Bias:	-0.001	0.002
Upscale Cal:	10.106	10.036
Upscale Sys:	10.082	9.989
Upscale Bias	-0.001	-0.002
Bias Result:	PASSED	PASSED

GP 2022 September 16 Run 1
Run 1 Final Bias & Drift Check
Date/Time: 9/16/2022 12:27:33
Result: PASS

Operator: J. Grizzle
Plant: Plant McIntosh
Location: Rincon, GA
Source ID: Unit 1

Reference Cylinder IDs

	Low ID	Upscale ID	Span ID
O2	ALM-050814	EB0084144	CC719835
CO2	ALM-050814	EB0084144	CC719835

System Bias Check Results

Analyte:	O2	CO2
Units:	%	%
Span:	22	21.7
Range:	25	25
Method:	EPA 7E	EPA 7E
Low Cal:	0.020	0.040
Low Sys:	0.010	0.051
Low Bias:	0.0%	0.1%
Upscale Cal:	10.106	10.036
Upscale Sys:	10.077	9.977
Upscale Bias	-0.1%	-0.3%
Bias Result:	PASSED	PASSED

System Bias Drift Results

Low Drift:	0.0%	-0.1%
Mid Drift:	0.0%	-0.1%
Drift Result:	PASSED	PASSED
Cal Result:	OK	OK

Test Run 1 Bias Correction Calculations:

	O2	CO2
Low init:	0.002	0.082
Low final:	0.010	0.051
Mid Init:	10.082	9.989
Mid Final:	10.077	9.977
Run Avg:	14.785	3.556
Co:	0.006	0.067
Cm:	10.080	9.983
Coa:	0.000	0.000
Cma:	10.000	9.830
Corrected:	14.671	3.459

GP 2022 September 16 Run 2
Run 2 Final Bias & Drift Check
Date/Time: 9/16/2022 16:20:22
Result: PASS

Operator: J. Grizzle
Plant: Plant McIntosh
Location: Rincon, GA
Source ID: Unit 1

Reference Cylinder IDs

	Low ID	Upscale ID	Span ID
O2	ALM-050814	EB0084144	CC719835
CO2	ALM-050814	EB0084144	CC719835

System Bias Check Results

Analyte:	O2	CO2
Units:	%	%
Span:	22	21.7
Range:	25	25
Method:	EPA 7E	EPA 7E
Low Cal:	0.020	0.040
Low Sys:	0.021	0.053
Low Bias:	0.0%	0.1%
Upscale Cal:	10.106	10.036
Upscale Sys:	10.064	9.942
Upscale Bias	-0.2%	-0.4%
Bias Result:	PASSED	PASSED

System Bias Drift Results

Low Drift:	0.0%	0.0%
Mid Drift:	-0.1%	-0.2%
Drift Result:	PASSED	PASSED
Cal Result:	OK	OK

Test Run 2 Bias Correction Calculations:

	O2	CO2
Low init:	0.010	0.051
Low final:	0.021	0.053
Mid Init:	10.077	9.977
Mid Final:	10.064	9.942
Run Avg:	14.653	3.594
Co:	0.016	0.052
Cm:	10.071	9.959
Coa:	0.000	0.000
Cma:	10.000	9.830
Corrected:	14.558	3.514

GP 2022 September 17
Initial System Bias Check

Date/Time:	9/17/2022	7:03:01
Result:	PASS	

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Reference Cylinder IDs

	Low ID	Upscale ID	Span ID
CO	ALM-050814	CC463842	CC488035
O2	ALM-050814	EB0084144	CC719835
CO2	ALM-050814	EB0084144	CC719835

System Bias Check Results

Analyte:	CO	O2	CO2
Units:	ppm	%	%
Span:	22.83	22	21.7
Range:	100	25	25
Method:	EPA 7E	EPA 7E	EPA 7E
Low Cal:	-0.189	0.035	0.056
Low Sys:	-0.177	0.039	0.085
Low Bias:	0.1%	0.0%	0.1%
Upscale Cal:	11.151	10.141	10.181
Upscale Sys:	11.502	10.065	10.090
Upscale Bias	1.5%	-0.3%	-0.4%
Bias Result:	PASSED	PASSED	PASSED

GP 2022 September 17 Run 1
Run 1 Final Bias & Drift Check
Date/Time: 9/17/2022 9:38:31
Result: PASS

Operator: J. Grizzle
Plant: Plant McIntosh
Location: Rincon, GA
Source ID: Unit 1

Reference Cylinder IDs

	Low ID	Upscale ID	Span ID
CO	ALM-050814	CC463842	CC488035
O2	ALM-050814	EB0084144	CC719835
CO2	ALM-050814	EB0084144	CC719835

System Bias Check Results

Analyte:	CO	O2	CO2
Units:	ppm	%	%
Span:	22.83	22	21.7
Range:	100	25	25
Method:	EPA 7E	EPA 7E	EPA 7E
Low Cal:	-0.189	0.035	0.056
Low Sys:	-0.158	0.073	0.103
Low Bias:	0.1%	0.2%	0.2%
Upscale Cal:	11.151	10.141	10.181
Upscale Sys:	11.545	10.045	10.102
Upscale Bias	1.7%	-0.4%	-0.4%
Bias Result:	PASSED	PASSED	PASSED

System Bias Drift Results

Low Drift:	0.1%	0.2%	0.1%
Mid Drift:	0.2%	-0.1%	0.1%
Drift Result:	PASSED	PASSED	PASSED
Cal Result:	OK	OK	OK

Test Run 1 Bias Correction Calculations:

	CO	O2	CO2
Low init:	-0.177	0.039	0.085
Low final:	-0.158	0.073	0.103
Mid Init:	11.502	10.065	10.090
Mid Final:	11.545	10.045	10.102
Run Avg:	-0.179	14.506	4.733
Co:	-0.168	0.056	0.094
Cm:	11.523	10.055	10.096
Coa:	0.000	0.000	0.000
Cma:	11.600	10.000	9.830
Corrected:	-0.011	14.452	4.560

GP 2022 September 17 Run 2
Run 2 Final Bias & Drift Check
Date/Time: 9/17/2022 10:49:06
Result: PASS

Operator: J. Grizzle
Plant: Plant McIntosh
Location: Rincon, GA
Source ID: Unit 1

Reference Cylinder IDs

	Low ID	Upscale ID	Span ID
CO	ALM-050814	CC463842	CC488035
O2	ALM-050814	EB0084144	CC719835
CO2	ALM-050814	EB0084144	CC719835

System Bias Check Results

Analyte:	CO	O2	CO2
Units:	ppm	%	%
Span:	22.83	22	21.7
Range:	100	25	25
Method:	EPA 7E	EPA 7E	EPA 7E
Low Cal:	-0.189	0.035	0.056
Low Sys:	-0.197	0.076	0.095
Low Bias:	0.0%	0.2%	0.2%
Upscale Cal:	11.151	10.141	10.181
Upscale Sys:	11.497	10.041	10.113
Upscale Bias	1.5%	-0.5%	-0.3%
Bias Result:	PASSED	PASSED	PASSED

System Bias Drift Results

Low Drift:	-0.2%	0.0%	0.0%
Mid Drift:	-0.2%	0.0%	0.0%
Drift Result:	PASSED	PASSED	PASSED
Cal Result:	OK	OK	OK

Test Run 2 Bias Correction Calculations:

	CO	O2	CO2
Low init:	-0.158	0.073	0.103
Low final:	-0.197	0.076	0.095
Mid Init:	11.545	10.045	10.102
Mid Final:	11.497	10.041	10.113
Run Avg:	-0.182	14.466	4.762
Co:	-0.177	0.075	0.099
Cm:	11.521	10.043	10.107
Coa:	0.000	0.000	0.000
Cma:	11.600	10.000	9.830
Corrected:	-0.005	14.437	4.580

GP 2022 September 17 Run 3
Run 3 Final Bias & Drift Check
Date/Time: 9/17/2022 12:06:41
Result: PASS

Operator: J. Grizzle
Plant: Plant McIntosh
Location: Rincon, GA
Source ID: Unit 1

Reference Cylinder IDs

	Low ID	Upscale ID	Span ID
CO	ALM-050814	CC463842	CC488035
O2	ALM-050814	EB0084144	CC719835
CO2	ALM-050814	EB0084144	CC719835

System Bias Check Results

Analyte:	CO	O2	CO2
Units:	ppm	%	%
Span:	22.83	22	21.7
Range:	100	25	25
Method:	EPA 7E	EPA 7E	EPA 7E
Low Cal:	-0.189	0.035	0.056
Low Sys:	-0.056	0.067	0.104
Low Bias:	0.6%	0.1%	0.2%
Upscale Cal:	11.151	10.141	10.181
Upscale Sys:	11.439	10.056	10.130
Upscale Bias	1.3%	-0.4%	-0.2%
Bias Result:	PASSED	PASSED	PASSED

System Bias Drift Results

Low Drift:	0.6%	0.0%	0.0%
Mid Drift:	-0.3%	0.1%	0.1%
Drift Result:	PASSED	PASSED	PASSED
Cal Result:	OK	OK	OK

Test Run 3 Bias Correction Calculations:

	CO	O2	CO2
Low init:	-0.197	0.076	0.095
Low final:	-0.056	0.067	0.104
Mid Init:	11.497	10.041	10.113
Mid Final:	11.439	10.056	10.130
Run Avg:	-0.199	14.427	4.785
Co:	-0.126	0.072	0.100
Cm:	11.468	10.048	10.121
Coa:	0.000	0.000	0.000
Cma:	11.600	10.000	9.830
Corrected:	-0.073	14.388	4.596

GP 2022 September 17 Run 4
Run 4 Final Bias & Drift Check
Date/Time: 9/17/2022 13:18:48
Result: PASS

Operator: J. Grizzle
Plant: Plant McIntosh
Location: Rincon, GA
Source ID: Unit 1

Reference Cylinder IDs

	Low ID	Upscale ID	Span ID
CO	ALM-050814	CC463842	CC488035
O2	ALM-050814	EB0084144	CC719835
CO2	ALM-050814	EB0084144	CC719835

System Bias Check Results

Analyte:	CO	O2	CO2
Units:	ppm	%	%
Span:	22.83	22	21.7
Range:	100	25	25
Method:	EPA 7E	EPA 7E	EPA 7E
Low Cal:	-0.189	0.035	0.056
Low Sys:	-0.176	0.092	0.100
Low Bias:	0.1%	0.3%	0.2%
Upscale Cal:	11.151	10.141	10.181
Upscale Sys:	11.545	10.044	10.098
Upscale Bias	1.7%	-0.4%	-0.4%
Bias Result:	PASSED	PASSED	PASSED

System Bias Drift Results

Low Drift:	-0.5%	0.1%	0.0%
Mid Drift:	0.5%	-0.1%	-0.1%
Drift Result:	PASSED	PASSED	PASSED
Cal Result:	OK	OK	OK

Test Run 4 Bias Correction Calculations:

	CO	O2	CO2
Low init:	-0.056	0.067	0.104
Low final:	-0.176	0.092	0.100
Mid Init:	11.439	10.056	10.130
Mid Final:	11.545	10.044	10.098
Run Avg:	-0.220	14.409	4.790
Co:	-0.116	0.079	0.102
Cm:	11.492	10.050	10.114
Coa:	0.000	0.000	0.000
Cma:	11.600	10.000	9.830
Corrected:	-0.104	14.372	4.603

GP 2022 September 17 Run 5
Run 5 Final Bias & Drift Check
Date/Time: 9/17/2022 14:32:44
Result: PASS

Operator: J. Grizzle
Plant: Plant McIntosh
Location: Rincon, GA
Source ID: Unit 1

Reference Cylinder IDs

	Low ID	Upscale ID	Span ID
CO	ALM-050814	CC463842	CC488035
O2	ALM-050814	EB0084144	CC719835
CO2	ALM-050814	EB0084144	CC719835

System Bias Check Results

Analyte:	CO	O2	CO2
Units:	ppm	%	%
Span:	22.83	22	21.7
Range:	100	25	25
Method:	EPA 7E	EPA 7E	EPA 7E
Low Cal:	-0.189	0.035	0.056
Low Sys:	-0.209	0.086	0.090
Low Bias:	-0.1%	0.2%	0.2%
Upscale Cal:	11.151	10.141	10.181
Upscale Sys:	11.383	10.002	10.076
Upscale Bias	1.0%	-0.6%	-0.5%
Bias Result:	PASSED	PASSED	PASSED

System Bias Drift Results

Low Drift:	-0.1%	0.0%	0.0%
Mid Drift:	-0.7%	-0.2%	-0.1%
Drift Result:	PASSED	PASSED	PASSED
Cal Result:	OK	OK	OK

Test Run 5 Bias Correction Calculations:

	CO	O2	CO2
Low init:	-0.176	0.092	0.100
Low final:	-0.209	0.086	0.090
Mid Init:	11.545	10.044	10.098
Mid Final:	11.383	10.002	10.076
Run Avg:	-0.245	14.372	4.805
Co:	-0.192	0.089	0.095
Cm:	11.464	10.023	10.087
Coa:	0.000	0.000	0.000
Cma:	11.600	10.000	9.830
Corrected:	-0.061	14.376	4.635

GP 2022 September 17 Run 6
Run 6 Final Bias & Drift Check
Date/Time: 9/17/2022 15:41:48
Result: PASS

Operator: J. Grizzle
Plant: Plant McIntosh
Location: Rincon, GA
Source ID: Unit 1

Reference Cylinder IDs

	Low ID	Upscale ID	Span ID
CO	ALM-050814	CC463842	CC488035
O2	ALM-050814	EB0084144	CC719835
CO2	ALM-050814	EB0084144	CC719835

System Bias Check Results

Analyte:	CO	O2	CO2
Units:	ppm	%	%
Span:	22.83	22	21.7
Range:	100	25	25
Method:	EPA 7E	EPA 7E	EPA 7E
Low Cal:	-0.189	0.035	0.056
Low Sys:	-0.256	0.084	0.106
Low Bias:	-0.3%	0.2%	0.2%
Upscale Cal:	11.151	10.141	10.181
Upscale Sys:	11.294	9.999	10.079
Upscale Bias	0.6%	-0.6%	-0.5%
Bias Result:	PASSED	PASSED	PASSED

System Bias Drift Results

Low Drift:	-0.2%	0.0%	0.1%
Mid Drift:	-0.4%	0.0%	0.0%
Drift Result:	PASSED	PASSED	PASSED
Cal Result:	OK	OK	OK

Test Run 6 Bias Correction Calculations:

	CO	O2	CO2
Low init:	-0.209	0.086	0.090
Low final:	-0.256	0.084	0.106
Mid Init:	11.383	10.002	10.076
Mid Final:	11.294	9.999	10.079
Run Avg:	-0.256	14.321	4.807
Co:	-0.232	0.085	0.098
Cm:	11.339	10.000	10.077
Coa:	0.000	0.000	0.000
Cma:	11.600	10.000	9.830
Corrected:	-0.024	14.357	4.638

GP 2022 September 17 Run 7
Run 7 Final Bias & Drift Check
Date/Time: 9/17/2022 16:51:07
Result: PASS

Operator: J. Grizzle
Plant: Plant McIntosh
Location: Rincon, GA
Source ID: Unit 1

Reference Cylinder IDs

	Low ID	Upscale ID	Span ID
CO	ALM-050814	CC463842	CC488035
O2	ALM-050814	EB0084144	CC719835
CO2	ALM-050814	EB0084144	CC719835

System Bias Check Results

Analyte:	CO	O2	CO2
Units:	ppm	%	%
Span:	22.83	22	21.7
Range:	100	25	25
Method:	EPA 7E	EPA 7E	EPA 7E
Low Cal:	-0.189	0.035	0.056
Low Sys:	-0.302	0.096	0.107
Low Bias:	-0.5%	0.3%	0.2%
Upscale Cal:	11.151	10.141	10.181
Upscale Sys:	11.315	9.993	10.046
Upscale Bias	0.7%	-0.7%	-0.6%
Bias Result:	PASSED	PASSED	PASSED

System Bias Drift Results

Low Drift:	-0.2%	0.1%	0.0%
Mid Drift:	0.1%	0.0%	-0.2%
Drift Result:	PASSED	PASSED	PASSED
Cal Result:	OK	OK	OK

Test Run 7 Bias Correction Calculations:

	CO	O2	CO2
Low init:	-0.256	0.084	0.106
Low final:	-0.302	0.096	0.107
Mid Init:	11.294	9.999	10.079
Mid Final:	11.315	9.993	10.046
Run Avg:	-0.295	14.315	4.797
Co:	-0.279	0.090	0.106
Cm:	11.305	9.996	10.062
Coa:	0.000	0.000	0.000
Cma:	11.600	10.000	9.830
Corrected:	-0.016	14.360	4.631

GP 2022 September 19
Initial System Bias Check

Date/Time:	9/19/2022	7:13:49
Result:	PASS	

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Reference Cylinder IDs

	Low ID	Upscale ID	Span ID
O2	ALM-050814	EB0084144	CC719835
CO2	ALM-050814	EB0084144	CC719835

System Bias Check Results

Analyte:	O2	CO2
Units:	%	%
Span:	22	21.7
Range:	25	25
Method:	EPA 7E	EPA 7E
Low Cal:	0.060	0.080
Low Sys:	0.084	0.105
Low Bias:	0.1%	0.1%
Upscale Cal:	10.059	10.122
Upscale Sys:	9.985	10.069
Upscale Bias	-0.3%	-0.2%
Bias Result:	PASSED	PASSED

GP 2022 September 19 Run 1
Run 1 Final Bias & Drift Check

Date/Time:	9/19/2022	11:32:44
Result:	PASS	

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Reference Cylinder IDs

	Low ID	Upscale ID	Span ID
O2	ALM-050814	EB0084144	CC719835
CO2	ALM-050814	EB0084144	CC719835

System Bias Check Results

Analyte:	O2	CO2
Units:	%	%
Span:	22	21.7
Range:	25	25
Method:	EPA 7E	EPA 7E
Low Cal:	0.060	0.080
Low Sys:	0.074	0.103
Low Bias:	0.1%	0.1%
Upscale Cal:	10.059	10.122
Upscale Sys:	10.040	10.065
Upscale Bias	-0.1%	-0.3%
Bias Result:	PASSED	PASSED

System Bias Drift Results

Low Drift:	0.0%	0.0%
Mid Drift:	0.2%	0.0%
Drift Result:	PASSED	PASSED
Cal Result:	OK	OK

Test Run 1 Bias Correction Calculations:

	O2	CO2
Low init:	0.084	0.105
Low final:	0.074	0.103
Mid Init:	9.985	10.069
Mid Final:	10.040	10.065
Run Avg:	14.535	4.682
Co:	0.079	0.104
Cm:	10.012	10.067
Coa:	0.000	0.000
Cma:	10.000	9.830
Corrected:	14.553	4.516

GP 2022 September 19 Run 2
Run 2 Final Bias & Drift Check

Date/Time:	9/19/2022	15:12:43
Result:	PASS	

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Reference Cylinder IDs

	Low ID	Upscale ID	Span ID
O2	ALM-050814	EB0084144	CC719835
CO2	ALM-050814	EB0084144	CC719835

System Bias Check Results

Analyte:	O2	CO2
Units:	%	%
Span:	22	21.7
Range:	25	25
Method:	EPA 7E	EPA 7E
Low Cal:	0.060	0.080
Low Sys:	0.116	0.124
Low Bias:	0.3%	0.2%
Upscale Cal:	10.059	10.122
Upscale Sys:	9.922	10.039
Upscale Bias	-0.6%	-0.4%
Bias Result:	PASSED	PASSED

System Bias Drift Results

Low Drift:	0.2%	0.1%
Mid Drift:	-0.5%	-0.1%
Drift Result:	PASSED	PASSED
Cal Result:	OK	OK

Test Run 2 Bias Correction Calculations:

	O2	CO2
Low init:	0.074	0.103
Low final:	0.116	0.124
Mid Init:	10.040	10.065
Mid Final:	9.922	10.039
Run Avg:	14.419	4.737
Co:	0.095	0.113
Cm:	9.981	10.052
Coa:	0.000	0.000
Cma:	10.000	9.830
Corrected:	14.489	4.572

GP 2022 September 19 Run 3
Run 3 Final Bias & Drift Check

Date/Time:	9/19/2022	19:21:03
Result:	PASS	

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Reference Cylinder IDs

	Low ID	Upscale ID	Span ID
O2	ALM-050814	EB0084144	CC719835
CO2	ALM-050814	EB0084144	CC719835

System Bias Check Results

Analyte:	O2	CO2
Units:	%	%
Span:	22	21.7
Range:	25	25
Method:	EPA 7E	EPA 7E
Low Cal:	0.060	0.080
Low Sys:	0.086	0.099
Low Bias:	0.1%	0.1%
Upscale Cal:	10.059	10.122
Upscale Sys:	10.012	10.081
Upscale Bias	-0.2%	-0.2%
Bias Result:	PASSED	PASSED

System Bias Drift Results

Low Drift:	-0.1%	-0.1%
Mid Drift:	0.4%	0.2%
Drift Result:	PASSED	PASSED
Cal Result:	OK	OK

Test Run 3 Bias Correction Calculations:

	O2	CO2
Low init:	0.116	0.124
Low final:	0.086	0.099
Mid Init:	9.922	10.039
Mid Final:	10.012	10.081
Run Avg:	14.487	4.743
Co:	0.101	0.112
Cm:	9.967	10.060
Coa:	0.000	0.000
Cma:	10.000	9.830
Corrected:	14.581	4.576

GP 2022 September 20
Initial System Bias Check

Date/Time:	9/20/2022	7:27:26
Result:	PASS	

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Reference Cylinder IDs

	Low ID	Upscale ID	Span ID
O2	ALM-050814	EB0084144	CC719835
CO2	ALM-050814	EB0084144	CC719835

System Bias Check Results

Analyte:	O2	CO2
Units:	%	%
Span:	22	21.7
Range:	25	25
Method:	EPA 7E	EPA 7E
Low Cal:	0.041	0.104
Low Sys:	0.048	0.121
Low Bias:	0.0%	0.1%
Upscale Cal:	10.211	10.198
Upscale Sys:	10.163	10.093
Upscale Bias	-0.2%	-0.5%
Bias Result:	PASSED	PASSED

GP 2022 September 20 Run 1
Run 1 Final Bias & Drift Check

Date/Time:	9/20/2022	12:14:03
Result:	PASS	

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Reference Cylinder IDs

	Low ID	Upscale ID	Span ID
O2	ALM-050814	EB0084144	CC719835
CO2	ALM-050814	EB0084144	CC719835

System Bias Check Results

Analyte:	O2	CO2
Units:	%	%
Span:	22	21.7
Range:	25	25
Method:	EPA 7E	EPA 7E
Low Cal:	0.041	0.104
Low Sys:	0.073	0.117
Low Bias:	0.1%	0.1%
Upscale Cal:	10.211	10.198
Upscale Sys:	10.090	10.118
Upscale Bias	-0.5%	-0.4%
Bias Result:	PASSED	PASSED

System Bias Drift Results

Low Drift:	0.1%	0.0%
Mid Drift:	-0.3%	0.1%
Drift Result:	PASSED	PASSED
Cal Result:	OK	OK

Test Run 1 Bias Correction Calculations:

	O2	CO2
Low init:	0.048	0.121
Low final:	0.073	0.117
Mid Init:	10.163	10.093
Mid Final:	10.090	10.118
Run Avg:	14.592	4.746
Co:	0.061	0.119
Cm:	10.127	10.105
Coa:	0.000	0.000
Cma:	10.000	9.830
Corrected:	14.436	4.555

GP 2022 September 20 Run 2
Run 2 Final Bias & Drift Check

Date/Time:	9/20/2022	16:35:54
Result:	PASS	

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Reference Cylinder IDs

	Low ID	Upscale ID	Span ID
O2	ALM-050814	EB0084144	CC719835
CO2	ALM-050814	EB0084144	CC719835

System Bias Check Results

Analyte:	O2	CO2
Units:	%	%
Span:	22	21.7
Range:	25	25
Method:	EPA 7E	EPA 7E
Low Cal:	0.041	0.104
Low Sys:	0.057	0.119
Low Bias:	0.1%	0.1%
Upscale Cal:	10.211	10.198
Upscale Sys:	10.178	10.096
Upscale Bias	-0.1%	-0.5%
Bias Result:	PASSED	PASSED

System Bias Drift Results

Low Drift:	-0.1%	0.0%
Mid Drift:	0.4%	-0.1%
Drift Result:	PASSED	PASSED
Cal Result:	OK	OK

Test Run 2 Bias Correction Calculations:

	O2	CO2
Low init:	0.073	0.117
Low final:	0.057	0.119
Mid Init:	10.090	10.118
Mid Final:	10.178	10.096
Run Avg:	14.506	4.789
Co:	0.065	0.118
Cm:	10.134	10.107
Coa:	0.000	0.000
Cma:	10.000	9.830
Corrected:	14.342	4.597

GP 2022 September 21
Initial System Bias Check

Date/Time:	9/21/2022	7:35:33
Result:	PASS	

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 2

Reference Cylinder IDs

	Low ID	Upscale ID	Span ID
CO	ALM-050814	CC463842	CC488035
O2	ALM-050814	EB0084144	CC719835
CO2	ALM-050814	EB0084144	CC719835

System Bias Check Results

Analyte:	CO	O2	CO2
Units:	ppm	%	%
Span:	22.83	22	21.7
Range:	100	25	25
Method:	EPA 7E	EPA 7E	EPA 7E
Low Cal:	-0.135	0.021	0.120
Low Sys:	-0.047	0.088	0.129
Low Bias:	0.4%	0.3%	0.0%
Upscale Cal:	11.295	10.000	10.167
Upscale Sys:	11.393	9.888	10.040
Upscale Bias	0.4%	-0.5%	-0.6%
Bias Result:	PASSED	PASSED	PASSED

GP 2022 September 21 Run 1
Run 1 Final Bias & Drift Check
Date/Time: 9/21/2022 10:02:59
Result: PASS

Operator: J. Grizzle
Plant: Plant McIntosh
Location: Rincon, GA
Source ID: Unit 2

Reference Cylinder IDs

	Low ID	Upscale ID	Span ID
CO	ALM-050814	CC463842	CC488035
O2	ALM-050814	EB0084144	CC719835
CO2	ALM-050814	EB0084144	CC719835

System Bias Check Results

Analyte:	CO	O2	CO2
Units:	ppm	%	%
Span:	22.83	22	21.7
Range:	100	25	25
Method:	EPA 7E	EPA 7E	EPA 7E
Low Cal:	-0.135	0.021	0.120
Low Sys:	-0.026	0.118	0.126
Low Bias:	0.5%	0.4%	0.0%
Upscale Cal:	11.295	10.000	10.167
Upscale Sys:	11.340	10.070	10.069
Upscale Bias	0.2%	0.3%	-0.5%
Bias Result:	PASSED	PASSED	PASSED

System Bias Drift Results

Low Drift:	0.1%	0.1%	0.0%
Mid Drift:	-0.2%	0.8%	0.1%
Drift Result:	PASSED	PASSED	PASSED
Cal Result:	OK	OK	OK

Test Run 1 (datalog mode) Bias Correction Calculations:

	CO	O2	CO2
Low init:	-0.047	0.088	0.129
Low final:	-0.026	0.118	0.126
Mid Init:	11.393	9.888	10.040
Mid Final:	11.340	10.070	10.069
Run Avg:	0.174	14.666	3.517
Co:	-0.036	0.103	0.127
Cm:	11.366	9.979	10.054
Coa:	0.000	0.000	0.000
Cma:	11.600	10.000	9.830
Corrected:	0.214	14.746	3.357

Test Run 1 Bias Correction Calculations:

	CO	O2	CO2
Low init:	-0.047	0.088	0.129
Low final:	-0.026	0.118	0.126
Mid Init:	11.393	9.888	10.04
Mid Final:	11.34	10.07	10.069
Run Avg:	-0.021	14.448	3.688
Co:	-0.036	0.103	0.127
Cm:	11.366	9.979	10.054
Coa:	0	0	0
Cma:	11.6	10	9.83
Corrected:	0.015	14.525	3.526

GP 2022 September 21 Run 2
Run 2 Final Bias & Drift Check
Date/Time: 9/21/2022 11:13:07
Result: PASS

Operator: J. Grizzle
Plant: Plant McIntosh
Location: Rincon, GA
Source ID: Unit 2

Reference Cylinder IDs

	Low ID	Upscale ID	Span ID
CO	ALM-050814	CC463842	CC488035
O2	ALM-050814	EB0084144	CC719835
CO2	ALM-050814	EB0084144	CC719835

System Bias Check Results

Analyte:	CO	O2	CO2
Units:	ppm	%	%
Span:	22.83	22	21.7
Range:	100	25	25
Method:	EPA 7E	EPA 7E	EPA 7E
Low Cal:	-0.135	0.021	0.120
Low Sys:	-0.026	0.099	0.115
Low Bias:	0.5%	0.4%	0.0%
Upscale Cal:	11.295	10.000	10.167
Upscale Sys:	11.303	10.069	10.086
Upscale Bias	0.0%	0.3%	-0.4%
Bias Result:	PASSED	PASSED	PASSED

System Bias Drift Results

Low Drift:	0.0%	-0.1%	-0.1%
Mid Drift:	-0.2%	0.0%	0.1%
Drift Result:	PASSED	PASSED	PASSED
Cal Result:	OK	OK	OK

Test Run 2 Bias Correction Calculations:

	CO	O2	CO2
Low init:	-0.026	0.118	0.126
Low final:	-0.026	0.099	0.115
Mid Init:	11.340	10.070	10.069
Mid Final:	11.303	10.069	10.086
Run Avg:	0.001	14.486	3.754
Co:	-0.026	0.109	0.120
Cm:	11.322	10.069	10.077
Coa:	0.000	0.000	0.000
Cma:	11.600	10.000	9.830
Corrected:	0.027	14.434	3.588

GP 2022 September 21 Run 3
Run 3 Final Bias & Drift Check
Date/Time: 9/21/2022 12:43:00
Result: PASS

Operator: J. Grizzle
Plant: Plant McIntosh
Location: Rincon, GA
Source ID: Unit 2

Reference Cylinder IDs

	Low ID	Upscale ID	Span ID
CO	ALM-050814	CC463842	CC488035
O2	ALM-050814	EB0084144	CC719835
CO2	ALM-050814	EB0084144	CC719835

System Bias Check Results

Analyte:	CO	O2	CO2
Units:	ppm	%	%
Span:	22.83	22	21.7
Range:	100	25	25
Method:	EPA 7E	EPA 7E	EPA 7E
Low Cal:	-0.135	0.021	0.120
Low Sys:	-0.080	0.078	0.118
Low Bias:	0.2%	0.3%	0.0%
Upscale Cal:	11.295	10.000	10.167
Upscale Sys:	11.352	10.051	10.069
Upscale Bias	0.3%	0.2%	-0.4%
Bias Result:	PASSED	PASSED	PASSED

System Bias Drift Results

Low Drift:	-0.2%	-0.1%	0.0%
Mid Drift:	0.2%	-0.1%	-0.1%
Drift Result:	PASSED	PASSED	PASSED
Cal Result:	OK	OK	OK

Test Run 3 Bias Correction Calculations:

	CO	O2	CO2
Low init:	-0.026	0.099	0.115
Low final:	-0.080	0.078	0.118
Mid Init:	11.303	10.069	10.086
Mid Final:	11.352	10.051	10.069
Run Avg:	0.045	14.437	3.770
Co:	-0.053	0.089	0.116
Cm:	11.328	10.060	10.077
Coa:	0.000	0.000	0.000
Cma:	11.600	10.000	9.830
Corrected:	0.101	14.390	3.606

GP 2022 September 21 Run 4
Run 4 Final Bias & Drift Check
Date/Time: 9/21/2022 14:10:55
Result: PASS

Operator: J. Grizzle
Plant: Plant McIntosh
Location: Rincon, GA
Source ID: Unit 2

Reference Cylinder IDs

	Low ID	Upscale ID	Span ID
CO	ALM-050814	CC463842	CC488035
O2	ALM-050814	EB0084144	CC719835
CO2	ALM-050814	EB0084144	CC719835

System Bias Check Results

Analyte:	CO	O2	CO2
Units:	ppm	%	%
Span:	22.83	22	21.7
Range:	100	25	25
Method:	EPA 7E	EPA 7E	EPA 7E
Low Cal:	-0.135	0.021	0.120
Low Sys:	-0.031	0.084	0.120
Low Bias:	0.5%	0.3%	0.0%
Upscale Cal:	11.295	10.000	10.167
Upscale Sys:	11.317	10.063	10.079
Upscale Bias	0.1%	0.3%	-0.4%
Bias Result:	PASSED	PASSED	PASSED

System Bias Drift Results

Low Drift:	0.2%	0.0%	0.0%
Mid Drift:	-0.2%	0.1%	0.0%
Drift Result:	PASSED	PASSED	PASSED
Cal Result:	OK	OK	OK

Test Run 4 Bias Correction Calculations:

	CO	O2	CO2
Low init:	-0.080	0.078	0.118
Low final:	-0.031	0.084	0.120
Mid Init:	11.352	10.051	10.069
Mid Final:	11.317	10.063	10.079
Run Avg:	0.040	14.400	3.776
Co:	-0.055	0.081	0.119
Cm:	11.335	10.057	10.074
Coa:	0.000	0.000	0.000
Cma:	11.600	10.000	9.830
Corrected:	0.097	14.354	3.611

GP 2022 September 21 Run 5
Run 5 Final Bias & Drift Check
Date/Time: 9/21/2022 15:20:05
Result: PASS

Operator: J. Grizzle
Plant: Plant McIntosh
Location: Rincon, GA
Source ID: Unit 2

Reference Cylinder IDs

	Low ID	Upscale ID	Span ID
CO	ALM-050814	CC463842	CC488035
O2	ALM-050814	EB0084144	CC719835
CO2	ALM-050814	EB0084144	CC719835

System Bias Check Results

Analyte:	CO	O2	CO2
Units:	ppm	%	%
Span:	22.83	22	21.7
Range:	100	25	25
Method:	EPA 7E	EPA 7E	EPA 7E
Low Cal:	-0.135	0.021	0.120
Low Sys:	-0.068	0.108	0.126
Low Bias:	0.3%	0.4%	0.0%
Upscale Cal:	11.295	10.000	10.167
Upscale Sys:	11.247	10.041	10.032
Upscale Bias	-0.2%	0.2%	-0.6%
Bias Result:	PASSED	PASSED	PASSED

System Bias Drift Results

Low Drift:	-0.2%	0.1%	0.0%
Mid Drift:	-0.3%	-0.1%	-0.2%
Drift Result:	PASSED	PASSED	PASSED
Cal Result:	OK	OK	OK

Test Run 5 Bias Correction Calculations:

	CO	O2	CO2
Low init:	-0.031	0.084	0.120
Low final:	-0.068	0.108	0.126
Mid Init:	11.317	10.063	10.079
Mid Final:	11.247	10.041	10.032
Run Avg:	0.130	14.387	3.780
Co:	-0.049	0.096	0.123
Cm:	11.282	10.052	10.056
Coa:	0.000	0.000	0.000
Cma:	11.600	10.000	9.830
Corrected:	0.183	14.354	3.620

GP 2022 September 21 Run 6
Run 6 Final Bias & Drift Check
Date/Time: 9/21/2022 16:29:07
Result: PASS

Operator: J. Grizzle
Plant: Plant McIntosh
Location: Rincon, GA
Source ID: Unit 2

Reference Cylinder IDs

	Low ID	Upscale ID	Span ID
CO	ALM-050814	CC463842	CC488035
O2	ALM-050814	EB0084144	CC719835
CO2	ALM-050814	EB0084144	CC719835

System Bias Check Results

Analyte:	CO	O2	CO2
Units:	ppm	%	%
Span:	22.83	22	21.7
Range:	100	25	25
Method:	EPA 7E	EPA 7E	EPA 7E
Low Cal:	-0.135	0.021	0.120
Low Sys:	-0.102	0.106	0.126
Low Bias:	0.1%	0.4%	0.0%
Upscale Cal:	11.295	10.000	10.167
Upscale Sys:	11.264	10.048	10.039
Upscale Bias	-0.1%	0.2%	-0.6%
Bias Result:	PASSED	PASSED	PASSED

System Bias Drift Results

Low Drift:	-0.1%	0.0%	0.0%
Mid Drift:	0.1%	0.0%	0.0%
Drift Result:	PASSED	PASSED	PASSED
Cal Result:	OK	OK	OK

Test Run 6 Bias Correction Calculations:

	CO	O2	CO2
Low init:	-0.068	0.108	0.126
Low final:	-0.102	0.106	0.126
Mid Init:	11.247	10.041	10.032
Mid Final:	11.264	10.048	10.039
Run Avg:	0.103	14.381	3.777
Co:	-0.085	0.107	0.126
Cm:	11.256	10.045	10.035
Coa:	0.000	0.000	0.000
Cma:	11.600	10.000	9.830
Corrected:	0.192	14.364	3.622

GP 2022 September 21 Run 7
Run 7 Final Bias & Drift Check
Date/Time: 9/21/2022 17:41:35
Result: PASS

Operator: J. Grizzle
Plant: Plant McIntosh
Location: Rincon, GA
Source ID: Unit 2

Reference Cylinder IDs

	Low ID	Upscale ID	Span ID
CO	ALM-050814	CC463842	CC488035
O2	ALM-050814	EB0084144	CC719835
CO2	ALM-050814	EB0084144	CC719835

System Bias Check Results

Analyte:	CO	O2	CO2
Units:	ppm	%	%
Span:	22.83	22	21.7
Range:	100	25	25
Method:	EPA 7E	EPA 7E	EPA 7E
Low Cal:	-0.135	0.021	0.120
Low Sys:	-0.077	0.100	0.113
Low Bias:	0.3%	0.4%	0.0%
Upscale Cal:	11.295	10.000	10.167
Upscale Sys:	11.309	10.049	10.060
Upscale Bias	0.1%	0.2%	-0.5%
Bias Result:	PASSED	PASSED	PASSED

System Bias Drift Results

Low Drift:	0.1%	0.0%	-0.1%
Mid Drift:	0.2%	0.0%	0.1%
Drift Result:	PASSED	PASSED	PASSED
Cal Result:	OK	OK	OK

Test Run 7 Bias Correction Calculations:

	CO	O2	CO2
Low init:	-0.102	0.106	0.126
Low final:	-0.077	0.100	0.113
Mid Init:	11.264	10.048	10.039
Mid Final:	11.309	10.049	10.060
Run Avg:	0.179	14.400	3.766
Co:	-0.090	0.103	0.120
Cm:	11.287	10.048	10.049
Coa:	0.000	0.000	0.000
Cma:	11.600	10.000	9.830
Corrected:	0.274	14.376	3.610

GP 2022 September 22
Initial System Bias Check

Date/Time:	9/22/2022	6:57:00
Result:	PASS	

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 2

Reference Cylinder IDs

	Low ID	Upscale ID	Span ID
O2	ALM-050814	EB0084144	CC719835
CO2	ALM-050814	EB0084144	CC719835

System Bias Check Results

Analyte:	O2	CO2
Units:	%	%
Span:	22	21.7
Range:	25	25
Method:	EPA 7E	EPA 7E
Low Cal:	0.035	0.151
Low Sys:	0.107	0.144
Low Bias:	0.3%	0.0%
Upscale Cal:	10.190	10.234
Upscale Sys:	10.097	10.092
Upscale Bias	-0.4%	-0.7%
Bias Result:	PASSED	PASSED

GP 2022 September 22 Run 1
Run 1 Final Bias & Drift Check
Date/Time: 9/22/2022 11:30:43
Result: PASS

Operator: J. Grizzle
Plant: Plant McIntosh
Location: Rincon, GA
Source ID: Unit 2

Reference Cylinder IDs

	Low ID	Upscale ID	Span ID
O2	ALM-050814	EB0084144	CC719835
CO2	ALM-050814	EB0084144	CC719835

System Bias Check Results

Analyte:	O2	CO2
Units:	%	%
Span:	22	21.7
Range:	25	25
Method:	EPA 7E	EPA 7E
Low Cal:	0.035	0.151
Low Sys:	0.131	0.135
Low Bias:	0.4%	-0.1%
Upscale Cal:	10.190	10.234
Upscale Sys:	10.148	10.082
Upscale Bias	-0.2%	-0.7%
Bias Result:	PASSED	PASSED

System Bias Drift Results

Low Drift:	0.1%	0.0%
Mid Drift:	0.2%	0.0%
Drift Result:	PASSED	PASSED
Cal Result:	OK	OK

Test Run 1 Bias Correction Calculations:

	O2	CO2
Low init:	0.107	0.144
Low final:	0.131	0.135
Mid Init:	10.097	10.092
Mid Final:	10.148	10.082
Run Avg:	14.669	3.752
Co:	0.119	0.139
Cm:	10.122	10.087
Coa:	0.000	0.000
Cma:	10.000	9.830
Corrected:	14.545	3.570

GP 2022 September 22 Run 2
Run 2 Final Bias & Drift Check
Date/Time: 9/22/2022 15:24:17
Result: PASS

Operator: J. Grizzle
Plant: Plant McIntosh
Location: Rincon, GA
Source ID: Unit 2

Reference Cylinder IDs

	Low ID	Upscale ID	Span ID
O2	ALM-050814	EB0084144	CC719835
CO2	ALM-050814	EB0084144	CC719835

System Bias Check Results

Analyte:	O2	CO2
Units:	%	%
Span:	22	21.7
Range:	25	25
Method:	EPA 7E	EPA 7E
Low Cal:	0.035	0.151
Low Sys:	0.110	0.127
Low Bias:	0.3%	-0.1%
Upscale Cal:	10.190	10.234
Upscale Sys:	10.110	10.029
Upscale Bias	-0.4%	-0.9%
Bias Result:	PASSED	PASSED

System Bias Drift Results

Low Drift:	-0.1%	0.0%
Mid Drift:	-0.2%	-0.2%
Drift Result:	PASSED	PASSED
Cal Result:	OK	OK

Test Run 2 Bias Correction Calculations:

	O2	CO2
Low init:	0.131	0.135
Low final:	0.110	0.127
Mid Init:	10.148	10.082
Mid Final:	10.110	10.029
Run Avg:	14.470	3.803
Co:	0.121	0.131
Cm:	10.129	10.056
Coa:	0.000	0.000
Cma:	10.000	9.830
Corrected:	14.337	3.637

GP 2022 September 22 Run 3
Run 3 Final Bias & Drift Check
Date/Time: 9/22/2022 19:22:50
Result: PASS

Operator: J. Grizzle
Plant: Plant McIntosh
Location: Rincon, GA
Source ID: Unit 2

Reference Cylinder IDs

	Low ID	Upscale ID	Span ID
O2	ALM-050814	EB0084144	CC719835
CO2	ALM-050814	EB0084144	CC719835

System Bias Check Results

Analyte:	O2	CO2
Units:	%	%
Span:	22	21.7
Range:	25	25
Method:	EPA 7E	EPA 7E
Low Cal:	0.035	0.151
Low Sys:	0.105	0.141
Low Bias:	0.3%	0.0%
Upscale Cal:	10.190	10.234
Upscale Sys:	10.083	10.030
Upscale Bias	-0.5%	-0.9%
Bias Result:	PASSED	PASSED

System Bias Drift Results

Low Drift:	0.0%	0.1%
Mid Drift:	-0.1%	0.0%
Drift Result:	PASSED	PASSED
Cal Result:	OK	OK

Test Run 3 Bias Correction Calculations:

	O2	CO2
Low init:	0.110	0.127
Low final:	0.105	0.141
Mid Init:	10.110	10.029
Mid Final:	10.083	10.030
Run Avg:	14.418	3.798
Co:	0.108	0.134
Cm:	10.097	10.029
Coa:	0.000	0.000
Cma:	10.000	9.830
Corrected:	14.326	3.640

GP 2022 September 26
Initial System Bias Check

Date/Time:	9/26/2022	7:18:26
Result:	PASS	
Operator:	J. Grizzle	
Plant:	Plant McIntosh	
Location:	Rincon, GA	
Source ID:	Unit 2	

Reference Cylinder IDs

	Low ID	Upscale ID	Span ID
CO	ALM-050814	EB0084144	CC719835
O2	ALM-050814	EB0084144	CC719835
CO2	ALM-050814	EB0084144	CC719835

System Bias Check Results

Analyte:	CO	O2	CO2
Units:	ppm	%	%
Span:	22.83	22	21.7
Range:	100	25	25
Method:	EPA 7E	EPA 7E	EPA 7E
Low Cal:	-0.043	0.036	0.145
Low Sys:	-0.025	0.097	0.158
Low Bias:	0.1%	0.3%	0.1%
Upscale Cal:	11.304	10.098	10.206
Upscale Sys:	11.206	10.037	10.090
Upscale Bias	-0.4%	-0.3%	-0.5%
Bias Result:	PASSED	PASSED	PASSED

GP 2022 September 26 Run 1
Run 1 Final Bias & Drift Check
Date/Time: 9/26/2022 9:14:31
Result: PASS

Operator: J. Grizzle
Plant: Plant McIntosh
Location: Rincon, GA
Source ID: Unit 2

Reference Cylinder IDs

	Low ID	Upscale ID	Span ID
CO	ALM-050814	CC463842	CC488035
O2	ALM-050814	EB0084144	CC719835
CO2	ALM-050814	EB0084144	CC719835

System Bias Check Results

Analyte:	CO	O2	CO2
Units:	ppm	%	%
Span:	22.83	22	21.7
Range:	100	25	25
Method:	EPA 7E	EPA 7E	EPA 7E
Low Cal:	-0.043	0.036	0.145
Low Sys:	-0.061	0.112	0.153
Low Bias:	-0.1%	0.3%	0.0%
Upscale Cal:	11.304	10.098	10.206
Upscale Sys:	11.290	10.079	10.117
Upscale Bias	-0.1%	-0.1%	-0.4%
Bias Result:	PASSED	PASSED	PASSED

System Bias Drift Results

Low Drift:	-0.2%	0.1%	0.0%
Mid Drift:	0.4%	0.2%	0.1%
Drift Result:	PASSED	PASSED	PASSED
Cal Result:	OK	OK	OK

Test Run 1 Bias Correction Calculations:

	CO	O2	CO2
Low init:	-0.025	0.097	0.158
Low final:	-0.061	0.112	0.153
Mid Init:	11.206	10.037	10.090
Mid Final:	11.290	10.079	10.117
Run Avg:	-0.129	14.503	4.748
Co:	-0.043	0.104	0.155
Cm:	11.248	10.058	10.104
Coa:	0.000	0.000	0.000
Cma:	11.600	10.000	9.830
Corrected:	-0.088	14.466	4.538

GP 2022 September 26 Run 2
Run 2 Final Bias & Drift Check
Date/Time: 9/26/2022 10:24:26
Result: PASS

Operator: J. Grizzle
Plant: Plant McIntosh
Location: Rincon, GA
Source ID: Unit 2

Reference Cylinder IDs

	Low ID	Upscale ID	Span ID
CO	ALM-050814	CC463842	CC488035
O2	ALM-050814	EB0084144	CC719835
CO2	ALM-050814	EB0084144	CC719835

System Bias Check Results

Analyte:	CO	O2	CO2
Units:	ppm	%	%
Span:	22.83	22	21.7
Range:	100	25	25
Method:	EPA 7E	EPA 7E	EPA 7E
Low Cal:	-0.043	0.036	0.145
Low Sys:	-0.028	0.108	0.141
Low Bias:	0.1%	0.3%	0.0%
Upscale Cal:	11.304	10.098	10.206
Upscale Sys:	11.322	10.073	10.086
Upscale Bias	0.1%	-0.1%	-0.6%
Bias Result:	PASSED	PASSED	PASSED

System Bias Drift Results

Low Drift:	0.1%	0.0%	-0.1%
Mid Drift:	0.1%	0.0%	-0.1%
Drift Result:	PASSED	PASSED	PASSED
Cal Result:	OK	OK	OK

Test Run 2 Bias Correction Calculations:

	CO	O2	CO2
Low init:	-0.061	0.112	0.153
Low final:	-0.028	0.108	0.141
Mid Init:	11.290	10.079	10.117
Mid Final:	11.322	10.073	10.086
Run Avg:	-0.119	14.467	4.779
Co:	-0.045	0.110	0.147
Cm:	11.306	10.076	10.102
Coa:	0.000	0.000	0.000
Cma:	11.600	10.000	9.830
Corrected:	-0.076	14.406	4.574

GP 2022 September 26 Run 3
Run 3 Final Bias & Drift Check

Date/Time:	9/26/2022	11:34:25
Result:	PASS	

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 2

Reference Cylinder IDs

	Low ID	Upscale ID	Span ID
CO	ALM-050814	CC463842	CC488035
O2	ALM-050814	EB0084144	CC719835
CO2	ALM-050814	EB0084144	CC719835

System Bias Check Results

Analyte:	CO	O2	CO2
Units:	ppm	%	%
Span:	22.83	22	21.7
Range:	100	25	25
Method:	EPA 7E	EPA 7E	EPA 7E
Low Cal:	-0.043	0.036	0.145
Low Sys:	-0.070	0.116	0.148
Low Bias:	-0.1%	0.4%	0.0%
Upscale Cal:	11.304	10.098	10.206
Upscale Sys:	11.350	10.033	10.079
Upscale Bias	0.2%	-0.3%	-0.6%
Bias Result:	PASSED	PASSED	PASSED

System Bias Drift Results

Low Drift:	-0.2%	0.0%	0.0%
Mid Drift:	0.1%	-0.2%	0.0%
Drift Result:	PASSED	PASSED	PASSED
Cal Result:	OK	OK	OK

Test Run 3 Bias Correction Calculations:

	CO	O2	CO2
Low init:	-0.028	0.108	0.141
Low final:	-0.070	0.116	0.148
Mid Init:	11.322	10.073	10.086
Mid Final:	11.350	10.033	10.079
Run Avg:	-0.083	14.390	4.805
Co:	-0.049	0.112	0.144
Cm:	11.336	10.053	10.083
Coa:	0.000	0.000	0.000
Cma:	11.600	10.000	9.830
Corrected:	-0.034	14.363	4.610

GP 2022 September 26 Run 4
Run 4 Final Bias & Drift Check

Date/Time:	9/26/2022	12:44:36
Result:	PASS	

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 2

Reference Cylinder IDs

	Low ID	Upscale ID	Span ID
CO	ALM-050814	CC463842	CC488035
O2	ALM-050814	EB0084144	CC719835
CO2	ALM-050814	EB0084144	CC719835

System Bias Check Results

Analyte:	CO	O2	CO2
Units:	ppm	%	%
Span:	22.83	22	21.7
Range:	100	25	25
Method:	EPA 7E	EPA 7E	EPA 7E
Low Cal:	-0.043	0.036	0.145
Low Sys:	-0.087	0.129	0.156
Low Bias:	-0.2%	0.4%	0.0%
Upscale Cal:	11.304	10.098	10.206
Upscale Sys:	11.326	10.028	10.069
Upscale Bias	0.1%	-0.3%	-0.6%
Bias Result:	PASSED	PASSED	PASSED

System Bias Drift Results

Low Drift:	-0.1%	0.1%	0.0%
Mid Drift:	-0.1%	0.0%	0.0%
Drift Result:	PASSED	PASSED	PASSED
Cal Result:	OK	OK	OK

Test Run 4 Bias Correction Calculations:

	CO	O2	CO2
Low init:	-0.070	0.116	0.148
Low final:	-0.087	0.129	0.156
Mid Init:	11.350	10.033	10.079
Mid Final:	11.326	10.028	10.069
Run Avg:	-0.071	14.341	4.816
Co:	-0.079	0.123	0.152
Cm:	11.338	10.030	10.074
Coa:	0.000	0.000	0.000
Cma:	11.600	10.000	9.830
Corrected:	0.007	14.351	4.621

GP 2022 September 26 Run 5
Run 5 Final Bias & Drift Check

Date/Time:	9/26/2022	13:55:05
Result:	PASS	

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 2

Reference Cylinder IDs

	Low ID	Upscale ID	Span ID
CO	ALM-050814	CC463842	CC488035
O2	ALM-050814	EB0084144	CC719835
CO2	ALM-050814	EB0084144	CC719835

System Bias Check Results

Analyte:	CO	O2	CO2
Units:	ppm	%	%
Span:	22.83	22	21.7
Range:	100	25	25
Method:	EPA 7E	EPA 7E	EPA 7E
Low Cal:	-0.043	0.036	0.145
Low Sys:	-0.004	0.126	0.162
Low Bias:	0.2%	0.4%	0.1%
Upscale Cal:	11.304	10.098	10.206
Upscale Sys:	11.406	10.007	10.047
Upscale Bias	0.4%	-0.4%	-0.7%
Bias Result:	PASSED	PASSED	PASSED

System Bias Drift Results

Low Drift:	0.4%	0.0%	0.0%
Mid Drift:	0.4%	-0.1%	-0.1%
Drift Result:	PASSED	PASSED	PASSED
Cal Result:	OK	OK	OK

Test Run 5 Bias Correction Calculations:

	CO	O2	CO2
Low init:	-0.087	0.129	0.156
Low final:	-0.004	0.126	0.162
Mid Init:	11.326	10.028	10.069
Mid Final:	11.406	10.007	10.047
Run Avg:	-0.072	14.311	4.820
Co:	-0.045	0.127	0.159
Cm:	11.366	10.017	10.058
Coa:	0.000	0.000	0.000
Cma:	11.600	10.000	9.830
Corrected:	-0.027	14.341	4.628

GP 2022 September 26 Run 6
Run 6 Final Bias & Drift Check

Date/Time:	9/26/2022	15:15:01
Result:	PASS	

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 2

Reference Cylinder IDs

	Low ID	Upscale ID	Span ID
CO	ALM-050814	CC463842	CC488035
O2	ALM-050814	EB0084144	CC719835
CO2	ALM-050814	EB0084144	CC719835

System Bias Check Results

Analyte:	CO	O2	CO2
Units:	ppm	%	%
Span:	22.83	22	21.7
Range:	100	25	25
Method:	EPA 7E	EPA 7E	EPA 7E
Low Cal:	-0.043	0.036	0.145
Low Sys:	-0.105	0.121	0.153
Low Bias:	-0.3%	0.4%	0.0%
Upscale Cal:	11.304	10.098	10.206
Upscale Sys:	11.203	9.995	10.051
Upscale Bias	-0.4%	-0.5%	-0.7%
Bias Result:	PASSED	PASSED	PASSED

System Bias Drift Results

Low Drift:	-0.4%	0.0%	0.0%
Mid Drift:	-0.9%	-0.1%	0.0%
Drift Result:	PASSED	PASSED	PASSED
Cal Result:	OK	OK	OK

Test Run 6 Bias Correction Calculations:

	CO	O2	CO2
Low init:	-0.004	0.126	0.162
Low final:	-0.105	0.121	0.153
Mid Init:	11.406	10.007	10.047
Mid Final:	11.203	9.995	10.051
Run Avg:	-0.063	14.277	4.828
Co:	-0.054	0.123	0.158
Cm:	11.305	10.001	10.049
Coa:	0.000	0.000	0.000
Cma:	11.600	10.000	9.830
Corrected:	-0.009	14.329	4.641

GP 2022 September 26 Run 7
Run 7 Final Bias & Drift Check

Date/Time:	9/26/2022	16:25:23
Result:	PASS	

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 2

Reference Cylinder IDs

	Low ID	Upscale ID	Span ID
CO	ALM-050814	CC463842	CC488035
O2	ALM-050814	EB0084144	CC719835
CO2	ALM-050814	EB0084144	CC719835

System Bias Check Results

Analyte:	CO	O2	CO2
Units:	ppm	%	%
Span:	22.83	22	21.7
Range:	100	25	25
Method:	EPA 7E	EPA 7E	EPA 7E
Low Cal:	-0.043	0.036	0.145
Low Sys:	-0.068	0.115	0.151
Low Bias:	-0.1%	0.4%	0.0%
Upscale Cal:	11.304	10.098	10.206
Upscale Sys:	11.305	9.993	10.020
Upscale Bias	0.0%	-0.5%	-0.9%
Bias Result:	PASSED	PASSED	PASSED

System Bias Drift Results

Low Drift:	0.2%	0.0%	0.0%
Mid Drift:	0.4%	0.0%	-0.1%
Drift Result:	PASSED	PASSED	PASSED
Cal Result:	OK	OK	OK

Test Run 7 Bias Correction Calculations:

	CO	O2	CO2
Low init:	-0.105	0.121	0.153
Low final:	-0.068	0.115	0.151
Mid Init:	11.203	9.995	10.051
Mid Final:	11.305	9.993	10.020
Run Avg:	-0.075	14.273	4.824
Co:	-0.087	0.118	0.152
Cm:	11.254	9.994	10.036
Coa:	0.000	0.000	0.000
Cma:	11.600	10.000	9.830
Corrected:	0.012	14.333	4.646

GP 2022 September 27
Initial System Bias Check

Date/Time:	9/27/2022	6:17:05
Result:	PASS	

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 2

Reference Cylinder IDs

	Low ID	Upscale ID	Span ID
O2	ALM-050814	EB0084144	CC719835
CO2	ALM-050814	EB0084144	CC719835

System Bias Check Results

Analyte:	O2	CO2
Units:	%	%
Span:	22	21.7
Range:	25	25
Method:	EPA 7E	EPA 7E
Low Cal:	0.048	0.124
Low Sys:	0.122	0.123
Low Bias:	0.3%	0.0%
Upscale Cal:	10.238	10.142
Upscale Sys:	10.101	10.033
Upscale Bias	-0.6%	-0.5%
Bias Result:	PASSED	PASSED

GP 2022 September 27 Run 1
Run 1 Final Bias & Drift Check
Date/Time: 9/27/2022 10:19:42
Result: PASS

Operator: J. Grizzle
Plant: Plant McIntosh
Location: Rincon, GA
Source ID: Unit 2

Reference Cylinder IDs

	Low ID	Upscale ID	Span ID
O2	ALM-050814	EB0084144	CC719835
CO2	ALM-050814	EB0084144	CC719835

System Bias Check Results

Analyte:	O2	CO2
Units:	%	%
Span:	22	21.7
Range:	25	25
Method:	EPA 7E	EPA 7E
Low Cal:	0.048	0.124
Low Sys:	0.154	0.137
Low Bias:	0.5%	0.1%
Upscale Cal:	10.238	10.142
Upscale Sys:	9.970	10.019
Upscale Bias	-1.2%	-0.6%
Bias Result:	PASSED	PASSED

System Bias Drift Results

Low Drift:	0.1%	0.1%
Mid Drift:	-0.6%	-0.1%
Drift Result:	PASSED	PASSED
Cal Result:	OK	OK

Test Run 1 Bias Correction Calculations:

	O2	CO2
Low init:	0.122	0.123
Low final:	0.154	0.137
Mid Init:	10.101	10.033
Mid Final:	9.970	10.019
Run Avg:	14.978	4.561
Co:	0.138	0.130
Cm:	10.035	10.026
Coa:	0.000	0.000
Cma:	10.000	9.830
Corrected:	14.994	4.402

GP 2022 September 27 Run 2
Run 2 Final Bias & Drift Check
Date/Time: 9/27/2022 13:48:08
Result: PASS

Operator: J. Grizzle
Plant: Plant McIntosh
Location: Rincon, GA
Source ID: Unit 2

Reference Cylinder IDs

	Low ID	Upscale ID	Span ID
O2	ALM-050814	EB0084144	CC719835
CO2	ALM-050814	EB0084144	CC719835

System Bias Check Results

Analyte:	O2	CO2
Units:	%	%
Span:	22	21.7
Range:	25	25
Method:	EPA 7E	EPA 7E
Low Cal:	0.048	0.124
Low Sys:	0.135	0.130
Low Bias:	0.4%	0.0%
Upscale Cal:	10.238	10.142
Upscale Sys:	10.124	10.027
Upscale Bias	-0.5%	-0.5%
Bias Result:	PASSED	PASSED

System Bias Drift Results

Low Drift:	-0.1%	0.0%
Mid Drift:	0.7%	0.0%
Drift Result:	PASSED	PASSED
Cal Result:	OK	OK

Test Run 2 Bias Correction Calculations:

	O2	CO2
Low init:	0.154	0.137
Low final:	0.135	0.130
Mid Init:	9.970	10.019
Mid Final:	10.124	10.027
Run Avg:	15.136	4.634
Co:	0.145	0.133
Cm:	10.047	10.023
Coa:	0.000	0.000
Cma:	10.000	9.830
Corrected:	15.139	4.474

GP 2022 September 27 Run 3
Run 3 Final Bias & Drift Check
Date/Time: 9/27/2022 17:28:19
Result: PASS

Operator: J. Grizzle
Plant: Plant McIntosh
Location: Rincon, GA
Source ID: Unit 2

Reference Cylinder IDs

	Low ID	Upscale ID	Span ID
O2	ALM-050814	EB0084144	CC719835
CO2	ALM-050814	EB0084144	CC719835

System Bias Check Results

Analyte:	O2	CO2
Units:	%	%
Span:	22	21.7
Range:	25	25
Method:	EPA 7E	EPA 7E
Low Cal:	0.048	0.124
Low Sys:	0.150	0.139
Low Bias:	0.5%	0.1%
Upscale Cal:	10.238	10.142
Upscale Sys:	10.266	10.059
Upscale Bias	0.1%	-0.4%
Bias Result:	PASSED	PASSED

System Bias Drift Results

Low Drift:	0.1%	0.0%
Mid Drift:	0.6%	0.1%
Drift Result:	PASSED	PASSED
Cal Result:	OK	OK

Test Run 3 Bias Correction Calculations:

	O2	CO2
Low init:	0.135	0.130
Low final:	0.150	0.139
Mid Init:	10.124	10.027
Mid Final:	10.266	10.059
Run Avg:	14.943	4.652
Co:	0.143	0.135
Cm:	10.195	10.043
Coa:	0.000	0.000
Cma:	10.000	9.830
Corrected:	14.723	4.482

Logged Data

GP 2022 September 14
Test Run 1

Start:	9/14/2022	7:15:00
End:	9/14/2022	11:52:50

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Time	Entry	O2 %	CO2 %
07:15:59	1min avg:	15.165	3.494
07:16:59	1min avg:	15.168	3.488
07:17:59	1min avg:	15.167	3.494
07:18:59	1min avg:	15.163	3.493
07:19:59	1min avg:	15.166	3.494
07:20:59	1min avg:	15.151	3.496
07:21:59	1min avg:	15.153	3.496
07:22:59	1min avg:	15.156	3.494
07:23:59	1min avg:	15.154	3.495
07:24:59	1min avg:	15.145	3.497
07:25:59	1min avg:	15.098	3.498
07:26:59	1min avg:	15.076	3.494
07:27:59	1min avg:	15.106	3.493
07:28:59	1min avg:	15.118	3.495
07:29:59	1min avg:	15.127	3.497
07:30:59	1min avg:	15.135	3.495
07:31:59	1min avg:	15.126	3.501
07:32:59	1min avg:	15.127	3.497
07:33:59	1min avg:	15.124	3.502
07:34:59	1min avg:	15.121	3.503
07:35:59	1min avg:	15.124	3.500
07:36:59	1min avg:	15.123	3.502
07:37:59	1min avg:	15.121	3.500
07:38:59	1min avg:	15.136	3.496
07:39:59	1min avg:	15.126	3.498
07:40:59	1min avg:	15.127	3.494
07:41:59	1min avg:	15.128	3.497
07:42:59	1min avg:	15.125	3.499
07:43:59	1min avg:	15.131	3.495
07:44:59	1min avg:	15.135	3.493
07:45:59	1min avg:	15.129	3.496
07:46:59	1min avg:	15.130	3.499
07:47:59	1min avg:	15.131	3.498
07:48:59	1min avg:	15.128	3.497
07:49:59	1min avg:	15.135	3.493
07:50:59	1min avg:	15.129	3.498
07:51:59	1min avg:	15.114	3.499
07:52:59	1min avg:	15.114	3.505
07:53:59	1min avg:	15.115	3.504
07:54:59	1min avg:	15.120	3.500
07:55:59	1min avg:	15.118	3.499
07:56:59	1min avg:	15.117	3.500

GP 2022 September 14
Test Run 1

Start:	9/14/2022	7:15:00
End:	9/14/2022	11:52:50

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Time	Entry	O2 %	CO2 %
07:57:59	1min avg:	15.124	3.497
07:58:59	1min avg:	15.129	3.491
07:59:59	1min avg:	15.114	3.499
08:00:59	1min avg:	15.133	3.491
08:01:59	1min avg:	15.116	3.499
08:02:59	1min avg:	15.118	3.497
08:03:59	1min avg:	15.127	3.495
08:04:59	1min avg:	15.123	3.493
08:05:59	1min avg:	15.125	3.499
08:06:59	1min avg:	15.118	3.502
08:07:59	1min avg:	15.115	3.504
08:08:59	1min avg:	15.128	3.500
08:09:59	1min avg:	15.121	3.505
08:10:59	1min avg:	15.126	3.497
08:11:59	1min avg:	15.130	3.498
08:12:59	1min avg:	15.127	3.497
08:13:59	1min avg:	15.125	3.500
08:14:59	1min avg:	15.126	3.500
08:15:59	1min avg:	15.112	3.506
08:16:59	1min avg:	15.118	3.500
08:17:59	1min avg:	15.109	3.506
08:18:59	1min avg:	15.110	3.502
08:19:59	1min avg:	15.109	3.504
08:20:59	1min avg:	15.105	3.505
08:21:59	1min avg:	15.107	3.503
08:22:59	1min avg:	15.115	3.505
08:23:59	1min avg:	15.106	3.508
08:24:59	1min avg:	15.101	3.508
08:25:59	1min avg:	15.109	3.509
08:26:59	1min avg:	15.103	3.509
08:27:59	1min avg:	15.118	3.501
08:28:59	1min avg:	15.111	3.506
08:29:59	1min avg:	15.107	3.506
08:30:59	1min avg:	15.103	3.509
08:31:59	1min avg:	15.097	3.514
08:32:59	1min avg:	15.102	3.513
08:33:59	1min avg:	15.110	3.507
08:34:59	1min avg:	15.101	3.512
08:35:59	1min avg:	15.098	3.511
08:36:59	1min avg:	15.102	3.511
08:37:59	1min avg:	15.100	3.514
08:38:59	1min avg:	15.115	3.504

GP 2022 September 14
Test Run 1

Start:	9/14/2022	7:15:00
End:	9/14/2022	11:52:50

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Time	Entry	O2 %	CO2 %
08:39:59	1min avg:	15.106	3.507
08:40:59	1min avg:	15.102	3.510
08:41:59	1min avg:	15.109	3.506
08:42:59	1min avg:	15.096	3.512
08:43:59	1min avg:	15.096	3.514
08:44:59	1min avg:	15.100	3.514
08:45:59	1min avg:	15.101	3.512
08:46:59	1min avg:	15.110	3.508
08:47:59	1min avg:	15.092	3.520
08:48:59	1min avg:	15.097	3.515
08:49:59	1min avg:	15.096	3.518
08:50:59	1min avg:	15.082	3.523
08:51:59	1min avg:	15.088	3.519
08:52:59	1min avg:	15.085	3.523
08:53:59	1min avg:	15.084	3.522
08:54:59	1min avg:	15.080	3.526
08:55:59	1min avg:	15.082	3.524
08:56:59	1min avg:	15.084	3.523
08:57:59	1min avg:	15.091	3.518
08:58:59	1min avg:	15.079	3.527
08:59:59	1min avg:	15.076	3.527
09:00:59	1min avg:	15.090	3.521
09:01:59	1min avg:	15.074	3.530
09:02:59	1min avg:	15.074	3.530
09:03:59	1min avg:	15.070	3.530
09:04:59	1min avg:	15.074	3.531
09:05:59	1min avg:	15.073	3.531
09:06:59	1min avg:	15.073	3.532
09:07:59	1min avg:	15.072	3.531
09:08:59	1min avg:	15.078	3.530
09:09:59	1min avg:	15.077	3.531
09:10:59	1min avg:	15.052	3.544
09:11:59	1min avg:	15.076	3.530
09:12:59	1min avg:	15.070	3.532
09:13:59	1min avg:	15.060	3.538
09:14:59	1min avg:	15.059	3.539
09:53:49	1min avg:	14.959	3.600
09:54:49	1min avg:	14.955	3.602
09:55:49	1min avg:	14.956	3.600
09:56:49	1min avg:	14.954	3.604
09:57:49	1min avg:	14.949	3.605
09:58:49	1min avg:	14.948	3.603

GP 2022 September 14
Test Run 1

Start:	9/14/2022	7:15:00
End:	9/14/2022	11:52:50

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Time	Entry	O2 %	CO2 %
09:59:49	1min avg:	14.950	3.603
10:00:49	1min avg:	14.955	3.600
10:01:49	1min avg:	14.964	3.592
10:02:49	1min avg:	14.952	3.605
10:03:49	1min avg:	14.934	3.609
10:04:49	1min avg:	14.931	3.605
10:05:49	1min avg:	14.919	3.611
10:06:49	1min avg:	14.923	3.607
10:07:49	1min avg:	14.931	3.603
10:08:49	1min avg:	14.934	3.607
10:09:49	1min avg:	14.943	3.606
10:10:49	1min avg:	14.943	3.605
10:11:49	1min avg:	14.940	3.601
10:12:49	1min avg:	14.929	3.611
10:13:49	1min avg:	14.932	3.610
10:14:49	1min avg:	14.929	3.612
10:15:49	1min avg:	14.930	3.610
10:16:49	1min avg:	14.922	3.616
10:17:49	1min avg:	14.927	3.613
10:18:49	1min avg:	14.934	3.615
10:19:49	1min avg:	14.917	3.622
10:20:49	1min avg:	14.924	3.622
10:21:49	1min avg:	14.931	3.614
10:22:49	1min avg:	14.927	3.619
10:23:49	1min avg:	14.927	3.615
10:24:49	1min avg:	14.932	3.613
10:25:49	1min avg:	14.938	3.611
10:26:49	1min avg:	14.920	3.619
10:27:49	1min avg:	14.923	3.614
10:28:49	1min avg:	14.926	3.613
10:29:49	1min avg:	14.911	3.618
10:30:49	1min avg:	14.915	3.615
10:31:49	1min avg:	14.900	3.625
10:32:49	1min avg:	14.913	3.620
10:33:49	1min avg:	14.915	3.618
10:34:49	1min avg:	14.917	3.618
10:35:49	1min avg:	14.920	3.618
10:36:49	1min avg:	14.923	3.620
10:37:49	1min avg:	14.923	3.617
10:38:49	1min avg:	14.922	3.621
10:39:49	1min avg:	14.912	3.626
10:40:49	1min avg:	14.907	3.629

GP 2022 September 14
Test Run 1

Start:	9/14/2022	7:15:00
End:	9/14/2022	11:52:50

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Time	Entry	O2 %	CO2 %
10:41:49	1min avg:	14.911	3.623
10:42:49	1min avg:	14.903	3.628
10:43:49	1min avg:	14.904	3.628
10:44:49	1min avg:	14.914	3.622
10:45:49	1min avg:	14.913	3.621
10:46:49	1min avg:	14.917	3.618
10:47:49	1min avg:	14.897	3.630
10:48:49	1min avg:	14.903	3.627
10:49:49	1min avg:	14.899	3.636
10:50:49	1min avg:	14.906	3.626
10:51:49	1min avg:	14.909	3.625
10:52:49	1min avg:	14.908	3.628
10:53:49	1min avg:	14.901	3.633
10:54:49	1min avg:	14.888	3.635
10:55:49	1min avg:	14.884	3.636
10:56:49	1min avg:	14.876	3.634
10:57:49	1min avg:	14.857	3.645
10:58:49	1min avg:	14.856	3.646
10:59:49	1min avg:	14.882	3.632
11:00:49	1min avg:	14.891	3.632
11:01:49	1min avg:	14.882	3.638
11:02:49	1min avg:	14.885	3.637
11:03:49	1min avg:	14.895	3.634
11:04:49	1min avg:	14.883	3.640
11:05:49	1min avg:	14.877	3.640
11:06:49	1min avg:	14.867	3.648
11:07:49	1min avg:	14.862	3.646
11:08:49	1min avg:	14.873	3.644
11:09:49	1min avg:	14.870	3.644
11:10:49	1min avg:	14.859	3.651
11:11:49	1min avg:	14.877	3.642
11:12:49	1min avg:	14.881	3.641
11:13:49	1min avg:	14.896	3.633
11:14:49	1min avg:	14.891	3.639
11:15:49	1min avg:	14.894	3.637
11:16:49	1min avg:	14.902	3.635
11:17:49	1min avg:	14.884	3.643
11:18:49	1min avg:	14.868	3.649
11:19:49	1min avg:	14.861	3.651
11:20:49	1min avg:	14.869	3.648
11:21:49	1min avg:	14.886	3.638
11:22:49	1min avg:	14.882	3.637

GP 2022 September 14
Test Run 1

Start:	9/14/2022	7:15:00
End:	9/14/2022	11:52:50

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Time	Entry	O2 %	CO2 %
11:23:49	1min avg:	14.878	3.642
11:24:49	1min avg:	14.859	3.646
11:25:49	1min avg:	14.852	3.652
11:26:49	1min avg:	14.858	3.650
11:27:49	1min avg:	14.869	3.646
11:28:49	1min avg:	14.868	3.648
11:29:49	1min avg:	14.877	3.644
11:30:49	1min avg:	14.885	3.645
11:31:49	1min avg:	14.890	3.641
11:32:49	1min avg:	14.874	3.643
11:33:49	1min avg:	14.861	3.650
11:34:49	1min avg:	14.872	3.644
11:35:49	1min avg:	14.850	3.654
11:36:49	1min avg:	14.846	3.651
11:37:49	1min avg:	14.859	3.646
11:38:49	1min avg:	14.853	3.653
11:39:49	1min avg:	14.851	3.651
11:40:49	1min avg:	14.848	3.653
11:41:49	1min avg:	14.847	3.651
11:42:49	1min avg:	14.848	3.650
11:43:49	1min avg:	14.847	3.649
11:44:49	1min avg:	14.848	3.650
11:45:49	1min avg:	14.834	3.656
11:46:49	1min avg:	14.830	3.660
11:47:49	1min avg:	14.847	3.653
11:48:49	1min avg:	14.856	3.651
11:49:49	1min avg:	14.842	3.659
11:50:49	1min avg:	14.860	3.644
11:51:49	1min avg:	14.860	3.651
11:52:49	1min avg:	14.860	3.653
11:52:50	Test Avgs:	15.004	3.568

GP 2022 September 14
Test Run 2

Start:	9/14/2022	12:16:03
End:	9/14/2022	16:51:22

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Time	Entry	O2 %	CO2 %
12:17:03	1min avg:	14.823	3.662
12:18:03	1min avg:	14.850	3.650
12:19:03	1min avg:	14.855	3.652
12:20:03	1min avg:	14.847	3.656
12:21:03	1min avg:	14.867	3.646
12:22:03	1min avg:	14.857	3.650
12:23:03	1min avg:	14.858	3.647
12:24:03	1min avg:	14.861	3.645
12:25:03	1min avg:	14.864	3.642
12:26:03	1min avg:	14.859	3.647
12:27:03	1min avg:	14.848	3.646
12:28:03	1min avg:	14.844	3.650
12:29:03	1min avg:	14.841	3.654
12:30:03	1min avg:	14.816	3.665
12:31:03	1min avg:	14.824	3.662
12:32:03	1min avg:	14.833	3.656
12:33:03	1min avg:	14.816	3.664
12:34:03	1min avg:	14.820	3.664
12:35:03	1min avg:	14.820	3.668
12:36:03	1min avg:	14.827	3.653
12:37:03	1min avg:	14.813	3.663
12:38:03	1min avg:	14.840	3.646
12:39:03	1min avg:	14.833	3.652
12:40:03	1min avg:	14.851	3.647
12:41:03	1min avg:	14.852	3.649
12:42:03	1min avg:	14.866	3.645
12:43:03	1min avg:	14.854	3.648
12:44:03	1min avg:	14.854	3.651
12:45:03	1min avg:	14.859	3.643
12:46:03	1min avg:	14.857	3.644
12:47:03	1min avg:	14.843	3.652
12:48:03	1min avg:	14.834	3.658
12:49:03	1min avg:	14.827	3.659
12:50:03	1min avg:	14.843	3.652
12:51:03	1min avg:	14.841	3.653
12:52:03	1min avg:	14.831	3.656
12:53:03	1min avg:	14.833	3.650
12:54:03	1min avg:	14.835	3.654
12:55:03	1min avg:	14.817	3.663
12:56:03	1min avg:	14.838	3.650
12:57:03	1min avg:	14.839	3.650
12:58:03	1min avg:	14.836	3.653

GP 2022 September 14
Test Run 2

Start:	9/14/2022	12:16:03
End:	9/14/2022	16:51:22

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Time	Entry	O2 %	CO2 %
12:59:03	1min avg:	14.828	3.656
13:00:03	1min avg:	14.840	3.648
13:01:03	1min avg:	14.852	3.645
13:02:03	1min avg:	14.841	3.650
13:03:03	1min avg:	14.831	3.656
13:04:03	1min avg:	14.846	3.649
13:05:03	1min avg:	14.845	3.654
13:06:03	1min avg:	14.841	3.652
13:07:03	1min avg:	14.829	3.656
13:08:03	1min avg:	14.818	3.661
13:09:03	1min avg:	14.821	3.660
13:10:03	1min avg:	14.825	3.658
13:11:03	1min avg:	14.824	3.659
13:12:03	1min avg:	14.831	3.657
13:13:03	1min avg:	14.818	3.664
13:14:03	1min avg:	14.824	3.660
13:15:03	1min avg:	14.834	3.653
13:16:03	1min avg:	14.838	3.653
13:17:03	1min avg:	14.843	3.649
13:18:03	1min avg:	14.847	3.653
13:19:03	1min avg:	14.845	3.652
13:20:03	1min avg:	14.846	3.649
13:21:03	1min avg:	14.849	3.648
13:22:03	1min avg:	14.854	3.646
13:23:03	1min avg:	14.830	3.654
13:24:03	1min avg:	14.815	3.661
13:25:03	1min avg:	14.804	3.667
13:26:03	1min avg:	14.816	3.663
13:27:03	1min avg:	14.810	3.662
13:28:03	1min avg:	14.814	3.661
13:29:03	1min avg:	14.819	3.658
13:30:03	1min avg:	14.815	3.656
13:31:03	1min avg:	14.822	3.653
13:32:03	1min avg:	14.821	3.652
13:33:03	1min avg:	14.816	3.652
13:34:03	1min avg:	14.830	3.647
13:35:03	1min avg:	14.820	3.654
13:36:03	1min avg:	14.813	3.657
13:37:03	1min avg:	14.802	3.663
13:38:03	1min avg:	14.800	3.662
13:39:03	1min avg:	14.808	3.663
13:40:03	1min avg:	14.831	3.652

GP 2022 September 14
Test Run 2

Start:	9/14/2022	12:16:03
End:	9/14/2022	16:51:22

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Time	Entry	O2 %	CO2 %
13:41:03	1min avg:	14.800	3.668
13:42:03	1min avg:	14.803	3.668
13:43:03	1min avg:	14.801	3.665
13:44:03	1min avg:	14.794	3.667
13:45:03	1min avg:	14.808	3.659
13:46:03	1min avg:	14.796	3.669
13:47:03	1min avg:	14.802	3.662
13:48:03	1min avg:	14.805	3.662
13:49:03	1min avg:	14.782	3.671
13:50:03	1min avg:	14.797	3.666
13:51:03	1min avg:	14.795	3.662
13:52:03	1min avg:	14.792	3.664
13:53:03	1min avg:	14.793	3.664
13:54:03	1min avg:	14.785	3.673
13:55:03	1min avg:	14.802	3.664
13:56:03	1min avg:	14.802	3.666
13:57:03	1min avg:	14.794	3.672
13:58:03	1min avg:	14.808	3.666
13:59:03	1min avg:	14.799	3.665
14:00:03	1min avg:	14.784	3.674
14:01:03	1min avg:	14.797	3.664
14:02:03	1min avg:	14.803	3.661
14:03:03	1min avg:	14.802	3.662
14:04:03	1min avg:	14.801	3.664
14:05:03	1min avg:	14.799	3.663
14:06:03	1min avg:	14.806	3.663
14:07:03	1min avg:	14.802	3.663
14:08:03	1min avg:	14.784	3.669
14:09:03	1min avg:	14.787	3.670
14:10:03	1min avg:	14.805	3.659
14:11:03	1min avg:	14.814	3.659
14:12:03	1min avg:	14.812	3.659
14:13:03	1min avg:	14.800	3.665
14:14:03	1min avg:	14.797	3.666
14:15:03	1min avg:	14.791	3.667
14:16:03	1min avg:	14.788	3.666
14:38:49	1min avg:	14.843	3.641
14:39:49	1min avg:	14.840	3.644
14:40:49	1min avg:	14.845	3.643
14:41:49	1min avg:	14.829	3.649
14:42:49	1min avg:	14.821	3.650
14:43:49	1min avg:	14.843	3.638

GP 2022 September 14
Test Run 2

Start:	9/14/2022	12:16:03
End:	9/14/2022	16:51:22

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Time	Entry	O2 %	CO2 %
14:44:49	1min avg:	14.830	3.645
14:45:49	1min avg:	14.829	3.642
14:46:49	1min avg:	14.826	3.646
14:47:49	1min avg:	14.824	3.648
14:48:49	1min avg:	14.829	3.643
14:49:49	1min avg:	14.820	3.649
14:50:49	1min avg:	14.807	3.658
14:51:49	1min avg:	14.817	3.653
14:52:49	1min avg:	14.839	3.642
14:53:49	1min avg:	14.846	3.640
14:54:49	1min avg:	14.858	3.639
14:55:49	1min avg:	14.843	3.646
14:56:49	1min avg:	14.851	3.638
14:57:49	1min avg:	14.846	3.638
14:58:49	1min avg:	14.839	3.641
14:59:49	1min avg:	14.835	3.641
15:00:49	1min avg:	14.843	3.635
15:01:49	1min avg:	14.834	3.643
15:02:49	1min avg:	14.818	3.649
15:03:49	1min avg:	14.815	3.651
15:04:49	1min avg:	14.818	3.642
15:05:49	1min avg:	14.814	3.647
15:06:49	1min avg:	14.814	3.650
15:07:49	1min avg:	14.813	3.646
15:08:49	1min avg:	14.825	3.645
15:09:49	1min avg:	14.822	3.647
15:10:49	1min avg:	14.822	3.646
15:11:49	1min avg:	14.814	3.653
15:12:49	1min avg:	14.803	3.657
15:13:49	1min avg:	14.791	3.665
15:14:49	1min avg:	14.810	3.656
15:15:49	1min avg:	14.822	3.651
15:16:49	1min avg:	14.819	3.651
15:17:49	1min avg:	14.828	3.645
15:18:49	1min avg:	14.824	3.648
15:19:49	1min avg:	14.824	3.651
15:20:49	1min avg:	14.816	3.655
15:21:49	1min avg:	14.827	3.648
15:22:49	1min avg:	14.837	3.642
15:23:49	1min avg:	14.837	3.648
15:24:49	1min avg:	14.837	3.644
15:25:49	1min avg:	14.825	3.649

GP 2022 September 14
Test Run 2

Start:	9/14/2022	12:16:03
End:	9/14/2022	16:51:22

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Time	Entry	O2 %	CO2 %
15:26:49	1min avg:	14.820	3.653
15:27:49	1min avg:	14.815	3.656
15:28:49	1min avg:	14.811	3.655
15:29:49	1min avg:	14.806	3.653
15:30:49	1min avg:	14.815	3.651
15:45:21	1min avg:	14.908	3.610
15:46:21	1min avg:	14.890	3.617
15:47:21	1min avg:	14.867	3.631
15:48:21	1min avg:	14.868	3.632
15:49:21	1min avg:	14.856	3.639
15:50:21	1min avg:	14.858	3.637
15:51:21	1min avg:	14.853	3.633
15:52:21	1min avg:	14.857	3.634
15:53:21	1min avg:	14.851	3.638
15:54:21	1min avg:	14.837	3.645
15:55:21	1min avg:	14.837	3.642
15:56:21	1min avg:	14.835	3.648
15:57:21	1min avg:	14.824	3.653
15:58:21	1min avg:	14.845	3.639
15:59:21	1min avg:	14.843	3.639
16:00:21	1min avg:	14.846	3.637
16:01:21	1min avg:	14.844	3.640
16:02:21	1min avg:	14.844	3.636
16:03:21	1min avg:	14.850	3.636
16:04:21	1min avg:	14.850	3.638
16:05:21	1min avg:	14.835	3.644
16:06:21	1min avg:	14.834	3.646
16:07:21	1min avg:	14.843	3.643
16:08:21	1min avg:	14.851	3.640
16:09:21	1min avg:	14.854	3.636
16:10:21	1min avg:	14.847	3.642
16:11:21	1min avg:	14.851	3.639
16:12:21	1min avg:	14.845	3.645
16:13:21	1min avg:	14.840	3.644
16:14:21	1min avg:	14.852	3.639
16:15:21	1min avg:	14.850	3.643
16:16:21	1min avg:	14.841	3.645
16:17:21	1min avg:	14.852	3.641
16:18:21	1min avg:	14.849	3.641
16:19:21	1min avg:	14.847	3.641
16:20:21	1min avg:	14.842	3.644
16:21:21	1min avg:	14.862	3.637

GP 2022 September 14
Test Run 2

Start:	9/14/2022	12:16:03
End:	9/14/2022	16:51:22

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Time	Entry	O2 %	CO2 %
16:22:21	1min avg:	14.859	3.637
16:23:21	1min avg:	14.850	3.644
16:24:21	1min avg:	14.849	3.642
16:25:21	1min avg:	14.868	3.634
16:26:21	1min avg:	14.854	3.639
16:27:21	1min avg:	14.859	3.635
16:28:21	1min avg:	14.856	3.641
16:29:21	1min avg:	14.859	3.638
16:30:21	1min avg:	14.859	3.636
16:31:21	1min avg:	14.858	3.640
16:32:21	1min avg:	14.855	3.639
16:33:21	1min avg:	14.846	3.644
16:34:21	1min avg:	14.864	3.633
16:35:21	1min avg:	14.860	3.637
16:36:21	1min avg:	14.849	3.648
16:37:21	1min avg:	14.849	3.643
16:38:21	1min avg:	14.846	3.646
16:39:21	1min avg:	14.857	3.644
16:40:21	1min avg:	14.857	3.642
16:41:21	1min avg:	14.861	3.640
16:42:21	1min avg:	14.866	3.638
16:43:21	1min avg:	14.865	3.640
16:44:21	1min avg:	14.863	3.639
16:45:21	1min avg:	14.873	3.634
16:46:21	1min avg:	14.863	3.642
16:47:21	1min avg:	14.848	3.648
16:48:21	1min avg:	14.865	3.637
16:49:21	1min avg:	14.857	3.644
16:50:21	1min avg:	14.861	3.642
16:51:21	1min avg:	14.856	3.640
16:51:22	Test Avgs:	14.832	3.650

GP 2022 September 14
Test Run 3
Start: 9/15/2022 7:36:00
End: 9/15/2022 8:51:00

Operator: J. Grizzle
Plant: Plant McIntosh
Location: Rincon, GA
Source ID: Unit 1

Time	Entry	CO ppm	O2 %	CO2 %
07:37:00	1min avg:	-0.017	15.184	3.477
07:38:00	1min avg:	-0.010	15.180	3.484
07:39:00	1min avg:	-0.029	15.184	3.482
07:40:00	1min avg:	-0.025	15.180	3.485
07:41:00	1min avg:	-0.017	15.187	3.484
07:42:00	1min avg:	-0.014	15.190	3.483
07:43:00	1min avg:	-0.030	15.183	3.486
07:44:00	1min avg:	-0.033	15.177	3.485
07:45:00	1min avg:	-0.050	15.174	3.494
07:46:00	1min avg:	-0.004	15.188	3.489
07:47:00	1min avg:	-0.021	15.175	3.490
07:48:00	1min avg:	-0.039	15.188	3.489
07:49:00	1min avg:	-0.054	15.184	3.492
07:50:00	1min avg:	-0.040	15.178	3.492
07:51:00	1min avg:	-0.052	15.177	3.494
07:52:00	1min avg:	-0.028	15.173	3.493
07:53:00	1min avg:	-0.050	15.172	3.499
07:54:00	1min avg:	-0.054	15.164	3.504
07:55:00	1min avg:	-0.041	15.171	3.497
07:56:00	1min avg:	-0.046	15.176	3.493
07:57:00	1min avg:	-0.042	15.167	3.497
07:58:00	1min avg:	-0.017	15.169	3.498
07:59:00	1min avg:	-0.034	15.166	3.499
08:00:00	1min avg:	-0.040	15.166	3.497
08:01:00	1min avg:	-0.041	15.167	3.499
08:02:00	1min avg:	-0.038	15.165	3.502
08:03:00	1min avg:	-0.043	15.157	3.500
08:04:00	1min avg:	-0.037	15.153	3.505
08:05:00	1min avg:	-0.024	15.154	3.503
08:06:00	1min avg:	-0.042	15.159	3.505
08:07:00	1min avg:	-0.057	15.158	3.503
08:08:00	1min avg:	-0.027	15.153	3.503
08:09:00	1min avg:	-0.044	15.159	3.501
08:10:00	1min avg:	-0.042	15.166	3.499
08:11:00	1min avg:	-0.047	15.151	3.508
08:12:00	1min avg:	-0.031	15.152	3.507
08:13:00	1min avg:	-0.025	15.146	3.510
08:14:00	1min avg:	-0.033	15.145	3.511
08:15:00	1min avg:	-0.063	15.145	3.510
08:16:00	1min avg:	-0.032	15.156	3.508
08:17:00	1min avg:	-0.034	15.148	3.511
08:18:00	1min avg:	-0.041	15.147	3.511
08:19:00	1min avg:	-0.036	15.152	3.506
08:20:00	1min avg:	-0.037	15.141	3.514
08:21:00	1min avg:	-0.057	15.143	3.512
08:22:00	1min avg:	-0.056	15.149	3.511
08:23:00	1min avg:	0.006	15.140	3.515
08:24:00	1min avg:	-0.038	15.140	3.511
08:25:00	1min avg:	-0.032	15.136	3.517
08:26:00	1min avg:	-0.062	15.137	3.517
08:27:00	1min avg:	-0.050	15.140	3.514
08:28:00	1min avg:	-0.072	15.140	3.516
08:29:00	1min avg:	-0.059	15.135	3.520
08:30:00	1min avg:	-0.062	15.136	3.515
08:31:00	1min avg:	-0.052	15.128	3.521
08:32:00	1min avg:	-0.032	15.134	3.516
08:33:00	1min avg:	-0.033	15.129	3.520
08:34:00	1min avg:	-0.034	15.127	3.521
08:35:00	1min avg:	-0.055	15.122	3.525
08:36:00	1min avg:	-0.058	15.134	3.518
08:37:00	1min avg:	-0.034	15.139	3.519
08:38:00	1min avg:	-0.057	15.138	3.518
08:39:00	1min avg:	-0.047	15.142	3.517
08:40:00	1min avg:	-0.036	15.131	3.521
08:41:00	1min avg:	-0.047	15.124	3.522
08:42:00	1min avg:	-0.069	15.125	3.521
08:43:00	1min avg:	-0.039	15.115	3.527
08:44:00	1min avg:	-0.031	15.120	3.526
08:45:00	1min avg:	-0.052	15.122	3.528
08:46:00	1min avg:	-0.040	15.115	3.530
08:47:00	1min avg:	-0.031	15.110	3.529
08:48:00	1min avg:	-0.058	15.120	3.526
08:49:00	1min avg:	-0.038	15.118	3.529
08:50:00	1min avg:	-0.059	15.113	3.532
08:51:00	1min avg:	-0.025	15.108	3.531
08:51:00	Test Avgs:	-0.040	15.151	3.507

GP 2022 September 14
Test Run 4

Start:	9/15/2022	9:20:00
End:	9/15/2022	10:20:00

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Time	Entry	CO ppm	O2 %	CO2 %
09:21:00	1min avg:	-0.026	15.078	3.551
09:22:00	1min avg:	-0.035	15.081	3.547
09:23:00	1min avg:	-0.033	15.084	3.551
09:24:00	1min avg:	-0.055	15.088	3.546
09:25:00	1min avg:	-0.033	15.081	3.551
09:26:00	1min avg:	-0.068	15.073	3.553
09:27:00	1min avg:	-0.032	15.091	3.543
09:28:00	1min avg:	-0.049	15.087	3.547
09:29:00	1min avg:	-0.063	15.080	3.550
09:30:00	1min avg:	-0.051	15.085	3.550
09:31:00	1min avg:	-0.038	15.078	3.550
09:32:00	1min avg:	-0.064	15.072	3.554
09:33:00	1min avg:	-0.045	15.066	3.551
09:34:00	1min avg:	-0.069	15.062	3.559
09:35:00	1min avg:	-0.093	15.077	3.553
09:36:00	1min avg:	-0.044	15.093	3.546
09:37:00	1min avg:	-0.062	15.081	3.551
09:38:00	1min avg:	-0.060	15.070	3.556
09:39:00	1min avg:	-0.057	15.081	3.547
09:40:00	1min avg:	-0.074	15.082	3.547
09:41:00	1min avg:	-0.079	15.077	3.549
09:42:00	1min avg:	-0.083	15.078	3.550
09:43:00	1min avg:	-0.079	15.078	3.550
09:44:00	1min avg:	-0.071	15.076	3.553
09:45:00	1min avg:	-0.080	15.078	3.551
09:46:00	1min avg:	-0.063	15.062	3.561
09:47:00	1min avg:	-0.089	15.072	3.552
09:48:00	1min avg:	-0.056	15.071	3.555
09:49:00	1min avg:	-0.089	15.075	3.554
09:50:00	1min avg:	-0.077	15.068	3.561
09:51:00	1min avg:	-0.079	15.063	3.559
09:52:00	1min avg:	-0.096	15.071	3.557
09:53:00	1min avg:	-0.063	15.072	3.555
09:54:00	1min avg:	-0.073	15.060	3.561
09:55:00	1min avg:	-0.086	15.072	3.554
09:56:00	1min avg:	-0.098	15.075	3.556
09:57:00	1min avg:	-0.083	15.064	3.559
09:58:00	1min avg:	-0.084	15.064	3.560
09:59:00	1min avg:	-0.096	15.074	3.556
10:00:00	1min avg:	-0.082	15.075	3.556
10:01:00	1min avg:	-0.066	15.062	3.561
10:02:00	1min avg:	-0.077	15.062	3.565
10:03:00	1min avg:	-0.088	15.076	3.554
10:04:00	1min avg:	-0.089	15.069	3.560
10:05:00	1min avg:	-0.083	15.061	3.563
10:06:00	1min avg:	-0.084	15.051	3.568
10:07:00	1min avg:	-0.091	15.057	3.568
10:08:00	1min avg:	-0.098	15.060	3.560
10:09:00	1min avg:	-0.112	15.062	3.563
10:10:00	1min avg:	-0.099	15.058	3.561
10:11:00	1min avg:	-0.084	15.055	3.562
10:12:00	1min avg:	-0.076	15.052	3.563
10:13:00	1min avg:	-0.082	15.052	3.562
10:14:00	1min avg:	-0.094	15.042	3.571
10:15:00	1min avg:	-0.089	15.045	3.568
10:16:00	1min avg:	-0.078	15.048	3.570
10:17:00	1min avg:	-0.095	15.048	3.568
10:18:00	1min avg:	-0.035	15.039	3.573
10:19:00	1min avg:	-0.075	15.052	3.567
10:20:00	1min avg:	-0.067	15.053	3.565
10:20:00	Test Avgs:	-0.072	15.069	3.557

GP 2022 September 14
Test Run 5

Start:	9/15/2022	10:30:25
End:	9/15/2022	11:30:25

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Time	Entry	CO ppm	O2 %	CO2 %
10:31:25	1min avg:	0.379	15.034	3.586
10:32:25	1min avg:	0.339	15.034	3.580
10:33:25	1min avg:	0.294	15.021	3.587
10:34:25	1min avg:	0.211	15.014	3.586
10:35:25	1min avg:	0.470	15.021	3.584
10:36:25	1min avg:	0.425	15.016	3.590
10:37:25	1min avg:	-0.075	15.034	3.574
10:38:25	1min avg:	-0.094	15.022	3.578
10:39:25	1min avg:	-0.116	15.023	3.581
10:40:25	1min avg:	-0.093	15.001	3.591
10:41:25	1min avg:	-0.106	15.025	3.580
10:42:25	1min avg:	-0.126	15.037	3.572
10:43:25	1min avg:	-0.100	15.027	3.574
10:44:25	1min avg:	-0.129	15.025	3.577
10:45:25	1min avg:	-0.067	15.023	3.581
10:46:25	1min avg:	-0.088	15.012	3.588
10:47:25	1min avg:	-0.107	15.025	3.579
10:48:25	1min avg:	-0.131	15.028	3.570
10:49:25	1min avg:	-0.085	15.031	3.573
10:50:25	1min avg:	-0.122	15.022	3.577
10:51:25	1min avg:	-0.105	15.031	3.576
10:52:25	1min avg:	-0.067	15.025	3.577
10:53:25	1min avg:	0.345	14.997	3.594
10:54:25	1min avg:	0.370	15.011	3.589
10:55:25	1min avg:	-0.069	15.017	3.582
10:56:25	1min avg:	-0.091	15.016	3.582
10:57:25	1min avg:	-0.109	15.014	3.586
10:58:25	1min avg:	-0.121	15.013	3.583
10:59:25	1min avg:	-0.103	15.019	3.583
11:00:25	1min avg:	-0.095	15.013	3.584
11:01:25	1min avg:	0.220	15.006	3.589
11:02:25	1min avg:	0.035	15.003	3.588
11:03:25	1min avg:	-0.090	15.015	3.584
11:04:25	1min avg:	-0.075	15.015	3.582
11:05:25	1min avg:	-0.104	15.026	3.580
11:06:25	1min avg:	-0.074	15.025	3.580
11:07:25	1min avg:	-0.108	15.031	3.575
11:08:25	1min avg:	-0.107	15.032	3.575
11:09:25	1min avg:	-0.135	15.029	3.573
11:10:25	1min avg:	-0.103	15.026	3.575
11:11:25	1min avg:	-0.087	15.015	3.582
11:12:25	1min avg:	-0.129	15.023	3.579
11:13:25	1min avg:	-0.070	15.019	3.579
11:14:25	1min avg:	-0.115	15.022	3.580
11:15:25	1min avg:	-0.141	15.019	3.582
11:16:25	1min avg:	-0.097	15.008	3.584
11:17:25	1min avg:	-0.057	15.029	3.576
11:18:25	1min avg:	-0.105	15.028	3.575
11:19:25	1min avg:	-0.083	15.009	3.582
11:20:25	1min avg:	-0.108	15.021	3.577
11:21:25	1min avg:	-0.126	15.014	3.581
11:22:25	1min avg:	-0.120	15.020	3.579
11:23:25	1min avg:	-0.127	15.021	3.577
11:24:25	1min avg:	-0.113	15.001	3.586
11:25:25	1min avg:	-0.139	15.024	3.575
11:26:25	1min avg:	-0.089	15.011	3.585
11:27:25	1min avg:	-0.067	15.011	3.581
11:28:25	1min avg:	-0.140	15.011	3.582
11:29:25	1min avg:	-0.111	15.028	3.574
11:30:25	1min avg:	-0.124	15.016	3.581
11:30:25	Test Avgs:	-0.034	15.020	3.581

GP 2022 September 14
Test Run 6

Start:	9/15/2022	11:48:00
End:	9/15/2022	12:48:00

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Time	Entry	CO ppm	O2 %	CO2 %
11:49:00	1min avg:	0.107	14.980	3.594
11:50:00	1min avg:	-0.020	15.004	3.582
11:51:00	1min avg:	-0.104	15.000	3.584
11:52:00	1min avg:	-0.091	14.977	3.593
11:53:00	1min avg:	0.062	14.987	3.587
11:54:00	1min avg:	0.478	14.978	3.592
11:55:00	1min avg:	0.209	14.977	3.592
11:56:00	1min avg:	-0.090	15.004	3.580
11:57:00	1min avg:	0.045	14.985	3.586
11:58:00	1min avg:	-0.008	14.988	3.592
11:59:00	1min avg:	-0.100	14.986	3.588
12:00:00	1min avg:	-0.129	14.990	3.587
12:01:00	1min avg:	-0.133	14.992	3.587
12:02:00	1min avg:	-0.133	14.991	3.584
12:03:00	1min avg:	0.233	14.981	3.591
12:04:00	1min avg:	0.451	14.978	3.590
12:05:00	1min avg:	0.006	14.990	3.582
12:06:00	1min avg:	0.357	14.987	3.585
12:07:00	1min avg:	0.902	14.973	3.594
12:08:00	1min avg:	1.006	14.980	3.592
12:09:00	1min avg:	0.310	14.989	3.584
12:10:00	1min avg:	-0.127	14.985	3.587
12:11:00	1min avg:	-0.125	14.989	3.579
12:12:00	1min avg:	-0.075	14.975	3.589
12:13:00	1min avg:	0.109	14.981	3.589
12:14:00	1min avg:	0.522	14.964	3.598
12:15:00	1min avg:	0.493	14.967	3.591
12:16:00	1min avg:	0.587	14.969	3.594
12:17:00	1min avg:	0.431	14.955	3.600
12:18:00	1min avg:	-0.111	14.993	3.580
12:19:00	1min avg:	-0.136	14.991	3.580
12:20:00	1min avg:	-0.131	14.978	3.589
12:21:00	1min avg:	-0.154	14.985	3.586
12:22:00	1min avg:	-0.151	14.993	3.585
12:23:00	1min avg:	-0.151	14.988	3.588
12:24:00	1min avg:	-0.146	14.985	3.581
12:25:00	1min avg:	-0.145	14.975	3.592
12:26:00	1min avg:	-0.155	14.999	3.578
12:27:00	1min avg:	-0.116	14.991	3.584
12:28:00	1min avg:	-0.135	14.973	3.591
12:29:00	1min avg:	-0.137	15.003	3.575
12:30:00	1min avg:	-0.141	14.997	3.582
12:31:00	1min avg:	-0.155	14.991	3.582
12:32:00	1min avg:	-0.137	14.998	3.580
12:33:00	1min avg:	-0.130	14.995	3.578
12:34:00	1min avg:	-0.173	14.987	3.582
12:35:00	1min avg:	-0.135	14.987	3.584
12:36:00	1min avg:	-0.156	14.976	3.589
12:37:00	1min avg:	-0.137	14.980	3.582
12:38:00	1min avg:	-0.141	14.990	3.580
12:39:00	1min avg:	-0.147	14.967	3.595
12:40:00	1min avg:	-0.156	14.978	3.589
12:41:00	1min avg:	-0.147	15.000	3.575
12:42:00	1min avg:	-0.164	14.998	3.585
12:43:00	1min avg:	-0.142	14.985	3.588
12:44:00	1min avg:	-0.153	14.988	3.581
12:45:00	1min avg:	-0.162	14.987	3.586
12:46:00	1min avg:	-0.138	14.989	3.582
12:47:00	1min avg:	-0.131	14.986	3.581
12:48:00	1min avg:	-0.125	14.992	3.579
12:48:00	Test Avgs:	0.012	14.985	3.586

GP 2022 September 14
Test Run 7

Start:	9/15/2022	13:11:00
End:	9/15/2022	14:11:00

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Time	Entry	CO ppm	O2 %	CO2 %
13:12:00	1min avg:	-0.157	14.956	3.602
13:13:00	1min avg:	-0.106	14.974	3.589
13:14:00	1min avg:	0.245	14.961	3.595
13:15:00	1min avg:	-0.087	14.957	3.598
13:16:00	1min avg:	-0.136	14.966	3.595
13:17:00	1min avg:	-0.130	14.964	3.595
13:18:00	1min avg:	0.154	14.949	3.605
13:19:00	1min avg:	-0.017	14.959	3.600
13:20:00	1min avg:	-0.126	14.983	3.584
13:21:00	1min avg:	-0.157	14.978	3.587
13:22:00	1min avg:	-0.159	14.991	3.585
13:23:00	1min avg:	-0.148	14.985	3.588
13:24:00	1min avg:	-0.146	15.002	3.579
13:25:00	1min avg:	-0.137	14.978	3.587
13:26:00	1min avg:	-0.145	14.965	3.594
13:27:00	1min avg:	-0.114	14.984	3.584
13:28:00	1min avg:	-0.154	14.987	3.582
13:29:00	1min avg:	-0.106	14.982	3.584
13:30:00	1min avg:	-0.134	14.972	3.584
13:31:00	1min avg:	-0.118	14.966	3.587
13:32:00	1min avg:	-0.116	14.965	3.590
13:33:00	1min avg:	-0.124	14.960	3.592
13:34:00	1min avg:	-0.151	14.955	3.597
13:35:00	1min avg:	-0.161	14.972	3.586
13:36:00	1min avg:	-0.159	14.967	3.589
13:37:00	1min avg:	-0.131	14.965	3.591
13:38:00	1min avg:	-0.136	14.971	3.589
13:39:00	1min avg:	-0.123	14.970	3.587
13:40:00	1min avg:	-0.138	14.971	3.588
13:41:00	1min avg:	-0.140	14.963	3.597
13:42:00	1min avg:	-0.153	14.957	3.594
13:43:00	1min avg:	-0.162	14.965	3.596
13:44:00	1min avg:	-0.129	14.966	3.596
13:45:00	1min avg:	-0.133	14.974	3.591
13:46:00	1min avg:	-0.110	14.974	3.587
13:47:00	1min avg:	-0.110	14.962	3.589
13:48:00	1min avg:	-0.126	14.975	3.586
13:49:00	1min avg:	-0.114	14.946	3.595
13:50:00	1min avg:	-0.136	14.971	3.589
13:51:00	1min avg:	-0.141	14.949	3.594
13:52:00	1min avg:	-0.112	14.945	3.603
13:53:00	1min avg:	-0.100	14.956	3.596
13:54:00	1min avg:	-0.112	14.962	3.591
13:55:00	1min avg:	0.304	14.939	3.604
13:56:00	1min avg:	0.611	14.947	3.602
13:57:00	1min avg:	0.682	14.947	3.604
13:58:00	1min avg:	0.195	14.940	3.604
13:59:00	1min avg:	-0.103	14.946	3.600
14:00:00	1min avg:	-0.131	14.958	3.591
14:01:00	1min avg:	-0.131	14.971	3.590
14:02:00	1min avg:	-0.096	14.968	3.594
14:03:00	1min avg:	-0.097	14.953	3.593
14:04:00	1min avg:	-0.121	14.971	3.590
14:05:00	1min avg:	-0.075	14.952	3.595
14:06:00	1min avg:	0.059	14.951	3.593
14:07:00	1min avg:	-0.090	14.954	3.592
14:08:00	1min avg:	-0.121	14.946	3.599
14:09:00	1min avg:	-0.106	14.923	3.604
14:10:00	1min avg:	-0.111	14.947	3.600
14:11:00	1min avg:	-0.159	14.964	3.592
14:11:00	Test Avgs:	-0.073	14.963	3.593

GP 2022 September 14
Test Run 8

Start:	9/15/2022	14:42:00
End:	9/15/2022	15:42:00

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Time	Entry	CO ppm	O2 %	CO2 %
14:43:00	1min avg:	-0.136	14.931	3.604
14:44:00	1min avg:	-0.183	14.952	3.595
14:45:00	1min avg:	-0.154	14.960	3.593
14:46:00	1min avg:	-0.157	14.949	3.596
14:47:00	1min avg:	-0.166	14.938	3.597
14:48:00	1min avg:	-0.185	14.949	3.597
14:49:00	1min avg:	-0.135	14.958	3.591
14:50:00	1min avg:	-0.159	14.931	3.599
14:51:00	1min avg:	-0.177	14.949	3.595
14:52:00	1min avg:	-0.161	14.936	3.599
14:53:00	1min avg:	-0.151	14.940	3.597
14:54:00	1min avg:	-0.167	14.941	3.597
14:55:00	1min avg:	-0.161	14.962	3.587
14:56:00	1min avg:	-0.178	14.949	3.593
14:57:00	1min avg:	-0.205	14.946	3.594
14:58:00	1min avg:	-0.171	14.934	3.602
14:59:00	1min avg:	-0.153	14.946	3.597
15:00:00	1min avg:	-0.177	14.948	3.592
15:01:00	1min avg:	-0.176	14.946	3.593
15:02:00	1min avg:	-0.205	14.945	3.595
15:03:00	1min avg:	-0.165	14.945	3.593
15:04:00	1min avg:	-0.172	14.940	3.594
15:05:00	1min avg:	-0.148	14.954	3.590
15:06:00	1min avg:	-0.158	14.951	3.594
15:07:00	1min avg:	-0.156	14.954	3.589
15:08:00	1min avg:	-0.161	14.942	3.600
15:09:00	1min avg:	-0.185	14.970	3.586
15:10:00	1min avg:	-0.194	14.969	3.586
15:11:00	1min avg:	-0.175	14.971	3.586
15:12:00	1min avg:	-0.171	14.975	3.585
15:13:00	1min avg:	-0.169	14.959	3.590
15:14:00	1min avg:	-0.174	14.940	3.602
15:15:00	1min avg:	-0.143	14.936	3.598
15:16:00	1min avg:	-0.179	14.941	3.588
15:17:00	1min avg:	-0.161	14.931	3.595
15:18:00	1min avg:	0.020	14.940	3.598
15:19:00	1min avg:	0.221	14.934	3.601
15:20:00	1min avg:	0.087	14.946	3.595
15:21:00	1min avg:	0.041	14.930	3.601
15:22:00	1min avg:	-0.042	14.950	3.593
15:23:00	1min avg:	-0.055	14.948	3.594
15:24:00	1min avg:	-0.114	14.942	3.592
15:25:00	1min avg:	-0.155	14.953	3.590
15:26:00	1min avg:	-0.167	14.955	3.588
15:27:00	1min avg:	-0.167	14.953	3.587
15:28:00	1min avg:	-0.117	14.945	3.592
15:29:00	1min avg:	-0.158	14.948	3.592
15:30:00	1min avg:	-0.170	14.946	3.589
15:31:00	1min avg:	-0.179	14.943	3.596
15:32:00	1min avg:	-0.178	14.947	3.594
15:33:00	1min avg:	-0.117	14.926	3.602
15:34:00	1min avg:	-0.130	14.946	3.594
15:35:00	1min avg:	-0.174	14.936	3.596
15:36:00	1min avg:	-0.175	14.945	3.594
15:37:00	1min avg:	-0.175	14.940	3.596
15:38:00	1min avg:	-0.194	14.957	3.589
15:39:00	1min avg:	-0.174	14.931	3.596
15:40:00	1min avg:	-0.172	14.954	3.587
15:41:00	1min avg:	-0.191	14.954	3.591
15:42:00	1min avg:	-0.183	14.936	3.599
15:42:00	Test Avgs:	-0.145	14.947	3.594

GP 2022 September 14
Test Run 9
Start: 9/15/2022 16:11:00
End: 9/15/2022 17:11:00

Operator: J. Grizzle
Plant: Plant McIntosh
Location: Rincon, GA
Source ID: Unit 1

Time	Entry	CO ppm	O2 %	CO2 %
16:12:00	1min avg:	-0.137	14.941	3.597
16:13:00	1min avg:	-0.122	14.957	3.592
16:14:00	1min avg:	-0.168	14.960	3.591
16:15:00	1min avg:	-0.167	14.941	3.597
16:16:00	1min avg:	-0.176	14.954	3.589
16:17:00	1min avg:	-0.170	14.944	3.592
16:18:00	1min avg:	-0.196	14.959	3.589
16:19:00	1min avg:	-0.179	14.951	3.591
16:20:00	1min avg:	-0.167	14.953	3.594
16:21:00	1min avg:	-0.191	14.959	3.591
16:22:00	1min avg:	-0.148	14.951	3.593
16:23:00	1min avg:	-0.169	14.957	3.592
16:24:00	1min avg:	-0.150	14.941	3.597
16:25:00	1min avg:	-0.165	14.956	3.588
16:26:00	1min avg:	-0.190	14.945	3.596
16:27:00	1min avg:	-0.163	14.946	3.598
16:28:00	1min avg:	-0.152	14.946	3.593
16:29:00	1min avg:	-0.149	14.956	3.594
16:30:00	1min avg:	-0.051	14.962	3.592
16:31:00	1min avg:	-0.175	14.962	3.589
16:32:00	1min avg:	-0.173	14.965	3.591
16:33:00	1min avg:	-0.169	14.958	3.587
16:34:00	1min avg:	-0.024	14.964	3.591
16:35:00	1min avg:	-0.117	14.970	3.585
16:36:00	1min avg:	-0.161	14.952	3.592
16:37:00	1min avg:	-0.194	14.964	3.589
16:38:00	1min avg:	-0.180	14.954	3.590
16:39:00	1min avg:	-0.137	14.952	3.592
16:40:00	1min avg:	-0.139	14.956	3.596
16:41:00	1min avg:	-0.131	14.954	3.590
16:42:00	1min avg:	-0.141	14.960	3.592
16:43:00	1min avg:	-0.166	14.952	3.593
16:44:00	1min avg:	-0.193	14.952	3.596
16:45:00	1min avg:	-0.171	14.953	3.595
16:46:00	1min avg:	-0.161	14.959	3.593
16:47:00	1min avg:	-0.164	14.968	3.589
16:48:00	1min avg:	-0.168	14.958	3.590
16:49:00	1min avg:	-0.183	14.978	3.582
16:50:00	1min avg:	-0.193	14.981	3.584
16:51:00	1min avg:	-0.180	14.961	3.589
16:52:00	1min avg:	-0.179	14.978	3.585
16:53:00	1min avg:	-0.198	14.983	3.582
16:54:00	1min avg:	-0.177	14.976	3.582
16:55:00	1min avg:	-0.177	14.975	3.584
16:56:00	1min avg:	-0.183	14.991	3.577
16:57:00	1min avg:	-0.167	14.983	3.579
16:58:00	1min avg:	-0.184	14.991	3.581
16:59:00	1min avg:	-0.172	14.979	3.576
17:00:00	1min avg:	-0.199	14.992	3.580
17:01:00	1min avg:	-0.170	14.987	3.577
17:02:00	1min avg:	-0.179	14.985	3.579
17:03:00	1min avg:	-0.163	14.984	3.579
17:04:00	1min avg:	-0.156	14.988	3.580
17:05:00	1min avg:	-0.189	14.972	3.586
17:06:00	1min avg:	-0.172	14.979	3.581
17:07:00	1min avg:	-0.168	14.972	3.587
17:08:00	1min avg:	-0.161	14.972	3.583
17:09:00	1min avg:	-0.179	14.977	3.586
17:10:00	1min avg:	-0.180	14.963	3.590
17:11:00	1min avg:	-0.169	14.971	3.585
17:11:00	Test Avgs:	-0.164	14.964	3.588

GP 2022 September 14
Test Run 10

Start:	9/15/2022	17:29:00
End:	9/15/2022	18:29:00

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Time	Entry	CO ppm	O2 %	CO2 %
17:29:59	1min avg:	-0.194	14.964	3.595
17:30:59	1min avg:	-0.164	14.961	3.597
17:31:59	1min avg:	-0.180	14.976	3.591
17:32:59	1min avg:	-0.194	14.971	3.590
17:33:59	1min avg:	-0.135	14.959	3.596
17:34:59	1min avg:	-0.170	14.974	3.586
17:35:59	1min avg:	-0.201	14.968	3.591
17:36:59	1min avg:	-0.176	14.969	3.594
17:37:59	1min avg:	-0.174	14.975	3.586
17:38:59	1min avg:	-0.200	14.981	3.588
17:39:59	1min avg:	-0.177	14.970	3.587
17:40:59	1min avg:	-0.186	14.978	3.583
17:41:59	1min avg:	-0.215	14.977	3.590
17:42:59	1min avg:	-0.178	14.964	3.594
17:43:59	1min avg:	-0.202	14.978	3.588
17:44:59	1min avg:	-0.190	14.966	3.590
17:45:59	1min avg:	-0.196	14.972	3.592
17:46:59	1min avg:	-0.182	14.960	3.593
17:47:59	1min avg:	-0.192	14.980	3.584
17:48:59	1min avg:	-0.165	14.982	3.588
17:49:59	1min avg:	-0.172	14.980	3.588
17:50:59	1min avg:	-0.137	14.969	3.590
17:51:59	1min avg:	-0.148	14.990	3.582
17:52:59	1min avg:	-0.200	14.987	3.589
17:53:59	1min avg:	-0.189	14.972	3.589
17:54:59	1min avg:	-0.193	14.988	3.584
17:55:59	1min avg:	-0.177	14.991	3.585
17:56:59	1min avg:	-0.186	14.981	3.587
17:57:59	1min avg:	-0.208	14.999	3.580
17:58:59	1min avg:	-0.185	14.985	3.583
17:59:59	1min avg:	-0.218	14.998	3.583
18:00:59	1min avg:	-0.235	14.998	3.578
18:01:59	1min avg:	-0.217	14.995	3.580
18:02:59	1min avg:	-0.195	15.004	3.577
18:03:59	1min avg:	-0.160	14.987	3.579
18:04:59	1min avg:	-0.213	15.004	3.581
18:05:59	1min avg:	-0.213	14.989	3.579
18:06:59	1min avg:	-0.194	15.012	3.575
18:07:59	1min avg:	-0.212	15.005	3.576
18:08:59	1min avg:	-0.212	15.003	3.579
18:09:59	1min avg:	-0.196	15.006	3.579
18:10:59	1min avg:	-0.186	14.997	3.578
18:11:59	1min avg:	-0.189	15.004	3.576
18:12:59	1min avg:	-0.208	15.026	3.570
18:13:59	1min avg:	-0.203	15.025	3.565
18:14:59	1min avg:	-0.199	15.016	3.570
18:15:59	1min avg:	-0.238	15.017	3.569
18:16:59	1min avg:	-0.223	15.020	3.566
18:17:59	1min avg:	-0.212	15.025	3.564
18:18:59	1min avg:	-0.229	15.030	3.562
18:19:59	1min avg:	-0.228	15.022	3.565
18:20:59	1min avg:	-0.198	15.018	3.568
18:21:59	1min avg:	-0.212	15.013	3.572
18:22:59	1min avg:	-0.229	15.017	3.569
18:23:59	1min avg:	-0.209	15.019	3.566
18:24:59	1min avg:	-0.215	15.027	3.565
18:25:59	1min avg:	-0.246	15.037	3.557
18:26:59	1min avg:	-0.212	15.035	3.560
18:27:59	1min avg:	-0.210	15.035	3.559
18:28:59	1min avg:	-0.222	15.035	3.557
18:29:00	Test Avgs:	-0.197	14.995	3.580

GP 2022 September 16
Test Run 1

Start:	9/16/2022	8:00:00
End:	9/16/2022	12:20:00

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Time	Entry	O2 %	CO2 %
08:00:59	1min avg:	14.892	3.497
08:01:59	1min avg:	14.876	3.502
08:02:59	1min avg:	14.877	3.502
08:03:59	1min avg:	14.884	3.502
08:04:59	1min avg:	14.890	3.495
08:05:59	1min avg:	14.886	3.499
08:06:59	1min avg:	14.875	3.504
08:07:59	1min avg:	14.875	3.502
08:08:59	1min avg:	14.871	3.506
08:09:59	1min avg:	14.864	3.512
08:10:59	1min avg:	14.870	3.506
08:11:59	1min avg:	14.861	3.514
08:12:59	1min avg:	14.877	3.506
08:13:59	1min avg:	14.869	3.513
08:14:59	1min avg:	14.866	3.512
08:15:59	1min avg:	14.874	3.508
08:16:59	1min avg:	14.864	3.514
08:17:59	1min avg:	14.865	3.511
08:18:59	1min avg:	14.866	3.512
08:19:59	1min avg:	14.861	3.514
08:20:59	1min avg:	14.872	3.510
08:21:59	1min avg:	14.858	3.516
08:22:59	1min avg:	14.850	3.519
08:23:59	1min avg:	14.866	3.510
08:24:59	1min avg:	14.859	3.513
08:25:59	1min avg:	14.853	3.518
08:26:59	1min avg:	14.852	3.518
08:27:59	1min avg:	14.849	3.523
08:28:59	1min avg:	14.848	3.520
08:29:59	1min avg:	14.841	3.528
08:30:59	1min avg:	14.833	3.531
08:31:59	1min avg:	14.854	3.518
08:32:59	1min avg:	14.841	3.526
08:33:59	1min avg:	14.845	3.526
08:34:59	1min avg:	14.837	3.527
08:35:59	1min avg:	14.835	3.527
08:36:59	1min avg:	14.844	3.521
08:37:59	1min avg:	14.841	3.522
08:38:59	1min avg:	14.836	3.528
08:39:59	1min avg:	14.831	3.529
08:40:59	1min avg:	14.828	3.531
08:41:59	1min avg:	14.827	3.528
08:42:59	1min avg:	14.829	3.531
08:43:59	1min avg:	14.822	3.534
08:44:59	1min avg:	14.830	3.528
08:45:59	1min avg:	14.825	3.533
08:46:59	1min avg:	14.822	3.532

GP 2022 September 16
Test Run 1

Start:	9/16/2022	8:00:00
End:	9/16/2022	12:20:00

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Time	Entry	O2 %	CO2 %
08:47:59	1min avg:	14.818	3.534
08:48:59	1min avg:	14.816	3.536
08:49:59	1min avg:	14.824	3.530
08:50:59	1min avg:	14.818	3.535
08:51:59	1min avg:	14.814	3.538
08:52:59	1min avg:	14.823	3.533
08:53:59	1min avg:	14.818	3.536
08:54:59	1min avg:	14.816	3.535
08:55:59	1min avg:	14.816	3.534
08:56:59	1min avg:	14.806	3.543
08:57:59	1min avg:	14.806	3.541
08:58:59	1min avg:	14.812	3.539
08:59:59	1min avg:	14.805	3.542
09:00:59	1min avg:	14.823	3.533
09:01:59	1min avg:	14.810	3.542
09:02:59	1min avg:	14.818	3.537
09:03:59	1min avg:	14.823	3.535
09:04:59	1min avg:	14.819	3.536
09:05:59	1min avg:	14.814	3.538
09:06:59	1min avg:	14.813	3.542
09:07:59	1min avg:	14.812	3.542
09:08:59	1min avg:	14.803	3.544
09:09:59	1min avg:	14.809	3.545
09:10:59	1min avg:	14.801	3.548
09:11:59	1min avg:	14.806	3.544
09:12:59	1min avg:	14.806	3.546
09:13:59	1min avg:	14.799	3.550
09:14:59	1min avg:	14.805	3.544
09:15:59	1min avg:	14.807	3.548
09:16:59	1min avg:	14.804	3.545
09:17:59	1min avg:	14.807	3.545
09:18:59	1min avg:	14.801	3.548
09:19:59	1min avg:	14.806	3.545
09:20:59	1min avg:	14.806	3.546
09:21:59	1min avg:	14.788	3.554
09:22:59	1min avg:	14.799	3.548
09:23:59	1min avg:	14.799	3.548
09:24:59	1min avg:	14.796	3.552
09:25:59	1min avg:	14.809	3.543
09:26:59	1min avg:	14.805	3.548
09:27:59	1min avg:	14.799	3.548
09:28:59	1min avg:	14.806	3.547
09:29:59	1min avg:	14.802	3.550
09:30:59	1min avg:	14.798	3.553
09:31:59	1min avg:	14.796	3.552
09:32:59	1min avg:	14.796	3.552
09:33:59	1min avg:	14.801	3.551

GP 2022 September 16
Test Run 1

Start:	9/16/2022	8:00:00
End:	9/16/2022	12:20:00

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Time	Entry	O2 %	CO2 %
09:34:59	1min avg:	14.810	3.547
09:35:59	1min avg:	14.807	3.549
09:36:59	1min avg:	14.807	3.548
09:37:59	1min avg:	14.810	3.547
09:38:59	1min avg:	14.791	3.559
09:39:59	1min avg:	14.795	3.553
09:40:59	1min avg:	14.792	3.557
09:41:59	1min avg:	14.785	3.562
09:42:59	1min avg:	14.787	3.556
09:43:59	1min avg:	14.799	3.554
09:44:59	1min avg:	14.784	3.560
09:45:59	1min avg:	14.787	3.558
09:46:59	1min avg:	14.803	3.551
09:47:59	1min avg:	14.786	3.560
09:48:59	1min avg:	14.791	3.557
09:49:59	1min avg:	14.783	3.564
09:50:59	1min avg:	14.781	3.564
09:51:59	1min avg:	14.788	3.559
09:52:59	1min avg:	14.788	3.560
09:53:59	1min avg:	14.775	3.567
09:54:59	1min avg:	14.793	3.554
09:55:59	1min avg:	14.789	3.559
09:56:59	1min avg:	14.777	3.564
09:57:59	1min avg:	14.783	3.561
09:58:59	1min avg:	14.778	3.564
09:59:59	1min avg:	14.774	3.563
10:00:59	1min avg:	14.774	3.562
10:01:59	1min avg:	14.766	3.567
10:02:59	1min avg:	14.776	3.562
10:03:59	1min avg:	14.776	3.563
10:04:59	1min avg:	14.771	3.567
10:05:59	1min avg:	14.773	3.562
10:06:59	1min avg:	14.786	3.557
10:07:59	1min avg:	14.783	3.559
10:08:59	1min avg:	14.775	3.561
10:09:59	1min avg:	14.781	3.561
10:10:59	1min avg:	14.787	3.558
10:11:59	1min avg:	14.767	3.566
10:12:59	1min avg:	14.763	3.568
10:13:59	1min avg:	14.764	3.567
10:14:59	1min avg:	14.771	3.566
10:15:59	1min avg:	14.788	3.555
10:16:59	1min avg:	14.770	3.567
10:17:59	1min avg:	14.776	3.564
10:18:59	1min avg:	14.778	3.562
10:19:59	1min avg:	14.777	3.561
10:20:59	1min avg:	14.767	3.565

GP 2022 September 16
Test Run 1

Start:	9/16/2022	8:00:00
End:	9/16/2022	12:20:00

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Time	Entry	O2 %	CO2 %
10:21:59	1min avg:	14.762	3.568
10:22:59	1min avg:	14.775	3.564
10:23:59	1min avg:	14.766	3.565
10:24:59	1min avg:	14.770	3.565
10:25:59	1min avg:	14.771	3.566
10:26:59	1min avg:	14.761	3.568
10:27:59	1min avg:	14.769	3.566
10:28:59	1min avg:	14.764	3.569
10:29:59	1min avg:	14.772	3.565
10:30:59	1min avg:	14.774	3.563
10:31:59	1min avg:	14.770	3.563
10:32:59	1min avg:	14.757	3.570
10:33:59	1min avg:	14.758	3.570
10:34:59	1min avg:	14.772	3.560
10:35:59	1min avg:	14.751	3.573
10:36:59	1min avg:	14.756	3.573
10:37:59	1min avg:	14.762	3.570
10:38:59	1min avg:	14.763	3.569
10:39:59	1min avg:	14.746	3.577
10:40:59	1min avg:	14.759	3.570
10:41:59	1min avg:	14.770	3.563
10:42:59	1min avg:	14.766	3.569
10:43:59	1min avg:	14.770	3.565
10:44:59	1min avg:	14.772	3.565
10:45:59	1min avg:	14.761	3.570
10:46:59	1min avg:	14.762	3.572
10:47:59	1min avg:	14.752	3.574
10:48:59	1min avg:	14.753	3.576
10:49:59	1min avg:	14.755	3.575
10:50:59	1min avg:	14.756	3.573
10:51:59	1min avg:	14.752	3.576
10:52:59	1min avg:	14.760	3.569
10:53:59	1min avg:	14.753	3.573
10:54:59	1min avg:	14.734	3.584
10:55:59	1min avg:	14.744	3.578
10:56:59	1min avg:	14.754	3.576
10:57:59	1min avg:	14.761	3.569
10:58:59	1min avg:	14.746	3.574
10:59:59	1min avg:	14.748	3.574
11:00:59	1min avg:	14.743	3.579
11:01:59	1min avg:	14.732	3.585
11:02:59	1min avg:	14.734	3.582
11:03:59	1min avg:	14.736	3.583
11:04:59	1min avg:	14.739	3.581
11:05:59	1min avg:	14.742	3.586
11:06:59	1min avg:	14.738	3.585
11:07:59	1min avg:	14.739	3.580

GP 2022 September 16
Test Run 1

Start:	9/16/2022	8:00:00
End:	9/16/2022	12:20:00

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Time	Entry	O2 %	CO2 %
11:08:59	1min avg:	14.728	3.584
11:09:59	1min avg:	14.736	3.576
11:10:59	1min avg:	14.739	3.573
11:11:59	1min avg:	14.752	3.565
11:12:59	1min avg:	14.753	3.567
11:13:59	1min avg:	14.732	3.575
11:14:59	1min avg:	14.744	3.573
11:15:59	1min avg:	14.746	3.568
11:16:59	1min avg:	14.749	3.569
11:17:59	1min avg:	14.747	3.573
11:18:59	1min avg:	14.758	3.567
11:19:59	1min avg:	14.754	3.570
11:20:59	1min avg:	14.750	3.572
11:21:59	1min avg:	14.759	3.569
11:22:59	1min avg:	14.756	3.572
11:23:59	1min avg:	14.746	3.578
11:24:59	1min avg:	14.762	3.570
11:25:59	1min avg:	14.759	3.568
11:26:59	1min avg:	14.758	3.571
11:27:59	1min avg:	14.763	3.568
11:28:59	1min avg:	14.758	3.572
11:29:59	1min avg:	14.748	3.576
11:30:59	1min avg:	14.749	3.574
11:31:59	1min avg:	14.755	3.573
11:32:59	1min avg:	14.753	3.573
11:33:59	1min avg:	14.747	3.576
11:34:59	1min avg:	14.758	3.573
11:35:59	1min avg:	14.744	3.579
11:36:59	1min avg:	14.738	3.583
11:37:59	1min avg:	14.736	3.581
11:38:59	1min avg:	14.741	3.579
11:39:59	1min avg:	14.744	3.575
11:40:59	1min avg:	14.740	3.577
11:41:59	1min avg:	14.754	3.570
11:42:59	1min avg:	14.748	3.576
11:43:59	1min avg:	14.751	3.573
11:44:59	1min avg:	14.740	3.580
11:45:59	1min avg:	14.742	3.578
11:46:59	1min avg:	14.740	3.578
11:47:59	1min avg:	14.755	3.572
11:48:59	1min avg:	14.744	3.578
11:49:59	1min avg:	14.743	3.577
11:50:59	1min avg:	14.745	3.576
11:51:59	1min avg:	14.746	3.576
11:52:59	1min avg:	14.730	3.582
11:53:59	1min avg:	14.740	3.579
11:54:59	1min avg:	14.738	3.578

GP 2022 September 16
Test Run 1

Start:	9/16/2022	8:00:00
End:	9/16/2022	12:20:00

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Time	Entry	O2 %	CO2 %
11:55:59	1min avg:	14.735	3.579
11:56:59	1min avg:	14.726	3.587
11:57:59	1min avg:	14.742	3.578
11:58:59	1min avg:	14.740	3.579
11:59:59	1min avg:	14.745	3.575
12:00:59	1min avg:	14.749	3.572
12:01:59	1min avg:	14.739	3.579
12:02:59	1min avg:	14.743	3.577
12:03:59	1min avg:	14.742	3.581
12:04:59	1min avg:	14.741	3.583
12:05:59	1min avg:	14.734	3.583
12:06:59	1min avg:	14.737	3.583
12:07:59	1min avg:	14.725	3.586
12:08:59	1min avg:	14.722	3.588
12:09:59	1min avg:	14.731	3.579
12:10:59	1min avg:	14.744	3.576
12:11:59	1min avg:	14.740	3.575
12:12:59	1min avg:	14.723	3.585
12:13:59	1min avg:	14.706	3.597
12:14:59	1min avg:	14.719	3.590
12:15:59	1min avg:	14.724	3.583
12:16:59	1min avg:	14.740	3.578
12:17:59	1min avg:	14.736	3.581
12:18:59	1min avg:	14.736	3.579
12:19:59	1min avg:	14.733	3.582
12:20:00	Test Avgs:	14.785	3.556

GP 2022 September 16
Test Run 2

Start:	9/16/2022	12:37:03
End:	9/16/2022	16:07:03

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Time	Entry	O2 %	CO2 %
12:38:02	1min avg:	14.686	3.595
12:39:02	1min avg:	14.694	3.591
12:40:02	1min avg:	14.700	3.589
12:41:02	1min avg:	14.699	3.591
12:42:02	1min avg:	14.700	3.591
12:43:02	1min avg:	14.703	3.588
12:44:02	1min avg:	14.696	3.592
12:45:02	1min avg:	14.690	3.591
12:46:02	1min avg:	14.682	3.593
12:47:02	1min avg:	14.691	3.589
12:48:02	1min avg:	14.679	3.597
12:49:02	1min avg:	14.687	3.595
12:50:02	1min avg:	14.687	3.601
12:51:02	1min avg:	14.686	3.599
12:52:02	1min avg:	14.688	3.599
12:53:02	1min avg:	14.687	3.602
12:54:02	1min avg:	14.675	3.601
12:55:02	1min avg:	14.669	3.601
12:56:02	1min avg:	14.682	3.591
12:57:02	1min avg:	14.667	3.600
12:58:02	1min avg:	14.661	3.605
12:59:02	1min avg:	14.666	3.599
13:00:02	1min avg:	14.674	3.596
13:01:02	1min avg:	14.671	3.598
13:02:02	1min avg:	14.672	3.594
13:03:02	1min avg:	14.678	3.597
13:04:02	1min avg:	14.677	3.597
13:05:02	1min avg:	14.683	3.596
13:06:02	1min avg:	14.694	3.593
13:07:02	1min avg:	14.697	3.589
13:08:02	1min avg:	14.680	3.596
13:09:02	1min avg:	14.678	3.593
13:10:02	1min avg:	14.681	3.593
13:11:02	1min avg:	14.669	3.600
13:12:02	1min avg:	14.669	3.600
13:13:02	1min avg:	14.677	3.599
13:14:02	1min avg:	14.682	3.597

GP 2022 September 16
Test Run 2

Start:	9/16/2022	12:37:03
End:	9/16/2022	16:07:03

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Time	Entry	O2 %	CO2 %
13:15:02	1min avg:	14.675	3.599
13:16:02	1min avg:	14.680	3.594
13:17:02	1min avg:	14.660	3.598
13:18:02	1min avg:	14.671	3.597
13:19:02	1min avg:	14.672	3.596
13:20:02	1min avg:	14.672	3.594
13:21:02	1min avg:	14.653	3.603
13:22:02	1min avg:	14.658	3.600
13:23:02	1min avg:	14.672	3.596
13:24:02	1min avg:	14.676	3.596
13:25:02	1min avg:	14.683	3.590
13:26:02	1min avg:	14.675	3.587
13:27:02	1min avg:	14.664	3.593
13:28:02	1min avg:	14.659	3.593
13:29:02	1min avg:	14.662	3.595
13:30:02	1min avg:	14.662	3.594
13:31:02	1min avg:	14.647	3.599
13:32:02	1min avg:	14.655	3.593
13:33:02	1min avg:	14.651	3.597
13:34:02	1min avg:	14.654	3.600
13:35:02	1min avg:	14.662	3.596
13:36:02	1min avg:	14.658	3.598
13:37:02	1min avg:	14.660	3.596
13:38:02	1min avg:	14.660	3.598
13:39:02	1min avg:	14.650	3.600
13:40:02	1min avg:	14.654	3.593
13:41:02	1min avg:	14.640	3.598
13:42:02	1min avg:	14.645	3.594
13:43:02	1min avg:	14.639	3.595
13:44:02	1min avg:	14.647	3.589
13:45:02	1min avg:	14.648	3.592
13:46:02	1min avg:	14.645	3.599
13:47:02	1min avg:	14.650	3.593
13:48:02	1min avg:	14.640	3.601
13:49:02	1min avg:	14.653	3.596
13:50:02	1min avg:	14.647	3.598
13:51:02	1min avg:	14.644	3.601

GP 2022 September 16
Test Run 2

Start:	9/16/2022	12:37:03
End:	9/16/2022	16:07:03

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Time	Entry	O2 %	CO2 %
13:52:02	1min avg:	14.646	3.603
13:53:02	1min avg:	14.631	3.610
13:54:02	1min avg:	14.633	3.607
13:55:02	1min avg:	14.637	3.606
13:56:02	1min avg:	14.628	3.608
13:57:02	1min avg:	14.643	3.600
13:58:02	1min avg:	14.636	3.608
13:59:02	1min avg:	14.645	3.602
14:00:02	1min avg:	14.634	3.605
14:01:02	1min avg:	14.638	3.602
14:02:02	1min avg:	14.646	3.598
14:03:02	1min avg:	14.641	3.602
14:04:02	1min avg:	14.641	3.599
14:05:02	1min avg:	14.660	3.584
14:06:02	1min avg:	14.649	3.591
14:07:02	1min avg:	14.658	3.585
14:08:02	1min avg:	14.666	3.583
14:09:02	1min avg:	14.678	3.579
14:10:02	1min avg:	14.680	3.577
14:11:02	1min avg:	14.686	3.576
14:12:02	1min avg:	14.683	3.575
14:13:02	1min avg:	14.680	3.579
14:14:02	1min avg:	14.686	3.576
14:15:02	1min avg:	14.681	3.580
14:16:02	1min avg:	14.655	3.595
14:17:02	1min avg:	14.656	3.593
14:18:02	1min avg:	14.659	3.590
14:19:02	1min avg:	14.651	3.597
14:20:02	1min avg:	14.655	3.591
14:21:02	1min avg:	14.670	3.584
14:22:02	1min avg:	14.666	3.589
14:23:02	1min avg:	14.667	3.585
14:24:02	1min avg:	14.658	3.590
14:25:02	1min avg:	14.662	3.588
14:26:02	1min avg:	14.670	3.583
14:27:02	1min avg:	14.656	3.589
14:28:02	1min avg:	14.642	3.597

GP 2022 September 16
Test Run 2

Start:	9/16/2022	12:37:03
End:	9/16/2022	16:07:03

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Time	Entry	O2 %	CO2 %
14:29:02	1min avg:	14.651	3.593
14:30:02	1min avg:	14.654	3.590
14:31:02	1min avg:	14.666	3.584
14:32:02	1min avg:	14.654	3.594
14:33:02	1min avg:	14.657	3.591
14:34:02	1min avg:	14.662	3.592
14:35:02	1min avg:	14.662	3.588
14:36:02	1min avg:	14.663	3.589
14:37:02	1min avg:	14.657	3.589
14:38:02	1min avg:	14.653	3.594
14:39:02	1min avg:	14.655	3.593
14:40:02	1min avg:	14.652	3.592
14:41:02	1min avg:	14.666	3.587
14:42:02	1min avg:	14.657	3.592
14:43:02	1min avg:	14.653	3.590
14:44:02	1min avg:	14.649	3.594
14:45:02	1min avg:	14.641	3.597
14:46:02	1min avg:	14.644	3.592
14:47:02	1min avg:	14.646	3.589
14:48:02	1min avg:	14.632	3.598
14:49:02	1min avg:	14.630	3.599
14:50:02	1min avg:	14.646	3.591
14:51:02	1min avg:	14.648	3.590
14:52:02	1min avg:	14.630	3.600
14:53:02	1min avg:	14.634	3.595
14:54:02	1min avg:	14.631	3.600
14:55:02	1min avg:	14.635	3.597
14:56:02	1min avg:	14.647	3.592
14:57:02	1min avg:	14.665	3.582
14:58:02	1min avg:	14.654	3.586
14:59:02	1min avg:	14.653	3.586
15:00:02	1min avg:	14.660	3.582
15:01:02	1min avg:	14.660	3.583
15:02:02	1min avg:	14.645	3.590
15:03:02	1min avg:	14.650	3.587
15:04:02	1min avg:	14.644	3.587
15:05:02	1min avg:	14.636	3.593

GP 2022 September 16
Test Run 2

Start:	9/16/2022	12:37:03
End:	9/16/2022	16:07:03

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Time	Entry	O2 %	CO2 %
15:06:02	1min avg:	14.637	3.592
15:07:02	1min avg:	14.652	3.586
15:08:02	1min avg:	14.653	3.583
15:09:02	1min avg:	14.637	3.592
15:10:02	1min avg:	14.634	3.595
15:11:02	1min avg:	14.638	3.595
15:12:02	1min avg:	14.645	3.590
15:13:02	1min avg:	14.646	3.587
15:14:02	1min avg:	14.636	3.593
15:15:02	1min avg:	14.636	3.593
15:16:02	1min avg:	14.636	3.594
15:17:02	1min avg:	14.626	3.597
15:18:02	1min avg:	14.635	3.596
15:19:02	1min avg:	14.646	3.587
15:20:02	1min avg:	14.630	3.595
15:21:02	1min avg:	14.620	3.601
15:22:02	1min avg:	14.614	3.599
15:23:02	1min avg:	14.632	3.593
15:24:02	1min avg:	14.628	3.599
15:25:02	1min avg:	14.626	3.598
15:26:02	1min avg:	14.638	3.594
15:27:02	1min avg:	14.640	3.590
15:28:02	1min avg:	14.642	3.590
15:29:02	1min avg:	14.648	3.585
15:30:02	1min avg:	14.639	3.589
15:31:02	1min avg:	14.635	3.593
15:32:02	1min avg:	14.650	3.586
15:33:02	1min avg:	14.645	3.588
15:34:02	1min avg:	14.646	3.590
15:35:02	1min avg:	14.656	3.582
15:36:02	1min avg:	14.658	3.583
15:37:02	1min avg:	14.660	3.583
15:38:02	1min avg:	14.651	3.587
15:39:02	1min avg:	14.653	3.584
15:40:02	1min avg:	14.645	3.590
15:41:02	1min avg:	14.641	3.592
15:42:02	1min avg:	14.645	3.590

GP 2022 September 16
Test Run 2

Start:	9/16/2022	12:37:03
End:	9/16/2022	16:07:03

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Time	Entry	O2 %	CO2 %
15:43:02	1min avg:	14.640	3.591
15:44:02	1min avg:	14.640	3.593
15:45:02	1min avg:	14.641	3.589
15:46:02	1min avg:	14.631	3.598
15:47:02	1min avg:	14.627	3.601
15:48:02	1min avg:	14.627	3.599
15:49:02	1min avg:	14.620	3.604
15:50:02	1min avg:	14.618	3.604
15:51:02	1min avg:	14.634	3.598
15:52:02	1min avg:	14.620	3.605
15:53:02	1min avg:	14.614	3.606
15:54:02	1min avg:	14.617	3.602
15:55:02	1min avg:	14.630	3.598
15:56:02	1min avg:	14.615	3.607
15:57:02	1min avg:	14.615	3.605
15:58:02	1min avg:	14.626	3.600
15:59:02	1min avg:	14.616	3.601
16:00:02	1min avg:	14.612	3.604
16:01:02	1min avg:	14.608	3.604
16:02:02	1min avg:	14.614	3.602
16:03:02	1min avg:	14.615	3.599
16:04:02	1min avg:	14.617	3.601
16:05:02	1min avg:	14.605	3.609
16:06:02	1min avg:	14.610	3.606
16:07:02	1min avg:	14.622	3.601
16:07:03	Test Avgs:	14.653	3.594

GP 2022 September 17
Test Run 1

Start:	9/17/2022	8:32:00
End:	9/17/2022	9:32:00

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Time	Entry	CO ppm	O2 %	CO2 %
08:32:59	1min avg:	-0.183	14.523	4.717
08:33:59	1min avg:	-0.160	14.517	4.722
08:34:59	1min avg:	-0.181	14.525	4.716
08:35:59	1min avg:	-0.177	14.528	4.713
08:36:59	1min avg:	-0.162	14.528	4.716
08:37:59	1min avg:	-0.172	14.523	4.721
08:38:59	1min avg:	-0.151	14.528	4.718
08:39:59	1min avg:	-0.163	14.523	4.724
08:40:59	1min avg:	-0.154	14.526	4.721
08:41:59	1min avg:	-0.153	14.519	4.727
08:42:59	1min avg:	-0.152	14.518	4.725
08:43:59	1min avg:	-0.178	14.509	4.730
08:44:59	1min avg:	-0.161	14.515	4.725
08:45:59	1min avg:	-0.173	14.509	4.733
08:46:59	1min avg:	-0.172	14.513	4.726
08:47:59	1min avg:	-0.174	14.508	4.731
08:48:59	1min avg:	-0.170	14.512	4.727
08:49:59	1min avg:	-0.191	14.506	4.727
08:50:59	1min avg:	-0.172	14.503	4.735
08:51:59	1min avg:	-0.184	14.513	4.729
08:52:59	1min avg:	-0.194	14.509	4.730
08:53:59	1min avg:	-0.189	14.505	4.735
08:54:59	1min avg:	-0.188	14.512	4.729
08:55:59	1min avg:	-0.169	14.514	4.727
08:56:59	1min avg:	-0.167	14.502	4.735
08:57:59	1min avg:	-0.183	14.511	4.732
08:58:59	1min avg:	-0.195	14.513	4.729
08:59:59	1min avg:	-0.187	14.516	4.726
09:00:59	1min avg:	-0.156	14.508	4.732
09:01:59	1min avg:	-0.191	14.500	4.736
09:02:59	1min avg:	-0.196	14.499	4.741
09:03:59	1min avg:	-0.177	14.506	4.736
09:04:59	1min avg:	-0.187	14.503	4.737
09:05:59	1min avg:	-0.179	14.505	4.731
09:06:59	1min avg:	-0.174	14.507	4.732
09:07:59	1min avg:	-0.187	14.504	4.742
09:08:59	1min avg:	-0.199	14.504	4.738
09:09:59	1min avg:	-0.164	14.499	4.740
09:10:59	1min avg:	-0.193	14.498	4.740
09:11:59	1min avg:	-0.189	14.503	4.736
09:12:59	1min avg:	-0.180	14.509	4.732
09:13:59	1min avg:	-0.199	14.507	4.732
09:14:59	1min avg:	-0.199	14.503	4.736
09:15:59	1min avg:	-0.169	14.500	4.738
09:16:59	1min avg:	-0.202	14.496	4.739
09:17:59	1min avg:	-0.187	14.496	4.741
09:18:59	1min avg:	-0.190	14.495	4.742
09:19:59	1min avg:	-0.202	14.495	4.742
09:20:59	1min avg:	-0.171	14.492	4.744
09:21:59	1min avg:	-0.184	14.491	4.745
09:22:59	1min avg:	-0.208	14.497	4.740
09:23:59	1min avg:	-0.174	14.492	4.745
09:24:59	1min avg:	-0.175	14.498	4.742
09:25:59	1min avg:	-0.170	14.495	4.742
09:26:59	1min avg:	-0.187	14.490	4.747
09:27:59	1min avg:	-0.171	14.491	4.744
09:28:59	1min avg:	-0.173	14.485	4.751
09:29:59	1min avg:	-0.197	14.485	4.748
09:30:59	1min avg:	-0.173	14.490	4.743
09:31:59	1min avg:	-0.170	14.487	4.747
09:32:00	Test Avgs:	-0.179	14.506	4.733

GP 2022 September 17
Test Run 2

Start:	9/17/2022	9:42:00
End:	9/17/2022	10:42:00

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Time	Entry	CO ppm	O2 %	CO2 %
09:42:59	1min avg:	-0.173	14.477	4.749
09:43:59	1min avg:	-0.183	14.472	4.753
09:44:59	1min avg:	-0.198	14.478	4.750
09:45:59	1min avg:	-0.195	14.468	4.757
09:46:59	1min avg:	-0.181	14.479	4.748
09:47:59	1min avg:	-0.183	14.483	4.748
09:48:59	1min avg:	-0.180	14.473	4.753
09:49:59	1min avg:	-0.182	14.470	4.760
09:50:59	1min avg:	-0.159	14.476	4.754
09:51:59	1min avg:	-0.188	14.477	4.750
09:52:59	1min avg:	-0.171	14.477	4.752
09:53:59	1min avg:	-0.197	14.481	4.749
09:54:59	1min avg:	-0.192	14.472	4.755
09:55:59	1min avg:	-0.182	14.477	4.753
09:56:59	1min avg:	-0.185	14.486	4.746
09:57:59	1min avg:	-0.194	14.476	4.753
09:58:59	1min avg:	-0.179	14.465	4.761
09:59:59	1min avg:	-0.170	14.454	4.767
10:00:59	1min avg:	-0.171	14.454	4.768
10:01:59	1min avg:	-0.182	14.473	4.757
10:02:59	1min avg:	-0.177	14.472	4.756
10:03:59	1min avg:	-0.205	14.467	4.759
10:04:59	1min avg:	-0.202	14.475	4.756
10:05:59	1min avg:	-0.179	14.463	4.763
10:06:59	1min avg:	-0.209	14.462	4.764
10:07:59	1min avg:	-0.185	14.458	4.765
10:08:59	1min avg:	-0.178	14.467	4.761
10:09:59	1min avg:	-0.179	14.462	4.765
10:10:59	1min avg:	-0.174	14.468	4.761
10:11:59	1min avg:	-0.165	14.461	4.764
10:12:59	1min avg:	-0.206	14.458	4.770
10:13:59	1min avg:	-0.192	14.468	4.764
10:14:59	1min avg:	-0.167	14.464	4.767
10:15:59	1min avg:	-0.191	14.473	4.760
10:16:59	1min avg:	-0.168	14.473	4.761
10:17:59	1min avg:	-0.177	14.474	4.763
10:18:59	1min avg:	-0.171	14.468	4.765
10:19:59	1min avg:	-0.184	14.461	4.768
10:20:59	1min avg:	-0.175	14.458	4.772
10:21:59	1min avg:	-0.178	14.468	4.765
10:22:59	1min avg:	-0.184	14.465	4.767
10:23:59	1min avg:	-0.168	14.463	4.765
10:24:59	1min avg:	-0.160	14.453	4.772
10:25:59	1min avg:	-0.184	14.451	4.775
10:26:59	1min avg:	-0.185	14.460	4.769
10:27:59	1min avg:	-0.183	14.467	4.764
10:28:59	1min avg:	-0.186	14.472	4.760
10:29:59	1min avg:	-0.190	14.462	4.766
10:30:59	1min avg:	-0.169	14.455	4.769
10:31:59	1min avg:	-0.173	14.457	4.769
10:32:59	1min avg:	-0.191	14.466	4.765
10:33:59	1min avg:	-0.185	14.457	4.771
10:34:59	1min avg:	-0.182	14.442	4.780
10:35:59	1min avg:	-0.199	14.453	4.769
10:36:59	1min avg:	-0.174	14.455	4.770
10:37:59	1min avg:	-0.168	14.459	4.767
10:38:59	1min avg:	-0.195	14.458	4.768
10:39:59	1min avg:	-0.190	14.456	4.770
10:40:59	1min avg:	-0.195	14.462	4.767
10:41:59	1min avg:	-0.166	14.460	4.768
10:42:00	Test Avgs:	-0.182	14.466	4.762

GP 2022 September 17
Test Run 3

Start:	9/17/2022	10:52:00
End:	9/17/2022	11:52:00

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Time	Entry	CO ppm	O2 %	CO2 %
10:52:59	1min avg:	-0.166	14.416	4.787
10:53:59	1min avg:	-0.175	14.426	4.783
10:54:59	1min avg:	-0.177	14.443	4.771
10:55:59	1min avg:	-0.183	14.434	4.782
10:56:59	1min avg:	-0.211	14.428	4.788
10:57:59	1min avg:	-0.171	14.420	4.795
10:58:59	1min avg:	-0.188	14.411	4.798
10:59:59	1min avg:	-0.204	14.431	4.785
11:00:59	1min avg:	-0.197	14.426	4.786
11:01:59	1min avg:	-0.187	14.426	4.786
11:02:59	1min avg:	-0.202	14.428	4.785
11:03:59	1min avg:	-0.197	14.427	4.786
11:04:59	1min avg:	-0.173	14.433	4.784
11:05:59	1min avg:	-0.198	14.435	4.780
11:06:59	1min avg:	-0.210	14.421	4.788
11:07:59	1min avg:	-0.184	14.429	4.784
11:08:59	1min avg:	-0.213	14.433	4.783
11:09:59	1min avg:	-0.186	14.420	4.791
11:10:59	1min avg:	-0.168	14.434	4.782
11:11:59	1min avg:	-0.195	14.430	4.785
11:12:59	1min avg:	-0.192	14.422	4.789
11:13:59	1min avg:	-0.208	14.423	4.790
11:14:59	1min avg:	-0.206	14.431	4.782
11:15:59	1min avg:	-0.185	14.433	4.784
11:16:59	1min avg:	-0.178	14.429	4.786
11:17:59	1min avg:	-0.186	14.433	4.782
11:18:59	1min avg:	-0.185	14.439	4.780
11:19:59	1min avg:	-0.223	14.442	4.776
11:20:59	1min avg:	-0.205	14.437	4.778
11:21:59	1min avg:	-0.199	14.430	4.782
11:22:59	1min avg:	-0.210	14.429	4.784
11:23:59	1min avg:	-0.193	14.440	4.778
11:24:59	1min avg:	-0.209	14.445	4.775
11:25:59	1min avg:	-0.214	14.440	4.778
11:26:59	1min avg:	-0.199	14.428	4.784
11:27:59	1min avg:	-0.203	14.422	4.787
11:28:59	1min avg:	-0.183	14.428	4.784
11:29:59	1min avg:	-0.205	14.429	4.783
11:30:59	1min avg:	-0.185	14.418	4.792
11:31:59	1min avg:	-0.190	14.424	4.783
11:32:59	1min avg:	-0.230	14.431	4.779
11:33:59	1min avg:	-0.218	14.435	4.781
11:34:59	1min avg:	-0.213	14.419	4.789
11:35:59	1min avg:	-0.230	14.413	4.797
11:36:59	1min avg:	-0.199	14.422	4.791
11:37:59	1min avg:	-0.190	14.424	4.790
11:38:59	1min avg:	-0.218	14.410	4.797
11:39:59	1min avg:	-0.215	14.410	4.793
11:40:59	1min avg:	-0.224	14.417	4.792
11:41:59	1min avg:	-0.207	14.419	4.789
11:42:59	1min avg:	-0.214	14.431	4.776
11:43:59	1min avg:	-0.209	14.432	4.776
11:44:59	1min avg:	-0.199	14.423	4.788
11:45:59	1min avg:	-0.218	14.415	4.793
11:46:59	1min avg:	-0.200	14.415	4.791
11:47:59	1min avg:	-0.207	14.426	4.783
11:48:59	1min avg:	-0.211	14.424	4.784
11:49:59	1min avg:	-0.198	14.418	4.790
11:50:59	1min avg:	-0.212	14.426	4.782
11:51:59	1min avg:	-0.188	14.425	4.783
11:52:00	Test Avgs:	-0.199	14.427	4.785

GP 2022 September 17
Test Run 4

Start:	9/17/2022	12:11:00
End:	9/17/2022	13:11:00

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Time	Entry	CO ppm	O2 %	CO2 %
12:11:59	1min avg:	-0.208	14.392	4.802
12:12:59	1min avg:	-0.196	14.398	4.795
12:13:59	1min avg:	-0.234	14.395	4.798
12:14:59	1min avg:	-0.245	14.380	4.809
12:15:59	1min avg:	-0.204	14.396	4.798
12:16:59	1min avg:	-0.194	14.400	4.798
12:17:59	1min avg:	-0.214	14.417	4.786
12:18:59	1min avg:	-0.218	14.430	4.780
12:19:59	1min avg:	-0.238	14.431	4.778
12:20:59	1min avg:	-0.236	14.439	4.768
12:21:59	1min avg:	-0.199	14.426	4.779
12:22:59	1min avg:	-0.203	14.427	4.780
12:23:59	1min avg:	-0.211	14.424	4.776
12:24:59	1min avg:	-0.220	14.412	4.789
12:25:59	1min avg:	-0.237	14.425	4.780
12:26:59	1min avg:	-0.223	14.416	4.787
12:27:59	1min avg:	-0.232	14.420	4.783
12:28:59	1min avg:	-0.204	14.407	4.792
12:29:59	1min avg:	-0.227	14.422	4.782
12:30:59	1min avg:	-0.233	14.428	4.776
12:31:59	1min avg:	-0.228	14.418	4.785
12:32:59	1min avg:	-0.204	14.421	4.781
12:33:59	1min avg:	-0.214	14.433	4.775
12:34:59	1min avg:	-0.204	14.415	4.783
12:35:59	1min avg:	-0.216	14.396	4.799
12:36:59	1min avg:	-0.215	14.397	4.794
12:37:59	1min avg:	-0.223	14.394	4.800
12:38:59	1min avg:	-0.210	14.402	4.793
12:39:59	1min avg:	-0.221	14.402	4.794
12:40:59	1min avg:	-0.216	14.390	4.804
12:41:59	1min avg:	-0.196	14.398	4.799
12:42:59	1min avg:	-0.201	14.409	4.790
12:43:59	1min avg:	-0.215	14.398	4.798
12:44:59	1min avg:	-0.194	14.397	4.802
12:45:59	1min avg:	-0.206	14.384	4.812
12:46:59	1min avg:	-0.212	14.389	4.807
12:47:59	1min avg:	-0.228	14.418	4.789
12:48:59	1min avg:	-0.222	14.422	4.785
12:49:59	1min avg:	-0.246	14.411	4.791
12:50:59	1min avg:	-0.205	14.415	4.788
12:51:59	1min avg:	-0.260	14.425	4.778
12:52:59	1min avg:	-0.214	14.399	4.798
12:53:59	1min avg:	-0.208	14.415	4.788
12:54:59	1min avg:	-0.238	14.408	4.792
12:55:59	1min avg:	-0.243	14.414	4.785
12:56:59	1min avg:	-0.235	14.407	4.791
12:57:59	1min avg:	-0.205	14.416	4.788
12:58:59	1min avg:	-0.229	14.419	4.783
12:59:59	1min avg:	-0.215	14.403	4.794
13:00:59	1min avg:	-0.218	14.400	4.795
13:01:59	1min avg:	-0.244	14.395	4.798
13:02:59	1min avg:	-0.192	14.382	4.807
13:03:59	1min avg:	-0.217	14.394	4.804
13:04:59	1min avg:	-0.220	14.412	4.788
13:05:59	1min avg:	-0.223	14.412	4.788
13:06:59	1min avg:	-0.221	14.414	4.786
13:07:59	1min avg:	-0.235	14.406	4.792
13:08:59	1min avg:	-0.251	14.409	4.790
13:09:59	1min avg:	-0.216	14.401	4.795
13:10:59	1min avg:	-0.260	14.410	4.787
13:11:00	Test Avgs:	-0.220	14.409	4.790

GP 2022 September 17
Test Run 5

Start:	9/17/2022	13:25:50
End:	9/17/2022	14:25:50

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Time	Entry	CO ppm	O2 %	CO2 %
13:26:49	1min avg:	-0.225	14.396	4.794
13:27:49	1min avg:	-0.220	14.392	4.792
13:28:49	1min avg:	-0.250	14.392	4.793
13:29:49	1min avg:	-0.216	14.380	4.801
13:30:49	1min avg:	-0.220	14.386	4.800
13:31:49	1min avg:	-0.214	14.378	4.804
13:32:49	1min avg:	-0.237	14.366	4.809
13:33:49	1min avg:	-0.241	14.364	4.813
13:34:49	1min avg:	-0.216	14.384	4.799
13:35:49	1min avg:	-0.201	14.376	4.804
13:36:49	1min avg:	-0.217	14.375	4.806
13:37:49	1min avg:	-0.219	14.378	4.803
13:38:49	1min avg:	-0.239	14.374	4.809
13:39:49	1min avg:	-0.238	14.376	4.806
13:40:49	1min avg:	-0.202	14.370	4.810
13:41:49	1min avg:	-0.197	14.379	4.803
13:42:49	1min avg:	-0.227	14.381	4.800
13:43:49	1min avg:	-0.227	14.368	4.807
13:44:49	1min avg:	-0.270	14.368	4.806
13:45:49	1min avg:	-0.252	14.372	4.806
13:46:49	1min avg:	-0.264	14.372	4.803
13:47:49	1min avg:	-0.243	14.367	4.808
13:48:49	1min avg:	-0.226	14.370	4.807
13:49:49	1min avg:	-0.275	14.370	4.808
13:50:49	1min avg:	-0.255	14.369	4.808
13:51:49	1min avg:	-0.266	14.369	4.808
13:52:49	1min avg:	-0.286	14.377	4.803
13:53:49	1min avg:	-0.297	14.385	4.794
13:54:49	1min avg:	-0.238	14.375	4.804
13:55:49	1min avg:	-0.284	14.391	4.792
13:56:49	1min avg:	-0.255	14.388	4.793
13:57:49	1min avg:	-0.243	14.394	4.791
13:58:49	1min avg:	-0.284	14.393	4.789
13:59:49	1min avg:	-0.281	14.391	4.792
14:00:49	1min avg:	-0.279	14.388	4.794
14:01:49	1min avg:	-0.307	14.383	4.799
14:02:49	1min avg:	-0.264	14.381	4.798
14:03:49	1min avg:	-0.269	14.379	4.798
14:04:49	1min avg:	-0.236	14.374	4.804
14:05:49	1min avg:	-0.241	14.373	4.807
14:06:49	1min avg:	-0.226	14.364	4.811
14:07:49	1min avg:	-0.259	14.371	4.808
14:08:49	1min avg:	-0.263	14.360	4.814
14:09:49	1min avg:	-0.248	14.360	4.815
14:10:49	1min avg:	-0.242	14.356	4.818
14:11:49	1min avg:	-0.263	14.358	4.816
14:12:49	1min avg:	-0.259	14.366	4.810
14:13:49	1min avg:	-0.255	14.374	4.801
14:14:49	1min avg:	-0.230	14.357	4.813
14:15:49	1min avg:	-0.247	14.358	4.812
14:16:49	1min avg:	-0.244	14.364	4.808
14:17:49	1min avg:	-0.225	14.360	4.811
14:18:49	1min avg:	-0.224	14.364	4.808
14:19:49	1min avg:	-0.257	14.360	4.807
14:20:49	1min avg:	-0.231	14.349	4.818
14:21:49	1min avg:	-0.229	14.348	4.818
14:22:49	1min avg:	-0.245	14.358	4.813
14:23:49	1min avg:	-0.217	14.359	4.813
14:24:49	1min avg:	-0.237	14.345	4.820
14:25:49	1min avg:	-0.251	14.350	4.822
14:25:50	Test Avgs:	-0.245	14.372	4.805

GP 2022 September 17
Test Run 6

Start:	9/17/2022	14:35:00
End:	9/17/2022	15:35:00

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Time	Entry	CO ppm	O2 %	CO2 %
14:35:59	1min avg:	-0.190	14.322	4.816
14:36:59	1min avg:	-0.217	14.319	4.816
14:37:59	1min avg:	-0.209	14.326	4.813
14:38:59	1min avg:	-0.235	14.334	4.805
14:39:59	1min avg:	-0.251	14.322	4.812
14:40:59	1min avg:	-0.233	14.321	4.815
14:41:59	1min avg:	-0.253	14.324	4.816
14:42:59	1min avg:	-0.261	14.324	4.811
14:43:59	1min avg:	-0.240	14.328	4.812
14:44:59	1min avg:	-0.236	14.325	4.814
14:45:59	1min avg:	-0.249	14.324	4.816
14:46:59	1min avg:	-0.249	14.327	4.814
14:47:59	1min avg:	-0.246	14.329	4.811
14:48:59	1min avg:	-0.231	14.319	4.815
14:49:59	1min avg:	-0.221	14.307	4.826
14:50:59	1min avg:	-0.235	14.311	4.822
14:51:59	1min avg:	-0.246	14.321	4.814
14:52:59	1min avg:	-0.248	14.321	4.815
14:53:59	1min avg:	-0.242	14.335	4.808
14:54:59	1min avg:	-0.252	14.328	4.811
14:55:59	1min avg:	-0.235	14.339	4.804
14:56:59	1min avg:	-0.239	14.338	4.809
14:57:59	1min avg:	-0.261	14.337	4.807
14:58:59	1min avg:	-0.261	14.343	4.798
14:59:59	1min avg:	-0.234	14.341	4.800
15:00:59	1min avg:	-0.244	14.329	4.803
15:01:59	1min avg:	-0.268	14.321	4.809
15:02:59	1min avg:	-0.242	14.317	4.811
15:03:59	1min avg:	-0.236	14.317	4.814
15:04:59	1min avg:	-0.227	14.320	4.809
15:05:59	1min avg:	-0.233	14.308	4.814
15:06:59	1min avg:	-0.249	14.311	4.807
15:07:59	1min avg:	-0.277	14.308	4.810
15:08:59	1min avg:	-0.257	14.297	4.813
15:09:59	1min avg:	-0.251	14.311	4.808
15:10:59	1min avg:	-0.241	14.295	4.820
15:11:59	1min avg:	-0.289	14.303	4.813
15:12:59	1min avg:	-0.272	14.295	4.819
15:13:59	1min avg:	-0.268	14.316	4.801
15:14:59	1min avg:	-0.274	14.323	4.793
15:15:59	1min avg:	-0.251	14.322	4.798
15:16:59	1min avg:	-0.268	14.326	4.790
15:17:59	1min avg:	-0.270	14.329	4.792
15:18:59	1min avg:	-0.243	14.319	4.797
15:19:59	1min avg:	-0.286	14.324	4.792
15:20:59	1min avg:	-0.272	14.316	4.798
15:21:59	1min avg:	-0.260	14.313	4.801
15:22:59	1min avg:	-0.270	14.313	4.802
15:23:59	1min avg:	-0.273	14.315	4.803
15:24:59	1min avg:	-0.294	14.322	4.797
15:25:59	1min avg:	-0.298	14.326	4.792
15:26:59	1min avg:	-0.296	14.322	4.798
15:27:59	1min avg:	-0.263	14.318	4.802
15:28:59	1min avg:	-0.275	14.317	4.800
15:29:59	1min avg:	-0.270	14.321	4.799
15:30:59	1min avg:	-0.277	14.330	4.794
15:31:59	1min avg:	-0.298	14.317	4.803
15:32:59	1min avg:	-0.297	14.314	4.805
15:33:59	1min avg:	-0.298	14.323	4.800
15:34:59	1min avg:	-0.309	14.327	4.800
15:35:00	Test Avgs:	-0.256	14.321	4.807

GP 2022 September 17
Test Run 7
Start: 9/17/2022 15:44:00
End: 9/17/2022 16:44:00

Operator: J. Grizzle
Plant: Plant McIntosh
Location: Rincon, GA
Source ID: Unit 1

Time	Entry	CO ppm	O2 %	CO2 %
15:44:59	1min avg:	-0.242	14.301	4.810
15:45:59	1min avg:	-0.270	14.310	4.806
15:46:59	1min avg:	-0.307	14.321	4.797
15:47:59	1min avg:	-0.296	14.321	4.799
15:48:59	1min avg:	-0.297	14.304	4.812
15:49:59	1min avg:	-0.291	14.311	4.803
15:50:59	1min avg:	-0.284	14.330	4.788
15:51:59	1min avg:	-0.289	14.325	4.793
15:52:59	1min avg:	-0.294	14.324	4.791
15:53:59	1min avg:	-0.305	14.326	4.789
15:54:59	1min avg:	-0.274	14.324	4.790
15:55:59	1min avg:	-0.314	14.326	4.785
15:56:59	1min avg:	-0.284	14.322	4.794
15:57:59	1min avg:	-0.289	14.333	4.784
15:58:59	1min avg:	-0.306	14.320	4.793
15:59:59	1min avg:	-0.289	14.317	4.794
16:00:59	1min avg:	-0.304	14.318	4.793
16:01:59	1min avg:	-0.289	14.325	4.789
16:02:59	1min avg:	-0.294	14.310	4.795
16:03:59	1min avg:	-0.297	14.311	4.796
16:04:59	1min avg:	-0.306	14.299	4.803
16:05:59	1min avg:	-0.298	14.305	4.801
16:06:59	1min avg:	-0.282	14.307	4.801
16:07:59	1min avg:	-0.320	14.303	4.803
16:08:59	1min avg:	-0.302	14.306	4.803
16:09:59	1min avg:	-0.300	14.301	4.802
16:10:59	1min avg:	-0.303	14.310	4.796
16:11:59	1min avg:	-0.286	14.315	4.791
16:12:59	1min avg:	-0.270	14.306	4.801
16:13:59	1min avg:	-0.288	14.300	4.803
16:14:59	1min avg:	-0.298	14.316	4.793
16:15:59	1min avg:	-0.297	14.317	4.793
16:16:59	1min avg:	-0.280	14.313	4.797
16:17:59	1min avg:	-0.318	14.308	4.800
16:18:59	1min avg:	-0.301	14.324	4.789
16:19:59	1min avg:	-0.292	14.318	4.796
16:20:59	1min avg:	-0.273	14.317	4.795
16:21:59	1min avg:	-0.293	14.304	4.805
16:22:59	1min avg:	-0.327	14.311	4.802
16:23:59	1min avg:	-0.307	14.313	4.801
16:24:59	1min avg:	-0.324	14.314	4.800
16:25:59	1min avg:	-0.311	14.310	4.802
16:26:59	1min avg:	-0.312	14.313	4.801
16:27:59	1min avg:	-0.270	14.324	4.791
16:28:59	1min avg:	-0.314	14.312	4.799
16:29:59	1min avg:	-0.302	14.298	4.810
16:30:59	1min avg:	-0.260	14.302	4.808
16:31:59	1min avg:	-0.277	14.302	4.807
16:32:59	1min avg:	-0.273	14.305	4.808
16:33:59	1min avg:	-0.286	14.298	4.811
16:34:59	1min avg:	-0.309	14.304	4.806
16:35:59	1min avg:	-0.314	14.323	4.796
16:36:59	1min avg:	-0.307	14.324	4.797
16:37:59	1min avg:	-0.296	14.332	4.793
16:38:59	1min avg:	-0.284	14.326	4.796
16:39:59	1min avg:	-0.284	14.327	4.791
16:40:59	1min avg:	-0.302	14.333	4.783
16:41:59	1min avg:	-0.327	14.335	4.785
16:42:59	1min avg:	-0.290	14.330	4.784
16:43:59	1min avg:	-0.311	14.329	4.778
16:44:00	Test Avgs:	-0.295	14.315	4.797

GP 2022 September 19
Test Run 1

Start:	9/19/2022	7:34:00
End:	9/19/2022	11:27:00

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Time	Entry	O2 %	CO2 %
07:35:00	1min avg:	14.593	4.646
07:36:00	1min avg:	14.593	4.643
07:37:00	1min avg:	14.591	4.644
07:38:00	1min avg:	14.586	4.645
07:39:00	1min avg:	14.586	4.645
07:40:00	1min avg:	14.589	4.643
07:41:00	1min avg:	14.588	4.642
07:42:00	1min avg:	14.585	4.648
07:43:00	1min avg:	14.589	4.644
07:44:00	1min avg:	14.589	4.642
07:45:00	1min avg:	14.588	4.647
07:46:00	1min avg:	14.590	4.648
07:47:00	1min avg:	14.595	4.643
07:48:00	1min avg:	14.596	4.641
07:49:00	1min avg:	14.596	4.640
07:50:00	1min avg:	14.593	4.643
07:51:00	1min avg:	14.596	4.641
07:52:00	1min avg:	14.594	4.644
07:53:00	1min avg:	14.599	4.638
07:54:00	1min avg:	14.590	4.644
07:55:00	1min avg:	14.591	4.639
07:56:00	1min avg:	14.584	4.646
07:57:00	1min avg:	14.583	4.644
07:58:00	1min avg:	14.586	4.643
07:59:00	1min avg:	14.584	4.641
08:00:00	1min avg:	14.586	4.642
08:01:00	1min avg:	14.586	4.644
08:02:00	1min avg:	14.581	4.645
08:03:00	1min avg:	14.584	4.644
08:04:00	1min avg:	14.577	4.647
08:05:00	1min avg:	14.583	4.645
08:06:00	1min avg:	14.580	4.646
08:07:00	1min avg:	14.585	4.644
08:08:00	1min avg:	14.580	4.648
08:09:00	1min avg:	14.584	4.644
08:10:00	1min avg:	14.581	4.647
08:11:00	1min avg:	14.576	4.648
08:12:00	1min avg:	14.572	4.655
08:13:00	1min avg:	14.570	4.653
08:14:00	1min avg:	14.571	4.652
08:15:00	1min avg:	14.569	4.659
08:16:00	1min avg:	14.573	4.650
08:17:00	1min avg:	14.575	4.652
08:18:00	1min avg:	14.572	4.656
08:19:00	1min avg:	14.564	4.662
08:20:00	1min avg:	14.571	4.656
08:21:00	1min avg:	14.574	4.651
08:22:00	1min avg:	14.573	4.655
08:23:00	1min avg:	14.569	4.658
08:24:00	1min avg:	14.570	4.658

GP 2022 September 19
Test Run 1

Start:	9/19/2022	7:34:00
End:	9/19/2022	11:27:00

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Time	Entry	O2 %	CO2 %
08:25:00	1min avg:	14.565	4.662
08:26:00	1min avg:	14.568	4.661
08:27:00	1min avg:	14.567	4.660
08:28:00	1min avg:	14.562	4.663
08:29:00	1min avg:	14.562	4.665
08:30:00	1min avg:	14.562	4.667
08:31:00	1min avg:	14.563	4.667
08:32:00	1min avg:	14.561	4.669
08:33:00	1min avg:	14.559	4.668
08:34:00	1min avg:	14.558	4.668
08:35:00	1min avg:	14.561	4.669
08:36:00	1min avg:	14.559	4.669
08:37:00	1min avg:	14.555	4.673
08:38:00	1min avg:	14.560	4.669
08:39:00	1min avg:	14.553	4.674
08:40:00	1min avg:	14.558	4.670
08:41:00	1min avg:	14.559	4.669
08:42:00	1min avg:	14.559	4.669
08:43:00	1min avg:	14.555	4.669
08:44:00	1min avg:	14.557	4.669
08:45:00	1min avg:	14.553	4.670
08:46:00	1min avg:	14.551	4.676
08:47:00	1min avg:	14.552	4.671
08:48:00	1min avg:	14.558	4.669
08:49:00	1min avg:	14.558	4.668
08:50:00	1min avg:	14.554	4.672
08:51:00	1min avg:	14.561	4.666
08:52:00	1min avg:	14.552	4.673
08:53:00	1min avg:	14.559	4.668
08:54:00	1min avg:	14.561	4.668
08:55:00	1min avg:	14.562	4.667
08:56:00	1min avg:	14.559	4.670
08:57:00	1min avg:	14.554	4.673
08:58:00	1min avg:	14.552	4.675
08:59:00	1min avg:	14.559	4.669
09:00:00	1min avg:	14.557	4.673
09:01:00	1min avg:	14.552	4.675
09:02:00	1min avg:	14.553	4.675
09:03:00	1min avg:	14.550	4.674
09:04:00	1min avg:	14.546	4.678
09:05:00	1min avg:	14.544	4.680
09:06:00	1min avg:	14.542	4.678
09:07:00	1min avg:	14.541	4.681
09:08:00	1min avg:	14.535	4.685
09:09:00	1min avg:	14.542	4.678
09:10:00	1min avg:	14.542	4.678
09:11:00	1min avg:	14.538	4.680
09:12:00	1min avg:	14.538	4.681
09:13:00	1min avg:	14.543	4.679
09:14:00	1min avg:	14.538	4.682

GP 2022 September 19
Test Run 1

Start:	9/19/2022	7:34:00
End:	9/19/2022	11:27:00

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Time	Entry	O2 %	CO2 %
09:15:00	1min avg:	14.540	4.681
09:16:00	1min avg:	14.539	4.681
09:17:00	1min avg:	14.534	4.684
09:18:00	1min avg:	14.540	4.679
09:19:00	1min avg:	14.540	4.679
09:20:00	1min avg:	14.540	4.681
09:21:00	1min avg:	14.536	4.684
09:22:00	1min avg:	14.542	4.677
09:23:00	1min avg:	14.541	4.677
09:24:00	1min avg:	14.549	4.674
09:25:00	1min avg:	14.545	4.673
09:26:00	1min avg:	14.543	4.676
09:27:00	1min avg:	14.543	4.679
09:28:00	1min avg:	14.548	4.676
09:29:00	1min avg:	14.556	4.673
09:30:00	1min avg:	14.546	4.676
09:31:00	1min avg:	14.546	4.679
09:32:00	1min avg:	14.548	4.677
09:33:00	1min avg:	14.549	4.673
09:34:00	1min avg:	14.548	4.675
09:35:00	1min avg:	14.546	4.675
09:36:00	1min avg:	14.543	4.677
09:37:00	1min avg:	14.543	4.675
09:38:00	1min avg:	14.549	4.673
09:39:00	1min avg:	14.541	4.678
09:40:00	1min avg:	14.547	4.677
09:41:00	1min avg:	14.540	4.679
09:42:00	1min avg:	14.537	4.680
09:43:00	1min avg:	14.540	4.677
09:44:00	1min avg:	14.540	4.679
09:45:00	1min avg:	14.532	4.685
09:46:00	1min avg:	14.528	4.687
09:47:00	1min avg:	14.532	4.684
09:48:00	1min avg:	14.543	4.677
09:49:00	1min avg:	14.539	4.681
09:50:00	1min avg:	14.532	4.686
09:51:00	1min avg:	14.524	4.690
09:52:00	1min avg:	14.528	4.685
09:53:00	1min avg:	14.534	4.684
09:54:00	1min avg:	14.531	4.686
09:55:00	1min avg:	14.537	4.683
09:56:00	1min avg:	14.534	4.682
09:57:00	1min avg:	14.539	4.682
09:58:00	1min avg:	14.530	4.686
09:59:00	1min avg:	14.529	4.688
10:00:00	1min avg:	14.529	4.690
10:01:00	1min avg:	14.529	4.688
10:02:00	1min avg:	14.531	4.689
10:03:00	1min avg:	14.535	4.684
10:04:00	1min avg:	14.535	4.684

GP 2022 September 19
Test Run 1

Start:	9/19/2022	7:34:00
End:	9/19/2022	11:27:00

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Time	Entry	O2 %	CO2 %
10:05:00	1min avg:	14.535	4.688
10:06:00	1min avg:	14.532	4.690
10:07:00	1min avg:	14.531	4.687
10:08:00	1min avg:	14.538	4.684
10:09:00	1min avg:	14.534	4.685
10:10:00	1min avg:	14.531	4.687
10:11:00	1min avg:	14.531	4.685
10:12:00	1min avg:	14.531	4.688
10:13:00	1min avg:	14.531	4.686
10:14:00	1min avg:	14.528	4.690
10:15:00	1min avg:	14.518	4.695
10:16:00	1min avg:	14.521	4.694
10:17:00	1min avg:	14.519	4.695
10:18:00	1min avg:	14.515	4.699
10:19:00	1min avg:	14.518	4.696
10:20:00	1min avg:	14.523	4.691
10:21:00	1min avg:	14.514	4.698
10:22:00	1min avg:	14.519	4.700
10:23:00	1min avg:	14.517	4.696
10:24:00	1min avg:	14.514	4.700
10:25:00	1min avg:	14.520	4.695
10:26:00	1min avg:	14.514	4.701
10:27:00	1min avg:	14.516	4.698
10:28:00	1min avg:	14.513	4.700
10:29:00	1min avg:	14.511	4.702
10:30:00	1min avg:	14.510	4.700
10:31:00	1min avg:	14.513	4.697
10:32:00	1min avg:	14.506	4.702
10:33:00	1min avg:	14.494	4.711
10:34:00	1min avg:	14.496	4.710
10:35:00	1min avg:	14.494	4.711
10:36:00	1min avg:	14.497	4.705
10:37:00	1min avg:	14.497	4.707
10:38:00	1min avg:	14.484	4.713
10:39:00	1min avg:	14.477	4.719
10:40:00	1min avg:	14.478	4.718
10:41:00	1min avg:	14.481	4.716
10:42:00	1min avg:	14.485	4.717
10:43:00	1min avg:	14.490	4.712
10:44:00	1min avg:	14.483	4.717
10:45:00	1min avg:	14.487	4.716
10:46:00	1min avg:	14.488	4.716
10:47:00	1min avg:	14.492	4.712
10:48:00	1min avg:	14.492	4.711
10:49:00	1min avg:	14.496	4.708
10:50:00	1min avg:	14.491	4.710
10:51:00	1min avg:	14.480	4.718
10:52:00	1min avg:	14.469	4.725
10:53:00	1min avg:	14.479	4.716
10:54:00	1min avg:	14.484	4.712

GP 2022 September 19
Test Run 1

Start:	9/19/2022	7:34:00
End:	9/19/2022	11:27:00

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Time	Entry	O2 %	CO2 %
10:55:00	1min avg:	14.472	4.719
10:56:00	1min avg:	14.474	4.720
10:57:00	1min avg:	14.477	4.719
10:58:00	1min avg:	14.479	4.718
10:59:00	1min avg:	14.482	4.713
11:00:00	1min avg:	14.481	4.713
11:01:00	1min avg:	14.486	4.713
11:02:00	1min avg:	14.490	4.710
11:03:00	1min avg:	14.482	4.714
11:04:00	1min avg:	14.472	4.722
11:05:00	1min avg:	14.478	4.719
11:06:00	1min avg:	14.482	4.713
11:07:00	1min avg:	14.466	4.727
11:08:00	1min avg:	14.459	4.731
11:09:00	1min avg:	14.475	4.720
11:10:00	1min avg:	14.480	4.716
11:11:00	1min avg:	14.484	4.712
11:12:00	1min avg:	14.483	4.711
11:13:00	1min avg:	14.482	4.711
11:14:00	1min avg:	14.461	4.726
11:15:00	1min avg:	14.445	4.736
11:16:00	1min avg:	14.458	4.726
11:17:00	1min avg:	14.461	4.726
11:18:00	1min avg:	14.456	4.726
11:19:00	1min avg:	14.455	4.729
11:20:00	1min avg:	14.455	4.729
11:21:00	1min avg:	14.472	4.718
11:22:00	1min avg:	14.455	4.728
11:23:00	1min avg:	14.456	4.728
11:24:00	1min avg:	14.463	4.723
11:25:00	1min avg:	14.478	4.711
11:26:00	1min avg:	14.475	4.717
11:27:00	1min avg:	14.472	4.718
11:27:00	Test Avgs:	14.535	4.682

GP 2022 September 19
Test Run 2

Start:	9/19/2022	11:36:00
End:	9/19/2022	15:06:00

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Time	Entry	O2 %	CO2 %
11:37:00	1min avg:	14.477	4.715
11:38:00	1min avg:	14.480	4.711
11:39:00	1min avg:	14.472	4.715
11:40:00	1min avg:	14.474	4.718
11:41:00	1min avg:	14.487	4.711
11:42:00	1min avg:	14.482	4.713
11:43:00	1min avg:	14.481	4.713
11:44:00	1min avg:	14.488	4.709
11:45:00	1min avg:	14.480	4.714
11:46:00	1min avg:	14.479	4.715
11:47:00	1min avg:	14.485	4.710
11:48:00	1min avg:	14.476	4.719
11:49:00	1min avg:	14.479	4.715
11:50:00	1min avg:	14.468	4.722
11:51:00	1min avg:	14.469	4.722
11:52:00	1min avg:	14.464	4.725
11:53:00	1min avg:	14.469	4.724
11:54:00	1min avg:	14.465	4.724
11:55:00	1min avg:	14.466	4.727
11:56:00	1min avg:	14.464	4.726
11:57:00	1min avg:	14.468	4.723
11:58:00	1min avg:	14.481	4.716
11:59:00	1min avg:	14.458	4.729
12:00:00	1min avg:	14.442	4.741
12:01:00	1min avg:	14.458	4.730
12:02:00	1min avg:	14.472	4.719
12:03:00	1min avg:	14.470	4.719
12:04:00	1min avg:	14.468	4.721
12:05:00	1min avg:	14.473	4.715
12:06:00	1min avg:	14.469	4.718
12:07:00	1min avg:	14.476	4.716
12:08:00	1min avg:	14.474	4.718
12:09:00	1min avg:	14.475	4.716
12:10:00	1min avg:	14.473	4.718
12:11:00	1min avg:	14.473	4.720
12:12:00	1min avg:	14.479	4.715
12:13:00	1min avg:	14.471	4.720
12:14:00	1min avg:	14.475	4.717
12:15:00	1min avg:	14.468	4.724
12:16:00	1min avg:	14.472	4.719
12:17:00	1min avg:	14.466	4.723
12:18:00	1min avg:	14.473	4.721
12:19:00	1min avg:	14.473	4.717
12:20:00	1min avg:	14.475	4.712
12:21:00	1min avg:	14.477	4.711

GP 2022 September 19
Test Run 2

Start:	9/19/2022	11:36:00
End:	9/19/2022	15:06:00

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Time	Entry	O2 %	CO2 %
12:22:00	1min avg:	14.466	4.720
12:23:00	1min avg:	14.472	4.717
12:24:00	1min avg:	14.459	4.728
12:25:00	1min avg:	14.449	4.735
12:26:00	1min avg:	14.459	4.728
12:27:00	1min avg:	14.449	4.733
12:28:00	1min avg:	14.464	4.722
12:29:00	1min avg:	14.457	4.728
12:30:00	1min avg:	14.443	4.735
12:31:00	1min avg:	14.462	4.723
12:32:00	1min avg:	14.455	4.726
12:33:00	1min avg:	14.452	4.728
12:34:00	1min avg:	14.443	4.738
12:35:00	1min avg:	14.457	4.726
12:36:00	1min avg:	14.458	4.727
12:37:00	1min avg:	14.448	4.734
12:38:00	1min avg:	14.445	4.736
12:39:00	1min avg:	14.457	4.727
12:40:00	1min avg:	14.452	4.730
12:41:00	1min avg:	14.448	4.729
12:42:00	1min avg:	14.443	4.734
12:43:00	1min avg:	14.441	4.738
12:44:00	1min avg:	14.444	4.733
12:45:00	1min avg:	14.444	4.733
12:46:00	1min avg:	14.441	4.734
12:47:00	1min avg:	14.442	4.733
12:48:00	1min avg:	14.440	4.732
12:49:00	1min avg:	14.435	4.738
12:50:00	1min avg:	14.443	4.733
12:51:00	1min avg:	14.453	4.726
12:52:00	1min avg:	14.459	4.720
12:53:00	1min avg:	14.458	4.721
12:54:00	1min avg:	14.460	4.721
12:55:00	1min avg:	14.425	4.724
12:56:00	1min avg:	14.441	4.735
12:57:00	1min avg:	14.458	4.730
12:58:00	1min avg:	14.452	4.741
12:59:00	1min avg:	14.467	4.730
13:00:00	1min avg:	14.468	4.731
13:01:00	1min avg:	14.454	4.740
13:02:00	1min avg:	14.467	4.732
13:03:00	1min avg:	14.461	4.737
13:04:00	1min avg:	14.465	4.735
13:05:00	1min avg:	14.473	4.730
13:06:00	1min avg:	14.473	4.729

GP 2022 September 19
Test Run 2

Start:	9/19/2022	11:36:00
End:	9/19/2022	15:06:00

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Time	Entry	O2 %	CO2 %
13:07:00	1min avg:	14.473	4.731
13:08:00	1min avg:	14.476	4.728
13:09:00	1min avg:	14.478	4.728
13:10:00	1min avg:	14.475	4.729
13:11:00	1min avg:	14.565	4.732
13:12:00	1min avg:	14.405	4.730
13:13:00	1min avg:	14.407	4.729
13:14:00	1min avg:	14.402	4.734
13:15:00	1min avg:	14.399	4.734
13:16:00	1min avg:	14.401	4.733
13:17:00	1min avg:	14.404	4.727
13:18:00	1min avg:	14.395	4.732
13:19:00	1min avg:	14.384	4.740
13:20:00	1min avg:	14.374	4.748
13:21:00	1min avg:	14.384	4.741
13:22:00	1min avg:	14.375	4.747
13:23:00	1min avg:	14.370	4.749
13:24:00	1min avg:	14.362	4.753
13:25:00	1min avg:	14.366	4.749
13:26:00	1min avg:	14.414	4.748
13:27:00	1min avg:	14.466	4.755
13:28:00	1min avg:	14.460	4.762
13:29:00	1min avg:	14.470	4.756
13:30:00	1min avg:	14.467	4.757
13:31:00	1min avg:	14.472	4.754
13:32:00	1min avg:	14.473	4.755
13:33:00	1min avg:	14.572	4.751
13:34:00	1min avg:	14.434	4.750
13:35:00	1min avg:	14.427	4.756
13:36:00	1min avg:	14.441	4.746
13:37:00	1min avg:	14.449	4.739
13:38:00	1min avg:	14.442	4.743
13:39:00	1min avg:	14.452	4.739
13:40:00	1min avg:	14.448	4.740
13:41:00	1min avg:	14.458	4.732
13:42:00	1min avg:	14.449	4.734
13:43:00	1min avg:	14.408	4.736
13:44:00	1min avg:	14.421	4.727
13:45:00	1min avg:	14.411	4.733
13:46:00	1min avg:	14.416	4.730
13:47:00	1min avg:	14.418	4.730
13:48:00	1min avg:	14.418	4.728
13:49:00	1min avg:	14.417	4.732
13:50:00	1min avg:	14.413	4.733
13:51:00	1min avg:	14.413	4.733

GP 2022 September 19
Test Run 2

Start:	9/19/2022	11:36:00
End:	9/19/2022	15:06:00

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Time	Entry	O2 %	CO2 %
13:52:00	1min avg:	14.407	4.737
13:53:00	1min avg:	14.407	4.737
13:54:00	1min avg:	14.408	4.738
13:55:00	1min avg:	14.408	4.737
13:56:00	1min avg:	14.405	4.742
13:57:00	1min avg:	14.398	4.736
13:58:00	1min avg:	14.386	4.749
13:59:00	1min avg:	14.379	4.752
14:00:00	1min avg:	14.364	4.763
14:01:00	1min avg:	14.355	4.767
14:02:00	1min avg:	14.365	4.763
14:03:00	1min avg:	14.376	4.752
14:04:00	1min avg:	14.373	4.754
14:05:00	1min avg:	14.349	4.745
14:06:00	1min avg:	14.365	4.748
14:07:00	1min avg:	14.354	4.758
14:08:00	1min avg:	14.357	4.757
14:09:00	1min avg:	14.363	4.751
14:10:00	1min avg:	14.363	4.754
14:11:00	1min avg:	14.365	4.755
14:12:00	1min avg:	14.375	4.748
14:13:00	1min avg:	14.377	4.748
14:14:00	1min avg:	14.381	4.746
14:15:00	1min avg:	14.729	4.745
14:16:00	1min avg:	14.405	4.745
14:17:00	1min avg:	14.410	4.742
14:18:00	1min avg:	14.411	4.734
14:19:00	1min avg:	14.399	4.743
14:20:00	1min avg:	14.395	4.750
14:21:00	1min avg:	14.394	4.740
14:22:00	1min avg:	14.451	4.743
14:23:00	1min avg:	14.457	4.741
14:24:00	1min avg:	14.469	4.735
14:25:00	1min avg:	14.468	4.736
14:26:00	1min avg:	14.467	4.737
14:27:00	1min avg:	14.471	4.734
14:28:00	1min avg:	14.475	4.730
14:29:00	1min avg:	14.468	4.738
14:30:00	1min avg:	14.374	4.739
14:31:00	1min avg:	14.381	4.734
14:32:00	1min avg:	14.379	4.733
14:33:00	1min avg:	14.368	4.739
14:34:00	1min avg:	14.369	4.739
14:35:00	1min avg:	14.371	4.737
14:36:00	1min avg:	14.357	4.747

GP 2022 September 19
Test Run 2

Start:	9/19/2022	11:36:00
End:	9/19/2022	15:06:00

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Time	Entry	O2 %	CO2 %
14:37:00	1min avg:	14.341	4.750
14:38:00	1min avg:	14.330	4.754
14:39:00	1min avg:	14.328	4.754
14:40:00	1min avg:	14.334	4.753
14:41:00	1min avg:	14.331	4.756
14:42:00	1min avg:	14.325	4.761
14:43:00	1min avg:	14.337	4.752
14:44:00	1min avg:	14.328	4.759
14:45:00	1min avg:	14.329	4.760
14:46:00	1min avg:	14.345	4.746
14:47:00	1min avg:	14.332	4.755
14:48:00	1min avg:	14.333	4.758
14:49:00	1min avg:	14.326	4.762
14:50:00	1min avg:	14.340	4.752
14:51:00	1min avg:	14.338	4.754
14:52:00	1min avg:	14.306	4.759
14:53:00	1min avg:	14.235	4.768
14:54:00	1min avg:	14.254	4.755
14:55:00	1min avg:	14.244	4.757
14:56:00	1min avg:	14.240	4.761
14:57:00	1min avg:	14.244	4.758
14:58:00	1min avg:	14.256	4.750
14:59:00	1min avg:	14.247	4.760
15:00:00	1min avg:	14.261	4.749
15:01:00	1min avg:	14.255	4.753
15:02:00	1min avg:	14.247	4.758
15:03:00	1min avg:	14.249	4.758
15:04:00	1min avg:	14.249	4.754
15:05:00	1min avg:	14.241	4.762
15:06:00	1min avg:	14.246	4.756
15:06:00	Test Avgs:	14.419	4.737

GP 2022 September 19
Test Run 3

Start:	9/19/2022	15:16:00
End:	9/19/2022	19:13:00

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Time	Entry	O2 %	CO2 %
15:17:00	1min avg:	14.346	4.767
15:18:00	1min avg:	14.367	4.755
15:19:00	1min avg:	14.369	4.756
15:20:00	1min avg:	14.365	4.757
15:21:00	1min avg:	14.373	4.755
15:22:00	1min avg:	14.371	4.757
15:23:00	1min avg:	14.364	4.765
15:24:00	1min avg:	14.372	4.755
15:25:00	1min avg:	14.376	4.754
15:26:00	1min avg:	14.382	4.749
15:27:00	1min avg:	14.383	4.753
15:28:00	1min avg:	14.379	4.755
15:29:00	1min avg:	14.378	4.759
15:30:00	1min avg:	14.382	4.753
15:31:00	1min avg:	14.383	4.754
15:32:00	1min avg:	14.378	4.757
15:33:00	1min avg:	14.372	4.761
15:34:00	1min avg:	14.376	4.758
15:35:00	1min avg:	14.484	4.759
15:36:00	1min avg:	14.498	4.759
15:37:00	1min avg:	14.498	4.757
15:38:00	1min avg:	14.495	4.757
15:39:00	1min avg:	14.484	4.765
15:40:00	1min avg:	14.474	4.772
15:41:00	1min avg:	14.461	4.778
15:42:00	1min avg:	14.468	4.775
15:43:00	1min avg:	14.482	4.766
15:44:00	1min avg:	14.487	4.762
15:45:00	1min avg:	14.474	4.769
15:46:00	1min avg:	14.478	4.769
15:47:00	1min avg:	14.482	4.767
15:48:00	1min avg:	14.504	4.752
15:49:00	1min avg:	14.515	4.743
15:50:00	1min avg:	14.529	4.735
15:51:00	1min avg:	14.537	4.727
15:52:00	1min avg:	14.537	4.727
15:53:00	1min avg:	14.550	4.717
15:54:00	1min avg:	14.568	4.706
15:55:00	1min avg:	14.555	4.714
15:56:00	1min avg:	14.556	4.715
15:57:00	1min avg:	14.554	4.718
15:58:00	1min avg:	14.543	4.726
15:59:00	1min avg:	14.546	4.721
16:00:00	1min avg:	14.548	4.723
16:01:00	1min avg:	14.552	4.721
16:02:00	1min avg:	14.556	4.719
16:03:00	1min avg:	14.549	4.723
16:04:00	1min avg:	14.509	4.727
16:05:00	1min avg:	14.470	4.726
16:06:00	1min avg:	14.470	4.731

GP 2022 September 19
Test Run 3

Start:	9/19/2022	15:16:00
End:	9/19/2022	19:13:00

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Time	Entry	O2 %	CO2 %
16:07:00	1min avg:	14.470	4.734
16:08:00	1min avg:	14.462	4.740
16:09:00	1min avg:	14.477	4.733
16:10:00	1min avg:	14.477	4.734
16:11:00	1min avg:	14.474	4.736
16:12:00	1min avg:	14.490	4.724
16:13:00	1min avg:	14.493	4.722
16:14:00	1min avg:	14.479	4.733
16:15:00	1min avg:	14.482	4.730
16:16:00	1min avg:	14.491	4.724
16:17:00	1min avg:	14.545	4.735
16:18:00	1min avg:	14.451	4.729
16:19:00	1min avg:	14.442	4.734
16:20:00	1min avg:	14.443	4.734
16:21:00	1min avg:	14.447	4.732
16:22:00	1min avg:	14.434	4.740
16:23:00	1min avg:	14.423	4.743
16:24:00	1min avg:	14.422	4.745
16:25:00	1min avg:	14.429	4.740
16:26:00	1min avg:	14.431	4.741
16:27:00	1min avg:	14.423	4.745
16:28:00	1min avg:	14.422	4.746
16:29:00	1min avg:	14.415	4.750
16:30:00	1min avg:	14.419	4.747
16:31:00	1min avg:	14.409	4.754
16:32:00	1min avg:	14.422	4.746
16:33:00	1min avg:	14.419	4.747
16:34:00	1min avg:	14.420	4.746
16:35:00	1min avg:	14.414	4.749
16:36:00	1min avg:	14.418	4.745
16:37:00	1min avg:	14.412	4.752
16:38:00	1min avg:	14.422	4.746
16:39:00	1min avg:	14.404	4.757
16:40:00	1min avg:	14.381	4.753
16:41:00	1min avg:	14.566	4.753
16:42:00	1min avg:	14.554	4.764
16:43:00	1min avg:	14.565	4.757
16:44:00	1min avg:	14.569	4.758
16:45:00	1min avg:	14.578	4.749
16:46:00	1min avg:	14.568	4.758
16:47:00	1min avg:	14.551	4.773
16:48:00	1min avg:	14.564	4.762
16:49:00	1min avg:	14.573	4.760
16:50:00	1min avg:	14.571	4.758
16:51:00	1min avg:	14.560	4.768
16:52:00	1min avg:	14.563	4.765
16:53:00	1min avg:	14.562	4.766
16:54:00	1min avg:	14.569	4.765
16:55:00	1min avg:	14.561	4.769
16:56:00	1min avg:	14.565	4.766

GP 2022 September 19
Test Run 3

Start:	9/19/2022	15:16:00
End:	9/19/2022	19:13:00

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Time	Entry	O2 %	CO2 %
16:57:00	1min avg:	14.710	4.771
16:58:00	1min avg:	14.464	4.764
16:59:00	1min avg:	14.464	4.760
17:00:00	1min avg:	14.461	4.762
17:01:00	1min avg:	14.463	4.758
17:02:00	1min avg:	14.479	4.747
17:03:00	1min avg:	14.479	4.748
17:04:00	1min avg:	14.475	4.749
17:05:00	1min avg:	14.478	4.747
17:06:00	1min avg:	14.477	4.749
17:07:00	1min avg:	14.475	4.750
17:08:00	1min avg:	14.485	4.745
17:09:00	1min avg:	14.476	4.753
17:10:00	1min avg:	14.472	4.756
17:11:00	1min avg:	14.462	4.761
17:12:00	1min avg:	14.467	4.757
17:13:00	1min avg:	14.464	4.761
17:14:00	1min avg:	14.464	4.763
17:15:00	1min avg:	14.463	4.765
17:16:00	1min avg:	14.464	4.767
17:17:00	1min avg:	14.471	4.763
17:18:00	1min avg:	14.462	4.772
17:19:00	1min avg:	14.461	4.773
17:20:00	1min avg:	14.463	4.773
17:21:00	1min avg:	14.469	4.763
17:22:00	1min avg:	14.474	4.762
17:23:00	1min avg:	14.479	4.763
17:24:00	1min avg:	14.474	4.763
17:25:00	1min avg:	14.470	4.761
17:26:00	1min avg:	14.466	4.764
17:27:00	1min avg:	14.470	4.759
17:28:00	1min avg:	14.469	4.758
17:29:00	1min avg:	14.473	4.754
17:30:00	1min avg:	14.475	4.753
17:31:00	1min avg:	14.475	4.753
17:32:00	1min avg:	14.473	4.753
17:33:00	1min avg:	14.477	4.753
17:34:00	1min avg:	14.468	4.755
17:35:00	1min avg:	14.474	4.753
17:36:00	1min avg:	14.466	4.754
17:37:00	1min avg:	14.466	4.758
17:38:00	1min avg:	14.466	4.760
17:39:00	1min avg:	14.469	4.759
17:40:00	1min avg:	14.470	4.754
17:41:00	1min avg:	14.481	4.746
17:42:00	1min avg:	14.475	4.748
17:43:00	1min avg:	14.481	4.747
17:44:00	1min avg:	14.486	4.744
17:45:00	1min avg:	14.488	4.743
17:46:00	1min avg:	14.484	4.744

GP 2022 September 19
Test Run 3

Start:	9/19/2022	15:16:00
End:	9/19/2022	19:13:00

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Time	Entry	O2 %	CO2 %
17:47:00	1min avg:	14.481	4.743
17:48:00	1min avg:	14.488	4.741
17:49:00	1min avg:	14.489	4.742
17:50:00	1min avg:	14.490	4.743
17:51:00	1min avg:	14.496	4.739
17:52:00	1min avg:	14.504	4.739
17:53:00	1min avg:	14.505	4.739
17:54:00	1min avg:	14.505	4.741
17:55:00	1min avg:	14.502	4.741
17:56:00	1min avg:	14.504	4.738
17:57:00	1min avg:	14.504	4.738
17:58:00	1min avg:	14.505	4.737
17:59:00	1min avg:	14.501	4.737
18:00:00	1min avg:	14.498	4.742
18:01:00	1min avg:	14.498	4.741
18:02:00	1min avg:	14.498	4.744
18:03:00	1min avg:	14.503	4.743
18:04:00	1min avg:	14.510	4.745
18:05:00	1min avg:	14.518	4.740
18:06:00	1min avg:	14.518	4.739
18:07:00	1min avg:	14.513	4.740
18:08:00	1min avg:	14.516	4.739
18:09:00	1min avg:	14.514	4.741
18:10:00	1min avg:	14.514	4.741
18:11:00	1min avg:	14.522	4.739
18:12:00	1min avg:	14.520	4.735
18:13:00	1min avg:	14.515	4.739
18:14:00	1min avg:	14.509	4.738
18:15:00	1min avg:	14.507	4.740
18:16:00	1min avg:	14.508	4.735
18:17:00	1min avg:	14.514	4.734
18:18:00	1min avg:	14.518	4.727
18:19:00	1min avg:	14.515	4.732
18:20:00	1min avg:	14.507	4.739
18:21:00	1min avg:	14.511	4.733
18:22:00	1min avg:	14.514	4.730
18:23:00	1min avg:	14.510	4.735
18:24:00	1min avg:	14.509	4.732
18:25:00	1min avg:	14.513	4.731
18:26:00	1min avg:	14.522	4.721
18:27:00	1min avg:	14.520	4.726
18:28:00	1min avg:	14.521	4.728
18:29:00	1min avg:	14.521	4.729
18:30:00	1min avg:	14.521	4.729
18:31:00	1min avg:	14.520	4.728
18:32:00	1min avg:	14.519	4.726
18:33:00	1min avg:	14.522	4.729
18:34:00	1min avg:	14.519	4.729
18:35:00	1min avg:	14.521	4.726
18:36:00	1min avg:	14.519	4.728

GP 2022 September 19
Test Run 3

Start:	9/19/2022	15:16:00
End:	9/19/2022	19:13:00

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Time	Entry	O2 %	CO2 %
18:37:00	1min avg:	14.511	4.734
18:38:00	1min avg:	14.516	4.729
18:39:00	1min avg:	14.514	4.731
18:40:00	1min avg:	14.522	4.725
18:41:00	1min avg:	14.526	4.725
18:42:00	1min avg:	14.533	4.723
18:43:00	1min avg:	14.530	4.724
18:44:00	1min avg:	14.528	4.724
18:45:00	1min avg:	14.527	4.724
18:46:00	1min avg:	14.523	4.728
18:47:00	1min avg:	14.530	4.725
18:48:00	1min avg:	14.532	4.724
18:49:00	1min avg:	14.533	4.726
18:50:00	1min avg:	14.558	4.727
18:51:00	1min avg:	14.581	4.725
18:52:00	1min avg:	14.584	4.723
18:53:00	1min avg:	14.583	4.726
18:54:00	1min avg:	14.588	4.723
18:55:00	1min avg:	14.590	4.720
18:56:00	1min avg:	14.592	4.723
18:57:00	1min avg:	14.598	4.721
18:58:00	1min avg:	14.597	4.723
18:59:00	1min avg:	14.615	4.722
19:00:00	1min avg:	14.450	4.712
19:01:00	1min avg:	14.449	4.712
19:02:00	1min avg:	14.444	4.714
19:03:00	1min avg:	14.436	4.719
19:04:00	1min avg:	14.437	4.718
19:05:00	1min avg:	14.441	4.715
19:06:00	1min avg:	14.440	4.714
19:07:00	1min avg:	14.436	4.718
19:08:00	1min avg:	14.436	4.716
19:09:00	1min avg:	14.439	4.717
19:10:00	1min avg:	14.442	4.713
19:11:00	1min avg:	14.439	4.714
19:12:00	1min avg:	14.436	4.714
19:13:00	Test Avgs:	14.487	4.743

GP 2022 September 20
Test Run 1

Start:	9/20/2022	8:04:00
End:	9/20/2022	12:07:00

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Time	Entry	O2 %	CO2 %
08:04:59	1min avg:	14.681	4.695
08:05:59	1min avg:	14.684	4.689
08:06:59	1min avg:	14.680	4.694
08:07:59	1min avg:	14.680	4.693
08:08:59	1min avg:	14.677	4.697
08:09:59	1min avg:	14.683	4.691
08:10:59	1min avg:	14.678	4.694
08:11:59	1min avg:	14.674	4.697
08:12:59	1min avg:	14.674	4.698
08:13:59	1min avg:	14.675	4.697
08:14:59	1min avg:	14.667	4.702
08:15:59	1min avg:	14.672	4.699
08:16:59	1min avg:	14.671	4.700
08:17:59	1min avg:	14.669	4.704
08:18:59	1min avg:	14.665	4.710
08:19:59	1min avg:	14.661	4.711
08:20:59	1min avg:	14.664	4.705
08:21:59	1min avg:	14.667	4.706
08:22:59	1min avg:	14.671	4.704
08:23:59	1min avg:	14.669	4.709
08:24:59	1min avg:	14.672	4.706
08:25:59	1min avg:	14.673	4.705
08:26:59	1min avg:	14.667	4.711
08:27:59	1min avg:	14.665	4.712
08:28:59	1min avg:	14.664	4.710
08:29:59	1min avg:	14.652	4.715
08:30:59	1min avg:	14.651	4.716
08:31:59	1min avg:	14.656	4.715
08:32:59	1min avg:	14.664	4.707
08:33:59	1min avg:	14.654	4.714
08:34:59	1min avg:	14.655	4.712
08:35:59	1min avg:	14.660	4.710
08:36:59	1min avg:	14.651	4.714
08:37:59	1min avg:	14.661	4.706
08:38:59	1min avg:	14.653	4.712
08:39:59	1min avg:	14.640	4.723
08:40:59	1min avg:	14.635	4.721
08:41:59	1min avg:	14.622	4.724
08:42:59	1min avg:	14.620	4.725
08:43:59	1min avg:	14.626	4.721
08:44:59	1min avg:	14.622	4.725
08:45:59	1min avg:	14.622	4.724
08:46:59	1min avg:	14.622	4.724
08:47:59	1min avg:	14.628	4.723
08:48:59	1min avg:	14.628	4.721
08:49:59	1min avg:	14.589	4.723
08:50:59	1min avg:	14.651	4.723
08:51:59	1min avg:	14.662	4.721
08:52:59	1min avg:	14.667	4.725
08:53:59	1min avg:	14.667	4.729
08:54:59	1min avg:	14.669	4.729
08:55:59	1min avg:	14.665	4.732

GP 2022 September 20
Test Run 1

Start:	9/20/2022	8:04:00
End:	9/20/2022	12:07:00

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Time	Entry	O2 %	CO2 %
08:56:59	1min avg:	14.668	4.732
08:57:59	1min avg:	14.664	4.736
08:58:59	1min avg:	14.672	4.728
08:59:59	1min avg:	14.670	4.733
09:00:59	1min avg:	14.656	4.740
09:01:59	1min avg:	14.648	4.744
09:02:59	1min avg:	14.654	4.739
09:03:59	1min avg:	14.661	4.739
09:04:59	1min avg:	14.660	4.738
09:05:59	1min avg:	14.662	4.737
09:06:59	1min avg:	14.670	4.734
09:07:59	1min avg:	14.664	4.740
09:08:59	1min avg:	14.654	4.747
09:09:59	1min avg:	14.655	4.746
09:10:59	1min avg:	14.654	4.745
09:11:59	1min avg:	14.527	4.738
09:12:59	1min avg:	14.515	4.745
09:13:59	1min avg:	14.514	4.747
09:14:59	1min avg:	14.520	4.738
09:15:59	1min avg:	14.516	4.742
09:16:59	1min avg:	14.506	4.745
09:17:59	1min avg:	14.484	4.763
09:18:59	1min avg:	14.494	4.751
09:19:59	1min avg:	14.515	4.739
09:20:59	1min avg:	14.518	4.736
09:21:59	1min avg:	14.530	4.726
09:22:59	1min avg:	14.516	4.737
09:23:59	1min avg:	14.516	4.737
09:24:59	1min avg:	14.512	4.743
09:25:59	1min avg:	14.517	4.736
09:26:59	1min avg:	14.509	4.742
09:27:59	1min avg:	14.514	4.738
09:28:59	1min avg:	14.503	4.748
09:29:59	1min avg:	14.504	4.749
09:30:59	1min avg:	14.500	4.748
09:31:59	1min avg:	14.503	4.749
09:32:59	1min avg:	14.505	4.749
09:33:59	1min avg:	14.503	4.748
09:34:59	1min avg:	14.504	4.745
09:35:59	1min avg:	14.502	4.749
09:36:59	1min avg:	14.496	4.750
09:37:59	1min avg:	14.509	4.743
09:38:59	1min avg:	14.538	4.745
09:39:59	1min avg:	14.586	4.756
09:40:59	1min avg:	14.597	4.751
09:41:59	1min avg:	14.602	4.748
09:42:59	1min avg:	14.585	4.762
09:43:59	1min avg:	14.588	4.761
09:44:59	1min avg:	14.596	4.755
09:45:59	1min avg:	14.570	4.758
09:46:59	1min avg:	14.479	4.751
09:47:59	1min avg:	14.478	4.749

GP 2022 September 20
Test Run 1

Start:	9/20/2022	8:04:00
End:	9/20/2022	12:07:00

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Time	Entry	O2 %	CO2 %
09:48:59	1min avg:	14.478	4.748
09:49:59	1min avg:	14.472	4.752
09:50:59	1min avg:	14.477	4.756
09:51:59	1min avg:	14.497	4.754
09:52:59	1min avg:	14.508	4.746
09:53:59	1min avg:	14.504	4.751
09:54:59	1min avg:	14.501	4.756
09:55:59	1min avg:	14.500	4.754
09:56:59	1min avg:	14.504	4.753
09:57:59	1min avg:	14.552	4.749
09:58:59	1min avg:	14.529	4.754
09:59:59	1min avg:	14.521	4.763
10:00:59	1min avg:	14.525	4.760
10:01:59	1min avg:	14.531	4.753
10:02:59	1min avg:	14.518	4.764
10:03:59	1min avg:	14.516	4.763
10:04:59	1min avg:	14.568	4.759
10:05:59	1min avg:	14.643	4.763
10:06:59	1min avg:	14.653	4.759
10:07:59	1min avg:	14.657	4.760
10:08:59	1min avg:	14.659	4.759
10:09:59	1min avg:	14.649	4.764
10:10:59	1min avg:	14.649	4.765
10:11:59	1min avg:	14.657	4.761
10:12:59	1min avg:	14.672	4.751
10:13:59	1min avg:	14.665	4.755
10:14:59	1min avg:	14.719	4.755
10:15:59	1min avg:	14.545	4.752
10:16:59	1min avg:	14.536	4.758
10:17:59	1min avg:	14.544	4.752
10:18:59	1min avg:	14.542	4.751
10:19:59	1min avg:	14.542	4.752
10:20:59	1min avg:	14.540	4.753
10:21:59	1min avg:	14.535	4.755
10:22:59	1min avg:	14.528	4.761
10:23:59	1min avg:	14.529	4.759
10:24:59	1min avg:	14.536	4.755
10:25:59	1min avg:	14.600	4.749
10:26:59	1min avg:	14.663	4.754
10:27:59	1min avg:	14.658	4.760
10:28:59	1min avg:	14.666	4.755
10:29:59	1min avg:	14.668	4.756
10:30:59	1min avg:	14.673	4.750
10:31:59	1min avg:	14.662	4.759
10:32:59	1min avg:	14.664	4.756
10:33:59	1min avg:	14.676	4.749
10:34:59	1min avg:	14.676	4.752
10:35:59	1min avg:	14.684	4.744
10:36:59	1min avg:	14.671	4.754
10:37:59	1min avg:	14.659	4.764
10:38:59	1min avg:	14.662	4.765
10:39:59	1min avg:	14.669	4.760

GP 2022 September 20
Test Run 1

Start:	9/20/2022	8:04:00
End:	9/20/2022	12:07:00

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Time	Entry	O2 %	CO2 %
10:40:59	1min avg:	14.666	4.761
10:41:59	1min avg:	14.594	4.750
10:42:59	1min avg:	14.528	4.747
10:43:59	1min avg:	14.528	4.750
10:44:59	1min avg:	14.519	4.754
10:45:59	1min avg:	14.512	4.757
10:46:59	1min avg:	14.514	4.757
10:47:59	1min avg:	14.518	4.754
10:48:59	1min avg:	14.518	4.753
10:49:59	1min avg:	14.524	4.765
10:50:59	1min avg:	14.607	4.759
10:51:59	1min avg:	14.612	4.758
10:52:59	1min avg:	14.603	4.766
10:53:59	1min avg:	14.603	4.768
10:54:59	1min avg:	14.603	4.768
10:55:59	1min avg:	14.619	4.761
10:56:59	1min avg:	14.623	4.755
10:57:59	1min avg:	14.619	4.760
10:58:59	1min avg:	14.624	4.756
10:59:59	1min avg:	14.622	4.759
11:00:59	1min avg:	14.616	4.762
11:01:59	1min avg:	14.611	4.769
11:02:59	1min avg:	14.618	4.760
11:03:59	1min avg:	14.630	4.753
11:04:59	1min avg:	14.626	4.758
11:05:59	1min avg:	14.720	4.749
11:06:59	1min avg:	14.535	4.748
11:07:59	1min avg:	14.513	4.759
11:08:59	1min avg:	14.525	4.749
11:09:59	1min avg:	14.508	4.759
11:10:59	1min avg:	14.496	4.768
11:11:59	1min avg:	14.514	4.755
11:12:59	1min avg:	14.508	4.759
11:13:59	1min avg:	14.497	4.766
11:14:59	1min avg:	14.512	4.755
11:15:59	1min avg:	14.668	4.766
11:16:59	1min avg:	14.761	4.767
11:17:59	1min avg:	14.758	4.770
11:18:59	1min avg:	14.764	4.764
11:19:59	1min avg:	14.760	4.765
11:20:59	1min avg:	14.751	4.771
11:21:59	1min avg:	14.763	4.765
11:22:59	1min avg:	14.765	4.764
11:23:59	1min avg:	14.831	4.757
11:24:59	1min avg:	14.553	4.761
11:25:59	1min avg:	14.552	4.758
11:26:59	1min avg:	14.544	4.766
11:27:59	1min avg:	14.556	4.757
11:28:59	1min avg:	14.538	4.769
11:29:59	1min avg:	14.523	4.779
11:30:59	1min avg:	14.492	4.771
11:31:59	1min avg:	14.522	4.772

GP 2022 September 20
Test Run 1

Start:	9/20/2022	8:04:00
End:	9/20/2022	12:07:00

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Time	Entry	O2 %	CO2 %
11:32:59	1min avg:	14.531	4.768
11:33:59	1min avg:	14.550	4.755
11:34:59	1min avg:	14.554	4.753
11:35:59	1min avg:	14.541	4.765
11:36:59	1min avg:	14.538	4.767
11:37:59	1min avg:	14.537	4.766
11:38:59	1min avg:	14.547	4.763
11:39:59	1min avg:	14.534	4.769
11:40:59	1min avg:	14.542	4.765
11:41:59	1min avg:	14.547	4.758
11:42:59	1min avg:	14.543	4.762
11:43:59	1min avg:	14.546	4.757
11:44:59	1min avg:	14.542	4.761
11:45:59	1min avg:	14.539	4.765
11:46:59	1min avg:	14.542	4.763
11:47:59	1min avg:	14.544	4.761
11:48:59	1min avg:	14.615	4.756
11:49:59	1min avg:	14.540	4.761
11:50:59	1min avg:	14.540	4.760
11:51:59	1min avg:	14.548	4.756
11:52:59	1min avg:	14.540	4.758
11:53:59	1min avg:	14.525	4.769
11:54:59	1min avg:	14.491	4.772
11:55:59	1min avg:	14.477	4.774
11:56:59	1min avg:	14.516	4.762
11:57:59	1min avg:	14.519	4.758
11:58:59	1min avg:	14.512	4.765
11:59:59	1min avg:	14.521	4.761
12:00:59	1min avg:	14.517	4.764
12:01:59	1min avg:	14.527	4.759
12:02:59	1min avg:	14.519	4.761
12:03:59	1min avg:	14.499	4.778
12:04:59	1min avg:	14.506	4.772
12:05:59	1min avg:	14.493	4.778
12:06:59	1min avg:	14.480	4.783
12:07:00	Test Avgs:	14.592	4.746

GP 2022 September 20
Test Run 2

Start:	9/20/2022	12:56:20
End:	9/20/2022	16:31:20

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Time	Entry	O2 %	CO2 %
12:57:19	1min avg:	14.515	4.777
12:58:19	1min avg:	14.510	4.779
12:59:19	1min avg:	14.506	4.781
13:00:19	1min avg:	14.512	4.770
13:01:19	1min avg:	14.501	4.783
13:02:19	1min avg:	14.658	4.790
13:03:19	1min avg:	14.655	4.788
13:04:19	1min avg:	14.645	4.800
13:05:19	1min avg:	14.652	4.797
13:06:19	1min avg:	14.670	4.783
13:07:19	1min avg:	14.670	4.783
13:08:19	1min avg:	14.670	4.783
13:09:19	1min avg:	14.658	4.792
13:10:19	1min avg:	14.671	4.784
13:11:19	1min avg:	14.573	4.779
13:12:19	1min avg:	14.437	4.781
13:13:19	1min avg:	14.444	4.776
13:14:19	1min avg:	14.451	4.769
13:15:19	1min avg:	14.429	4.785
13:16:19	1min avg:	14.427	4.784
13:17:19	1min avg:	14.418	4.789
13:18:19	1min avg:	14.438	4.775
13:19:19	1min avg:	14.436	4.776
13:20:19	1min avg:	14.426	4.782
13:21:19	1min avg:	14.421	4.784
13:22:19	1min avg:	14.522	4.784
13:23:19	1min avg:	14.582	4.788
13:24:19	1min avg:	14.597	4.780
13:25:19	1min avg:	14.596	4.779
13:26:19	1min avg:	14.579	4.790
13:27:19	1min avg:	14.607	4.772
13:28:19	1min avg:	14.606	4.773
13:29:19	1min avg:	14.594	4.783
13:30:19	1min avg:	14.600	4.780
13:31:19	1min avg:	14.597	4.781
13:32:19	1min avg:	14.606	4.776
13:33:19	1min avg:	14.600	4.781
13:34:19	1min avg:	14.448	4.776
13:35:19	1min avg:	14.369	4.774
13:36:19	1min avg:	14.364	4.777
13:37:19	1min avg:	14.366	4.773
13:38:19	1min avg:	14.355	4.781
13:39:19	1min avg:	14.342	4.790
13:40:19	1min avg:	14.324	4.803
13:41:19	1min avg:	14.323	4.801
13:42:19	1min avg:	14.337	4.792
13:43:19	1min avg:	14.348	4.783

GP 2022 September 20
Test Run 2

Start:	9/20/2022	12:56:20
End:	9/20/2022	16:31:20

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Time	Entry	O2 %	CO2 %
13:44:19	1min avg:	14.348	4.780
13:45:19	1min avg:	14.351	4.778
13:46:19	1min avg:	14.345	4.780
13:47:19	1min avg:	14.349	4.778
13:48:19	1min avg:	14.337	4.785
13:49:19	1min avg:	14.346	4.779
13:50:19	1min avg:	14.354	4.773
13:51:19	1min avg:	14.359	4.771
13:52:19	1min avg:	14.344	4.779
13:53:19	1min avg:	14.351	4.777
13:54:19	1min avg:	14.354	4.773
13:55:19	1min avg:	14.345	4.779
13:56:19	1min avg:	14.352	4.774
13:57:19	1min avg:	14.362	4.770
13:58:19	1min avg:	14.358	4.771
13:59:19	1min avg:	14.356	4.774
14:00:19	1min avg:	14.353	4.771
14:01:19	1min avg:	14.345	4.779
14:02:19	1min avg:	14.332	4.787
14:03:19	1min avg:	14.346	4.781
14:04:19	1min avg:	14.337	4.781
14:05:19	1min avg:	14.332	4.787
14:06:19	1min avg:	14.342	4.778
14:07:19	1min avg:	14.406	4.791
14:08:19	1min avg:	14.625	4.809
14:09:19	1min avg:	14.635	4.802
14:10:19	1min avg:	14.648	4.795
14:11:19	1min avg:	14.649	4.796
14:12:19	1min avg:	14.643	4.801
14:13:19	1min avg:	14.643	4.803
14:14:19	1min avg:	14.639	4.805
14:15:19	1min avg:	14.710	4.812
14:16:19	1min avg:	14.491	4.810
14:17:19	1min avg:	14.500	4.806
14:18:19	1min avg:	14.511	4.794
14:19:19	1min avg:	14.510	4.794
14:20:19	1min avg:	14.499	4.801
14:21:19	1min avg:	14.491	4.808
14:22:19	1min avg:	14.498	4.805
14:23:19	1min avg:	14.499	4.803
14:24:19	1min avg:	14.465	4.808
14:25:19	1min avg:	14.455	4.795
14:26:19	1min avg:	14.465	4.799
14:27:19	1min avg:	14.451	4.812
14:28:19	1min avg:	14.463	4.804
14:29:19	1min avg:	14.456	4.810
14:30:19	1min avg:	14.455	4.813

GP 2022 September 20
Test Run 2

Start:	9/20/2022	12:56:20
End:	9/20/2022	16:31:20

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Time	Entry	O2 %	CO2 %
14:31:19	1min avg:	14.472	4.800
14:32:19	1min avg:	14.478	4.797
14:33:19	1min avg:	14.477	4.797
14:34:19	1min avg:	14.486	4.794
14:35:19	1min avg:	14.468	4.805
14:36:19	1min avg:	14.487	4.792
14:37:19	1min avg:	14.493	4.785
14:38:19	1min avg:	14.494	4.787
14:39:19	1min avg:	14.479	4.796
14:40:19	1min avg:	14.477	4.795
14:41:19	1min avg:	14.518	4.785
14:42:19	1min avg:	14.482	4.780
14:43:19	1min avg:	14.491	4.778
14:44:19	1min avg:	14.484	4.782
14:45:19	1min avg:	14.480	4.784
14:46:19	1min avg:	14.491	4.779
14:47:19	1min avg:	14.489	4.778
14:48:19	1min avg:	14.518	4.781
14:49:19	1min avg:	14.521	4.791
14:50:19	1min avg:	14.522	4.787
14:51:19	1min avg:	14.529	4.782
14:52:19	1min avg:	14.511	4.796
14:53:19	1min avg:	14.515	4.794
14:54:19	1min avg:	14.530	4.783
14:55:19	1min avg:	14.515	4.783
14:56:19	1min avg:	14.497	4.787
14:57:19	1min avg:	14.486	4.796
14:58:19	1min avg:	14.504	4.783
14:59:19	1min avg:	14.507	4.784
15:00:19	1min avg:	14.506	4.782
15:01:19	1min avg:	14.491	4.792
15:02:19	1min avg:	14.500	4.786
15:03:19	1min avg:	14.510	4.780
15:04:19	1min avg:	14.503	4.782
15:05:19	1min avg:	14.494	4.791
15:06:19	1min avg:	14.552	4.788
15:07:19	1min avg:	14.547	4.800
15:08:19	1min avg:	14.544	4.801
15:09:19	1min avg:	14.545	4.800
15:10:19	1min avg:	14.549	4.797
15:11:19	1min avg:	14.549	4.794
15:12:19	1min avg:	14.562	4.789
15:13:19	1min avg:	14.548	4.796
15:14:19	1min avg:	14.555	4.795
15:15:19	1min avg:	14.492	4.787
15:16:19	1min avg:	14.505	4.777
15:17:19	1min avg:	14.499	4.782

GP 2022 September 20
Test Run 2

Start:	9/20/2022	12:56:20
End:	9/20/2022	16:31:20

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Time	Entry	O2 %	CO2 %
15:18:19	1min avg:	14.490	4.791
15:19:19	1min avg:	14.486	4.792
15:20:19	1min avg:	14.491	4.793
15:21:19	1min avg:	14.505	4.792
15:22:19	1min avg:	14.510	4.788
15:23:19	1min avg:	14.518	4.784
15:24:19	1min avg:	14.513	4.787
15:25:19	1min avg:	14.508	4.790
15:26:19	1min avg:	14.494	4.800
15:27:19	1min avg:	14.494	4.801
15:28:19	1min avg:	14.513	4.786
15:29:19	1min avg:	14.528	4.784
15:30:19	1min avg:	14.626	4.796
15:31:19	1min avg:	14.637	4.792
15:32:19	1min avg:	14.641	4.789
15:33:19	1min avg:	14.639	4.790
15:34:19	1min avg:	14.581	4.791
15:35:19	1min avg:	14.461	4.792
15:36:19	1min avg:	14.456	4.791
15:37:19	1min avg:	14.720	4.795
15:38:19	1min avg:	14.630	4.800
15:39:19	1min avg:	14.631	4.799
15:40:19	1min avg:	14.638	4.795
15:41:19	1min avg:	14.638	4.795
15:42:19	1min avg:	14.631	4.797
15:43:19	1min avg:	14.622	4.803
15:44:19	1min avg:	14.624	4.802
15:45:19	1min avg:	14.628	4.800
15:46:19	1min avg:	14.637	4.794
15:47:19	1min avg:	14.623	4.800
15:48:19	1min avg:	14.491	4.794
15:49:19	1min avg:	14.422	4.784
15:50:19	1min avg:	14.417	4.786
15:51:19	1min avg:	14.402	4.798
15:52:19	1min avg:	14.409	4.796
15:53:19	1min avg:	14.412	4.791
15:54:19	1min avg:	14.456	4.794
15:55:19	1min avg:	14.532	4.791
15:56:19	1min avg:	14.537	4.785
15:57:19	1min avg:	14.525	4.795
15:58:19	1min avg:	14.521	4.797
15:59:19	1min avg:	14.536	4.784
16:00:19	1min avg:	14.486	4.792
16:01:19	1min avg:	14.584	4.795
16:02:19	1min avg:	14.591	4.791
16:03:19	1min avg:	14.578	4.803
16:04:19	1min avg:	14.600	4.786

GP 2022 September 20
Test Run 2

Start:	9/20/2022	12:56:20
End:	9/20/2022	16:31:20

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 1

Time	Entry	O2 %	CO2 %
16:05:19	1min avg:	14.604	4.785
16:06:19	1min avg:	14.601	4.787
16:07:19	1min avg:	14.641	4.790
16:08:19	1min avg:	14.411	4.804
16:09:19	1min avg:	14.435	4.784
16:10:19	1min avg:	14.428	4.790
16:11:19	1min avg:	14.418	4.796
16:12:19	1min avg:	14.419	4.795
16:13:19	1min avg:	14.465	4.784
16:14:19	1min avg:	14.534	4.781
16:15:19	1min avg:	14.530	4.786
16:16:19	1min avg:	14.528	4.789
16:17:19	1min avg:	14.519	4.795
16:18:19	1min avg:	14.526	4.793
16:19:19	1min avg:	14.520	4.796
16:20:19	1min avg:	14.625	4.796
16:21:19	1min avg:	14.579	4.792
16:22:19	1min avg:	14.581	4.791
16:23:19	1min avg:	14.575	4.795
16:24:19	1min avg:	14.574	4.794
16:25:19	1min avg:	14.575	4.796
16:26:19	1min avg:	14.575	4.793
16:27:19	1min avg:	14.572	4.796
16:28:19	1min avg:	14.568	4.800
16:29:19	1min avg:	14.577	4.790
16:30:19	1min avg:	14.579	4.791
16:31:19	1min avg:	14.575	4.793
16:31:20	Test Avgs:	14.506	4.789

Response Time GP 2022 September 17

Date/Time:	9/17/2022	7:10:00
Operator:	J. Grizzle	
Plant:	Plant McIntosh	
Location:	Rincon, GA	
Source ID:	Unit 1	

Response Time Results

Analyte:	CO		O2		CO2	
Units:	ppm		%		%	
Span:	22.83		22		21.7	
Range:	100		25		25	
Method:	EPA 7E		EPA 7E		EPA 7E	
Upscale Lvl:	10.927		9.562		9.585	
Dnscale Lvl:	1.141		1.100		1.085	
Upscale (s):	0:52		0:25		0:25	
Dnscale (s):	0:49		0:21		0:22	

Upscale	Dnscale	Upscale	Dnscale	Upscale	Dnscale
-0.174	11.472	0.036	10.052	0.133	10.102
-0.162	11.444	0.041	10.059	0.134	10.134
-0.147	11.430	0.043	10.062	0.128	10.120
-0.147	11.451	0.038	10.055	0.122	10.117
-0.129	11.454	0.026	10.045	0.127	10.115
-0.123	11.481	0.039	10.060	0.118	10.114
-0.150	11.485	0.042	10.053	0.120	10.113
-0.174	11.471	0.027	10.051	0.123	10.100
-0.192	11.451	0.034	10.059	0.124	10.094
-0.201	11.436	0.040	10.059	0.125	10.120
-0.188	11.435	0.032	10.076	0.129	10.145
-0.207	11.470	0.113	10.427	0.115	10.115
-0.222	11.495	2.013	11.418	0.124	10.094
-0.211	11.460	5.632	11.543	0.152	9.724
-0.205	11.421	5.966	10.758	0.487	8.625
-0.178	11.377	4.357	8.903	1.353	8.109
-0.083	11.320	3.903	6.076	2.083	8.120
0.012	11.224	5.684	3.731	1.778	6.732
0.178	11.107	7.193	2.280	2.006	4.163
0.373	10.989	8.128	1.447	3.834	2.374
0.582	10.780	8.704	0.956	6.329	1.372
0.858	10.519	9.078		7.882	0.869
1.177	10.254	9.353		8.752	
1.508	9.939	9.535		9.374	
1.898	9.565	9.661		9.614	
2.303	9.199				
2.692	8.804				
3.116	8.389				
3.513	8.002				
3.936	7.611				
4.375	7.212				
4.830	6.789				
5.272	6.361				
5.671	5.941				
6.093	5.549				
6.520	5.138				
6.916	4.753				
7.308	4.397				
7.711	4.043				
7.985	3.661				
8.362	3.327				
8.655	3.012				
8.954	2.697				
9.241	2.429				
9.483	2.153				
9.746	1.903				
9.997	1.695				
10.219	1.478				
10.372	1.272				
10.574	1.085				
10.712					
10.814					
10.929					

GP 2022 September 21
Test Run 1

Start:	9/21/2022	8:56:00
End:	9/21/2022	9:56:00

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 2

Time	Entry	CO ppm	O2 %	CO2 %
08:56:59	1min avg:	-0.005	14.377	3.674
08:57:59	1min avg:	0.026	14.376	3.679
08:58:59	1min avg:	0.021	14.391	3.672
08:59:59	1min avg:	0.004	14.392	3.674
09:00:59	1min avg:	-0.009	14.389	3.677
09:01:59	1min avg:	-0.014	14.383	3.674
09:02:59	1min avg:	-0.012	14.385	3.674
09:03:59	1min avg:	0.000	14.380	3.675
09:04:59	1min avg:	-0.024	14.385	3.676
09:05:59	1min avg:	-0.020	14.387	3.679
09:06:59	1min avg:	0.001	14.382	3.682
09:07:59	1min avg:	-0.002	14.387	3.673
09:08:59	1min avg:	0.021	14.389	3.673
09:09:59	1min avg:	0.011	14.382	3.675
09:10:59	1min avg:	0.009	14.394	3.672
09:11:59	1min avg:	-0.001	14.387	3.673
09:12:59	1min avg:	-0.001	14.384	3.673
09:13:59	1min avg:	-0.010	14.382	3.676
09:14:59	1min avg:	-0.001	14.372	3.680
09:15:59	1min avg:	-0.008	14.371	3.680
09:16:59	1min avg:	-0.015	14.369	3.682
09:17:59	1min avg:	-0.007	14.364	3.687
09:18:59	1min avg:	-0.022	14.363	3.682
09:19:59	1min avg:	-0.032	14.379	3.678
09:20:59	1min avg:	-0.038	14.373	3.681
09:21:59	1min avg:	-0.043	14.369	3.681
09:22:59	1min avg:	-0.023	14.372	3.680
09:23:59	1min avg:	-0.012	14.370	3.682
09:24:59	1min avg:	-0.044	14.368	3.684
09:25:59	1min avg:	-0.029	14.373	3.680
09:26:59	1min avg:	-0.034	14.363	3.685
09:27:59	1min avg:	-0.023	14.377	3.681
09:28:59	1min avg:	-0.016	14.371	3.680
09:29:59	1min avg:	-0.021	14.376	3.680
09:30:59	1min avg:	-0.020	14.374	3.682
09:31:59	1min avg:	-0.043	14.374	3.682
09:32:59	1min avg:	-0.041	14.365	3.689
09:33:59	1min avg:	-0.023	14.345	3.702
09:34:59	1min avg:	-0.026	14.353	3.696
09:35:59	1min avg:	-0.023	14.512	3.693
09:36:59	1min avg:	-0.026	14.607	3.695
09:37:59	1min avg:	-0.057	14.605	3.694
09:38:59	1min avg:	-0.041	14.605	3.694
09:39:59	1min avg:	-0.029	14.599	3.699
09:40:59	1min avg:	-0.054	14.597	3.701
09:41:59	1min avg:	-0.051	14.595	3.699
09:42:59	1min avg:	-0.039	14.593	3.704
09:43:59	1min avg:	-0.028	14.590	3.704
09:44:59	1min avg:	-0.040	14.599	3.697
09:45:59	1min avg:	-0.003	14.591	3.700
09:46:59	1min avg:	-0.041	14.578	3.706
09:47:59	1min avg:	-0.030	14.570	3.704
09:48:59	1min avg:	-0.026	14.566	3.706
09:49:59	1min avg:	-0.044	14.590	3.696
09:50:59	1min avg:	-0.045	14.581	3.701
09:51:59	1min avg:	-0.006	14.557	3.712
09:52:59	1min avg:	-0.040	14.566	3.709
09:53:59	1min avg:	-0.041	14.572	3.706
09:54:59	1min avg:	-0.047	14.582	3.706
09:55:59	1min avg:	-0.029	14.542	3.722
09:56:00	Test Avgs:	-0.021	14.448	3.688

GP 2022 September 21
Test Run 2

Start:	9/21/2022	10:06:00
End:	9/21/2022	11:06:00

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 2

Time	Entry	CO ppm	O2 %	CO2 %
10:06:59	1min avg:	-0.014	14.529	3.746
10:07:59	1min avg:	-0.022	14.512	3.748
10:08:59	1min avg:	0.003	14.523	3.741
10:09:59	1min avg:	-0.035	14.515	3.742
10:10:59	1min avg:	-0.032	14.505	3.747
10:11:59	1min avg:	-0.008	14.518	3.737
10:12:59	1min avg:	-0.045	14.499	3.746
10:13:59	1min avg:	-0.016	14.488	3.745
10:14:59	1min avg:	-0.043	14.499	3.746
10:15:59	1min avg:	-0.034	14.510	3.743
10:16:59	1min avg:	-0.017	14.507	3.740
10:17:59	1min avg:	-0.013	14.488	3.750
10:18:59	1min avg:	0.018	14.494	3.747
10:19:59	1min avg:	0.013	14.495	3.744
10:20:59	1min avg:	-0.020	14.487	3.753
10:21:59	1min avg:	-0.049	14.500	3.747
10:22:59	1min avg:	-0.019	14.493	3.751
10:23:59	1min avg:	-0.026	14.497	3.748
10:24:59	1min avg:	-0.043	14.503	3.749
10:25:59	1min avg:	-0.021	14.505	3.745
10:26:59	1min avg:	-0.065	14.487	3.754
10:27:59	1min avg:	-0.043	14.499	3.750
10:28:59	1min avg:	-0.038	14.492	3.749
10:29:59	1min avg:	-0.030	14.483	3.756
10:30:59	1min avg:	-0.033	14.488	3.753
10:31:59	1min avg:	-0.023	14.490	3.750
10:32:59	1min avg:	-0.057	14.482	3.758
10:33:59	1min avg:	-0.048	14.464	3.762
10:34:59	1min avg:	0.049	14.484	3.758
10:35:59	1min avg:	0.064	14.483	3.759
10:36:59	1min avg:	-0.046	14.494	3.751
10:37:59	1min avg:	-0.066	14.486	3.754
10:38:59	1min avg:	0.072	14.483	3.762
10:39:59	1min avg:	0.172	14.480	3.763
10:40:59	1min avg:	0.159	14.481	3.761
10:41:59	1min avg:	0.186	14.476	3.762
10:42:59	1min avg:	0.126	14.470	3.763
10:43:59	1min avg:	0.041	14.463	3.763
10:44:59	1min avg:	0.148	14.479	3.754
10:45:59	1min avg:	0.028	14.484	3.754
10:46:59	1min avg:	-0.033	14.474	3.759
10:47:59	1min avg:	-0.043	14.482	3.753
10:48:59	1min avg:	-0.035	14.475	3.758
10:49:59	1min avg:	0.079	14.462	3.766
10:50:59	1min avg:	0.065	14.476	3.761
10:51:59	1min avg:	0.068	14.462	3.762
10:52:59	1min avg:	-0.057	14.467	3.765
10:53:59	1min avg:	-0.053	14.485	3.752
10:54:59	1min avg:	-0.073	14.485	3.756
10:55:59	1min avg:	-0.060	14.492	3.753
10:56:59	1min avg:	-0.073	14.477	3.757
10:57:59	1min avg:	-0.062	14.479	3.754
10:58:59	1min avg:	-0.057	14.480	3.754
10:59:59	1min avg:	-0.076	14.460	3.764
11:00:59	1min avg:	-0.014	14.451	3.767
11:01:59	1min avg:	0.076	14.448	3.771
11:02:59	1min avg:	0.232	14.446	3.772
11:03:59	1min avg:	0.098	14.465	3.762
11:04:59	1min avg:	-0.046	14.483	3.754
11:05:59	1min avg:	-0.056	14.475	3.758
11:06:00	Test Avgs:	0.001	14.486	3.754

GP 2022 September 21
Test Run 3

Start:	9/21/2022	11:32:00
End:	9/21/2022	12:32:00

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 2

Time	Entry	CO ppm	O2 %	CO2 %
11:32:59	1min avg:	0.099	14.433	3.774
11:33:59	1min avg:	0.131	14.434	3.770
11:34:59	1min avg:	0.079	14.429	3.771
11:35:59	1min avg:	-0.028	14.436	3.770
11:36:59	1min avg:	-0.053	14.454	3.759
11:37:59	1min avg:	-0.065	14.463	3.763
11:38:59	1min avg:	-0.081	14.446	3.769
11:39:59	1min avg:	-0.009	14.438	3.774
11:40:59	1min avg:	-0.062	14.458	3.764
11:41:59	1min avg:	-0.074	14.454	3.759
11:42:59	1min avg:	-0.088	14.450	3.765
11:43:59	1min avg:	-0.076	14.452	3.763
11:44:59	1min avg:	-0.072	14.473	3.757
11:45:59	1min avg:	-0.053	14.465	3.761
11:46:59	1min avg:	-0.062	14.447	3.760
11:47:59	1min avg:	-0.060	14.455	3.762
11:48:59	1min avg:	-0.073	14.437	3.769
11:49:59	1min avg:	-0.069	14.444	3.762
11:50:59	1min avg:	-0.085	14.443	3.768
11:51:59	1min avg:	-0.077	14.450	3.764
11:52:59	1min avg:	-0.096	14.464	3.760
11:53:59	1min avg:	-0.052	14.454	3.763
11:54:59	1min avg:	-0.075	14.461	3.759
11:55:59	1min avg:	-0.073	14.455	3.761
11:56:59	1min avg:	-0.069	14.452	3.760
11:57:59	1min avg:	-0.001	14.443	3.770
11:58:59	1min avg:	0.130	14.422	3.775
11:59:59	1min avg:	0.266	14.437	3.774
12:00:59	1min avg:	0.302	14.434	3.773
12:01:59	1min avg:	0.265	14.425	3.777
12:02:59	1min avg:	0.241	14.428	3.774
12:03:59	1min avg:	0.291	14.431	3.771
12:04:59	1min avg:	0.382	14.422	3.779
12:05:59	1min avg:	0.263	14.414	3.782
12:06:59	1min avg:	0.157	14.420	3.776
12:07:59	1min avg:	0.058	14.427	3.776
12:08:59	1min avg:	0.210	14.409	3.784
12:09:59	1min avg:	0.194	14.406	3.786
12:10:59	1min avg:	-0.029	14.423	3.773
12:11:59	1min avg:	-0.086	14.418	3.770
12:12:59	1min avg:	-0.080	14.429	3.772
12:13:59	1min avg:	-0.092	14.441	3.762
12:14:59	1min avg:	-0.064	14.439	3.768
12:15:59	1min avg:	-0.069	14.420	3.776
12:16:59	1min avg:	0.166	14.425	3.781
12:17:59	1min avg:	0.173	14.437	3.773
12:18:59	1min avg:	0.285	14.435	3.775
12:19:59	1min avg:	0.222	14.431	3.774
12:20:59	1min avg:	0.137	14.443	3.769
12:21:59	1min avg:	0.095	14.432	3.773
12:22:59	1min avg:	-0.071	14.433	3.772
12:23:59	1min avg:	-0.087	14.432	3.769
12:24:59	1min avg:	-0.085	14.427	3.773
12:25:59	1min avg:	-0.076	14.444	3.765
12:26:59	1min avg:	-0.061	14.437	3.770
12:27:59	1min avg:	0.081	14.433	3.776
12:28:59	1min avg:	0.145	14.422	3.779
12:29:59	1min avg:	0.165	14.417	3.778
12:30:59	1min avg:	0.199	14.418	3.778
12:31:59	1min avg:	0.238	14.423	3.784
12:32:00	Test Avgs:	0.045	14.437	3.770

GP 2022 September 21
Test Run 4

Start:	9/21/2022	12:47:00
End:	9/21/2022	13:47:00

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 2

Time	Entry	CO ppm	O2 %	CO2 %
12:47:59	1min avg:	-0.091	14.472	3.760
12:48:59	1min avg:	-0.058	14.422	3.772
12:49:59	1min avg:	-0.039	14.399	3.776
12:50:59	1min avg:	-0.028	14.409	3.775
12:51:59	1min avg:	0.135	14.395	3.784
12:52:59	1min avg:	0.145	14.386	3.783
12:53:59	1min avg:	0.219	14.411	3.777
12:54:59	1min avg:	0.369	14.410	3.775
12:55:59	1min avg:	0.242	14.407	3.777
12:56:59	1min avg:	0.282	14.404	3.774
12:57:59	1min avg:	-0.002	14.417	3.762
12:58:59	1min avg:	-0.072	14.410	3.765
12:59:59	1min avg:	-0.094	14.415	3.769
13:00:59	1min avg:	-0.071	14.423	3.765
13:01:59	1min avg:	-0.102	14.410	3.768
13:02:59	1min avg:	-0.093	14.414	3.768
13:03:59	1min avg:	-0.085	14.410	3.769
13:04:59	1min avg:	-0.073	14.414	3.770
13:05:59	1min avg:	-0.107	14.407	3.770
13:06:59	1min avg:	-0.074	14.407	3.771
13:07:59	1min avg:	-0.071	14.421	3.765
13:08:59	1min avg:	-0.109	14.403	3.777
13:09:59	1min avg:	-0.110	14.394	3.777
13:10:59	1min avg:	-0.096	14.404	3.771
13:11:59	1min avg:	-0.086	14.420	3.761
13:12:59	1min avg:	-0.077	14.407	3.772
13:13:59	1min avg:	-0.082	14.400	3.777
13:14:59	1min avg:	0.090	14.396	3.780
13:15:59	1min avg:	0.119	14.397	3.785
13:16:59	1min avg:	0.088	14.386	3.786
13:17:59	1min avg:	0.095	14.390	3.780
13:18:59	1min avg:	0.202	14.378	3.784
13:19:59	1min avg:	0.191	14.362	3.792
13:20:59	1min avg:	0.222	14.375	3.787
13:21:59	1min avg:	-0.022	14.395	3.777
13:22:59	1min avg:	-0.081	14.417	3.767
13:23:59	1min avg:	-0.092	14.410	3.771
13:24:59	1min avg:	-0.014	14.393	3.777
13:25:59	1min avg:	0.044	14.398	3.776
13:26:59	1min avg:	-0.025	14.401	3.776
13:27:59	1min avg:	-0.005	14.396	3.776
13:28:59	1min avg:	0.030	14.396	3.778
13:29:59	1min avg:	0.144	14.395	3.782
13:30:59	1min avg:	0.110	14.393	3.780
13:31:59	1min avg:	0.085	14.396	3.780
13:32:59	1min avg:	0.093	14.390	3.783
13:33:59	1min avg:	0.086	14.399	3.778
13:34:59	1min avg:	-0.054	14.411	3.766
13:35:59	1min avg:	-0.038	14.395	3.777
13:36:59	1min avg:	0.045	14.390	3.779
13:37:59	1min avg:	0.060	14.393	3.774
13:38:59	1min avg:	0.012	14.386	3.784
13:39:59	1min avg:	0.034	14.401	3.774
13:40:59	1min avg:	0.047	14.399	3.777
13:41:59	1min avg:	0.132	14.387	3.784
13:42:59	1min avg:	0.268	14.380	3.790
13:43:59	1min avg:	0.237	14.377	3.784
13:44:59	1min avg:	0.119	14.396	3.774
13:45:59	1min avg:	0.225	14.388	3.783
13:46:59	1min avg:	0.178	14.368	3.785
13:47:00	Test Avgs:	0.040	14.400	3.776

GP 2022 September 21
Test Run 5

Start:	9/21/2022	14:14:00
End:	9/21/2022	15:14:00

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 2

Time	Entry	CO ppm	O2 %	CO2 %
14:14:59	1min avg:	0.233	14.355	3.799
14:15:59	1min avg:	0.173	14.361	3.794
14:16:59	1min avg:	0.240	14.352	3.797
14:17:59	1min avg:	0.118	14.373	3.784
14:18:59	1min avg:	0.173	14.355	3.790
14:19:59	1min avg:	0.211	14.362	3.790
14:20:59	1min avg:	0.254	14.385	3.786
14:21:59	1min avg:	0.217	14.391	3.781
14:22:59	1min avg:	0.194	14.387	3.784
14:23:59	1min avg:	0.238	14.376	3.786
14:24:59	1min avg:	0.175	14.378	3.785
14:25:59	1min avg:	0.060	14.382	3.784
14:26:59	1min avg:	0.235	14.387	3.788
14:27:59	1min avg:	0.258	14.398	3.774
14:28:59	1min avg:	0.134	14.400	3.775
14:29:59	1min avg:	0.162	14.386	3.784
14:30:59	1min avg:	0.164	14.400	3.781
14:31:59	1min avg:	0.261	14.385	3.781
14:32:59	1min avg:	0.297	14.378	3.784
14:33:59	1min avg:	0.164	14.387	3.781
14:34:59	1min avg:	0.303	14.382	3.783
14:35:59	1min avg:	0.254	14.397	3.781
14:36:59	1min avg:	0.184	14.390	3.783
14:37:59	1min avg:	0.272	14.385	3.779
14:38:59	1min avg:	0.278	14.383	3.785
14:39:59	1min avg:	0.303	14.389	3.783
14:40:59	1min avg:	0.185	14.382	3.781
14:41:59	1min avg:	0.140	14.396	3.775
14:42:59	1min avg:	0.130	14.392	3.779
14:43:59	1min avg:	0.286	14.382	3.783
14:44:59	1min avg:	0.333	14.371	3.785
14:45:59	1min avg:	0.129	14.396	3.777
14:46:59	1min avg:	0.120	14.380	3.784
14:47:59	1min avg:	0.093	14.372	3.784
14:48:59	1min avg:	0.012	14.382	3.780
14:49:59	1min avg:	0.167	14.367	3.786
14:50:59	1min avg:	-0.060	14.387	3.776
14:51:59	1min avg:	-0.058	14.398	3.770
14:52:59	1min avg:	-0.048	14.393	3.773
14:53:59	1min avg:	0.027	14.395	3.775
14:54:59	1min avg:	-0.067	14.400	3.772
14:55:59	1min avg:	-0.100	14.417	3.765
14:56:59	1min avg:	-0.112	14.415	3.765
14:57:59	1min avg:	-0.118	14.410	3.767
14:58:59	1min avg:	-0.118	14.399	3.771
14:59:59	1min avg:	-0.093	14.388	3.775
15:00:59	1min avg:	-0.118	14.398	3.769
15:01:59	1min avg:	-0.089	14.397	3.772
15:02:59	1min avg:	-0.080	14.416	3.764
15:03:59	1min avg:	-0.137	14.406	3.767
15:04:59	1min avg:	-0.025	14.388	3.777
15:05:59	1min avg:	0.155	14.391	3.779
15:06:59	1min avg:	0.029	14.382	3.785
15:07:59	1min avg:	0.108	14.384	3.783
15:08:59	1min avg:	0.253	14.400	3.780
15:09:59	1min avg:	0.298	14.393	3.783
15:10:59	1min avg:	0.328	14.394	3.781
15:11:59	1min avg:	0.365	14.389	3.779
15:12:59	1min avg:	0.246	14.384	3.780
15:13:59	1min avg:	0.047	14.384	3.780
15:14:00	Test Avgs:	0.130	14.387	3.780

GP 2022 September 21
Test Run 6

Start:	9/21/2022	15:23:00
End:	9/21/2022	16:23:00

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 2

Time	Entry	CO ppm	O2 %	CO2 %
15:23:59	1min avg:	0.245	14.365	3.794
15:24:59	1min avg:	0.279	14.367	3.791
15:25:59	1min avg:	0.554	14.345	3.785
15:26:59	1min avg:	0.576	14.365	3.780
15:27:59	1min avg:	0.064	14.360	3.789
15:28:59	1min avg:	0.031	14.388	3.772
15:29:59	1min avg:	-0.059	14.377	3.777
15:30:59	1min avg:	-0.027	14.375	3.776
15:31:59	1min avg:	-0.020	14.380	3.774
15:32:59	1min avg:	-0.103	14.399	3.767
15:33:59	1min avg:	-0.123	14.392	3.768
15:34:59	1min avg:	-0.106	14.398	3.766
15:35:59	1min avg:	-0.064	14.385	3.775
15:36:59	1min avg:	0.001	14.381	3.779
15:37:59	1min avg:	-0.071	14.388	3.772
15:38:59	1min avg:	-0.120	14.388	3.771
15:39:59	1min avg:	-0.112	14.384	3.777
15:40:59	1min avg:	-0.121	14.371	3.780
15:41:59	1min avg:	-0.118	14.395	3.767
15:42:59	1min avg:	-0.117	14.393	3.768
15:43:59	1min avg:	-0.117	14.395	3.768
15:44:59	1min avg:	-0.124	14.401	3.765
15:45:59	1min avg:	-0.120	14.394	3.772
15:46:59	1min avg:	-0.114	14.385	3.777
15:47:59	1min avg:	-0.107	14.389	3.776
15:48:59	1min avg:	0.062	14.387	3.781
15:49:59	1min avg:	0.126	14.390	3.783
15:50:59	1min avg:	0.250	14.384	3.785
15:51:59	1min avg:	0.241	14.385	3.784
15:52:59	1min avg:	0.213	14.402	3.779
15:53:59	1min avg:	0.238	14.391	3.787
15:54:59	1min avg:	0.222	14.392	3.783
15:55:59	1min avg:	0.180	14.365	3.784
15:56:59	1min avg:	0.152	14.381	3.782
15:57:59	1min avg:	0.222	14.367	3.786
15:58:59	1min avg:	0.190	14.365	3.783
15:59:59	1min avg:	0.238	14.365	3.782
16:00:59	1min avg:	0.172	14.375	3.780
16:01:59	1min avg:	0.183	14.374	3.779
16:02:59	1min avg:	0.216	14.380	3.774
16:03:59	1min avg:	0.212	14.377	3.779
16:04:59	1min avg:	0.168	14.380	3.779
16:05:59	1min avg:	0.136	14.380	3.775
16:06:59	1min avg:	0.111	14.369	3.783
16:07:59	1min avg:	0.134	14.372	3.781
16:08:59	1min avg:	0.144	14.378	3.776
16:09:59	1min avg:	0.184	14.388	3.773
16:10:59	1min avg:	0.162	14.381	3.778
16:11:59	1min avg:	0.151	14.378	3.775
16:12:59	1min avg:	0.135	14.382	3.774
16:13:59	1min avg:	0.099	14.381	3.773
16:14:59	1min avg:	0.179	14.375	3.776
16:15:59	1min avg:	0.127	14.375	3.778
16:16:59	1min avg:	0.152	14.380	3.773
16:17:59	1min avg:	0.174	14.375	3.778
16:18:59	1min avg:	0.221	14.389	3.773
16:19:59	1min avg:	0.158	14.380	3.774
16:20:59	1min avg:	0.201	14.384	3.772
16:21:59	1min avg:	0.175	14.391	3.770
16:22:59	1min avg:	0.219	14.385	3.776
16:23:00	Test Avgs:	0.103	14.381	3.777

GP 2022 September 21
Test Run 7

Start:	9/21/2022	16:32:00
End:	9/21/2022	17:32:00

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 2

Time	Entry	CO ppm	O2 %	CO2 %
16:32:59	1min avg:	0.178	14.394	3.786
16:33:59	1min avg:	0.150	14.390	3.785
16:34:59	1min avg:	0.179	14.347	3.785
16:35:59	1min avg:	0.151	14.366	3.778
16:36:59	1min avg:	0.247	14.367	3.778
16:37:59	1min avg:	0.197	14.380	3.778
16:38:59	1min avg:	0.146	14.375	3.774
16:39:59	1min avg:	0.117	14.384	3.778
16:40:59	1min avg:	0.169	14.385	3.775
16:41:59	1min avg:	0.137	14.377	3.774
16:42:59	1min avg:	0.182	14.377	3.779
16:43:59	1min avg:	0.149	14.384	3.773
16:44:59	1min avg:	0.102	14.388	3.771
16:45:59	1min avg:	0.130	14.389	3.774
16:46:59	1min avg:	0.124	14.396	3.773
16:47:59	1min avg:	0.181	14.400	3.769
16:48:59	1min avg:	0.207	14.398	3.769
16:49:59	1min avg:	0.225	14.396	3.771
16:50:59	1min avg:	0.216	14.401	3.768
16:51:59	1min avg:	0.175	14.389	3.772
16:52:59	1min avg:	0.122	14.395	3.767
16:53:59	1min avg:	0.124	14.401	3.768
16:54:59	1min avg:	0.094	14.393	3.771
16:55:59	1min avg:	0.184	14.403	3.764
16:56:59	1min avg:	0.135	14.401	3.765
16:57:59	1min avg:	0.174	14.404	3.767
16:58:59	1min avg:	0.233	14.408	3.764
16:59:59	1min avg:	0.180	14.413	3.759
17:00:59	1min avg:	0.107	14.400	3.767
17:01:59	1min avg:	0.093	14.395	3.772
17:02:59	1min avg:	0.105	14.401	3.766
17:03:59	1min avg:	0.160	14.397	3.767
17:04:59	1min avg:	0.183	14.399	3.769
17:05:59	1min avg:	0.165	14.409	3.762
17:06:59	1min avg:	0.162	14.411	3.762
17:07:59	1min avg:	0.182	14.401	3.765
17:08:59	1min avg:	0.260	14.406	3.759
17:09:59	1min avg:	0.211	14.406	3.761
17:10:59	1min avg:	0.153	14.404	3.767
17:11:59	1min avg:	0.107	14.411	3.762
17:12:59	1min avg:	0.142	14.411	3.760
17:13:59	1min avg:	0.188	14.400	3.764
17:14:59	1min avg:	0.221	14.409	3.761
17:15:59	1min avg:	0.167	14.413	3.759
17:16:59	1min avg:	0.178	14.403	3.762
17:17:59	1min avg:	0.156	14.414	3.759
17:18:59	1min avg:	0.216	14.415	3.755
17:19:59	1min avg:	0.182	14.404	3.764
17:20:59	1min avg:	0.129	14.408	3.762
17:21:59	1min avg:	0.129	14.413	3.759
17:22:59	1min avg:	0.179	14.417	3.757
17:23:59	1min avg:	0.299	14.416	3.757
17:24:59	1min avg:	0.148	14.423	3.752
17:25:59	1min avg:	0.201	14.416	3.758
17:26:59	1min avg:	0.176	14.416	3.757
17:27:59	1min avg:	0.123	14.420	3.752
17:28:59	1min avg:	0.225	14.414	3.754
17:29:59	1min avg:	0.298	14.420	3.750
17:30:59	1min avg:	0.452	14.423	3.751
17:31:59	1min avg:	0.427	14.426	3.752
17:32:00	Test Avgs:	0.179	14.400	3.766

GP 2022 September 22
Test Run 1

Start:	9/22/2022	8:03:00
End:	9/22/2022	11:26:00

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 2

Time	Entry	O2 %	CO2 %
08:04:00	1min avg:	14.743	3.716
08:05:00	1min avg:	14.735	3.717
08:06:00	1min avg:	14.731	3.721
08:07:00	1min avg:	16.413	3.746
08:08:00	1min avg:	15.367	3.733
08:09:00	1min avg:	14.715	3.720
08:10:00	1min avg:	14.719	3.719
08:11:00	1min avg:	14.702	3.721
08:12:00	1min avg:	14.699	3.721
08:13:00	1min avg:	14.701	3.722
08:14:00	1min avg:	14.698	3.722
08:15:00	1min avg:	14.702	3.722
08:16:00	1min avg:	14.705	3.718
08:17:00	1min avg:	14.709	3.720
08:18:00	1min avg:	14.691	3.715
08:19:00	1min avg:	14.670	3.720
08:20:00	1min avg:	14.691	3.716
08:21:00	1min avg:	14.688	3.720
08:22:00	1min avg:	14.685	3.722
08:23:00	1min avg:	14.678	3.721
08:24:00	1min avg:	14.676	3.724
08:25:00	1min avg:	14.681	3.724
08:26:00	1min avg:	14.687	3.720
08:27:00	1min avg:	14.672	3.722
08:28:00	1min avg:	14.671	3.724
08:29:00	1min avg:	14.680	3.723
08:30:00	1min avg:	14.674	3.724
08:31:00	1min avg:	14.674	3.726
08:32:00	1min avg:	14.667	3.727
08:33:00	1min avg:	14.659	3.732
08:34:00	1min avg:	14.669	3.725
08:35:00	1min avg:	14.661	3.731
08:36:00	1min avg:	14.666	3.728
08:37:00	1min avg:	14.671	3.725
08:38:00	1min avg:	14.666	3.732
08:39:00	1min avg:	14.671	3.730
08:40:00	1min avg:	14.679	3.727
08:41:00	1min avg:	14.670	3.734
08:42:00	1min avg:	14.682	3.727
08:43:00	1min avg:	14.676	3.734
08:44:00	1min avg:	14.678	3.735
08:45:00	1min avg:	14.688	3.729
08:46:00	1min avg:	14.672	3.734
08:47:00	1min avg:	14.673	3.734

GP 2022 September 22
Test Run 1

Start:	9/22/2022	8:03:00
End:	9/22/2022	11:26:00

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 2

Time	Entry	O2 %	CO2 %
08:48:00	1min avg:	14.668	3.734
08:49:00	1min avg:	14.664	3.737
08:50:00	1min avg:	14.669	3.739
08:51:00	1min avg:	14.676	3.730
08:52:00	1min avg:	14.671	3.737
08:53:00	1min avg:	14.671	3.734
08:54:00	1min avg:	14.671	3.736
08:55:00	1min avg:	14.653	3.740
08:56:00	1min avg:	14.669	3.736
08:57:00	1min avg:	14.673	3.735
08:58:00	1min avg:	14.660	3.741
08:59:00	1min avg:	14.668	3.736
09:00:00	1min avg:	14.656	3.739
09:01:00	1min avg:	14.655	3.744
09:02:00	1min avg:	14.847	3.735
09:03:00	1min avg:	14.746	3.740
09:04:00	1min avg:	14.737	3.745
09:05:00	1min avg:	14.748	3.741
09:06:00	1min avg:	14.751	3.743
09:07:00	1min avg:	14.755	3.743
09:08:00	1min avg:	14.750	3.741
09:09:00	1min avg:	14.747	3.742
09:10:00	1min avg:	14.747	3.741
09:11:00	1min avg:	14.734	3.740
09:12:00	1min avg:	14.732	3.748
09:13:00	1min avg:	14.748	3.742
09:14:00	1min avg:	14.724	3.746
09:15:00	1min avg:	14.733	3.744
09:16:00	1min avg:	14.720	3.751
09:17:00	1min avg:	14.737	3.746
09:18:00	1min avg:	14.733	3.750
09:19:00	1min avg:	14.725	3.747
09:20:00	1min avg:	14.717	3.750
09:21:00	1min avg:	14.732	3.749
09:22:00	1min avg:	14.679	3.754
09:23:00	1min avg:	14.543	3.750
09:24:00	1min avg:	14.551	3.746
09:25:00	1min avg:	14.559	3.741
09:26:00	1min avg:	14.535	3.751
09:27:00	1min avg:	14.534	3.753
09:28:00	1min avg:	14.549	3.748
09:29:00	1min avg:	14.560	3.746
09:30:00	1min avg:	14.707	3.754
09:31:00	1min avg:	14.687	3.752

GP 2022 September 22
Test Run 1

Start:	9/22/2022	8:03:00
End:	9/22/2022	11:26:00

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 2

Time	Entry	O2 %	CO2 %
09:32:00	1min avg:	14.698	3.750
09:33:00	1min avg:	14.692	3.752
09:34:00	1min avg:	14.697	3.750
09:35:00	1min avg:	14.689	3.754
09:36:00	1min avg:	14.684	3.757
09:37:00	1min avg:	14.699	3.750
09:38:00	1min avg:	14.706	3.748
09:39:00	1min avg:	14.693	3.753
09:40:00	1min avg:	14.694	3.753
09:41:00	1min avg:	14.708	3.748
09:42:00	1min avg:	14.687	3.753
09:43:00	1min avg:	14.704	3.748
09:44:00	1min avg:	14.659	3.749
09:45:00	1min avg:	14.685	3.755
09:46:00	1min avg:	14.708	3.747
09:47:00	1min avg:	14.702	3.750
09:48:00	1min avg:	14.707	3.746
09:49:00	1min avg:	14.705	3.748
09:50:00	1min avg:	14.699	3.751
09:51:00	1min avg:	14.692	3.756
09:52:00	1min avg:	14.701	3.753
09:53:00	1min avg:	14.714	3.753
09:54:00	1min avg:	14.701	3.755
09:55:00	1min avg:	14.625	3.752
09:56:00	1min avg:	14.630	3.755
09:57:00	1min avg:	14.623	3.757
09:58:00	1min avg:	14.643	3.749
09:59:00	1min avg:	14.640	3.751
10:00:00	1min avg:	14.634	3.751
10:01:00	1min avg:	14.638	3.752
10:02:00	1min avg:	14.611	3.755
10:03:00	1min avg:	14.644	3.754
10:04:00	1min avg:	14.654	3.748
10:05:00	1min avg:	14.647	3.754
10:06:00	1min avg:	14.640	3.758
10:07:00	1min avg:	14.640	3.757
10:08:00	1min avg:	14.639	3.760
10:09:00	1min avg:	14.630	3.764
10:10:00	1min avg:	14.645	3.759
10:11:00	1min avg:	14.645	3.757
10:12:00	1min avg:	14.636	3.764
10:13:00	1min avg:	14.653	3.758
10:14:00	1min avg:	14.659	3.756
10:15:00	1min avg:	14.650	3.759

GP 2022 September 22
Test Run 1

Start:	9/22/2022	8:03:00
End:	9/22/2022	11:26:00

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 2

Time	Entry	O2 %	CO2 %
10:16:00	1min avg:	14.622	3.770
10:17:00	1min avg:	14.673	3.766
10:18:00	1min avg:	14.558	3.755
10:19:00	1min avg:	14.553	3.762
10:20:00	1min avg:	14.549	3.761
10:21:00	1min avg:	14.546	3.765
10:22:00	1min avg:	14.561	3.754
10:23:00	1min avg:	14.575	3.757
10:24:00	1min avg:	14.558	3.765
10:25:00	1min avg:	14.565	3.763
10:26:00	1min avg:	14.563	3.764
10:27:00	1min avg:	14.553	3.763
10:28:00	1min avg:	14.564	3.763
10:29:00	1min avg:	14.583	3.754
10:30:00	1min avg:	14.566	3.758
10:31:00	1min avg:	14.549	3.757
10:32:00	1min avg:	14.651	3.757
10:33:00	1min avg:	14.669	3.768
10:34:00	1min avg:	14.670	3.766
10:35:00	1min avg:	14.674	3.767
10:36:00	1min avg:	14.677	3.768
10:37:00	1min avg:	14.673	3.771
10:38:00	1min avg:	14.695	3.768
10:39:00	1min avg:	14.673	3.775
10:40:00	1min avg:	14.690	3.769
10:41:00	1min avg:	14.688	3.770
10:42:00	1min avg:	14.678	3.771
10:43:00	1min avg:	14.676	3.772
10:44:00	1min avg:	14.664	3.778
10:45:00	1min avg:	14.639	3.786
10:46:00	1min avg:	14.658	3.779
10:47:00	1min avg:	14.675	3.777
10:48:00	1min avg:	14.667	3.782
10:49:00	1min avg:	14.670	3.779
10:50:00	1min avg:	14.673	3.774
10:51:00	1min avg:	14.659	3.782
10:52:00	1min avg:	14.629	3.775
10:53:00	1min avg:	14.683	3.774
10:54:00	1min avg:	14.663	3.786
10:55:00	1min avg:	14.684	3.775
10:56:00	1min avg:	14.681	3.778
10:57:00	1min avg:	14.675	3.776
10:58:00	1min avg:	14.685	3.773
10:59:00	1min avg:	14.722	3.776

GP 2022 September 22
Test Run 1

Start:	9/22/2022	8:03:00
End:	9/22/2022	11:26:00

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 2

Time	Entry	O2 %	CO2 %
11:00:00	1min avg:	14.585	3.770
11:01:00	1min avg:	14.554	3.782
11:02:00	1min avg:	14.577	3.770
11:03:00	1min avg:	14.578	3.768
11:04:00	1min avg:	14.547	3.772
11:05:00	1min avg:	14.547	3.779
11:06:00	1min avg:	14.553	3.772
11:07:00	1min avg:	14.530	3.778
11:08:00	1min avg:	14.492	3.783
11:09:00	1min avg:	14.602	3.792
11:10:00	1min avg:	14.620	3.789
11:11:00	1min avg:	14.652	3.772
11:12:00	1min avg:	14.644	3.776
11:13:00	1min avg:	14.609	3.793
11:14:00	1min avg:	14.627	3.785
11:15:00	1min avg:	14.646	3.775
11:16:00	1min avg:	14.628	3.784
11:17:00	1min avg:	14.632	3.786
11:18:00	1min avg:	14.571	3.777
11:19:00	1min avg:	14.564	3.782
11:20:00	1min avg:	14.557	3.780
11:21:00	1min avg:	14.566	3.779
11:22:00	1min avg:	14.558	3.783
11:23:00	1min avg:	14.563	3.778
11:24:00	1min avg:	14.561	3.775
11:25:00	1min avg:	14.524	3.787
11:26:00	1min avg:	14.533	3.781
11:26:00	Test Avgs:	14.669	3.752

GP 2022 September 22
Test Run 2

Start:	9/22/2022	11:34:00
End:	9/22/2022	15:19:00

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 2

Time	Entry	O2 %	CO2 %
11:35:00	1min avg:	14.498	3.782
11:36:00	1min avg:	14.467	3.785
11:37:00	1min avg:	14.470	3.789
11:38:00	1min avg:	14.462	3.788
11:39:00	1min avg:	14.480	3.780
11:40:00	1min avg:	14.465	3.790
11:41:00	1min avg:	14.576	3.791
11:42:00	1min avg:	14.611	3.780
11:43:00	1min avg:	14.605	3.781
11:44:00	1min avg:	14.588	3.786
11:45:00	1min avg:	14.593	3.784
11:46:00	1min avg:	14.597	3.782
11:47:00	1min avg:	14.551	3.786
11:48:00	1min avg:	14.561	3.790
11:49:00	1min avg:	14.588	3.783
11:50:00	1min avg:	14.584	3.785
11:51:00	1min avg:	14.583	3.784
11:52:00	1min avg:	14.588	3.784
11:53:00	1min avg:	14.561	3.792
11:54:00	1min avg:	14.547	3.797
11:55:00	1min avg:	14.571	3.789
11:56:00	1min avg:	14.588	3.785
11:57:00	1min avg:	14.592	3.784
11:58:00	1min avg:	14.559	3.790
11:59:00	1min avg:	14.585	3.785
12:00:00	1min avg:	14.565	3.790
12:01:00	1min avg:	14.577	3.781
12:02:00	1min avg:	14.554	3.789
12:03:00	1min avg:	14.557	3.791
12:04:00	1min avg:	14.552	3.792
12:05:00	1min avg:	14.559	3.790
12:06:00	1min avg:	14.558	3.794
12:07:00	1min avg:	14.552	3.792
12:08:00	1min avg:	14.542	3.799
12:09:00	1min avg:	14.549	3.800
12:10:00	1min avg:	14.564	3.792
12:11:00	1min avg:	14.572	3.786
12:12:00	1min avg:	14.546	3.799
12:13:00	1min avg:	14.568	3.792
12:14:00	1min avg:	14.587	3.784
12:15:00	1min avg:	14.557	3.795
12:16:00	1min avg:	14.516	3.792
12:17:00	1min avg:	14.547	3.786
12:18:00	1min avg:	14.629	3.795
12:19:00	1min avg:	14.706	3.796
12:20:00	1min avg:	14.708	3.800
12:21:00	1min avg:	14.715	3.799
12:22:00	1min avg:	14.719	3.795

GP 2022 September 22
Test Run 2

Start:	9/22/2022	11:34:00
End:	9/22/2022	15:19:00

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 2

Time	Entry	O2 %	CO2 %
12:23:00	1min avg:	14.722	3.798
12:24:00	1min avg:	14.716	3.802
12:25:00	1min avg:	14.726	3.795
12:26:00	1min avg:	14.736	3.796
12:27:00	1min avg:	14.466	3.790
12:28:00	1min avg:	14.478	3.795
12:29:00	1min avg:	14.484	3.789
12:30:00	1min avg:	14.485	3.790
12:31:00	1min avg:	14.489	3.788
12:32:00	1min avg:	14.471	3.790
12:33:00	1min avg:	14.462	3.795
12:34:00	1min avg:	14.484	3.789
12:35:00	1min avg:	14.473	3.791
12:36:00	1min avg:	14.476	3.790
12:37:00	1min avg:	14.448	3.798
12:38:00	1min avg:	14.474	3.793
12:39:00	1min avg:	14.467	3.796
12:40:00	1min avg:	14.467	3.794
12:41:00	1min avg:	14.467	3.793
12:42:00	1min avg:	14.470	3.794
12:43:00	1min avg:	14.450	3.797
12:44:00	1min avg:	14.462	3.793
12:45:00	1min avg:	14.477	3.790
12:46:00	1min avg:	14.458	3.798
12:47:00	1min avg:	14.557	3.803
12:48:00	1min avg:	14.641	3.809
12:49:00	1min avg:	14.649	3.804
12:50:00	1min avg:	14.647	3.805
12:51:00	1min avg:	14.639	3.813
12:52:00	1min avg:	14.644	3.811
12:53:00	1min avg:	14.576	3.806
12:54:00	1min avg:	14.459	3.796
12:55:00	1min avg:	14.459	3.799
12:56:00	1min avg:	14.454	3.800
12:57:00	1min avg:	14.463	3.793
12:58:00	1min avg:	14.445	3.797
12:59:00	1min avg:	14.484	3.806
13:00:00	1min avg:	14.608	3.811
13:01:00	1min avg:	14.621	3.807
13:02:00	1min avg:	14.628	3.804
13:03:00	1min avg:	14.625	3.810
13:04:00	1min avg:	14.620	3.809
13:05:00	1min avg:	14.628	3.806
13:06:00	1min avg:	14.635	3.803
13:07:00	1min avg:	14.641	3.799
13:08:00	1min avg:	14.626	3.802
13:09:00	1min avg:	14.630	3.800
13:10:00	1min avg:	14.622	3.807

GP 2022 September 22
Test Run 2

Start:	9/22/2022	11:34:00
End:	9/22/2022	15:19:00

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 2

Time	Entry	O2 %	CO2 %
13:11:00	1min avg:	14.621	3.808
13:12:00	1min avg:	14.596	3.810
13:13:00	1min avg:	14.511	3.798
13:14:00	1min avg:	14.502	3.799
13:15:00	1min avg:	14.489	3.802
13:16:00	1min avg:	14.481	3.804
13:17:00	1min avg:	14.463	3.812
13:18:00	1min avg:	14.492	3.804
13:19:00	1min avg:	14.504	3.796
13:20:00	1min avg:	14.489	3.802
13:21:00	1min avg:	14.475	3.806
13:22:00	1min avg:	14.479	3.798
13:23:00	1min avg:	14.423	3.802
13:24:00	1min avg:	14.514	3.804
13:25:00	1min avg:	14.536	3.807
13:26:00	1min avg:	14.537	3.812
13:27:00	1min avg:	14.528	3.812
13:28:00	1min avg:	14.530	3.811
13:29:00	1min avg:	14.507	3.820
13:30:00	1min avg:	14.513	3.818
13:31:00	1min avg:	14.521	3.811
13:32:00	1min avg:	14.478	3.818
13:33:00	1min avg:	14.344	3.812
13:34:00	1min avg:	14.353	3.808
13:35:00	1min avg:	14.238	3.797
13:36:00	1min avg:	14.015	3.801
13:37:00	1min avg:	14.027	3.794
13:38:00	1min avg:	14.027	3.795
13:39:00	1min avg:	14.031	3.793
13:40:00	1min avg:	14.039	3.789
13:41:00	1min avg:	14.039	3.789
13:42:00	1min avg:	14.029	3.794
13:43:00	1min avg:	14.035	3.788
13:44:00	1min avg:	14.025	3.792
13:45:00	1min avg:	14.015	3.797
13:46:00	1min avg:	14.003	3.804
13:47:00	1min avg:	14.218	3.802
13:48:00	1min avg:	14.340	3.806
13:49:00	1min avg:	14.340	3.807
13:50:00	1min avg:	14.321	3.816
13:51:00	1min avg:	14.327	3.817
13:52:00	1min avg:	14.326	3.818
13:53:00	1min avg:	14.337	3.810
13:54:00	1min avg:	14.353	3.803
13:55:00	1min avg:	14.345	3.803
13:56:00	1min avg:	14.351	3.800
13:57:00	1min avg:	14.373	3.807
13:58:00	1min avg:	14.550	3.815

GP 2022 September 22
Test Run 2

Start:	9/22/2022	11:34:00
End:	9/22/2022	15:19:00

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 2

Time	Entry	O2 %	CO2 %
13:59:00	1min avg:	14.553	3.812
14:00:00	1min avg:	14.544	3.817
14:01:00	1min avg:	14.556	3.812
14:02:00	1min avg:	14.576	3.803
14:03:00	1min avg:	14.775	3.806
14:04:00	1min avg:	14.423	3.809
14:05:00	1min avg:	14.417	3.809
14:06:00	1min avg:	14.435	3.799
14:07:00	1min avg:	14.421	3.804
14:08:00	1min avg:	14.409	3.810
14:09:00	1min avg:	14.413	3.808
14:10:00	1min avg:	14.427	3.805
14:11:00	1min avg:	14.372	3.811
14:12:00	1min avg:	14.455	3.806
14:13:00	1min avg:	14.450	3.810
14:14:00	1min avg:	14.449	3.806
14:15:00	1min avg:	14.435	3.812
14:16:00	1min avg:	14.433	3.809
14:17:00	1min avg:	14.434	3.810
14:18:00	1min avg:	14.440	3.809
14:19:00	1min avg:	14.445	3.808
14:20:00	1min avg:	14.513	3.810
14:21:00	1min avg:	14.419	3.813
14:22:00	1min avg:	14.404	3.819
14:23:00	1min avg:	14.425	3.813
14:24:00	1min avg:	14.398	3.821
14:25:00	1min avg:	14.396	3.824
14:26:00	1min avg:	14.393	3.825
14:27:00	1min avg:	14.430	3.813
14:28:00	1min avg:	14.452	3.808
14:29:00	1min avg:	14.455	3.812
14:30:00	1min avg:	14.453	3.807
14:31:00	1min avg:	14.442	3.804
14:32:00	1min avg:	14.427	3.813
14:33:00	1min avg:	14.431	3.813
14:34:00	1min avg:	14.424	3.808
14:35:00	1min avg:	14.483	3.813
14:36:00	1min avg:	14.489	3.809
14:37:00	1min avg:	14.486	3.809
14:38:00	1min avg:	14.471	3.815
14:39:00	1min avg:	14.472	3.818
14:40:00	1min avg:	14.486	3.810
14:41:00	1min avg:	14.455	3.821
14:42:00	1min avg:	14.453	3.824
14:43:00	1min avg:	14.465	3.821
14:44:00	1min avg:	14.399	3.810
14:45:00	1min avg:	14.328	3.811
14:46:00	1min avg:	14.323	3.810

GP 2022 September 22
Test Run 2

Start:	9/22/2022	11:34:00
End:	9/22/2022	15:19:00

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 2

Time	Entry	O2 %	CO2 %
14:47:00	1min avg:	14.322	3.809
14:48:00	1min avg:	14.322	3.806
14:49:00	1min avg:	14.318	3.811
14:50:00	1min avg:	14.315	3.810
14:51:00	1min avg:	14.312	3.809
14:52:00	1min avg:	14.315	3.809
14:53:00	1min avg:	14.307	3.814
14:54:00	1min avg:	14.323	3.808
14:55:00	1min avg:	14.308	3.811
14:56:00	1min avg:	14.319	3.806
14:57:00	1min avg:	14.326	3.811
14:58:00	1min avg:	14.550	3.818
14:59:00	1min avg:	14.538	3.825
15:00:00	1min avg:	14.548	3.823
15:01:00	1min avg:	14.558	3.816
15:02:00	1min avg:	14.547	3.824
15:03:00	1min avg:	14.559	3.820
15:04:00	1min avg:	14.559	3.818
15:05:00	1min avg:	14.562	3.821
15:06:00	1min avg:	14.531	3.831
15:07:00	1min avg:	14.532	3.831
15:08:00	1min avg:	14.537	3.833
15:09:00	1min avg:	14.527	3.822
15:10:00	1min avg:	14.393	3.819
15:11:00	1min avg:	14.389	3.816
15:12:00	1min avg:	14.403	3.813
15:13:00	1min avg:	14.378	3.822
15:14:00	1min avg:	14.381	3.820
15:15:00	1min avg:	14.393	3.816
15:16:00	1min avg:	14.378	3.818
15:17:00	1min avg:	14.385	3.817
15:18:00	1min avg:	14.378	3.823
15:19:00	1min avg:	14.370	3.821
15:19:00	Test Avgs:	14.470	3.803

GP 2022 September 22
Test Run 3

Start:	9/22/2022	15:44:00
End:	9/22/2022	19:15:00

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 2

Time	Entry	O2 %	CO2 %
15:44:59	1min avg:	14.275	3.819
15:45:59	1min avg:	14.293	3.819
15:46:59	1min avg:	14.298	3.817
15:47:59	1min avg:	14.277	3.817
15:48:59	1min avg:	14.293	3.813
15:49:59	1min avg:	14.293	3.819
15:50:59	1min avg:	14.288	3.815
15:51:59	1min avg:	14.274	3.818
15:52:59	1min avg:	14.290	3.814
15:53:59	1min avg:	14.371	3.814
15:54:59	1min avg:	14.359	3.817
15:55:59	1min avg:	14.359	3.821
15:56:59	1min avg:	14.375	3.813
15:57:59	1min avg:	14.371	3.818
15:58:59	1min avg:	14.359	3.822
15:59:59	1min avg:	14.372	3.815
16:00:59	1min avg:	14.440	3.814
16:01:59	1min avg:	14.490	3.819
16:02:59	1min avg:	14.475	3.818
16:03:59	1min avg:	14.477	3.817
16:04:59	1min avg:	14.475	3.820
16:05:59	1min avg:	14.365	3.819
16:06:59	1min avg:	14.389	3.815
16:07:59	1min avg:	14.379	3.823
16:08:59	1min avg:	14.381	3.819
16:09:59	1min avg:	14.377	3.826
16:10:59	1min avg:	14.377	3.824
16:11:59	1min avg:	14.393	3.817
16:12:59	1min avg:	14.397	3.815
16:13:59	1min avg:	14.375	3.824
16:14:59	1min avg:	14.501	3.822
16:15:59	1min avg:	14.408	3.820
16:16:59	1min avg:	14.421	3.819
16:17:59	1min avg:	14.396	3.821
16:18:59	1min avg:	14.411	3.816
16:19:59	1min avg:	14.411	3.820
16:20:59	1min avg:	14.411	3.817
16:21:59	1min avg:	14.399	3.815
16:22:59	1min avg:	14.406	3.820
16:23:59	1min avg:	14.329	3.825
16:24:59	1min avg:	14.378	3.822
16:25:59	1min avg:	14.383	3.823
16:26:59	1min avg:	14.400	3.815
16:27:59	1min avg:	14.405	3.815
16:28:59	1min avg:	14.403	3.819

GP 2022 September 22
Test Run 3

Start:	9/22/2022	15:44:00
End:	9/22/2022	19:15:00

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 2

Time	Entry	O2 %	CO2 %
16:29:59	1min avg:	14.404	3.818
16:30:59	1min avg:	14.399	3.816
16:31:59	1min avg:	14.396	3.823
16:32:59	1min avg:	14.404	3.820
16:33:59	1min avg:	14.530	3.823
16:34:59	1min avg:	14.361	3.821
16:35:59	1min avg:	14.366	3.815
16:36:59	1min avg:	14.357	3.818
16:37:59	1min avg:	14.363	3.816
16:38:59	1min avg:	14.365	3.813
16:39:59	1min avg:	14.449	3.817
16:40:59	1min avg:	14.440	3.819
16:41:59	1min avg:	14.439	3.820
16:42:59	1min avg:	14.435	3.822
16:43:59	1min avg:	14.446	3.820
16:44:59	1min avg:	14.452	3.815
16:45:59	1min avg:	14.530	3.816
16:46:59	1min avg:	14.305	3.820
16:47:59	1min avg:	14.311	3.816
16:48:59	1min avg:	14.301	3.808
16:49:59	1min avg:	14.311	3.815
16:50:59	1min avg:	14.414	3.814
16:51:59	1min avg:	14.646	3.824
16:52:59	1min avg:	14.648	3.825
16:53:59	1min avg:	14.648	3.824
16:54:59	1min avg:	14.660	3.822
16:55:59	1min avg:	14.667	3.819
16:56:59	1min avg:	14.667	3.819
16:57:59	1min avg:	14.660	3.821
16:58:59	1min avg:	14.803	3.822
16:59:59	1min avg:	14.388	3.807
17:00:59	1min avg:	14.380	3.810
17:01:59	1min avg:	14.375	3.812
17:02:59	1min avg:	14.381	3.805
17:03:59	1min avg:	14.365	3.814
17:04:59	1min avg:	14.372	3.815
17:05:59	1min avg:	14.363	3.810
17:06:59	1min avg:	14.403	3.812
17:07:59	1min avg:	14.448	3.811
17:08:59	1min avg:	14.445	3.812
17:09:59	1min avg:	14.446	3.812
17:10:59	1min avg:	14.447	3.808
17:11:59	1min avg:	14.455	3.805
17:12:59	1min avg:	14.533	3.809
17:13:59	1min avg:	14.393	3.805

GP 2022 September 22
Test Run 3

Start:	9/22/2022	15:44:00
End:	9/22/2022	19:15:00

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 2

Time	Entry	O2 %	CO2 %
17:14:59	1min avg:	14.399	3.806
17:15:59	1min avg:	14.391	3.810
17:16:59	1min avg:	14.400	3.808
17:17:59	1min avg:	14.404	3.804
17:18:59	1min avg:	14.561	3.815
17:19:59	1min avg:	14.578	3.809
17:20:59	1min avg:	14.574	3.814
17:21:59	1min avg:	14.575	3.811
17:22:59	1min avg:	14.584	3.808
17:23:59	1min avg:	14.474	3.808
17:24:59	1min avg:	14.368	3.810
17:25:59	1min avg:	14.375	3.802
17:26:59	1min avg:	14.374	3.807
17:27:59	1min avg:	14.363	3.805
17:28:59	1min avg:	14.374	3.802
17:29:59	1min avg:	14.380	3.801
17:30:59	1min avg:	14.407	3.804
17:31:59	1min avg:	14.474	3.803
17:32:59	1min avg:	14.467	3.806
17:33:59	1min avg:	14.472	3.801
17:34:59	1min avg:	14.477	3.799
17:35:59	1min avg:	14.478	3.804
17:36:59	1min avg:	14.479	3.801
17:37:59	1min avg:	14.485	3.803
17:38:59	1min avg:	14.485	3.803
17:39:59	1min avg:	14.533	3.801
17:40:59	1min avg:	14.490	3.799
17:41:59	1min avg:	14.492	3.797
17:42:59	1min avg:	14.491	3.795
17:43:59	1min avg:	14.494	3.796
17:44:59	1min avg:	14.489	3.799
17:45:59	1min avg:	14.493	3.794
17:46:59	1min avg:	14.386	3.792
17:47:59	1min avg:	14.273	3.793
17:48:59	1min avg:	14.273	3.797
17:49:59	1min avg:	14.274	3.798
17:50:59	1min avg:	14.274	3.797
17:51:59	1min avg:	14.400	3.798
17:52:59	1min avg:	14.493	3.796
17:53:59	1min avg:	14.485	3.801
17:54:59	1min avg:	14.495	3.794
17:55:59	1min avg:	14.501	3.794
17:56:59	1min avg:	14.495	3.795
17:57:59	1min avg:	14.491	3.794
17:58:59	1min avg:	14.412	3.792

GP 2022 September 22
Test Run 3

Start:	9/22/2022	15:44:00
End:	9/22/2022	19:15:00

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 2

Time	Entry	O2 %	CO2 %
17:59:59	1min avg:	14.441	3.792
18:00:59	1min avg:	14.447	3.790
18:01:59	1min avg:	14.438	3.794
18:02:59	1min avg:	14.442	3.793
18:03:59	1min avg:	14.440	3.796
18:04:59	1min avg:	14.442	3.796
18:05:59	1min avg:	14.575	3.792
18:06:59	1min avg:	14.454	3.786
18:07:59	1min avg:	14.450	3.790
18:08:59	1min avg:	14.456	3.785
18:09:59	1min avg:	14.456	3.784
18:10:59	1min avg:	14.454	3.786
18:11:59	1min avg:	14.456	3.782
18:12:59	1min avg:	14.408	3.785
18:13:59	1min avg:	14.424	3.785
18:14:59	1min avg:	14.432	3.782
18:15:59	1min avg:	14.431	3.784
18:16:59	1min avg:	14.432	3.780
18:17:59	1min avg:	14.439	3.778
18:18:59	1min avg:	14.436	3.786
18:19:59	1min avg:	14.443	3.777
18:20:59	1min avg:	14.445	3.778
18:21:59	1min avg:	14.440	3.779
18:22:59	1min avg:	14.452	3.773
18:23:59	1min avg:	14.518	3.778
18:24:59	1min avg:	14.469	3.780
18:25:59	1min avg:	14.480	3.773
18:26:59	1min avg:	14.475	3.777
18:27:59	1min avg:	14.477	3.774
18:28:59	1min avg:	14.480	3.773
18:29:59	1min avg:	14.475	3.774
18:30:59	1min avg:	14.474	3.773
18:31:59	1min avg:	14.478	3.773
18:32:59	1min avg:	14.470	3.779
18:33:59	1min avg:	14.473	3.775
18:34:59	1min avg:	14.481	3.773
18:35:59	1min avg:	14.477	3.775
18:36:59	1min avg:	14.481	3.771
18:37:59	1min avg:	14.489	3.770
18:38:59	1min avg:	14.475	3.773
18:39:59	1min avg:	14.480	3.770
18:40:59	1min avg:	14.483	3.770
18:41:59	1min avg:	14.440	3.771
18:42:59	1min avg:	14.489	3.772
18:43:59	1min avg:	14.487	3.774

GP 2022 September 22
Test Run 3

Start:	9/22/2022	15:44:00
End:	9/22/2022	19:15:00

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 2

Time	Entry	O2 %	CO2 %
18:44:59	1min avg:	14.493	3.771
18:45:59	1min avg:	14.493	3.769
18:46:59	1min avg:	14.487	3.773
18:47:59	1min avg:	14.495	3.771
18:48:59	1min avg:	14.586	3.770
18:49:59	1min avg:	14.560	3.778
18:50:59	1min avg:	14.565	3.771
18:51:59	1min avg:	14.562	3.772
18:52:59	1min avg:	14.557	3.773
18:53:59	1min avg:	14.570	3.769
18:54:59	1min avg:	14.505	3.769
18:55:59	1min avg:	14.116	3.760
18:56:59	1min avg:	14.122	3.757
18:57:59	1min avg:	14.118	3.758
18:58:59	1min avg:	14.126	3.753
18:59:59	1min avg:	14.126	3.753
19:00:59	1min avg:	14.118	3.758
19:01:59	1min avg:	14.116	3.760
19:02:59	1min avg:	14.305	3.764
19:03:59	1min avg:	14.419	3.768
19:04:59	1min avg:	14.427	3.764
19:05:59	1min avg:	14.423	3.765
19:06:59	1min avg:	14.414	3.766
19:07:59	1min avg:	14.427	3.762
19:08:59	1min avg:	14.132	3.760
19:09:59	1min avg:	14.067	3.756
19:10:59	1min avg:	14.072	3.758
19:11:59	1min avg:	14.068	3.759
19:12:59	1min avg:	14.081	3.750
19:13:59	1min avg:	14.077	3.754
19:14:59	1min avg:	14.364	3.758
19:15:00	Test Avgs:	14.418	3.798

GP 2022 September 26
Test Run 1
Start: 9/26/2022 7:32:00
End: 9/26/2022 9:08:00

Operator: J. Grizzle
Plant: Plant McIntosh
Location: Rincon, GA
Source ID: Unit 2

Time	Entry	CO ppm	O2 %	CO2 %
07:33:00	1min avg:	-0.116	14.488	4.760
07:34:00	1min avg:	-0.106	14.486	4.760
07:35:00	1min avg:	-0.101	14.486	4.761
07:36:00	1min avg:	-0.073	14.488	4.758
07:37:00	1min avg:	-0.105	14.493	4.754
07:38:00	1min avg:	-0.124	14.495	4.754
07:39:00	1min avg:	-0.117	14.492	4.756
07:40:00	1min avg:	-0.110	14.496	4.753
07:41:00	1min avg:	-0.117	14.494	4.751
07:42:00	1min avg:	-0.130	14.495	4.754
07:43:00	1min avg:	-0.138	14.495	4.749
07:44:00	1min avg:	-0.123	14.495	4.752
07:45:00	1min avg:	-0.132	14.496	4.752
07:46:00	1min avg:	-0.135	14.498	4.749
07:47:00	1min avg:	-0.121	14.495	4.752
07:48:00	1min avg:	-0.100	14.495	4.751
07:49:00	1min avg:	-0.128	14.504	4.744
07:50:00	1min avg:	-0.119	14.503	4.745
07:51:00	1min avg:	-0.147	14.502	4.746
07:52:00	1min avg:	-0.171	14.499	4.746
07:53:00	1min avg:	-0.119	14.503	4.743
07:54:00	1min avg:	-0.129	14.504	4.744
07:55:00	1min avg:	-0.144	14.501	4.745
07:56:00	1min avg:	-0.128	14.498	4.746
07:57:00	1min avg:	-0.121	14.500	4.744
07:58:00	1min avg:	-0.136	14.503	4.740
07:59:00	1min avg:	-0.118	14.501	4.744
08:00:00	1min avg:	-0.103	14.502	4.742
08:01:00	1min avg:	-0.151	14.502	4.745
08:02:00	1min avg:	-0.140	14.505	4.741
08:03:00	1min avg:	-0.147	14.508	4.742
08:04:00	1min avg:	-0.117	14.507	4.742
08:05:00	1min avg:	-0.151	14.501	4.743
08:06:00	1min avg:	-0.103	14.505	4.744
08:07:00	1min avg:	-0.133	14.503	4.744
08:08:00	1min avg:	-0.118	14.505	4.743
08:09:00	1min avg:	-0.115	14.508	4.744
08:10:00	1min avg:	-0.135	14.509	4.741
08:11:00	1min avg:	-0.142	14.506	4.742
08:12:00	1min avg:	-0.121	14.508	4.744
08:13:00	1min avg:	-0.105	14.505	4.748
08:14:00	1min avg:	-0.122	14.511	4.743
08:15:00	1min avg:	-0.118	14.508	4.746
08:16:00	1min avg:	-0.139	14.513	4.742
08:17:00	1min avg:	-0.138	14.514	4.741
08:18:00	1min avg:	-0.112	14.508	4.745
08:19:00	1min avg:	-0.129	14.509	4.744
08:20:00	1min avg:	-0.153	14.513	4.744
08:21:00	1min avg:	-0.148	14.518	4.741
08:22:00	1min avg:	-0.121	14.519	4.739
08:23:00	1min avg:	-0.136	14.518	4.736
08:24:00	1min avg:	-0.120	14.512	4.744
08:25:00	1min avg:	-0.120	14.511	4.744
08:26:00	1min avg:	-0.124	14.511	4.743
08:27:00	1min avg:	-0.112	14.514	4.744
08:28:00	1min avg:	-0.154	14.509	4.744
08:29:00	1min avg:	-0.100	14.507	4.746
08:30:00	1min avg:	-0.133	14.502	4.747
08:31:00	1min avg:	-0.150	14.501	4.747
08:32:00	1min avg:	-0.151	14.501	4.748
08:33:00	1min avg:	-0.133	14.504	4.745
08:34:00	1min avg:	-0.147	14.506	4.744
08:35:00	1min avg:	-0.133	14.509	4.741
08:36:00	1min avg:	-0.110	14.505	4.745
08:37:00	1min avg:	-0.146	14.501	4.748
08:38:00	1min avg:	-0.144	14.505	4.747
08:39:00	1min avg:	-0.129	14.512	4.746
08:40:00	1min avg:	-0.125	14.512	4.747
08:41:00	1min avg:	-0.133	14.506	4.751
08:42:00	1min avg:	-0.143	14.513	4.744
08:43:00	1min avg:	-0.147	14.507	4.751
08:44:00	1min avg:	-0.109	14.509	4.748
08:45:00	1min avg:	-0.132	14.507	4.747
08:46:00	1min avg:	-0.107	14.509	4.746
08:47:00	1min avg:	-0.122	14.511	4.743
08:48:00	1min avg:	-0.148	14.504	4.746
08:49:00	1min avg:	-0.109	14.498	4.752
08:50:00	1min avg:	-0.113	14.490	4.760
08:51:00	1min avg:	-0.133	14.490	4.759
08:52:00	1min avg:	-0.136	14.495	4.757
08:53:00	1min avg:	-0.116	14.499	4.750
08:54:00	1min avg:	-0.106	14.503	4.748
08:55:00	1min avg:	-0.145	14.497	4.755
08:56:00	1min avg:	-0.136	14.491	4.758
08:57:00	1min avg:	-0.150	14.496	4.757
08:58:00	1min avg:	-0.132	14.502	4.755
08:59:00	1min avg:	-0.149	14.508	4.751
09:00:00	1min avg:	-0.146	14.505	4.755
09:01:00	1min avg:	-0.147	14.503	4.755
09:02:00	1min avg:	-0.150	14.501	4.755
09:03:00	1min avg:	-0.147	14.490	4.764
09:04:00	1min avg:	-0.150	14.498	4.758
09:05:00	1min avg:	-0.142	14.508	4.753
09:06:00	1min avg:	-0.127	14.503	4.760
09:07:00	1min avg:	-0.115	14.500	4.761
09:08:00	1min avg:	-0.129	14.503	4.757
09:08:00	Test Avgs:	-0.129	14.503	4.748

GP 2022 September 26
Test Run 2

Start:	9/26/2022	9:18:00
End:	9/26/2022	10:18:00

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 2

Time	Entry	CO ppm	O2 %	CO2 %
09:19:00	1min avg:	-0.132	14.476	4.773
09:20:00	1min avg:	-0.117	14.487	4.767
09:21:00	1min avg:	-0.117	14.473	4.767
09:22:00	1min avg:	-0.113	14.489	4.767
09:23:00	1min avg:	-0.129	14.471	4.770
09:24:00	1min avg:	-0.108	14.473	4.775
09:25:00	1min avg:	-0.123	14.466	4.778
09:26:00	1min avg:	-0.118	14.473	4.770
09:27:00	1min avg:	-0.122	14.484	4.768
09:28:00	1min avg:	-0.136	14.481	4.766
09:29:00	1min avg:	-0.121	14.478	4.774
09:30:00	1min avg:	-0.108	14.471	4.773
09:31:00	1min avg:	-0.118	14.481	4.771
09:32:00	1min avg:	-0.130	14.473	4.776
09:33:00	1min avg:	-0.134	14.456	4.784
09:34:00	1min avg:	-0.133	14.469	4.779
09:35:00	1min avg:	-0.114	14.462	4.788
09:36:00	1min avg:	-0.120	14.471	4.779
09:37:00	1min avg:	-0.138	14.468	4.778
09:38:00	1min avg:	-0.124	14.473	4.777
09:39:00	1min avg:	-0.125	14.480	4.773
09:40:00	1min avg:	-0.121	14.476	4.771
09:41:00	1min avg:	-0.119	14.474	4.777
09:42:00	1min avg:	-0.123	14.480	4.774
09:43:00	1min avg:	-0.095	14.471	4.783
09:44:00	1min avg:	-0.097	14.468	4.775
09:45:00	1min avg:	-0.106	14.476	4.779
09:46:00	1min avg:	-0.086	14.477	4.776
09:47:00	1min avg:	-0.101	14.485	4.774
09:48:00	1min avg:	-0.116	14.485	4.776
09:49:00	1min avg:	-0.115	14.460	4.780
09:50:00	1min avg:	-0.134	14.478	4.776
09:51:00	1min avg:	-0.097	14.478	4.774
09:52:00	1min avg:	-0.121	14.477	4.776
09:53:00	1min avg:	-0.144	14.471	4.773
09:54:00	1min avg:	-0.126	14.472	4.775
09:55:00	1min avg:	-0.094	14.470	4.775
09:56:00	1min avg:	-0.116	14.475	4.775
09:57:00	1min avg:	-0.111	14.461	4.778
09:58:00	1min avg:	-0.127	14.461	4.781
09:59:00	1min avg:	-0.136	14.474	4.777
10:00:00	1min avg:	-0.124	14.471	4.785
10:01:00	1min avg:	-0.135	14.470	4.775
10:02:00	1min avg:	-0.145	14.476	4.775
10:03:00	1min avg:	-0.113	14.463	4.779
10:04:00	1min avg:	-0.111	14.458	4.780
10:05:00	1min avg:	-0.144	14.463	4.778
10:06:00	1min avg:	-0.124	14.455	4.783
10:07:00	1min avg:	-0.098	14.447	4.790
10:08:00	1min avg:	-0.137	14.436	4.789
10:09:00	1min avg:	-0.137	14.440	4.788
10:10:00	1min avg:	-0.115	14.430	4.799
10:11:00	1min avg:	-0.118	14.446	4.790
10:12:00	1min avg:	-0.125	14.448	4.790
10:13:00	1min avg:	-0.127	14.461	4.781
10:14:00	1min avg:	-0.106	14.453	4.787
10:15:00	1min avg:	-0.104	14.443	4.793
10:16:00	1min avg:	-0.110	14.435	4.795
10:17:00	1min avg:	-0.110	14.439	4.797
10:18:00	1min avg:	-0.112	14.445	4.797
10:18:00	Test Avgs:	-0.119	14.467	4.779

GP 2022 September 26
Test Run 3

Start:	9/26/2022	10:28:00
End:	9/26/2022	11:28:00

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 2

Time	Entry	CO ppm	O2 %	CO2 %
10:29:00	1min avg:	-0.113	14.414	4.809
10:30:00	1min avg:	-0.102	14.429	4.798
10:31:00	1min avg:	-0.122	14.413	4.803
10:32:00	1min avg:	-0.098	14.413	4.804
10:33:00	1min avg:	-0.099	14.406	4.810
10:34:00	1min avg:	-0.112	14.428	4.803
10:35:00	1min avg:	-0.091	14.427	4.800
10:36:00	1min avg:	-0.120	14.421	4.804
10:37:00	1min avg:	-0.124	14.404	4.818
10:38:00	1min avg:	-0.135	14.412	4.807
10:39:00	1min avg:	-0.093	14.414	4.802
10:40:00	1min avg:	-0.106	14.417	4.793
10:41:00	1min avg:	-0.117	14.407	4.799
10:42:00	1min avg:	-0.076	14.402	4.801
10:43:00	1min avg:	-0.116	14.408	4.797
10:44:00	1min avg:	-0.084	14.408	4.795
10:45:00	1min avg:	-0.104	14.388	4.812
10:46:00	1min avg:	-0.090	14.399	4.807
10:47:00	1min avg:	-0.070	14.408	4.798
10:48:00	1min avg:	-0.108	14.402	4.804
10:49:00	1min avg:	-0.104	14.404	4.799
10:50:00	1min avg:	-0.091	14.398	4.804
10:51:00	1min avg:	-0.065	14.397	4.802
10:52:00	1min avg:	-0.105	14.403	4.797
10:53:00	1min avg:	-0.114	14.397	4.801
10:54:00	1min avg:	-0.103	14.403	4.795
10:55:00	1min avg:	-0.092	14.403	4.796
10:56:00	1min avg:	-0.039	14.392	4.805
10:57:00	1min avg:	-0.015	14.391	4.802
10:58:00	1min avg:	-0.102	14.407	4.797
10:59:00	1min avg:	-0.069	14.404	4.799
11:00:00	1min avg:	-0.073	14.399	4.801
11:01:00	1min avg:	-0.075	14.386	4.805
11:02:00	1min avg:	-0.071	14.390	4.803
11:03:00	1min avg:	-0.053	14.387	4.801
11:04:00	1min avg:	-0.074	14.388	4.803
11:05:00	1min avg:	-0.089	14.397	4.799
11:06:00	1min avg:	-0.089	14.390	4.804
11:07:00	1min avg:	-0.068	14.389	4.798
11:08:00	1min avg:	-0.080	14.381	4.804
11:09:00	1min avg:	-0.080	14.369	4.808
11:10:00	1min avg:	-0.057	14.371	4.803
11:11:00	1min avg:	-0.053	14.363	4.809
11:12:00	1min avg:	-0.071	14.347	4.818
11:13:00	1min avg:	-0.053	14.373	4.810
11:14:00	1min avg:	-0.039	14.376	4.810
11:15:00	1min avg:	-0.114	14.349	4.827
11:16:00	1min avg:	-0.065	14.371	4.811
11:17:00	1min avg:	-0.054	14.374	4.807
11:18:00	1min avg:	-0.059	14.386	4.800
11:19:00	1min avg:	-0.043	14.365	4.803
11:20:00	1min avg:	-0.049	14.362	4.811
11:21:00	1min avg:	-0.051	14.357	4.815
11:22:00	1min avg:	-0.063	14.343	4.821
11:23:00	1min avg:	-0.070	14.369	4.808
11:24:00	1min avg:	-0.056	14.353	4.813
11:25:00	1min avg:	-0.072	14.358	4.816
11:26:00	1min avg:	-0.081	14.351	4.819
11:27:00	1min avg:	-0.083	14.355	4.817
11:28:00	1min avg:	-0.100	14.364	4.811
11:28:00	Test Avgs:	-0.083	14.390	4.805

GP 2022 September 26
Test Run 4

Start:	9/26/2022	11:38:00
End:	9/26/2022	12:38:00

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 2

Time	Entry	CO ppm	O2 %	CO2 %
11:39:00	1min avg:	-0.065	14.355	4.815
11:40:00	1min avg:	-0.069	14.333	4.825
11:41:00	1min avg:	-0.063	14.328	4.823
11:42:00	1min avg:	-0.045	14.344	4.819
11:43:00	1min avg:	-0.062	14.346	4.817
11:44:00	1min avg:	-0.069	14.339	4.821
11:45:00	1min avg:	-0.075	14.334	4.822
11:46:00	1min avg:	-0.071	14.345	4.815
11:47:00	1min avg:	-0.084	14.353	4.809
11:48:00	1min avg:	-0.087	14.336	4.820
11:49:00	1min avg:	-0.070	14.348	4.810
11:50:00	1min avg:	-0.070	14.344	4.812
11:51:00	1min avg:	-0.076	14.342	4.816
11:52:00	1min avg:	-0.095	14.342	4.818
11:53:00	1min avg:	-0.086	14.343	4.819
11:54:00	1min avg:	-0.074	14.358	4.812
11:55:00	1min avg:	-0.086	14.365	4.808
11:56:00	1min avg:	-0.067	14.363	4.810
11:57:00	1min avg:	-0.059	14.348	4.819
11:58:00	1min avg:	-0.060	14.354	4.814
11:59:00	1min avg:	-0.063	14.346	4.820
12:00:00	1min avg:	-0.041	14.353	4.818
12:01:00	1min avg:	-0.093	14.352	4.806
12:02:00	1min avg:	-0.081	14.360	4.807
12:03:00	1min avg:	-0.054	14.346	4.815
12:04:00	1min avg:	-0.046	14.338	4.821
12:05:00	1min avg:	-0.075	14.343	4.816
12:06:00	1min avg:	-0.075	14.335	4.820
12:07:00	1min avg:	-0.070	14.343	4.816
12:08:00	1min avg:	-0.059	14.326	4.821
12:09:00	1min avg:	-0.073	14.341	4.814
12:10:00	1min avg:	-0.073	14.342	4.813
12:11:00	1min avg:	-0.087	14.329	4.822
12:12:00	1min avg:	-0.065	14.327	4.827
12:13:00	1min avg:	-0.042	14.350	4.816
12:14:00	1min avg:	-0.064	14.346	4.820
12:15:00	1min avg:	-0.079	14.351	4.815
12:16:00	1min avg:	-0.038	14.348	4.814
12:17:00	1min avg:	-0.063	14.357	4.809
12:18:00	1min avg:	-0.071	14.354	4.807
12:19:00	1min avg:	-0.097	14.350	4.808
12:20:00	1min avg:	-0.045	14.348	4.807
12:21:00	1min avg:	-0.052	14.339	4.812
12:22:00	1min avg:	-0.084	14.337	4.814
12:23:00	1min avg:	-0.069	14.336	4.810
12:24:00	1min avg:	-0.076	14.325	4.822
12:25:00	1min avg:	-0.085	14.324	4.821
12:26:00	1min avg:	-0.075	14.329	4.822
12:27:00	1min avg:	-0.084	14.336	4.819
12:28:00	1min avg:	-0.103	14.348	4.812
12:29:00	1min avg:	-0.067	14.346	4.811
12:30:00	1min avg:	-0.071	14.330	4.820
12:31:00	1min avg:	-0.099	14.324	4.824
12:32:00	1min avg:	-0.074	14.322	4.822
12:33:00	1min avg:	-0.080	14.332	4.817
12:34:00	1min avg:	-0.065	14.330	4.822
12:35:00	1min avg:	-0.072	14.324	4.827
12:36:00	1min avg:	-0.088	14.332	4.815
12:37:00	1min avg:	-0.081	14.333	4.812
12:38:00	1min avg:	-0.080	14.313	4.828
12:38:00	Test Avgs:	-0.071	14.341	4.816

GP 2022 September 26
Test Run 5

Start:	9/26/2022	12:48:00
End:	9/26/2022	13:48:00

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 2

Time	Entry	CO ppm	O2 %	CO2 %
12:49:00	1min avg:	-0.035	14.346	4.808
12:50:00	1min avg:	-0.015	14.338	4.810
12:51:00	1min avg:	-0.046	14.321	4.816
12:52:00	1min avg:	-0.020	14.304	4.824
12:53:00	1min avg:	-0.069	14.329	4.812
12:54:00	1min avg:	-0.063	14.318	4.817
12:55:00	1min avg:	-0.094	14.308	4.822
12:56:00	1min avg:	-0.062	14.326	4.811
12:57:00	1min avg:	-0.070	14.309	4.823
12:58:00	1min avg:	-0.082	14.280	4.837
12:59:00	1min avg:	-0.068	14.300	4.829
13:00:00	1min avg:	-0.072	14.324	4.818
13:01:00	1min avg:	-0.074	14.319	4.820
13:02:00	1min avg:	-0.075	14.331	4.814
13:03:00	1min avg:	-0.071	14.324	4.812
13:04:00	1min avg:	-0.057	14.317	4.820
13:05:00	1min avg:	-0.076	14.331	4.809
13:06:00	1min avg:	-0.066	14.333	4.804
13:07:00	1min avg:	-0.055	14.330	4.812
13:08:00	1min avg:	-0.062	14.304	4.824
13:09:00	1min avg:	-0.091	14.300	4.824
13:10:00	1min avg:	-0.079	14.309	4.820
13:11:00	1min avg:	-0.090	14.307	4.819
13:12:00	1min avg:	-0.071	14.297	4.827
13:13:00	1min avg:	-0.078	14.321	4.813
13:14:00	1min avg:	-0.072	14.319	4.815
13:15:00	1min avg:	-0.091	14.319	4.817
13:16:00	1min avg:	-0.086	14.327	4.816
13:17:00	1min avg:	-0.092	14.326	4.814
13:18:00	1min avg:	-0.073	14.303	4.826
13:19:00	1min avg:	-0.062	14.314	4.821
13:20:00	1min avg:	-0.066	14.328	4.813
13:21:00	1min avg:	-0.090	14.327	4.808
13:22:00	1min avg:	-0.074	14.329	4.809
13:23:00	1min avg:	-0.091	14.317	4.812
13:24:00	1min avg:	-0.070	14.318	4.811
13:25:00	1min avg:	-0.085	14.309	4.822
13:26:00	1min avg:	-0.087	14.311	4.818
13:27:00	1min avg:	-0.082	14.292	4.838
13:28:00	1min avg:	-0.104	14.295	4.829
13:29:00	1min avg:	-0.079	14.322	4.816
13:30:00	1min avg:	-0.068	14.310	4.817
13:31:00	1min avg:	-0.062	14.297	4.822
13:32:00	1min avg:	-0.090	14.289	4.826
13:33:00	1min avg:	-0.093	14.296	4.828
13:34:00	1min avg:	-0.076	14.302	4.828
13:35:00	1min avg:	-0.088	14.294	4.825
13:36:00	1min avg:	-0.091	14.303	4.824
13:37:00	1min avg:	-0.068	14.297	4.825
13:38:00	1min avg:	-0.053	14.286	4.828
13:39:00	1min avg:	-0.055	14.285	4.828
13:40:00	1min avg:	-0.079	14.293	4.825
13:41:00	1min avg:	-0.073	14.288	4.826
13:42:00	1min avg:	-0.064	14.279	4.830
13:43:00	1min avg:	-0.054	14.291	4.825
13:44:00	1min avg:	-0.082	14.312	4.814
13:45:00	1min avg:	-0.079	14.317	4.819
13:46:00	1min avg:	-0.076	14.314	4.817
13:47:00	1min avg:	-0.063	14.300	4.822
13:48:00	1min avg:	-0.057	14.299	4.826
13:48:00	Test Avgs:	-0.072	14.311	4.820

GP 2022 September 26
Test Run 6

Start:	9/26/2022	14:03:00
End:	9/26/2022	15:03:00

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 2

Time	Entry	CO ppm	O2 %	CO2 %
14:04:00	1min avg:	-0.061	14.287	4.820
14:05:00	1min avg:	-0.075	14.273	4.827
14:06:00	1min avg:	-0.066	14.285	4.825
14:07:00	1min avg:	-0.066	14.284	4.829
14:08:00	1min avg:	-0.043	14.265	4.833
14:09:00	1min avg:	-0.039	14.262	4.837
14:10:00	1min avg:	-0.042	14.250	4.843
14:11:00	1min avg:	-0.058	14.250	4.847
14:12:00	1min avg:	-0.057	14.268	4.836
14:13:00	1min avg:	-0.041	14.286	4.826
14:14:00	1min avg:	-0.069	14.288	4.826
14:15:00	1min avg:	-0.047	14.284	4.828
14:16:00	1min avg:	-0.059	14.267	4.837
14:17:00	1min avg:	-0.066	14.276	4.832
14:18:00	1min avg:	-0.086	14.277	4.832
14:19:00	1min avg:	-0.071	14.260	4.839
14:20:00	1min avg:	-0.056	14.275	4.830
14:21:00	1min avg:	-0.066	14.269	4.832
14:22:00	1min avg:	-0.067	14.275	4.828
14:23:00	1min avg:	-0.081	14.276	4.827
14:24:00	1min avg:	-0.073	14.285	4.820
14:25:00	1min avg:	-0.028	14.280	4.824
14:26:00	1min avg:	-0.051	14.264	4.832
14:27:00	1min avg:	-0.061	14.266	4.834
14:28:00	1min avg:	-0.080	14.272	4.832
14:29:00	1min avg:	-0.070	14.290	4.824
14:30:00	1min avg:	-0.052	14.281	4.827
14:31:00	1min avg:	-0.079	14.271	4.834
14:32:00	1min avg:	-0.061	14.278	4.831
14:33:00	1min avg:	-0.061	14.285	4.823
14:34:00	1min avg:	-0.036	14.274	4.829
14:35:00	1min avg:	-0.065	14.266	4.834
14:36:00	1min avg:	-0.055	14.283	4.828
14:37:00	1min avg:	-0.088	14.277	4.830
14:38:00	1min avg:	-0.053	14.268	4.835
14:39:00	1min avg:	-0.066	14.279	4.825
14:40:00	1min avg:	-0.068	14.281	4.826
14:41:00	1min avg:	-0.048	14.269	4.828
14:42:00	1min avg:	-0.047	14.252	4.842
14:43:00	1min avg:	-0.053	14.271	4.832
14:44:00	1min avg:	-0.073	14.299	4.813
14:45:00	1min avg:	-0.072	14.306	4.812
14:46:00	1min avg:	-0.064	14.295	4.819
14:47:00	1min avg:	-0.075	14.306	4.810
14:48:00	1min avg:	-0.068	14.293	4.818
14:49:00	1min avg:	-0.075	14.290	4.817
14:50:00	1min avg:	-0.094	14.268	4.829
14:51:00	1min avg:	-0.067	14.285	4.819
14:52:00	1min avg:	-0.075	14.284	4.820
14:53:00	1min avg:	-0.067	14.288	4.821
14:54:00	1min avg:	-0.041	14.272	4.826
14:55:00	1min avg:	-0.055	14.286	4.820
14:56:00	1min avg:	-0.083	14.283	4.822
14:57:00	1min avg:	-0.072	14.284	4.824
14:58:00	1min avg:	-0.074	14.275	4.825
14:59:00	1min avg:	-0.052	14.269	4.826
15:00:00	1min avg:	-0.074	14.273	4.826
15:01:00	1min avg:	-0.075	14.270	4.826
15:02:00	1min avg:	-0.052	14.273	4.830
15:03:00	1min avg:	-0.077	14.279	4.826
15:03:00	Test Avgs:	-0.063	14.277	4.828

GP 2022 September 26
Test Run 7

Start:	9/26/2022	15:18:00
End:	9/26/2022	16:18:00

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 2

Time	Entry	CO ppm	O2 %	CO2 %
15:19:00	1min avg:	-0.065	14.253	4.842
15:20:00	1min avg:	-0.043	14.259	4.841
15:21:00	1min avg:	-0.077	14.254	4.839
15:22:00	1min avg:	-0.049	14.262	4.834
15:23:00	1min avg:	-0.118	14.270	4.830
15:24:00	1min avg:	-0.065	14.255	4.836
15:25:00	1min avg:	-0.073	14.279	4.824
15:26:00	1min avg:	-0.088	14.285	4.827
15:27:00	1min avg:	-0.098	14.283	4.821
15:28:00	1min avg:	-0.068	14.287	4.821
15:29:00	1min avg:	-0.076	14.286	4.818
15:30:00	1min avg:	-0.090	14.278	4.820
15:31:00	1min avg:	-0.090	14.265	4.831
15:32:00	1min avg:	-0.076	14.262	4.832
15:33:00	1min avg:	-0.093	14.262	4.828
15:34:00	1min avg:	-0.069	14.254	4.832
15:35:00	1min avg:	-0.076	14.250	4.836
15:36:00	1min avg:	-0.085	14.266	4.825
15:37:00	1min avg:	-0.069	14.255	4.833
15:38:00	1min avg:	-0.080	14.259	4.830
15:39:00	1min avg:	-0.078	14.271	4.821
15:40:00	1min avg:	-0.074	14.268	4.824
15:41:00	1min avg:	-0.100	14.274	4.823
15:42:00	1min avg:	-0.120	14.269	4.823
15:43:00	1min avg:	-0.098	14.269	4.822
15:44:00	1min avg:	-0.089	14.265	4.823
15:45:00	1min avg:	-0.095	14.268	4.822
15:46:00	1min avg:	-0.058	14.262	4.823
15:47:00	1min avg:	-0.111	14.264	4.827
15:48:00	1min avg:	-0.080	14.275	4.823
15:49:00	1min avg:	-0.063	14.273	4.824
15:50:00	1min avg:	-0.068	14.281	4.820
15:51:00	1min avg:	-0.088	14.272	4.826
15:52:00	1min avg:	-0.049	14.268	4.829
15:53:00	1min avg:	-0.065	14.264	4.830
15:54:00	1min avg:	-0.086	14.275	4.821
15:55:00	1min avg:	-0.051	14.278	4.821
15:56:00	1min avg:	-0.096	14.287	4.819
15:57:00	1min avg:	-0.039	14.282	4.824
15:58:00	1min avg:	-0.046	14.283	4.821
15:59:00	1min avg:	-0.054	14.285	4.818
16:00:00	1min avg:	-0.094	14.288	4.820
16:01:00	1min avg:	-0.044	14.292	4.815
16:02:00	1min avg:	-0.085	14.293	4.811
16:03:00	1min avg:	-0.074	14.292	4.811
16:04:00	1min avg:	-0.080	14.298	4.810
16:05:00	1min avg:	-0.067	14.293	4.813
16:06:00	1min avg:	-0.076	14.294	4.814
16:07:00	1min avg:	-0.061	14.281	4.820
16:08:00	1min avg:	-0.094	14.287	4.816
16:09:00	1min avg:	-0.060	14.279	4.821
16:10:00	1min avg:	-0.078	14.271	4.821
16:11:00	1min avg:	-0.066	14.277	4.821
16:12:00	1min avg:	-0.042	14.273	4.826
16:13:00	1min avg:	-0.045	14.273	4.824
16:14:00	1min avg:	-0.056	14.270	4.822
16:15:00	1min avg:	-0.084	14.275	4.818
16:16:00	1min avg:	-0.069	14.267	4.827
16:17:00	1min avg:	-0.070	14.264	4.828
16:18:00	1min avg:	-0.073	14.271	4.825
16:18:00	Test Avgs:	-0.075	14.273	4.824

GP 2022 September 27
Test Run 1

Start:	9/27/2022	6:42:01
End:	9/27/2022	10:15:01

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 2

Time	Entry	O2 %	CO2 %
06:43:01	1min avg:	14.724	4.556
06:44:01	1min avg:	14.729	4.553
06:45:01	1min avg:	14.718	4.550
06:46:01	1min avg:	14.725	4.549
06:47:01	1min avg:	14.734	4.552
06:48:01	1min avg:	14.727	4.556
06:49:01	1min avg:	14.730	4.549
06:50:01	1min avg:	14.737	4.549
06:51:01	1min avg:	14.732	4.546
06:52:01	1min avg:	14.744	4.544
06:53:01	1min avg:	14.740	4.545
06:54:01	1min avg:	14.740	4.540
06:55:01	1min avg:	14.733	4.542
06:56:01	1min avg:	14.732	4.545
06:57:01	1min avg:	14.742	4.542
06:58:01	1min avg:	14.739	4.544
06:59:01	1min avg:	14.734	4.542
07:00:01	1min avg:	14.743	4.536
07:01:01	1min avg:	14.739	4.542
07:02:01	1min avg:	14.743	4.537
07:03:01	1min avg:	14.744	4.536
07:04:01	1min avg:	14.734	4.543
07:05:01	1min avg:	14.929	4.541
07:06:01	1min avg:	15.015	4.548
07:07:01	1min avg:	15.027	4.544
07:08:01	1min avg:	15.032	4.548
07:09:01	1min avg:	15.041	4.543
07:10:01	1min avg:	15.042	4.546
07:11:01	1min avg:	15.028	4.546
07:12:01	1min avg:	15.039	4.543
07:13:01	1min avg:	15.032	4.544
07:14:01	1min avg:	15.031	4.548
07:15:01	1min avg:	15.040	4.548
07:16:01	1min avg:	15.043	4.547
07:17:01	1min avg:	15.044	4.546
07:18:01	1min avg:	15.046	4.546
07:19:01	1min avg:	15.047	4.545
07:20:01	1min avg:	15.047	4.545
07:21:01	1min avg:	15.049	4.546
07:22:01	1min avg:	15.046	4.545
07:23:01	1min avg:	15.059	4.546
07:24:01	1min avg:	15.050	4.546
07:25:01	1min avg:	15.057	4.543
07:26:01	1min avg:	15.218	4.546
07:27:01	1min avg:	14.933	4.539

GP 2022 September 27
Test Run 1

Start:	9/27/2022	6:42:01
End:	9/27/2022	10:15:01

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 2

Time	Entry	O2 %	CO2 %
07:28:01	1min avg:	14.916	4.541
07:29:01	1min avg:	14.936	4.536
07:30:01	1min avg:	14.928	4.542
07:31:01	1min avg:	14.936	4.542
07:32:01	1min avg:	14.923	4.537
07:33:01	1min avg:	14.911	4.541
07:34:01	1min avg:	14.969	4.537
07:35:01	1min avg:	15.037	4.543
07:36:01	1min avg:	15.044	4.541
07:37:01	1min avg:	15.047	4.538
07:38:01	1min avg:	15.036	4.548
07:39:01	1min avg:	15.032	4.545
07:40:01	1min avg:	15.044	4.543
07:41:01	1min avg:	15.040	4.544
07:42:01	1min avg:	15.740	4.553
07:43:01	1min avg:	14.958	4.546
07:44:01	1min avg:	14.902	4.533
07:45:01	1min avg:	14.890	4.535
07:46:01	1min avg:	14.902	4.539
07:47:01	1min avg:	14.897	4.540
07:48:01	1min avg:	14.900	4.537
07:49:01	1min avg:	14.916	4.530
07:50:01	1min avg:	14.899	4.538
07:51:01	1min avg:	14.886	4.540
07:52:01	1min avg:	14.879	4.541
07:53:01	1min avg:	15.065	4.562
07:54:01	1min avg:	14.980	4.540
07:55:01	1min avg:	14.969	4.540
07:56:01	1min avg:	14.974	4.538
07:57:01	1min avg:	14.970	4.545
07:58:01	1min avg:	14.977	4.544
07:59:01	1min avg:	14.975	4.543
08:00:01	1min avg:	14.983	4.542
08:01:01	1min avg:	14.979	4.540
08:02:01	1min avg:	14.983	4.539
08:03:01	1min avg:	15.024	4.543
08:04:01	1min avg:	14.959	4.542
08:05:01	1min avg:	14.963	4.539
08:06:01	1min avg:	14.956	4.535
08:07:01	1min avg:	14.967	4.544
08:08:01	1min avg:	14.971	4.540
08:09:01	1min avg:	14.973	4.541
08:10:01	1min avg:	14.966	4.544
08:11:01	1min avg:	14.970	4.546
08:12:01	1min avg:	15.068	4.545

GP 2022 September 27
Test Run 1

Start:	9/27/2022	6:42:01
End:	9/27/2022	10:15:01

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 2

Time	Entry	O2 %	CO2 %
08:13:01	1min avg:	14.996	4.547
08:14:01	1min avg:	14.988	4.549
08:15:01	1min avg:	14.997	4.542
08:16:01	1min avg:	14.990	4.546
08:17:01	1min avg:	14.990	4.547
08:18:01	1min avg:	14.993	4.542
08:19:01	1min avg:	14.986	4.549
08:20:01	1min avg:	14.990	4.543
08:21:01	1min avg:	14.979	4.550
08:22:01	1min avg:	14.990	4.553
08:23:01	1min avg:	15.043	4.559
08:24:01	1min avg:	15.041	4.562
08:25:01	1min avg:	15.057	4.551
08:26:01	1min avg:	15.053	4.555
08:27:01	1min avg:	15.059	4.556
08:28:01	1min avg:	14.967	4.548
08:29:01	1min avg:	14.944	4.553
08:30:01	1min avg:	14.949	4.552
08:31:01	1min avg:	14.930	4.554
08:32:01	1min avg:	14.940	4.553
08:33:01	1min avg:	14.948	4.548
08:34:01	1min avg:	14.944	4.547
08:35:01	1min avg:	14.939	4.553
08:36:01	1min avg:	14.942	4.553
08:37:01	1min avg:	14.935	4.552
08:38:01	1min avg:	15.012	4.559
08:39:01	1min avg:	15.011	4.556
08:40:01	1min avg:	15.015	4.559
08:41:01	1min avg:	15.010	4.563
08:42:01	1min avg:	15.006	4.565
08:43:01	1min avg:	15.013	4.560
08:44:01	1min avg:	15.004	4.556
08:45:01	1min avg:	15.010	4.565
08:46:01	1min avg:	15.009	4.564
08:47:01	1min avg:	15.020	4.560
08:48:01	1min avg:	15.016	4.561
08:49:01	1min avg:	15.001	4.567
08:50:01	1min avg:	14.943	4.566
08:51:01	1min avg:	14.898	4.568
08:52:01	1min avg:	14.903	4.565
08:53:01	1min avg:	14.909	4.561
08:54:01	1min avg:	14.906	4.565
08:55:01	1min avg:	14.915	4.563
08:56:01	1min avg:	14.902	4.568
08:57:01	1min avg:	14.901	4.566

GP 2022 September 27
Test Run 1

Start:	9/27/2022	6:42:01
End:	9/27/2022	10:15:01

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 2

Time	Entry	O2 %	CO2 %
08:58:01	1min avg:	14.906	4.565
08:59:01	1min avg:	14.902	4.567
09:00:01	1min avg:	14.897	4.566
09:01:01	1min avg:	14.902	4.564
09:02:01	1min avg:	14.930	4.558
09:03:01	1min avg:	14.977	4.561
09:04:01	1min avg:	14.976	4.565
09:05:01	1min avg:	14.968	4.567
09:06:01	1min avg:	14.967	4.575
09:07:01	1min avg:	14.964	4.573
09:08:01	1min avg:	14.968	4.570
09:09:01	1min avg:	14.969	4.573
09:10:01	1min avg:	14.976	4.567
09:11:01	1min avg:	14.969	4.567
09:12:01	1min avg:	14.940	4.570
09:13:01	1min avg:	14.982	4.573
09:14:01	1min avg:	14.977	4.577
09:15:01	1min avg:	14.975	4.575
09:16:01	1min avg:	14.984	4.568
09:17:01	1min avg:	14.991	4.570
09:18:01	1min avg:	15.004	4.562
09:19:01	1min avg:	14.992	4.570
09:20:01	1min avg:	14.981	4.568
09:21:01	1min avg:	14.981	4.574
09:22:01	1min avg:	14.979	4.575
09:23:01	1min avg:	14.937	4.577
09:24:01	1min avg:	14.996	4.577
09:25:01	1min avg:	14.999	4.579
09:26:01	1min avg:	15.005	4.576
09:27:01	1min avg:	15.005	4.574
09:28:01	1min avg:	15.010	4.572
09:29:01	1min avg:	15.007	4.575
09:30:01	1min avg:	14.998	4.583
09:31:01	1min avg:	14.996	4.575
09:32:01	1min avg:	15.142	4.570
09:33:01	1min avg:	15.253	4.587
09:34:01	1min avg:	15.250	4.590
09:35:01	1min avg:	15.242	4.595
09:36:01	1min avg:	15.229	4.593
09:37:01	1min avg:	15.234	4.588
09:38:01	1min avg:	15.226	4.597
09:39:01	1min avg:	15.223	4.601
09:40:01	1min avg:	15.183	4.589
09:41:01	1min avg:	14.941	4.582
09:42:01	1min avg:	14.941	4.582

GP 2022 September 27
Test Run 1

Start:	9/27/2022	6:42:01
End:	9/27/2022	10:15:01

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 2

Time	Entry	O2 %	CO2 %
09:43:01	1min avg:	14.935	4.580
09:44:01	1min avg:	14.937	4.584
09:45:01	1min avg:	14.942	4.580
09:46:01	1min avg:	14.924	4.597
09:47:01	1min avg:	14.932	4.590
09:48:01	1min avg:	14.937	4.592
09:49:01	1min avg:	15.083	4.595
09:50:01	1min avg:	15.096	4.592
09:51:01	1min avg:	15.088	4.592
09:52:01	1min avg:	15.062	4.598
09:53:01	1min avg:	15.072	4.596
09:54:01	1min avg:	15.076	4.595
09:55:01	1min avg:	15.075	4.598
09:56:01	1min avg:	15.081	4.596
09:57:01	1min avg:	15.077	4.598
09:58:01	1min avg:	15.062	4.601
09:59:01	1min avg:	15.061	4.611
10:00:01	1min avg:	15.077	4.596
10:01:01	1min avg:	15.074	4.592
10:02:01	1min avg:	15.055	4.606
10:03:01	1min avg:	15.075	4.598
10:04:01	1min avg:	15.002	4.596
10:05:01	1min avg:	15.014	4.606
10:06:01	1min avg:	15.014	4.609
10:07:01	1min avg:	15.009	4.614
10:08:01	1min avg:	15.006	4.617
10:09:01	1min avg:	15.004	4.604
10:10:01	1min avg:	15.139	4.600
10:11:01	1min avg:	15.044	4.608
10:12:01	1min avg:	15.024	4.607
10:13:01	1min avg:	15.045	4.603
10:14:01	1min avg:	15.048	4.603
10:15:01	1min avg:	15.043	4.603
10:15:01	Test Avgs:	14.978	4.561

GP 2022 September 27
Test Run 2

Start:	9/27/2022	10:23:00
End:	9/27/2022	13:44:00

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 2

Time	Entry	O2 %	CO2 %
10:24:00	1min avg:	14.848	4.604
10:25:00	1min avg:	14.846	4.604
10:26:00	1min avg:	14.835	4.605
10:27:00	1min avg:	14.837	4.601
10:28:00	1min avg:	14.848	4.603
10:29:00	1min avg:	14.846	4.602
10:30:00	1min avg:	14.845	4.601
10:31:00	1min avg:	15.039	4.602
10:32:00	1min avg:	14.992	4.608
10:33:00	1min avg:	14.960	4.615
10:34:00	1min avg:	14.881	4.613
10:35:00	1min avg:	14.934	4.607
10:36:00	1min avg:	14.953	4.600
10:37:00	1min avg:	14.942	4.600
10:38:00	1min avg:	14.943	4.607
10:39:00	1min avg:	14.942	4.608
10:40:00	1min avg:	14.942	4.610
10:41:00	1min avg:	14.929	4.612
10:42:00	1min avg:	14.937	4.610
10:43:00	1min avg:	14.932	4.615
10:44:00	1min avg:	14.920	4.619
10:45:00	1min avg:	14.941	4.612
10:46:00	1min avg:	15.031	4.610
10:47:00	1min avg:	15.013	4.615
10:48:00	1min avg:	15.037	4.616
10:49:00	1min avg:	15.062	4.606
10:50:00	1min avg:	15.040	4.607
10:51:00	1min avg:	15.036	4.606
10:52:00	1min avg:	15.030	4.620
10:53:00	1min avg:	15.049	4.605
10:54:00	1min avg:	15.048	4.606
10:55:00	1min avg:	15.052	4.612
10:56:00	1min avg:	15.178	4.619
10:57:00	1min avg:	15.185	4.618
10:58:00	1min avg:	15.179	4.620
10:59:00	1min avg:	15.190	4.615
11:00:00	1min avg:	15.176	4.620
11:01:00	1min avg:	15.174	4.620
11:02:00	1min avg:	15.182	4.620
11:03:00	1min avg:	14.832	4.619
11:04:00	1min avg:	14.819	4.622
11:05:00	1min avg:	14.841	4.609
11:06:00	1min avg:	14.824	4.617

GP 2022 September 27
Test Run 2

Start:	9/27/2022	10:23:00
End:	9/27/2022	13:44:00

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 2

Time	Entry	O2 %	CO2 %
11:07:00	1min avg:	14.811	4.629
11:08:00	1min avg:	14.821	4.622
11:09:00	1min avg:	14.812	4.613
11:10:00	1min avg:	14.873	4.625
11:11:00	1min avg:	14.902	4.619
11:12:00	1min avg:	14.907	4.616
11:13:00	1min avg:	14.887	4.627
11:14:00	1min avg:	14.899	4.617
11:15:00	1min avg:	15.078	4.618
11:16:00	1min avg:	14.903	4.619
11:17:00	1min avg:	14.890	4.626
11:18:00	1min avg:	14.912	4.608
11:19:00	1min avg:	14.888	4.621
11:20:00	1min avg:	14.899	4.616
11:21:00	1min avg:	14.902	4.614
11:22:00	1min avg:	14.896	4.621
11:23:00	1min avg:	14.900	4.618
11:24:00	1min avg:	14.910	4.613
11:25:00	1min avg:	14.885	4.604
11:26:00	1min avg:	14.928	4.616
11:27:00	1min avg:	14.918	4.619
11:28:00	1min avg:	14.933	4.616
11:29:00	1min avg:	14.921	4.628
11:30:00	1min avg:	16.490	4.654
11:31:00	1min avg:	16.858	4.666
11:32:00	1min avg:	16.813	4.669
11:33:00	1min avg:	16.850	4.669
11:34:00	1min avg:	16.870	4.675
11:35:00	1min avg:	16.824	4.670
11:36:00	1min avg:	16.496	4.666
11:37:00	1min avg:	14.948	4.629
11:38:00	1min avg:	14.953	4.630
11:39:00	1min avg:	14.965	4.624
11:40:00	1min avg:	14.963	4.630
11:41:00	1min avg:	14.980	4.628
11:42:00	1min avg:	14.972	4.626
11:43:00	1min avg:	14.979	4.624
11:44:00	1min avg:	14.969	4.624
11:45:00	1min avg:	14.922	4.631
11:46:00	1min avg:	14.930	4.634
11:47:00	1min avg:	14.924	4.633
11:48:00	1min avg:	14.943	4.625
11:49:00	1min avg:	14.947	4.622

GP 2022 September 27
Test Run 2

Start:	9/27/2022	10:23:00
End:	9/27/2022	13:44:00

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 2

Time	Entry	O2 %	CO2 %
11:50:00	1min avg:	14.927	4.626
11:51:00	1min avg:	14.932	4.631
11:52:00	1min avg:	14.925	4.625
11:53:00	1min avg:	14.910	4.636
11:54:00	1min avg:	14.858	4.630
11:55:00	1min avg:	14.851	4.627
11:56:00	1min avg:	14.836	4.631
11:57:00	1min avg:	14.864	4.624
11:58:00	1min avg:	14.872	4.618
11:59:00	1min avg:	14.840	4.638
12:00:00	1min avg:	14.843	4.634
12:01:00	1min avg:	15.170	4.638
12:02:00	1min avg:	16.472	4.671
12:03:00	1min avg:	16.430	4.678
12:04:00	1min avg:	16.499	4.673
12:05:00	1min avg:	16.150	4.667
12:06:00	1min avg:	14.837	4.638
12:07:00	1min avg:	14.847	4.636
12:08:00	1min avg:	14.854	4.632
12:09:00	1min avg:	14.865	4.634
12:10:00	1min avg:	14.924	4.637
12:11:00	1min avg:	14.958	4.630
12:12:00	1min avg:	14.957	4.635
12:13:00	1min avg:	14.955	4.634
12:14:00	1min avg:	14.953	4.639
12:15:00	1min avg:	14.956	4.635
12:16:00	1min avg:	14.873	4.632
12:17:00	1min avg:	14.824	4.632
12:18:00	1min avg:	14.811	4.642
12:19:00	1min avg:	14.823	4.640
12:20:00	1min avg:	14.812	4.641
12:21:00	1min avg:	14.812	4.635
12:22:00	1min avg:	14.818	4.633
12:23:00	1min avg:	14.804	4.643
12:24:00	1min avg:	14.822	4.634
12:25:00	1min avg:	14.822	4.631
12:26:00	1min avg:	14.808	4.641
12:27:00	1min avg:	14.907	4.648
12:28:00	1min avg:	14.900	4.650
12:29:00	1min avg:	14.913	4.644
12:30:00	1min avg:	14.932	4.638
12:31:00	1min avg:	14.929	4.644
12:32:00	1min avg:	14.924	4.648

GP 2022 September 27
Test Run 2

Start:	9/27/2022	10:23:00
End:	9/27/2022	13:44:00

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 2

Time	Entry	O2 %	CO2 %
12:33:00	1min avg:	14.918	4.649
12:34:00	1min avg:	14.897	4.639
12:35:00	1min avg:	14.876	4.638
12:36:00	1min avg:	14.872	4.642
12:37:00	1min avg:	14.872	4.644
12:38:00	1min avg:	14.886	4.633
12:39:00	1min avg:	14.893	4.629
12:40:00	1min avg:	14.881	4.637
12:41:00	1min avg:	14.865	4.637
12:42:00	1min avg:	14.857	4.643
12:43:00	1min avg:	14.882	4.635
12:44:00	1min avg:	14.856	4.642
12:45:00	1min avg:	14.874	4.642
12:46:00	1min avg:	14.950	4.646
12:47:00	1min avg:	15.021	4.646
12:48:00	1min avg:	15.040	4.640
12:49:00	1min avg:	15.019	4.652
12:50:00	1min avg:	15.011	4.654
12:51:00	1min avg:	16.808	4.675
12:52:00	1min avg:	17.942	4.701
12:53:00	1min avg:	17.912	4.709
12:54:00	1min avg:	17.982	4.709
12:55:00	1min avg:	17.881	4.703
12:56:00	1min avg:	17.934	4.714
12:57:00	1min avg:	17.820	4.709
12:58:00	1min avg:	17.972	4.707
12:59:00	1min avg:	17.901	4.704
13:00:00	1min avg:	17.939	4.712
13:01:00	1min avg:	15.447	4.669
13:02:00	1min avg:	15.020	4.645
13:03:00	1min avg:	15.043	4.640
13:04:00	1min avg:	15.022	4.647
13:05:00	1min avg:	15.050	4.646
13:06:00	1min avg:	15.041	4.642
13:07:00	1min avg:	15.052	4.643
13:08:00	1min avg:	15.025	4.653
13:09:00	1min avg:	15.044	4.651
13:10:00	1min avg:	15.033	4.648
13:11:00	1min avg:	15.055	4.643
13:12:00	1min avg:	15.044	4.639
13:13:00	1min avg:	14.787	4.636
13:14:00	1min avg:	14.709	4.636
13:15:00	1min avg:	14.708	4.638

GP 2022 September 27
Test Run 2

Start:	9/27/2022	10:23:00
End:	9/27/2022	13:44:00

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 2

Time	Entry	O2 %	CO2 %
13:16:00	1min avg:	14.718	4.632
13:17:00	1min avg:	14.704	4.633
13:18:00	1min avg:	14.701	4.637
13:19:00	1min avg:	14.684	4.639
13:20:00	1min avg:	14.689	4.646
13:21:00	1min avg:	14.694	4.633
13:22:00	1min avg:	14.700	4.634
13:23:00	1min avg:	14.691	4.637
13:24:00	1min avg:	14.693	4.635
13:25:00	1min avg:	14.694	4.639
13:26:00	1min avg:	14.706	4.632
13:27:00	1min avg:	14.707	4.632
13:28:00	1min avg:	14.705	4.634
13:29:00	1min avg:	14.704	4.637
13:30:00	1min avg:	14.703	4.638
13:31:00	1min avg:	14.701	4.635
13:32:00	1min avg:	14.697	4.637
13:33:00	1min avg:	14.704	4.633
13:34:00	1min avg:	14.698	4.637
13:35:00	1min avg:	14.695	4.634
13:36:00	1min avg:	14.692	4.641
13:37:00	1min avg:	14.711	4.629
13:38:00	1min avg:	14.692	4.636
13:39:00	1min avg:	14.689	4.637
13:40:00	1min avg:	14.696	4.633
13:41:00	1min avg:	14.707	4.626
13:42:00	1min avg:	14.681	4.642
13:43:00	1min avg:	14.689	4.633
13:44:00	1min avg:	14.689	4.636
13:44:00	Test Avgs:	15.136	4.634

GP 2022 September 27
Test Run 3

Start:	9/27/2022	13:51:00
End:	9/27/2022	17:16:00

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 2

Time	Entry	O2 %	CO2 %
13:52:00	1min avg:	14.707	4.636
13:53:00	1min avg:	14.702	4.643
13:54:00	1min avg:	14.697	4.642
13:55:00	1min avg:	14.684	4.633
13:56:00	1min avg:	14.682	4.643
13:57:00	1min avg:	14.669	4.634
13:58:00	1min avg:	14.687	4.631
13:59:00	1min avg:	14.686	4.638
14:00:00	1min avg:	14.664	4.645
14:01:00	1min avg:	14.684	4.639
14:02:00	1min avg:	14.684	4.635
14:03:00	1min avg:	14.868	4.637
14:04:00	1min avg:	14.945	4.639
14:05:00	1min avg:	14.921	4.646
14:06:00	1min avg:	14.919	4.649
14:07:00	1min avg:	14.930	4.642
14:08:00	1min avg:	14.923	4.650
14:09:00	1min avg:	14.925	4.649
14:10:00	1min avg:	14.942	4.642
14:11:00	1min avg:	14.908	4.645
14:12:00	1min avg:	14.937	4.649
14:13:00	1min avg:	14.936	4.645
14:14:00	1min avg:	14.933	4.641
14:15:00	1min avg:	14.934	4.640
14:16:00	1min avg:	14.936	4.648
14:17:00	1min avg:	14.944	4.643
14:18:00	1min avg:	14.944	4.646
14:19:00	1min avg:	14.930	4.648
14:20:00	1min avg:	14.929	4.650
14:21:00	1min avg:	14.943	4.644
14:22:00	1min avg:	14.918	4.648
14:23:00	1min avg:	14.930	4.638
14:24:00	1min avg:	14.923	4.647
14:25:00	1min avg:	14.928	4.649
14:26:00	1min avg:	14.934	4.643
14:27:00	1min avg:	14.940	4.641
14:28:00	1min avg:	14.932	4.650
14:29:00	1min avg:	14.935	4.647
14:30:00	1min avg:	14.938	4.644
14:31:00	1min avg:	14.930	4.650
14:32:00	1min avg:	14.930	4.648
14:33:00	1min avg:	14.930	4.651
14:34:00	1min avg:	14.950	4.645
14:35:00	1min avg:	14.947	4.650

GP 2022 September 27
Test Run 3

Start:	9/27/2022	13:51:00
End:	9/27/2022	17:16:00

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 2

Time	Entry	O2 %	CO2 %
14:36:00	1min avg:	14.945	4.650
14:37:00	1min avg:	14.940	4.650
14:38:00	1min avg:	14.930	4.655
14:39:00	1min avg:	14.941	4.643
14:40:00	1min avg:	14.936	4.646
14:41:00	1min avg:	14.914	4.658
14:42:00	1min avg:	14.918	4.655
14:43:00	1min avg:	14.902	4.658
14:44:00	1min avg:	15.000	4.654
14:45:00	1min avg:	15.001	4.660
14:46:00	1min avg:	15.004	4.665
14:47:00	1min avg:	15.003	4.669
14:48:00	1min avg:	15.009	4.661
14:49:00	1min avg:	15.070	4.661
14:50:00	1min avg:	14.866	4.655
14:51:00	1min avg:	14.854	4.664
14:52:00	1min avg:	14.867	4.651
14:53:00	1min avg:	14.854	4.660
14:54:00	1min avg:	14.858	4.658
14:55:00	1min avg:	14.860	4.654
14:56:00	1min avg:	14.857	4.657
14:57:00	1min avg:	14.854	4.662
14:58:00	1min avg:	14.864	4.656
14:59:00	1min avg:	14.864	4.657
15:00:00	1min avg:	14.865	4.657
15:01:00	1min avg:	14.863	4.654
15:02:00	1min avg:	14.864	4.653
15:03:00	1min avg:	14.877	4.646
15:04:00	1min avg:	14.883	4.645
15:05:00	1min avg:	14.874	4.650
15:06:00	1min avg:	14.860	4.660
15:07:00	1min avg:	14.863	4.658
15:08:00	1min avg:	14.863	4.657
15:09:00	1min avg:	14.876	4.650
15:10:00	1min avg:	14.880	4.649
15:11:00	1min avg:	14.863	4.659
15:12:00	1min avg:	14.872	4.655
15:13:00	1min avg:	14.870	4.657
15:14:00	1min avg:	14.878	4.654
15:15:00	1min avg:	14.876	4.656
15:16:00	1min avg:	14.879	4.658
15:17:00	1min avg:	14.876	4.654
15:18:00	1min avg:	14.865	4.657
15:19:00	1min avg:	14.981	4.660

GP 2022 September 27
Test Run 3

Start:	9/27/2022	13:51:00
End:	9/27/2022	17:16:00

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 2

Time	Entry	O2 %	CO2 %
15:20:00	1min avg:	15.076	4.664
15:21:00	1min avg:	15.091	4.659
15:22:00	1min avg:	15.097	4.658
15:23:00	1min avg:	15.098	4.660
15:24:00	1min avg:	15.238	4.656
15:25:00	1min avg:	14.939	4.657
15:26:00	1min avg:	14.942	4.653
15:27:00	1min avg:	14.939	4.651
15:28:00	1min avg:	14.937	4.648
15:29:00	1min avg:	14.903	4.650
15:30:00	1min avg:	14.960	4.650
15:31:00	1min avg:	14.962	4.651
15:32:00	1min avg:	14.974	4.644
15:33:00	1min avg:	14.975	4.647
15:34:00	1min avg:	14.972	4.652
15:35:00	1min avg:	17.208	4.695
15:36:00	1min avg:	17.468	4.716
15:37:00	1min avg:	17.471	4.716
15:38:00	1min avg:	17.495	4.714
15:39:00	1min avg:	17.480	4.714
15:40:00	1min avg:	15.921	4.696
15:41:00	1min avg:	14.792	4.643
15:42:00	1min avg:	14.785	4.645
15:43:00	1min avg:	14.795	4.641
15:44:00	1min avg:	14.788	4.645
15:45:00	1min avg:	14.793	4.647
15:46:00	1min avg:	14.974	4.656
15:47:00	1min avg:	14.908	4.656
15:48:00	1min avg:	14.909	4.653
15:49:00	1min avg:	14.909	4.653
15:50:00	1min avg:	14.913	4.647
15:51:00	1min avg:	14.916	4.647
15:52:00	1min avg:	14.517	4.639
15:53:00	1min avg:	14.462	4.644
15:54:00	1min avg:	14.460	4.642
15:55:00	1min avg:	14.471	4.637
15:56:00	1min avg:	14.474	4.634
15:57:00	1min avg:	14.756	4.647
15:58:00	1min avg:	14.822	4.645
15:59:00	1min avg:	14.817	4.649
16:00:00	1min avg:	14.820	4.648
16:01:00	1min avg:	14.814	4.651
16:02:00	1min avg:	14.810	4.656
16:03:00	1min avg:	14.747	4.646

GP 2022 September 27
Test Run 3

Start:	9/27/2022	13:51:00
End:	9/27/2022	17:16:00

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 2

Time	Entry	O2 %	CO2 %
16:04:00	1min avg:	14.789	4.650
16:05:00	1min avg:	14.794	4.651
16:06:00	1min avg:	14.794	4.652
16:07:00	1min avg:	14.801	4.648
16:08:00	1min avg:	14.967	4.652
16:09:00	1min avg:	14.854	4.652
16:10:00	1min avg:	14.854	4.652
16:11:00	1min avg:	14.852	4.653
16:12:00	1min avg:	14.846	4.657
16:13:00	1min avg:	14.738	4.644
16:14:00	1min avg:	14.456	4.638
16:15:00	1min avg:	14.761	4.643
16:16:00	1min avg:	14.869	4.655
16:17:00	1min avg:	14.871	4.656
16:18:00	1min avg:	14.875	4.653
16:19:00	1min avg:	14.958	4.653
16:20:00	1min avg:	14.848	4.658
16:21:00	1min avg:	14.854	4.652
16:22:00	1min avg:	14.853	4.655
16:23:00	1min avg:	14.855	4.650
16:24:00	1min avg:	14.848	4.656
16:25:00	1min avg:	14.848	4.656
16:26:00	1min avg:	14.847	4.653
16:27:00	1min avg:	14.839	4.652
16:28:00	1min avg:	14.912	4.654
16:29:00	1min avg:	14.921	4.651
16:30:00	1min avg:	14.927	4.648
16:31:00	1min avg:	14.928	4.647
16:32:00	1min avg:	14.926	4.654
16:33:00	1min avg:	14.904	4.656
16:34:00	1min avg:	14.903	4.658
16:35:00	1min avg:	14.906	4.655
16:36:00	1min avg:	14.899	4.658
16:37:00	1min avg:	14.901	4.655
16:38:00	1min avg:	14.903	4.655
16:39:00	1min avg:	14.799	4.652
16:40:00	1min avg:	14.836	4.651
16:41:00	1min avg:	14.838	4.650
16:42:00	1min avg:	14.844	4.651
16:43:00	1min avg:	14.841	4.654
16:44:00	1min avg:	14.871	4.657
16:45:00	1min avg:	14.772	4.656
16:46:00	1min avg:	14.769	4.659
16:47:00	1min avg:	14.774	4.654

GP 2022 September 27
Test Run 3

Start:	9/27/2022	13:51:00
End:	9/27/2022	17:16:00

Operator:	J. Grizzle
Plant:	Plant McIntosh
Location:	Rincon, GA
Source ID:	Unit 2

Time	Entry	O2 %	CO2 %
16:48:00	1min avg:	14.772	4.654
16:49:00	1min avg:	14.766	4.658
16:50:00	1min avg:	14.879	4.658
16:51:00	1min avg:	14.959	4.657
16:52:00	1min avg:	14.974	4.652
16:53:00	1min avg:	14.983	4.645
16:54:00	1min avg:	14.967	4.657
16:55:00	1min avg:	15.164	4.657
16:56:00	1min avg:	14.868	4.662
16:57:00	1min avg:	14.866	4.659
16:58:00	1min avg:	14.872	4.655
16:59:00	1min avg:	14.874	4.654
17:00:00	1min avg:	14.881	4.654
17:01:00	1min avg:	14.941	4.653
17:02:00	1min avg:	14.949	4.649
17:03:00	1min avg:	14.947	4.654
17:04:00	1min avg:	14.954	4.647
17:05:00	1min avg:	14.959	4.647
17:06:00	1min avg:	14.886	4.647
17:07:00	1min avg:	14.882	4.646
17:08:00	1min avg:	14.880	4.645
17:09:00	1min avg:	14.880	4.641
17:10:00	1min avg:	14.881	4.642
17:11:00	1min avg:	14.847	4.640
17:12:00	1min avg:	14.925	4.644
17:13:00	1min avg:	14.931	4.644
17:14:00	1min avg:	14.932	4.645
17:15:00	1min avg:	15.076	4.650
17:16:00	1min avg:	14.855	4.644
17:16:00	Test Avgs:	14.943	4.652

Lab Analysis

Filterable Particulate Sample Analysis Summary

Project#:	**491281**	Unit ID:	**CT Unit 1 - NG**
Company:	**Georgia Power**	Location:	**Exhaust**
Plant:	**McIntosh Plant**	Test Date(s):	9/14/2022

Filterable PM	Run 1	Run 2	Run 3	Run 4	Blank
Filter material collected in acetone rinse?	N	N	N	N	
Filter final - Filter tare (mg):	-4.04	21.17	-3.14	-0.18	
Rinse volume, V_{aw}, (ml):	0.1	0.1	0.1	0.1	0.1
Rinse final - Rinse tare, m_a, (mg):	2.66	14.32	3.11	2.18	0.0
Rinse blank correction, W_a (mg)**:	0.00	0.00	0.00	0.00	
Total rinse mass (mg):	2.66	14.32	3.11	2.18	
***Total Filterable PM, m_n, (milligrams):**	**3.16**	**35.49**	**3.61**	**2.68**	

***** If filter material was recovered in the acetone rinse, and the sum of the filter weight increase and the total rinse mass is ≥ zero, subsequent calculations are performed using that value.

***** If filter material was recovered in the acetone rinse, and the sum of the filter weight increase and the total rinse mass is < zero, subsequent calculations are performed using a value of 1 mg

* If filter material was not recovered in the acetone rinse, and the result from the lab for either fraction is < zero, subsequent calculations are performed using a value of 0.5 mg for that fraction

** - the maximum allowable blank correction is 0.0079 mg/ml

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Filterable Particulate Sample Analysis Summary

Project#:	**491281**	Unit ID:	**CT Unit 1 - NG**
Company:	**Georgia Power**	Location:	**Exhaust**
Plant:	**McIntosh Plant**	Test Date(s):	9/15/2022

You must select Y or N for each Run in Row 9

Filterable PM	Run 5	Run 6	Run 7	Run 4	Blank
Filter material collected in acetone rinse?	N	N	N		
Filter final - Filter tare (mg):	-1.64	0.11	0.79	-	
Rinse volume, V_{aw}, (ml):	0.1	0.1	0.1	-	0.1
Rinse final - Rinse tare, m_a, (mg):	1.25	3.43	2.19	-	0.0
Rinse blank correction, W_a (mg)**:	0.00	0.00	0.00	-	
Total rinse mass (mg):	1.25	3.43	2.19	-	
***Total Filterable PM, m_n, (milligrams):**	**1.75**	**3.54**	**2.98**	**-**	

***** If filter material was recovered in the acetone rinse, and the sum of the filter weight increase and the total rinse mass is > zero, subsequent calculations are performed using that value.

***** If filter material was recovered in the acetone rinse, and the sum of the filter weight increase and the total rinse mass is < zero, subsequent calculations are performed using a value of 1 mg

* If filter material was not recovered in the acetone rinse, and the result from the lab for either fraction is < zero, subsequent calculations are performed using a value of 0.5 mg for that fraction

** - the maximum allowable blank correction is 0.0079 mg/ml

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Method 29 Sample Analysis Summary

Project#:	**491281**	Unit ID:	**CT Unit 1 - NG**
Company:	**Georgia Power**	Location:	**Exhaust**
Plant:	**McIntosh Plant**	Test Date(s):	**September 14, 2022**

Filter Diameter (mm): 82 (NuTech)

Gross front-half metals

	Run 1	Run 2	Run 3	Run 4	Reagent Blank
Ag (ug)	-	-	-	-	-
As (µg)	< 1.78	< 1.78	< 1.78	< 1.78	< 0.00
Ba (µg)	-	-	-	-	-
Be (µg)	< 0.02	< 0.02	< 0.02	< 0.02	< 0.00
Cd (µg)	< 0.28	< 0.28	< 0.28	< 0.28	< 0.00
Cr (µg)	7.15	6.04	6.23	5.44	-
Co (µg)	< 2.00	< 2.00	< 2.00	< 2.00	< 0.00
Cu (µg)	-	-	-	-	-
1B Hg (µg)	< 0.08	< 0.08	< 0.08	< 0.08	< 0.00
Mn (µg)	2.11	2.15	1.32	2.49	< 0.00
Ni (µg)	3.89	2.32	2.25	1.45	< 0.00
P (µg)	-	-	-	-	-
Pb (µg)	< 0.94	< 0.94	< 0.94	< 0.94	< 0.00
Sb (µg)	1.26	1.22	1.31	1.42	< 0.00
Se (µg)	< 1.32	< 1.32	< 1.32	< 1.32	< 0.00
Tl (µg)	-	-	-	-	-
Zn (µg)	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-

"<" indicates that the mass of a metal in the sample was below the laboratory analytical detection limit

Blank-corrected front-half metals

	Run 1	Run 2	Run 3	Run 4
Ag (µg)	-	-	-	-
As (µg)	1.78 *	1.78 *	1.78 *	1.78 *
Ba (µg)	-	-	-	-
Be (µg)	0.02 *	0.02 *	0.02 *	0.02 *
Cd (µg)	0.28 *	0.28 *	0.28 *	0.28 *
Cr (µg)	0.00	0.00	0.00	0.00
Co (µg)	2.00 *	2.00 *	2.00 *	2.00 *
Cu (µg)	-	-	-	-
1B Hg (µg)	N/A *	N/A *	N/A *	N/A *
Mn (µg)	2.11	2.15	1.32	2.49
Ni (µg)	3.89	2.32	2.25	1.45
P (µg)	-	-	-	-
Pb (µg)	0.94 *	0.94 *	0.94 *	0.94 *
Sb (µg)	1.26	1.22	1.31	1.42
Se (µg)	1.32 *	1.32 *	1.32 *	1.32 *
Tl (µg)	-	-	-	-
Zn (µg)	-	-	-	-
-	-	-	-	-
-	-	-	-	-

* If a "Gross" Run value was below the detection limit, subsequent calculations used the detection limit
If a Reagent Blank value was below the detection limit, subsequent calculations used a value of 0.0

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Method 29 Sample Analysis Summary

FSR#:	**491281**	Unit ID:	**CT Unit 1 - NG**
Company:	**Georgia Power**	Location:	**Exhaust**
Plant:	**McIntosh Plant**	Test Date(s):	**September 14, 2022**

You must select an option in cell J54 & J55 for this sheet to function

Gross Back-half metals

	Run 1	Run 2	Run 3	Run 4	Reagent Blank
Ag (µg)	-	-	-	-	`
As (µg)	< 0.18	< 0.18	< 0.18	< 0.18	< 0.00
Ba (µg)	-	-	-	-	-
Be (µg)	< 0.05	< 0.05	< 0.05	< 0.05	< 0.00
Cd (µg)	0.08	0.10	0.05	< 0.02	< 0.00
Cr (µg)	2.26	1.54	1.27	0.94	< 0.00
Co (µg)	0.16	< 0.10	< 0.10	< 0.10	< 0.00
Cu (µg)	-	-	-	-	-
2B Hg (µg)	0.22	< 0.12	< 0.12	< 0.12	< 0.00
3A Hg (µg)	< 0.12	< 0.12	< 0.12	< 0.12	< 0.00
3B Hg (µg)	< 0.05	-	< 0.05	< 0.48	< 0.00
3C Hg (µg)	< 0.12	< 0.10	< 0.13	< 0.13	< 0.00
Mn (µg)	3.11	1.97	7.07	5.66	< 0.00
Ni (µg)	0.85	2.17	0.57	0.60	< 0.00
P (µg)	-	-	-	-	-
Pb (µg)	1.82	1.00	< 0.48	< 0.48	< 0.00
Sb (µg)	< 0.84	< 0.84	< 0.84	< 0.84	< 0.00
Se (µg)	8.96	2.20	1.45	0.69	< 0.00
Tl (µg)	-	-	-	-	-
Zn (µg)	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-

"<" indicates that the mass of a metal in the sample was below the laboratory analytical detection limit

Blank-corrected back-half metals

	Run 1	Run 2	Run 3	Run 4
Ag (µg)	-	-	-	-
As (µg)	0.18 *	0.18 *	0.18 *	0.18 *
Ba (µg)	-	-	-	-
Be (µg)	0.05 *	0.05 *	0.05 *	0.05 *
Cd (µg)	0.08	0.10	0.05	0.02 *
Cr (µg)	2.26	1.54	1.27	0.94
Co (µg)	0.16	0.10 *	0.10 *	0.10 *
Cu (µg)	-	-	-	-
Total Hg (front and back) (µg)	0.60	0.42	0.50	0.93
Mn (µg)	3.11	1.97	7.07	5.66
Ni (µg)	0.85	2.17	0.57	0.60
P (µg)	-	-	-	-
Pb (µg)	1.82	1.00	0.48 *	0.48 *
Sb (µg)	0.84 *	0.84 *	0.84 *	0.84 *
Se (µg)	8.96	2.20	1.45	0.69
Tl (µg)	-	-	-	-
Zn (µg)	-	-	-	-
-	-	-	-	-
-	-	-	-	-

* If a "Gross" Run value was below the detection limit, subsequent calculations used the detection limit

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Method 29 Sample Analysis Summary

Project#:	**491281**	Unit ID:	**CT Unit 1 - NG**
Company:	**Georgia Power**	Location:	**Exhaust**
Plant:	**McIntosh Plant**	Test Date(s):	**September 15, 2022**

Filter Diameter (mm): 82 (NuTech)

Gross front-half metals

	Run 5	Run 6	Run 7	Run 4	Reagent Blank
Ag (ug)	-	-	-	-	-
As (µg)	< 1.78	< 1.78	< 1.78	-	< 0.00
Ba (µg)	-	-	-	-	-
Be (µg)	< 0.02	< 0.02	< 0.02	-	< 0.00
Cd (µg)	< 0.28	< 0.28	< 0.28	-	< 0.00
Cr (µg)	7.26	4.91	6.15	-	< 0.00
Co (µg)	< 2.00	< 2.00	< 2.00	-	< 0.00
Cu (µg)	-	-	-	-	
1B Hg (µg)	< 0.08	< 0.08	< 0.08	-	< 0.00
Mn (µg)	0.99	1.61	1.57	-	< 0.00
Ni (µg)	1.59	2.04	1.14	-	< 0.00
P (µg)	-	-	-	-	-
Pb (µg)	< 0.94	< 0.94	2.14	-	< 0.00
Sb (µg)	1.20	1.32	1.93	-	< 0.00
Se (µg)	< 1.32	< 1.32	< 1.32	-	< 0.00
Tl (µg)	-	-	-	-	-
Zn (µg)	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-

"<" indicates that the mass of a metal in the sample was below the laboratory analytical detection limit

Blank-corrected front-half metals

	Run 5	Run 6	Run 7	Run 4
Ag (µg)	-	-	-	-
As (µg)	1.78 *	1.78 *	1.78 *	-
Ba (µg)	-	-	-	-
Be (µg)	0.02 *	0.02 *	0.02 *	-
Cd (µg)	0.28 *	0.28 *	0.28 *	-
Cr (µg)	7.26	4.91	6.15	-
Co (µg)	2.00 *	2.00 *	2.00 *	-
Cu (µg)	-	-	-	-
1B Hg (µg)	N/A *	N/A *	N/A *	N/A
Mn (µg)	0.99	1.61	1.57	-
Ni (µg)	1.59	2.04	1.14	-
P (µg)	-	-	-	-
Pb (µg)	0.94 *	0.94 *	2.14	-
Sb (µg)	1.20	1.32	1.93	-
Se (µg)	1.32 *	1.32 *	1.32 *	-
Tl (µg)	-	-	-	-
Zn (µg)	-	-	-	-
-	-	-	-	-
-	-	-	-	-

* If a "Gross" Run value was below the detection limit, subsequent calculations used the detection limit
If a Reagent Blank value was below the detection limit, subsequent calculations used a value of 0.0

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Method 29 Sample Analysis Summary

FSR#:	**491281**	Unit ID:	**CT Unit 1 - NG**
Company:	**Georgia Power**	Location:	**Exhaust**
Plant:	**McIntosh Plant**	Test Date(s):	**September 15, 2022**

You must select an option in cell J54 & J55 for this sheet to function

Gross Back-half metals

	Run 5	Run 6	Run 7	Run 4	Reagent Blank
Ag (µg)	-	-	-	-	`
As (µg)	< 0.18	< 0.18	< 0.18	-	< 0.00
Ba (µg)	-	-	-	-	-
Be (µg)	< 0.05	< 0.05	< 0.05	-	< 0.00
Cd (µg)	0.04	0.16	0.56	-	< 0.00
Cr (µg)	0.91	1.34	0.85	-	< 0.00
Co (µg)	< 0.10	< 0.10	0.11	-	< 0.00
Cu (µg)	-	-	-	-	-
2B Hg (µg)	< 0.12	< 0.12	< 0.12	-	< 0.00
3A Hg (µg)	< 0.12	< 0.12	< 0.12	-	< 0.00
3B Hg (µg)	< 0.05	< 0.05	< 0.05	-	< 0.00
3C Hg (µg)	< 0.11	< 0.12	< 0.12	-	< 0.00
Mn (µg)	1.61	2.12	135.00	-	< 0.00
Ni (µg)	0.28	0.85	0.54	-	< 0.00
P (µg)	-	-	-	-	-
Pb (µg)	< 0.48	0.71	0.91	-	< 0.00
Sb (µg)	< 0.84	< 0.84	< 0.84	-	< 0.00
Se (µg)	1.27	0.47	1.07	-	< 0.00
Tl (µg)	-	-	-	-	-
Zn (µg)	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-

"<" indicates that the mass of a metal in the sample was below the laboratory analytical detection limit

Blank-corrected back-half metals

	Run 5	Run 6	Run 7	Run 4
Ag (µg)	-	-	-	-
As (µg)	0.18 *	0.18 *	0.18 *	-
Ba (µg)	-	-	-	-
Be (µg)	0.05 *	0.05 *	0.05 *	-
Cd (µg)	0.04	0.16	0.56	-
Cr (µg)	0.91	1.34	0.85	-
Co (µg)	0.10 *	0.10 *	0.11	-
Cu (µg)	-	-	-	-
Total Hg (front and back) (µg)	0.49	0.49	0.50	-
Mn (µg)	1.61	2.12	135.00	-
Ni (µg)	0.28	0.85	0.54	-
P (µg)	-	-	-	-
Pb (µg)	0.48 *	0.71	0.91	-
Sb (µg)	0.84 *	0.84 *	0.84 *	-
Se (µg)	1.27	0.47	1.07	-
Tl (µg)	-	-	-	-
Zn (µg)	-	-	-	-
-	-	-	-	-
-	-	-	-	-

* If a "Gross" Run value was below the detection limit, subsequent calculations used the detection limit

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ANALYTICAL REPORT

Eurofins Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921
Tel: (865)291-3000

Laboratory Job ID: 140-28983-1
Client Project/Site: Georiga Power Mcintosh IRC-Unit 1/NG M5/29

For:
TRC Environmental Corporation
3800 Colonnade
Suite 175
Birmingham, Alabama 35243

Attn: Jon Howard

Authorized for release by:
10/19/2022 4:29:08 PM

Courtney Adkins, Project Manager II
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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: TRC Environmental Corporation
Job ID: 140-28983-1
Project/Site: Georiga Power Mcintosh IRC-Unit 1/NG M5/29

Qualifiers

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 140-28983-1

Laboratory: Eurofins Knoxville

Narrative

Job Narrative
140-28983-1

Receipt

The samples were received on 9/28/2022 7:45 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 19.1° C.

Receipt Exceptions

The following sample was listed on the Chain of Custody (COC); however, no sample was received: UNIT_1-5-29_NG_RUN2_CONT 5B (140-28983-13).

Metals

Multi-Metals Train Preparation and Analysis

These stack gas samples were prepared and analyzed using Eurofins TestAmerica Knoxville standard operating procedure KNOX-MT-0006 which is based on EPA SW-846 Method 0060, “Determination of Metals in Stack Emissions” and Method 29, “Determination of Metals Emissions from Stationary Sources”. SW-846 Methods 6010C and 7470A as incorporated in Eurofins TestAmerica Knoxville standard operating procedures KNOX-MT-0007 and KNOX-MT-0009 were used to perform the final instrument analysis.

Acid digestion was performed on the front half particulate filter and the acetone and nitric acid probe rinse fractions separately using HNO3 and HF. After digestion, the HF was sequestered using H3BO3 followed by another heating cycle. These digestates were combined, adjusted to final volume and analyzed by ICP. A portion of the ICP digestate was prepared for CVAA analysis in order to determine the particle-bound mercury. Results were calculated using the following equations:

ICP Analyte, µg/sample = (Raw Sample Concentration, µg/L) x (Bench DF) x (Final Volume ICP Digestate, L)

Hg, µg/sample = (Raw Sample Concentration, µg/L) x (Bench DF) x (Final Volume ICP Digestate, L) x (Final Volume Hg Digestate, mL / Volume ICP Digestate Used, mL)

The 5%HNO3/10%H2O2 impinger samples were reduced in volume to 100 mL. A 20 milliliter portion of the concentrated sample was removed and processed for mercury. The remaining 80 mL of concentrated sample was digested using HNO3 and H2O2, adjusted to a final volume of 80 mL, and analyzed by ICP. Results were calculated using the following equations:

ICP Analyte, µg/sample = (Raw Sample Concentration, µg/L) x (Bench DF) x (Final Volume Concentrated Sample, L) x (Final Volume ICP Digestate, mL / Volume Conc. Sample Digested, mL)

Hg, µg/sample = (Raw Sample Concentration, µg/L) x (Bench DF) x (Final Volume Concentrated Sample, L) x (Final Volume Hg Digestate, mL / Volume Conc. Sample Digested, mL)

For the 0.1N HNO3 rinse samples (empty impingers), a 2.5 milliliter portion of the sample as received was removed and processed for mercury.

The 4% KMnO4/10%H2SO4 impinger samples were filtered to remove MnO2, followed by removal of a 25 mL portion of filtrate for mercury processing. The filtered MnO2 residue was digested in HCl, combined with the HCl rinse sample and analyzed for mercury.

Results for the 0.1N HNO3 rinse samples and the KMnO4 filtrate were calculated using the following equation:

Hg, µg/sample = (Raw Sample Concentration, µg/L) x (Bench DF) x (Total Sample Volume, L) x (Final Volume Hg Digestate, mL / Volume Sample Digested, mL)

Results for the combined MnO2 residue HCl digestates and HCl rinse samples were calculated as follows:

Job ID: 140-28983-1 (Continued)

Laboratory: Eurofins Knoxville (Continued)

Hg, µg/sample = (Raw Sample Concentration, µg/L) x (Bench DF) x (Total Sample Volume, L + MnO2 HCl Volume, L) x (Final Volume Hg Digestate, mL / Volume Sample Digested, mL)

Note: The total sample volume for the 5%HNO3/10%H2O2 impinger samples is the final volume of the concentrated sample. The total sample volume for the combined MnO2 residue HCl digestates and HCl rinse samples is equal to the total sample volume plus the MnO2 HCl volume.

Method 29/6010C: The following samples were diluted due to the presence of Silicon which interferes with Arsenic, Cobalt, Lead, Nickel and Selenium: UNIT_1-5-29_NG_RUN1_CONT 1,2,3 (140-28983-3), UNIT_1-5-29_NG_RUN2_CONT 1,2,3 (140-28983-10), UNIT_1-5-29_NG_RUN3_CONT 1,2,3 (140-28983-17), UNIT_1-5-29_NG_RUN4_CONT 1,2,3 (140-28983-24), UNIT_1-5-29_NG_RUN5_CONT 1,2,3 (140-28983-31), UNIT_1-5-29_NG_RUN6_CONT 1,2,3 (140-28983-38) and UNIT_1-5-29_NG_RUN7_CONT 1,2,3 (140-28983-45). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry

Total Particulates: The measurement of the mass of particulate matter trapped by the particulate filter and probe rinse derived from an M-5 sampling train was performed using SOP number KNOX-WC-0006 (based on EPA Methods 0050 and 5). Microfiber filters and 150 mL beakers are carefully inspected and tare weighed to constant weight. After sample collection, the filters are dried, and then carefully weighed to constant weight to determine the mass of particulate matter trapped on the filters. The acetone probe rinse solution is evaporated to dryness, and then weighed to constant weight to determine the total particulate mass collected in the rinse. The total particulate mass collected by an M-5 train is the sum of the particulate filter and the acetone probe rinse residue weights.

Method 5: Filter samples UNIT_1-5-29_NG_RUN1_CONT 1 (140-28983-1), UNIT_1-5-29_NG_RUN2_CONT 1 (140-28983-8), UNIT_1-5-29_NG_RUN3_CONT 1 (140-28983-15), UNIT_1-5-29_NG_RUN4_CONT 1 (140-28983-22), UNIT_1-5-29_NG_RUN5_CONT 1 (140-28983-29) and UNIT_1-5-29_NG_RUN6_CONT 1 (140-28983-36) arrived with significant damage (tears/bends) and results may exhibit a low bias.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Client Sample Results

Client: TRC Environmental Corporation
Job ID: 140-28983-1
Project/Site: Georiga Power Mcintosh IRC-Unit 1/NG M5/29

Client Sample ID: UNIT_1-5-29_NG_RUN1_CONT 1
Lab Sample ID: 140-28983-1
Date Collected: 09/14/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulates, Total (EPA 5)	ND		0.500	0.500	mg/sample			10/03/22 17:19	1

Client Sample ID: UNIT_1-5-29_NG_RUN1_CONT 2
Lab Sample ID: 140-28983-2
Date Collected: 09/14/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulates, Total (EPA 5)	**2.66**		0.500	0.500	mg/sample			10/03/22 17:19	1

Client Sample ID: UNIT_1-5-29_NG_RUN1_CONT 1,2,3
Lab Sample ID: 140-28983-3
Date Collected: 09/14/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/6010C - Metals (ICP), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**1.26**	**J**	6.00	1.10	ug/Sample		10/05/22 09:00	10/12/22 14:35	1
Arsenic	ND		2.00	1.78	ug/Sample		10/05/22 09:00	10/13/22 12:16	2
Beryllium	ND		0.500	0.0160	ug/Sample		10/05/22 09:00	10/12/22 14:35	1
Cadmium	ND		0.500	0.280	ug/Sample		10/05/22 09:00	10/12/22 14:35	1
Chromium	**7.15**		1.00	0.190	ug/Sample		10/05/22 09:00	10/12/22 14:35	1
Cobalt	ND		10.0	2.00	ug/Sample		10/05/22 09:00	10/13/22 12:16	2
Lead	ND		2.00	0.940	ug/Sample		10/05/22 09:00	10/13/22 12:16	2
Manganese	**2.11**		1.50	0.120	ug/Sample		10/05/22 09:00	10/12/22 14:35	1
Nickel	**3.89**	**J**	8.00	0.500	ug/Sample		10/05/22 09:00	10/13/22 12:16	2
Selenium	ND		2.00	1.32	ug/Sample		10/05/22 09:00	10/13/22 12:16	2

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.0840	ug/Sample		10/05/22 09:00	10/10/22 15:01	1

Client Sample ID: UNIT_1-5-29_NG_RUN1_CONT 4
Lab Sample ID: 140-28983-4
Date Collected: 09/14/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/6010C - Metals (ICP), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		6.00	0.840	ug/Sample		10/03/22 09:33	10/11/22 15:56	1
Arsenic	ND		1.00	0.180	ug/Sample		10/03/22 09:33	10/11/22 15:56	1
Beryllium	ND		0.500	0.0470	ug/Sample		10/03/22 09:33	10/11/22 15:56	1
Cadmium	**0.0770**	**J**	0.500	0.0180	ug/Sample		10/03/22 09:33	10/11/22 15:56	1
Chromium	**2.26**		1.00	0.180	ug/Sample		10/03/22 09:33	10/11/22 15:56	1
Cobalt	**0.155**	**J**	5.00	0.100	ug/Sample		10/03/22 09:33	10/11/22 15:56	1
Lead	**1.82**		1.00	0.480	ug/Sample		10/03/22 09:33	10/11/22 15:56	1
Manganese	**3.11**		1.50	0.180	ug/Sample		10/03/22 09:33	10/11/22 15:56	1
Nickel	**0.850**	**J**	4.00	0.260	ug/Sample		10/03/22 09:33	10/11/22 15:56	1
Selenium	**8.96**		1.00	0.390	ug/Sample		10/03/22 09:33	10/11/22 15:56	1

Client: TRC Environmental Corporation
Job ID: 140-28983-1
Project/Site: Georiga Power Mcintosh IRC-Unit 1/NG M5/29

Client Sample ID: UNIT_1-5-29_NG_RUN1_CONT 4
Lab Sample ID: 140-28983-4
Date Collected: 09/14/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.222	J	0.400	0.120	ug/Sample		10/05/22 14:00	10/06/22 15:19	1

Client Sample ID: UNIT_1-5-29_NG_RUN1_CONT 5A
Lab Sample ID: 140-28983-5
Date Collected: 09/14/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.400	0.120	ug/Sample		10/04/22 08:00	10/05/22 13:28	1

Client Sample ID: UNIT_1-5-29_NG_RUN1_CONT 5B
Lab Sample ID: 140-28983-6
Date Collected: 09/14/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.180	0.0540	ug/Sample		10/04/22 08:00	10/05/22 15:09	1

Client Sample ID: UNIT_1-5-29_NG_RUN1_CONT 5C
Lab Sample ID: 140-28983-7
Date Collected: 09/14/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.280	0.123	ug/Sample		10/05/22 08:00	10/06/22 12:18	1

Client Sample ID: UNIT_1-5-29_NG_RUN2_CONT 1
Lab Sample ID: 140-28983-8
Date Collected: 09/14/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulates, Total (EPA 5)	21.2		0.500	0.500	mg/sample			10/03/22 17:19	1

Client Sample ID: UNIT_1-5-29_NG_RUN2_CONT 2
Lab Sample ID: 140-28983-9
Date Collected: 09/14/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulates, Total (EPA 5)	14.3		0.500	0.500	mg/sample			10/03/22 17:19	1

Client Sample Results

Client: TRC Environmental Corporation
Job ID: 140-28983-1
Project/Site: Georiga Power Mcintosh IRC-Unit 1/NG M5/29

Client Sample ID: UNIT_1-5-29_NG_RUN2_CONT 1,2,3
Lab Sample ID: 140-28983-10

Date Collected: 09/14/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/6010C - Metals (ICP), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**1.22**	**J**	6.00	1.10	ug/Sample		10/05/22 09:00	10/12/22 14:40	1
Arsenic	ND		2.00	1.78	ug/Sample		10/05/22 09:00	10/13/22 12:21	2
Beryllium	ND		0.500	0.0160	ug/Sample		10/05/22 09:00	10/12/22 14:40	1
Cadmium	ND		0.500	0.280	ug/Sample		10/05/22 09:00	10/12/22 14:40	1
Chromium	**6.04**		1.00	0.190	ug/Sample		10/05/22 09:00	10/12/22 14:40	1
Cobalt	ND		10.0	2.00	ug/Sample		10/05/22 09:00	10/13/22 12:21	2
Lead	ND		2.00	0.940	ug/Sample		10/05/22 09:00	10/13/22 12:21	2
Manganese	**2.15**		1.50	0.120	ug/Sample		10/05/22 09:00	10/12/22 14:40	1
Nickel	**2.32**	**J**	8.00	0.500	ug/Sample		10/05/22 09:00	10/13/22 12:21	2
Selenium	ND		2.00	1.32	ug/Sample		10/05/22 09:00	10/13/22 12:21	2

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.0840	ug/Sample		10/05/22 09:00	10/10/22 15:08	1

Client Sample ID: UNIT_1-5-29_NG_RUN2_CONT 4
Lab Sample ID: 140-28983-11

Date Collected: 09/14/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/6010C - Metals (ICP), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		6.00	0.840	ug/Sample		10/03/22 09:33	10/11/22 16:01	1
Arsenic	ND		1.00	0.180	ug/Sample		10/03/22 09:33	10/11/22 16:01	1
Beryllium	ND		0.500	0.0470	ug/Sample		10/03/22 09:33	10/11/22 16:01	1
Cadmium	**0.0970**	**J**	0.500	0.0180	ug/Sample		10/03/22 09:33	10/11/22 16:01	1
Chromium	**1.54**		1.00	0.180	ug/Sample		10/03/22 09:33	10/11/22 16:01	1
Cobalt	ND		5.00	0.100	ug/Sample		10/03/22 09:33	10/11/22 16:01	1
Lead	**0.997**	**J**	1.00	0.480	ug/Sample		10/03/22 09:33	10/11/22 16:01	1
Manganese	**1.97**		1.50	0.180	ug/Sample		10/03/22 09:33	10/11/22 16:01	1
Nickel	**2.17**	**J**	4.00	0.260	ug/Sample		10/03/22 09:33	10/11/22 16:01	1
Selenium	**2.20**		1.00	0.390	ug/Sample		10/03/22 09:33	10/11/22 16:01	1

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.138**	**J**	0.400	0.120	ug/Sample		10/05/22 14:00	10/06/22 15:21	1

Client Sample ID: UNIT_1-5-29_NG_RUN2_CONT 5A
Lab Sample ID: 140-28983-12

Date Collected: 09/14/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.400	0.120	ug/Sample		10/04/22 08:00	10/05/22 13:30	1

Client: TRC Environmental Corporation
Job ID: 140-28983-1
Project/Site: Georiga Power Mcintosh IRC-Unit 1/NG M5/29

Client Sample ID: UNIT_1-5-29_NG_RUN2_CONT 5C
Lab Sample ID: 140-28983-14
Date Collected: 09/14/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.225	0.0990	ug/Sample		10/05/22 08:00	10/06/22 12:20	1

Client Sample ID: UNIT_1-5-29_NG_RUN3_CONT 1
Lab Sample ID: 140-28983-15
Date Collected: 09/15/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulates, Total (EPA 5)	ND		0.500	0.500	mg/sample			10/03/22 17:19	1

Client Sample ID: UNIT_1-5-29_NG_RUN3_CONT 2
Lab Sample ID: 140-28983-16
Date Collected: 09/15/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulates, Total (EPA 5)	**3.11**		0.500	0.500	mg/sample			10/03/22 17:19	1

Client Sample ID: UNIT_1-5-29_NG_RUN3_CONT 1,2,3
Lab Sample ID: 140-28983-17
Date Collected: 09/15/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/6010C - Metals (ICP), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**1.31**	**J**	6.00	1.10	ug/Sample		10/05/22 09:00	10/12/22 14:46	1
Arsenic	ND		2.00	1.78	ug/Sample		10/05/22 09:00	10/13/22 12:26	2
Beryllium	ND		0.500	0.0160	ug/Sample		10/05/22 09:00	10/12/22 14:46	1
Cadmium	ND		0.500	0.280	ug/Sample		10/05/22 09:00	10/12/22 14:46	1
Chromium	**6.23**		1.00	0.190	ug/Sample		10/05/22 09:00	10/12/22 14:46	1
Cobalt	ND		10.0	2.00	ug/Sample		10/05/22 09:00	10/13/22 12:26	2
Lead	ND		2.00	0.940	ug/Sample		10/05/22 09:00	10/13/22 12:26	2
Manganese	**1.32**	**J**	1.50	0.120	ug/Sample		10/05/22 09:00	10/12/22 14:46	1
Nickel	**2.25**	**J**	8.00	0.500	ug/Sample		10/05/22 09:00	10/13/22 12:26	2
Selenium	ND		2.00	1.32	ug/Sample		10/05/22 09:00	10/13/22 12:26	2

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.0840	ug/Sample		10/05/22 09:00	10/10/22 15:11	1

Client Sample ID: UNIT_1-5-29_NG_RUN3_CONT 4
Lab Sample ID: 140-28983-18
Date Collected: 09/15/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/6010C - Metals (ICP), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		6.00	0.840	ug/Sample		10/03/22 09:33	10/11/22 16:06	1
Arsenic	ND		1.00	0.180	ug/Sample		10/03/22 09:33	10/11/22 16:06	1

Client Sample ID: UNIT_1-5-29_NG_RUN3_CONT 4
Lab Sample ID: 140-28983-18

Date Collected: 09/15/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/6010C - Metals (ICP), Stationary Source (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	ND		0.500	0.0470	ug/Sample		10/03/22 09:33	10/11/22 16:06	1
Cadmium	**0.0470**	**J**	0.500	0.0180	ug/Sample		10/03/22 09:33	10/11/22 16:06	1
Chromium	**1.27**		1.00	0.180	ug/Sample		10/03/22 09:33	10/11/22 16:06	1
Cobalt	ND		5.00	0.100	ug/Sample		10/03/22 09:33	10/11/22 16:06	1
Lead	ND		1.00	0.480	ug/Sample		10/03/22 09:33	10/11/22 16:06	1
Manganese	**7.07**		1.50	0.180	ug/Sample		10/03/22 09:33	10/11/22 16:06	1
Nickel	**0.569**	**J**	4.00	0.260	ug/Sample		10/03/22 09:33	10/11/22 16:06	1
Selenium	**1.45**		1.00	0.390	ug/Sample		10/03/22 09:33	10/11/22 16:06	1

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.400	0.120	ug/Sample		10/05/22 14:00	10/06/22 15:24	1

Client Sample ID: UNIT_1-5-29_NG_RUN3_CONT 5A
Lab Sample ID: 140-28983-19

Date Collected: 09/15/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.400	0.120	ug/Sample		10/04/22 08:00	10/05/22 13:33	1

Client Sample ID: UNIT_1-5-29_NG_RUN3_CONT 5B
Lab Sample ID: 140-28983-20

Date Collected: 09/15/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.172	0.0516	ug/Sample		10/04/22 08:00	10/05/22 15:12	1

Client Sample ID: UNIT_1-5-29_NG_RUN3_CONT 5C
Lab Sample ID: 140-28983-21

Date Collected: 09/15/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.285	0.125	ug/Sample		10/05/22 08:00	10/06/22 12:23	1

Client Sample ID: UNIT_1-5-29_NG_RUN4_CONT 1
Lab Sample ID: 140-28983-22

Date Collected: 09/15/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulates, Total (EPA 5)	ND		0.500	0.500	mg/sample			10/03/22 17:19	1

Client: TRC Environmental Corporation
Job ID: 140-28983-1
Project/Site: Georiga Power Mcintosh IRC-Unit 1/NG M5/29

Client Sample ID: UNIT_1-5-29_NG_RUN4_CONT 2
Lab Sample ID: 140-28983-23
Date Collected: 09/15/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulates, Total (EPA 5)	2.18		0.500	0.500	mg/sample			10/03/22 17:19	1

Client Sample ID: UNIT_1-5-29_NG_RUN4_CONT 1,2,3
Lab Sample ID: 140-28983-24
Date Collected: 09/15/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/6010C - Metals (ICP), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1.42	J	6.00	1.10	ug/Sample		10/05/22 09:00	10/12/22 15:01	1
Arsenic	ND		2.00	1.78	ug/Sample		10/05/22 09:00	10/13/22 13:17	2
Beryllium	ND		0.500	0.0160	ug/Sample		10/05/22 09:00	10/12/22 15:01	1
Cadmium	ND		0.500	0.280	ug/Sample		10/05/22 09:00	10/12/22 15:01	1
Chromium	5.44		1.00	0.190	ug/Sample		10/05/22 09:00	10/12/22 15:01	1
Cobalt	ND		10.0	2.00	ug/Sample		10/05/22 09:00	10/13/22 13:17	2
Lead	ND		2.00	0.940	ug/Sample		10/05/22 09:00	10/13/22 13:17	2
Manganese	2.49		1.50	0.120	ug/Sample		10/05/22 09:00	10/12/22 15:01	1
Nickel	1.45	J	8.00	0.500	ug/Sample		10/05/22 09:00	10/13/22 13:17	2
Selenium	ND		2.00	1.32	ug/Sample		10/05/22 09:00	10/13/22 13:17	2

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.0840	ug/Sample		10/05/22 09:00	10/10/22 15:18	1

Client Sample ID: UNIT_1-5-29_NG_RUN4_CONT 4
Lab Sample ID: 140-28983-25
Date Collected: 09/15/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/6010C - Metals (ICP), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		6.00	0.840	ug/Sample		10/03/22 09:33	10/11/22 16:21	1
Arsenic	ND		1.00	0.180	ug/Sample		10/03/22 09:33	10/11/22 16:21	1
Beryllium	ND		0.500	0.0470	ug/Sample		10/03/22 09:33	10/11/22 16:21	1
Cadmium	ND		0.500	0.0180	ug/Sample		10/03/22 09:33	10/11/22 16:21	1
Chromium	0.941	J	1.00	0.180	ug/Sample		10/03/22 09:33	10/11/22 16:21	1
Cobalt	ND		5.00	0.100	ug/Sample		10/03/22 09:33	10/11/22 16:21	1
Lead	ND		1.00	0.480	ug/Sample		10/03/22 09:33	10/11/22 16:21	1
Manganese	5.66		1.50	0.180	ug/Sample		10/03/22 09:33	10/11/22 16:21	1
Nickel	0.604	J	4.00	0.260	ug/Sample		10/03/22 09:33	10/11/22 16:21	1
Selenium	0.687	J	1.00	0.390	ug/Sample		10/03/22 09:33	10/11/22 16:21	1

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.400	0.120	ug/Sample		10/05/22 14:00	10/06/22 15:36	1

Client: TRC Environmental Corporation
Job ID: 140-28983-1
Project/Site: Georiga Power Mcintosh IRC-Unit 1/NG M5/29

Client Sample ID: UNIT_1-5-29_NG_RUN4_CONT 5A
Lab Sample ID: 140-28983-26
Date Collected: 09/15/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.400	0.120	ug/Sample		10/04/22 08:00	10/05/22 13:40	1

Client Sample ID: UNIT_1-5-29_NG_RUN4_CONT 5B
Lab Sample ID: 140-28983-27
Date Collected: 09/15/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.160	0.0480	ug/Sample		10/04/22 08:00	10/05/22 15:25	1

Client Sample ID: UNIT_1-5-29_NG_RUN4_CONT 5C
Lab Sample ID: 140-28983-28
Date Collected: 09/15/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.295	0.130	ug/Sample		10/05/22 08:00	10/06/22 12:30	1

Client Sample ID: UNIT_1-5-29_NG_RUN5_CONT 1
Lab Sample ID: 140-28983-29
Date Collected: 09/15/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulates, Total (EPA 5)	ND		0.500	0.500	mg/sample			10/03/22 17:19	1

Client Sample ID: UNIT_1-5-29_NG_RUN5_CONT 2
Lab Sample ID: 140-28983-30
Date Collected: 09/15/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulates, Total (EPA 5)	**1.25**		0.500	0.500	mg/sample			10/03/22 17:19	1

Client Sample ID: UNIT_1-5-29_NG_RUN5_CONT 1,2,3
Lab Sample ID: 140-28983-31
Date Collected: 09/15/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/6010C - Metals (ICP), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**1.20**	**J**	6.00	1.10	ug/Sample		10/05/22 09:00	10/12/22 15:20	1
Arsenic	ND		2.00	1.78	ug/Sample		10/05/22 09:00	10/13/22 13:37	2
Beryllium	ND		0.500	0.0160	ug/Sample		10/05/22 09:00	10/12/22 15:20	1
Cadmium	ND		0.500	0.280	ug/Sample		10/05/22 09:00	10/12/22 15:20	1
Chromium	**7.26**		1.00	0.190	ug/Sample		10/05/22 09:00	10/12/22 15:20	1
Cobalt	ND		10.0	2.00	ug/Sample		10/05/22 09:00	10/13/22 13:37	2

Client: TRC Environmental Corporation
Job ID: 140-28983-1
Project/Site: Georiga Power Mcintosh IRC-Unit 1/NG M5/29

Client Sample ID: UNIT_1-5-29_NG_RUN5_CONT 1,2,3
Lab Sample ID: 140-28983-31
Date Collected: 09/15/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/6010C - Metals (ICP), Stationary Source (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.00	0.940	ug/Sample		10/05/22 09:00	10/13/22 13:37	2
Manganese	**0.992**	**J**	1.50	0.120	ug/Sample		10/05/22 09:00	10/12/22 15:20	1
Nickel	**1.59**	**J**	8.00	0.500	ug/Sample		10/05/22 09:00	10/13/22 13:37	2
Selenium	ND		2.00	1.32	ug/Sample		10/05/22 09:00	10/13/22 13:37	2

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.0840	ug/Sample		10/05/22 09:00	10/10/22 15:21	1

Client Sample ID: UNIT_1-5-29_NG_RUN5_CONT 4
Lab Sample ID: 140-28983-32
Date Collected: 09/15/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/6010C - Metals (ICP), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		6.00	0.840	ug/Sample		10/03/22 09:33	10/11/22 16:40	1
Arsenic	ND		1.00	0.180	ug/Sample		10/03/22 09:33	10/11/22 16:40	1
Beryllium	ND		0.500	0.0470	ug/Sample		10/03/22 09:33	10/11/22 16:40	1
Cadmium	**0.0430**	**J**	0.500	0.0180	ug/Sample		10/03/22 09:33	10/11/22 16:40	1
Chromium	**0.911**	**J**	1.00	0.180	ug/Sample		10/03/22 09:33	10/11/22 16:40	1
Cobalt	ND		5.00	0.100	ug/Sample		10/03/22 09:33	10/11/22 16:40	1
Lead	ND		1.00	0.480	ug/Sample		10/03/22 09:33	10/11/22 16:40	1
Manganese	**1.61**		1.50	0.180	ug/Sample		10/03/22 09:33	10/11/22 16:40	1
Nickel	**0.277**	**J**	4.00	0.260	ug/Sample		10/03/22 09:33	10/11/22 16:40	1
Selenium	**1.27**		1.00	0.390	ug/Sample		10/03/22 09:33	10/11/22 16:40	1

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.400	0.120	ug/Sample		10/05/22 14:00	10/06/22 15:39	1

Client Sample ID: UNIT_1-5-29_NG_RUN5_CONT 5A
Lab Sample ID: 140-28983-33
Date Collected: 09/15/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.400	0.120	ug/Sample		10/04/22 08:00	10/05/22 13:43	1

Client Sample ID: UNIT_1-5-29_NG_RUN5_CONT 5B
Lab Sample ID: 140-28983-34
Date Collected: 09/15/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.166	0.0498	ug/Sample		10/04/22 08:00	10/05/22 15:27	1

Client: TRC Environmental Corporation
Job ID: 140-28983-1
Project/Site: Georiga Power Mcintosh IRC-Unit 1/NG M5/29

Client Sample ID: UNIT_1-5-29_NG_RUN5_CONT 5C
Lab Sample ID: 140-28983-35
Date Collected: 09/15/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.255	0.112	ug/Sample		10/05/22 08:00	10/06/22 12:33	1

Client Sample ID: UNIT_1-5-29_NG_RUN6_CONT 1
Lab Sample ID: 140-28983-36
Date Collected: 09/16/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulates, Total (EPA 5)	ND		0.500	0.500	mg/sample			10/03/22 17:19	1

Client Sample ID: UNIT_1-5-29_NG_RUN6_CONT 2
Lab Sample ID: 140-28983-37
Date Collected: 09/16/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulates, Total (EPA 5)	**3.43**		0.500	0.500	mg/sample			10/03/22 17:19	1

Client Sample ID: UNIT_1-5-29_NG_RUN6_CONT 1,2,3
Lab Sample ID: 140-28983-38
Date Collected: 09/16/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/6010C - Metals (ICP), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**1.32**	**J**	6.00	1.10	ug/Sample		10/05/22 09:00	10/12/22 15:26	1
Arsenic	ND		2.00	1.78	ug/Sample		10/05/22 09:00	10/13/22 13:42	2
Beryllium	ND		0.500	0.0160	ug/Sample		10/05/22 09:00	10/12/22 15:26	1
Cadmium	ND		0.500	0.280	ug/Sample		10/05/22 09:00	10/12/22 15:26	1
Chromium	**4.91**		1.00	0.190	ug/Sample		10/05/22 09:00	10/12/22 15:26	1
Cobalt	ND		10.0	2.00	ug/Sample		10/05/22 09:00	10/13/22 13:42	2
Lead	ND		2.00	0.940	ug/Sample		10/05/22 09:00	10/13/22 13:42	2
Manganese	**1.61**		1.50	0.120	ug/Sample		10/05/22 09:00	10/12/22 15:26	1
Nickel	**2.04**	**J**	8.00	0.500	ug/Sample		10/05/22 09:00	10/13/22 13:42	2
Selenium	ND		2.00	1.32	ug/Sample		10/05/22 09:00	10/13/22 13:42	2

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.0840	ug/Sample		10/05/22 09:00	10/10/22 15:24	1

Client Sample ID: UNIT_1-5-29_NG_RUN6_CONT 4
Lab Sample ID: 140-28983-39
Date Collected: 09/16/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/6010C - Metals (ICP), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		6.00	0.840	ug/Sample		10/03/22 09:33	10/11/22 16:45	1
Arsenic	ND		1.00	0.180	ug/Sample		10/03/22 09:33	10/11/22 16:45	1

Client: TRC Environmental Corporation
Job ID: 140-28983-1
Project/Site: Georiga Power Mcintosh IRC-Unit 1/NG M5/29

Client Sample ID: UNIT_1-5-29_NG_RUN6_CONT 4
Lab Sample ID: 140-28983-39
Date Collected: 09/16/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/6010C - Metals (ICP), Stationary Source (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	ND		0.500	0.0470	ug/Sample		10/03/22 09:33	10/11/22 16:45	1
Cadmium	**0.158**	**J**	0.500	0.0180	ug/Sample		10/03/22 09:33	10/11/22 16:45	1
Chromium	**1.34**		1.00	0.180	ug/Sample		10/03/22 09:33	10/11/22 16:45	1
Cobalt	ND		5.00	0.100	ug/Sample		10/03/22 09:33	10/11/22 16:45	1
Lead	**0.711**	**J**	1.00	0.480	ug/Sample		10/03/22 09:33	10/11/22 16:45	1
Manganese	**2.12**		1.50	0.180	ug/Sample		10/03/22 09:33	10/11/22 16:45	1
Nickel	**0.849**	**J**	4.00	0.260	ug/Sample		10/03/22 09:33	10/11/22 16:45	1
Selenium	**0.471**	**J**	1.00	0.390	ug/Sample		10/03/22 09:33	10/11/22 16:45	1

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.400	0.120	ug/Sample		10/05/22 14:00	10/06/22 15:42	1

Client Sample ID: UNIT_1-5-29_NG_RUN6_CONT 5A
Lab Sample ID: 140-28983-40
Date Collected: 09/16/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.400	0.120	ug/Sample		10/04/22 08:00	10/05/22 13:45	1

Client Sample ID: UNIT_1-5-29_NG_RUN6_CONT 5B
Lab Sample ID: 140-28983-41
Date Collected: 09/16/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.166	0.0498	ug/Sample		10/04/22 08:00	10/05/22 15:30	1

Client Sample ID: UNIT_1-5-29_NG_RUN6_CONT 5C
Lab Sample ID: 140-28983-42
Date Collected: 09/16/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.275	0.121	ug/Sample		10/05/22 08:00	10/06/22 12:35	1

Client Sample ID: UNIT_1-5-29_NG_RUN7_CONT 1
Lab Sample ID: 140-28983-43
Date Collected: 09/16/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulates, Total (EPA 5)	**0.785**		0.500	0.500	mg/sample			10/03/22 17:19	1

Client: TRC Environmental Corporation
Job ID: 140-28983-1
Project/Site: Georiga Power Mcintosh IRC-Unit 1/NG M5/29

Client Sample ID: UNIT_1-5-29_NG_RUN7_CONT 2
Lab Sample ID: 140-28983-44
Date Collected: 09/16/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulates, Total (EPA 5)	2.19		0.500	0.500	mg/sample			10/03/22 17:19	1

Client Sample ID: UNIT_1-5-29_NG_RUN7_CONT 1,2,3
Lab Sample ID: 140-28983-45
Date Collected: 09/16/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/6010C - Metals (ICP), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1.93	J	6.00	1.10	ug/Sample		10/05/22 09:00	10/12/22 15:31	1
Arsenic	ND		2.00	1.78	ug/Sample		10/05/22 09:00	10/13/22 13:47	2
Beryllium	ND		0.500	0.0160	ug/Sample		10/05/22 09:00	10/12/22 15:31	1
Cadmium	ND		0.500	0.280	ug/Sample		10/05/22 09:00	10/12/22 15:31	1
Chromium	6.15		1.00	0.190	ug/Sample		10/05/22 09:00	10/12/22 15:31	1
Cobalt	ND		10.0	2.00	ug/Sample		10/05/22 09:00	10/13/22 13:47	2
Lead	2.14		2.00	0.940	ug/Sample		10/05/22 09:00	10/13/22 13:47	2
Manganese	1.57		1.50	0.120	ug/Sample		10/05/22 09:00	10/12/22 15:31	1
Nickel	1.14	J	8.00	0.500	ug/Sample		10/05/22 09:00	10/13/22 13:47	2
Selenium	ND		2.00	1.32	ug/Sample		10/05/22 09:00	10/13/22 13:47	2

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.0840	ug/Sample		10/05/22 09:00	10/10/22 15:26	1

Client Sample ID: UNIT_1-5-29_NG_RUN7_CONT 4
Lab Sample ID: 140-28983-46
Date Collected: 09/16/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/6010C - Metals (ICP), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		6.00	0.840	ug/Sample		10/03/22 09:33	10/11/22 16:50	1
Arsenic	ND		1.00	0.180	ug/Sample		10/03/22 09:33	10/11/22 16:50	1
Beryllium	ND		0.500	0.0470	ug/Sample		10/03/22 09:33	10/11/22 16:50	1
Cadmium	0.561		0.500	0.0180	ug/Sample		10/03/22 09:33	10/11/22 16:50	1
Chromium	0.850	J	1.00	0.180	ug/Sample		10/03/22 09:33	10/11/22 16:50	1
Cobalt	0.112	J	5.00	0.100	ug/Sample		10/03/22 09:33	10/11/22 16:50	1
Lead	0.908	J	1.00	0.480	ug/Sample		10/03/22 09:33	10/11/22 16:50	1
Manganese	135		1.50	0.180	ug/Sample		10/03/22 09:33	10/11/22 16:50	1
Nickel	0.535	J	4.00	0.260	ug/Sample		10/03/22 09:33	10/11/22 16:50	1
Selenium	1.07		1.00	0.390	ug/Sample		10/03/22 09:33	10/11/22 16:50	1

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.400	0.120	ug/Sample		10/05/22 14:00	10/06/22 15:44	1

Client Sample Results

Client: TRC Environmental Corporation
Job ID: 140-28983-1
Project/Site: Georiga Power Mcintosh IRC-Unit 1/NG M5/29

Client Sample ID: UNIT_1-5-29_NG_RUN7_CONT 5A
Lab Sample ID: 140-28983-47

Date Collected: 09/16/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.400	0.120	ug/Sample		10/04/22 08:00	10/05/22 13:53	1

Client Sample ID: UNIT_1-5-29_NG_RUN7_CONT 5B
Lab Sample ID: 140-28983-48

Date Collected: 09/16/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.166	0.0498	ug/Sample		10/04/22 08:00	10/05/22 15:32	1

Client Sample ID: UNIT_1-5-29_NG_RUN7_CONT 5C
Lab Sample ID: 140-28983-49

Date Collected: 09/16/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.280	0.123	ug/Sample		10/05/22 08:00	10/06/22 12:43	1

Default Detection Limits

Client: TRC Environmental Corporation
Job ID: 140-28983-1
Project/Site: Georiga Power Mcintosh IRC-Unit 1/NG M5/29

Method: 29/6010C - Metals (ICP), Stationary Source
Prep: AT Prep (BH)

Analyte	RL	MDL	Units
Antimony	6.00	0.840	ug/Sample
Arsenic	1.00	0.180	ug/Sample
Beryllium	0.500	0.0470	ug/Sample
Cadmium	0.500	0.0180	ug/Sample
Chromium	1.00	0.180	ug/Sample
Cobalt	5.00	0.100	ug/Sample
Lead	1.00	0.480	ug/Sample
Manganese	1.50	0.180	ug/Sample
Nickel	4.00	0.260	ug/Sample
Selenium	1.00	0.390	ug/Sample

Method: 29/6010C - Metals (ICP), Stationary Source
Prep: AT Prep (FH)

Analyte	RL	MDL	Units
Antimony	6.00	1.10	ug/Sample
Arsenic	1.00	0.890	ug/Sample
Beryllium	0.500	0.0160	ug/Sample
Cadmium	0.500	0.280	ug/Sample
Chromium	1.00	0.190	ug/Sample
Cobalt	5.00	1.00	ug/Sample
Lead	1.00	0.470	ug/Sample
Manganese	1.50	0.120	ug/Sample
Nickel	4.00	0.250	ug/Sample
Selenium	1.00	0.660	ug/Sample

Method: 29/7470A - Mercury (CVAA), Stationary Source
Prep: AT Prep (BH)

Analyte	RL	MDL	Units
Mercury	0.400	0.120	ug/Sample

Method: 29/7470A - Mercury (CVAA), Stationary Source
Prep: AT Prep (Empty)

Analyte	RL	MDL	Units
Mercury	0.200	0.0600	ug/Sample

Method: 29/7470A - Mercury (CVAA), Stationary Source
Prep: AT Prep (FH)

Analyte	RL	MDL	Units
Mercury	0.200	0.0840	ug/Sample

Method: 29/7470A - Mercury (CVAA), Stationary Source
Prep: AT Prep (HCl)

Analyte	RL	MDL	Units
Mercury	0.0500	0.0220	ug/Sample

Method: 29/7470A - Mercury (CVAA), Stationary Source
Prep: AT Prep (KMnO4)

Analyte	RL	MDL	Units
Mercury	0.0200	0.00600	ug/Sample

Default Detection Limits

Client: TRC Environmental Corporation
Job ID: 140-28983-1
Project/Site: Georiga Power Mcintosh IRC-Unit 1/NG M5/29

General Chemistry

Analyte	RL	MDL	Units
Particulates, Total	0.500	0.500	mg/sample

Client: TRC Environmental Corporation
Job ID: 140-28983-1
Project/Site: Georiga Power Mcintosh IRC-Unit 1/NG M5/29

Method: 29/6010C - Metals (ICP), Stationary Source

Lab Sample ID: MB 140-65920/1-A
Matrix: Air
Analysis Batch: 66250

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 65920

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		6.00	0.840	ug/Sample		10/03/22 09:33	10/11/22 14:06	1
Arsenic	ND		1.00	0.180	ug/Sample		10/03/22 09:33	10/11/22 14:06	1
Beryllium	ND		0.500	0.0470	ug/Sample		10/03/22 09:33	10/11/22 14:06	1
Cadmium	ND		0.500	0.0180	ug/Sample		10/03/22 09:33	10/11/22 14:06	1
Chromium	ND		1.00	0.180	ug/Sample		10/03/22 09:33	10/11/22 14:06	1
Cobalt	ND		5.00	0.100	ug/Sample		10/03/22 09:33	10/11/22 14:06	1
Lead	ND		1.00	0.480	ug/Sample		10/03/22 09:33	10/11/22 14:06	1
Manganese	ND		1.50	0.180	ug/Sample		10/03/22 09:33	10/11/22 14:06	1
Nickel	ND		4.00	0.260	ug/Sample		10/03/22 09:33	10/11/22 14:06	1
Selenium	ND		1.00	0.390	ug/Sample		10/03/22 09:33	10/11/22 14:06	1

Lab Sample ID: LCS 140-65920/2-A
Matrix: Air
Analysis Batch: 66250

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 65920

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	50.0	48.27		ug/Sample		97	80 - 120
Arsenic	10.0	9.749		ug/Sample		97	80 - 120
Beryllium	5.00	5.311		ug/Sample		106	80 - 120
Cadmium	5.00	4.990		ug/Sample		100	80 - 120
Chromium	20.0	20.58		ug/Sample		103	80 - 120
Cobalt	10.0	10.03		ug/Sample		100	80 - 120
Lead	10.0	9.839		ug/Sample		98	80 - 120
Manganese	10.0	9.946		ug/Sample		99	80 - 120
Nickel	50.0	50.87		ug/Sample		102	80 - 120
Selenium	15.0	13.89		ug/Sample		93	80 - 120

Lab Sample ID: LCSD 140-65920/3-A
Matrix: Air
Analysis Batch: 66250

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 65920

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	50.0	49.22		ug/Sample		98	80 - 120	2	20
Arsenic	10.0	9.877		ug/Sample		99	80 - 120	1	20
Beryllium	5.00	5.306		ug/Sample		106	80 - 120	0	20
Cadmium	5.00	5.032		ug/Sample		101	80 - 120	1	20
Chromium	20.0	20.56		ug/Sample		103	80 - 120	0	20
Cobalt	10.0	10.15		ug/Sample		102	80 - 120	1	20
Lead	10.0	9.856		ug/Sample		99	80 - 120	0	20
Manganese	10.0	9.933		ug/Sample		99	80 - 120	0	20
Nickel	50.0	51.47		ug/Sample		103	80 - 120	1	20
Selenium	15.0	14.31		ug/Sample		95	80 - 120	3	20

Lab Sample ID: MB 140-66005/1-A
Matrix: Air
Analysis Batch: 66288

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 66005

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		6.00	1.10	ug/Sample		10/05/22 09:00	10/12/22 12:16	1

Method: 29/6010C - Metals (ICP), Stationary Source (Continued)

Lab Sample ID: MB 140-66005/1-A
Matrix: Air
Analysis Batch: 66288

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 66005

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.00	0.890	ug/Sample		10/05/22 09:00	10/12/22 12:16	1
Beryllium	ND		0.500	0.0160	ug/Sample		10/05/22 09:00	10/12/22 12:16	1
Cadmium	ND		0.500	0.280	ug/Sample		10/05/22 09:00	10/12/22 12:16	1
Chromium	ND		1.00	0.190	ug/Sample		10/05/22 09:00	10/12/22 12:16	1
Cobalt	ND		5.00	1.00	ug/Sample		10/05/22 09:00	10/12/22 12:16	1
Lead	ND		1.00	0.470	ug/Sample		10/05/22 09:00	10/12/22 12:16	1
Manganese	ND		1.50	0.120	ug/Sample		10/05/22 09:00	10/12/22 12:16	1
Nickel	ND		4.00	0.250	ug/Sample		10/05/22 09:00	10/12/22 12:16	1
Selenium	ND		1.00	0.660	ug/Sample		10/05/22 09:00	10/12/22 12:16	1

Lab Sample ID: LCS 140-66005/2-A
Matrix: Air
Analysis Batch: 66288

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 66005

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	50.0	51.58		ug/Sample		103	80 - 120
Arsenic	10.0	10.62		ug/Sample		106	80 - 120
Beryllium	5.00	5.221		ug/Sample		104	80 - 120
Cadmium	5.00	5.161		ug/Sample		103	80 - 120
Chromium	20.0	21.17		ug/Sample		106	80 - 120
Cobalt	10.0	10.41		ug/Sample		104	80 - 120
Lead	10.0	10.59		ug/Sample		106	80 - 120
Manganese	10.0	10.21		ug/Sample		102	80 - 120
Nickel	50.0	53.11		ug/Sample		106	80 - 120
Selenium	15.0	14.54		ug/Sample		97	80 - 120

Lab Sample ID: LCSD 140-66005/3-A
Matrix: Air
Analysis Batch: 66288

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 66005

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	50.0	51.10		ug/Sample		102	80 - 120	1	20
Arsenic	10.0	10.68		ug/Sample		107	80 - 120	1	20
Beryllium	5.00	5.197		ug/Sample		104	80 - 120	0	20
Cadmium	5.00	5.144		ug/Sample		103	80 - 120	0	20
Chromium	20.0	21.01		ug/Sample		105	80 - 120	1	20
Cobalt	10.0	10.41		ug/Sample		104	80 - 120	0	20
Lead	10.0	10.08		ug/Sample		101	80 - 120	5	20
Manganese	10.0	10.18		ug/Sample		102	80 - 120	0	20
Nickel	50.0	52.87		ug/Sample		106	80 - 120	0	20
Selenium	15.0	14.27		ug/Sample		95	80 - 120	2	20

Method: 29/7470A - Mercury (CVAA), Stationary Source

Lab Sample ID: MB 140-65866/1-B
Matrix: Air
Analysis Batch: 66043

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 65934

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.0600	ug/Sample		10/04/22 08:00	10/05/22 13:22	1

Method: 29/7470A - Mercury (CVAA), Stationary Source

Lab Sample ID: LCS 140-65866/2-B
Matrix: Air
Analysis Batch: 66043

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 65934

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			5.00	4.951		ug/Sample		99	80 - 120		

Lab Sample ID: 140-28983-19 MS
Matrix: Air
Analysis Batch: 66043

Client Sample ID: UNIT_1-5-29_NG_RUN3_CONT 5A
Prep Type: Total/NA
Prep Batch: 65934

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	ND		2.00	2.259		ug/Sample		113	80 - 120		

Lab Sample ID: 140-28983-19 MSD
Matrix: Air
Analysis Batch: 66043

Client Sample ID: UNIT_1-5-29_NG_RUN3_CONT 5A
Prep Type: Total/NA
Prep Batch: 65934

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		2.00	2.023		ug/Sample		101	80 - 120	11	20

Lab Sample ID: MB 140-65870/1-B
Matrix: Air
Analysis Batch: 66043

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 65935

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0200	0.00600	ug/Sample		10/04/22 08:00	10/05/22 15:04	1

Lab Sample ID: LCS 140-65870/2-B
Matrix: Air
Analysis Batch: 66043

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 65935

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.500	0.4922		ug/Sample		98	80 - 120		

Lab Sample ID: 140-28983-20 MS
Matrix: Air
Analysis Batch: 66043

Client Sample ID: UNIT_1-5-29_NG_RUN3_CONT 5B
Prep Type: Total/NA
Prep Batch: 65935

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	ND		0.860	0.8824		ug/Sample		103	80 - 120		

Lab Sample ID: 140-28983-20 MSD
Matrix: Air
Analysis Batch: 66043

Client Sample ID: UNIT_1-5-29_NG_RUN3_CONT 5B
Prep Type: Total/NA
Prep Batch: 65935

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		0.860	0.8743		ug/Sample		102	80 - 120	1	20

Lab Sample ID: MB 140-65872/1-B
Matrix: Air
Analysis Batch: 66078

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 65990

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0500	0.0220	ug/Sample		10/05/22 08:00	10/06/22 12:12	1

Method: 29/7470A - Mercury (CVAA), Stationary Source

Lab Sample ID: LCS 140-65872/2-B
Matrix: Air
Analysis Batch: 66078

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 65990

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			1.25	1.315		ug/Sample		105	80 - 120		

Lab Sample ID: 140-28983-21 MS
Matrix: Air
Analysis Batch: 66078

Client Sample ID: UNIT_1-5-29_NG_RUN3_CONT 5C
Prep Type: Total/NA
Prep Batch: 65990

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	ND		1.43	1.458		ug/Sample		102	80 - 120		

Lab Sample ID: 140-28983-21 MSD
Matrix: Air
Analysis Batch: 66078

Client Sample ID: UNIT_1-5-29_NG_RUN3_CONT 5C
Prep Type: Total/NA
Prep Batch: 65990

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		1.43	1.507		ug/Sample		106	80 - 120	3	20

Lab Sample ID: MB 140-66005/1-B
Matrix: Air
Analysis Batch: 66184

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 66005

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.0840	ug/Sample		10/05/22 09:00	10/10/22 14:12	1

Lab Sample ID: LCS 140-66005/2-B
Matrix: Air
Analysis Batch: 66184

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 66005

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			5.00	5.605		ug/Sample		112	80 - 120		

Lab Sample ID: LCSD 140-66005/3-B
Matrix: Air
Analysis Batch: 66184

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 66005

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury			5.00	5.597		ug/Sample		112	80 - 120	0	20

Lab Sample ID: MB 140-65994/1-C
Matrix: Air
Analysis Batch: 66078

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 66027

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.400	0.120	ug/Sample		10/05/22 14:00	10/06/22 14:53	1

Lab Sample ID: LCS 140-65994/2-C
Matrix: Air
Analysis Batch: 66078

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 66027

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			10.0	10.27		ug/Sample		103	80 - 120		

QC Sample Results

Client: TRC Environmental Corporation
Project/Site: Georiga Power Mcintosh IRC-Unit 1/NG M5/29

Job ID: 140-28983-1

Method: 29/7470A - Mercury (CVAA), Stationary Source

Lab Sample ID: 140-28983-18 MS
Matrix: Air
Analysis Batch: 66078

Client Sample ID: UNIT_1-5-29_NG_RUN3_CONT 4
Prep Type: Total/NA
Prep Batch: 66027

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	ND		2.00	2.041		ug/Sample		102	80 - 120

Lab Sample ID: 140-28983-18 MSD
Matrix: Air
Analysis Batch: 66078

Client Sample ID: UNIT_1-5-29_NG_RUN3_CONT 4
Prep Type: Total/NA
Prep Batch: 66027

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		2.00	2.156		ug/Sample		108	80 - 120	5	20

QC Association Summary

Client: TRC Environmental Corporation
Project/Site: Georiga Power Mcintosh IRC-Unit 1/NG M5/29

Job ID: 140-28983-1

Metals

Pre Prep Batch: 65866

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-28983-5	UNIT_1-5-29_NG_RUN1_CONT 5A	Total/NA	Air	Air Train Vol.	
140-28983-12	UNIT_1-5-29_NG_RUN2_CONT 5A	Total/NA	Air	Air Train Vol.	
140-28983-19	UNIT_1-5-29_NG_RUN3_CONT 5A	Total/NA	Air	Air Train Vol.	
140-28983-26	UNIT_1-5-29_NG_RUN4_CONT 5A	Total/NA	Air	Air Train Vol.	
140-28983-33	UNIT_1-5-29_NG_RUN5_CONT 5A	Total/NA	Air	Air Train Vol.	
140-28983-40	UNIT_1-5-29_NG_RUN6_CONT 5A	Total/NA	Air	Air Train Vol.	
140-28983-47	UNIT_1-5-29_NG_RUN7_CONT 5A	Total/NA	Air	Air Train Vol.	
MB 140-65866/1-B	Method Blank	Total/NA	Air	Air Train Vol.	
LCS 140-65866/2-B	Lab Control Sample	Total/NA	Air	Air Train Vol.	
140-28983-19 MS	UNIT_1-5-29_NG_RUN3_CONT 5A	Total/NA	Air	Air Train Vol.	
140-28983-19 MSD	UNIT_1-5-29_NG_RUN3_CONT 5A	Total/NA	Air	Air Train Vol.	

Pre Prep Batch: 65870

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-28983-6	UNIT_1-5-29_NG_RUN1_CONT 5B	Total/NA	Air	Air Train Vol.	
140-28983-20	UNIT_1-5-29_NG_RUN3_CONT 5B	Total/NA	Air	Air Train Vol.	
140-28983-27	UNIT_1-5-29_NG_RUN4_CONT 5B	Total/NA	Air	Air Train Vol.	
140-28983-34	UNIT_1-5-29_NG_RUN5_CONT 5B	Total/NA	Air	Air Train Vol.	
140-28983-41	UNIT_1-5-29_NG_RUN6_CONT 5B	Total/NA	Air	Air Train Vol.	
140-28983-48	UNIT_1-5-29_NG_RUN7_CONT 5B	Total/NA	Air	Air Train Vol.	
MB 140-65870/1-B	Method Blank	Total/NA	Air	Air Train Vol.	
LCS 140-65870/2-B	Lab Control Sample	Total/NA	Air	Air Train Vol.	
140-28983-20 MS	UNIT_1-5-29_NG_RUN3_CONT 5B	Total/NA	Air	Air Train Vol.	
140-28983-20 MSD	UNIT_1-5-29_NG_RUN3_CONT 5B	Total/NA	Air	Air Train Vol.	

Pre Prep Batch: 65872

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-28983-7	UNIT_1-5-29_NG_RUN1_CONT 5C	Total/NA	Air	Air Train Vol.	
140-28983-14	UNIT_1-5-29_NG_RUN2_CONT 5C	Total/NA	Air	Air Train Vol.	
140-28983-21	UNIT_1-5-29_NG_RUN3_CONT 5C	Total/NA	Air	Air Train Vol.	
140-28983-28	UNIT_1-5-29_NG_RUN4_CONT 5C	Total/NA	Air	Air Train Vol.	
140-28983-35	UNIT_1-5-29_NG_RUN5_CONT 5C	Total/NA	Air	Air Train Vol.	
140-28983-42	UNIT_1-5-29_NG_RUN6_CONT 5C	Total/NA	Air	Air Train Vol.	
140-28983-49	UNIT_1-5-29_NG_RUN7_CONT 5C	Total/NA	Air	Air Train Vol.	
MB 140-65872/1-B	Method Blank	Total/NA	Air	Air Train Vol.	
LCS 140-65872/2-B	Lab Control Sample	Total/NA	Air	Air Train Vol.	
140-28983-21 MS	UNIT_1-5-29_NG_RUN3_CONT 5C	Total/NA	Air	Air Train Vol.	
140-28983-21 MSD	UNIT_1-5-29_NG_RUN3_CONT 5C	Total/NA	Air	Air Train Vol.	

Prep Batch: 65920

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-28983-4	UNIT_1-5-29_NG_RUN1_CONT 4	Total/NA	Air	AT Prep (BH)	
140-28983-11	UNIT_1-5-29_NG_RUN2_CONT 4	Total/NA	Air	AT Prep (BH)	
140-28983-18	UNIT_1-5-29_NG_RUN3_CONT 4	Total/NA	Air	AT Prep (BH)	
140-28983-25	UNIT_1-5-29_NG_RUN4_CONT 4	Total/NA	Air	AT Prep (BH)	
140-28983-32	UNIT_1-5-29_NG_RUN5_CONT 4	Total/NA	Air	AT Prep (BH)	
140-28983-39	UNIT_1-5-29_NG_RUN6_CONT 4	Total/NA	Air	AT Prep (BH)	
140-28983-46	UNIT_1-5-29_NG_RUN7_CONT 4	Total/NA	Air	AT Prep (BH)	
MB 140-65920/1-A	Method Blank	Total/NA	Air	AT Prep (BH)	
LCS 140-65920/2-A	Lab Control Sample	Total/NA	Air	AT Prep (BH)	
LCSD 140-65920/3-A	Lab Control Sample Dup	Total/NA	Air	AT Prep (BH)	

QC Association Summary

Client: TRC Environmental Corporation
Project/Site: Georiga Power Mcintosh IRC-Unit 1/NG M5/29

Job ID: 140-28983-1

Metals

Prep Batch: 65934

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-28983-5	UNIT_1-5-29_NG_RUN1_CONT 5A	Total/NA	Air	AT Prep (Empty)	65866
140-28983-12	UNIT_1-5-29_NG_RUN2_CONT 5A	Total/NA	Air	AT Prep (Empty)	65866
140-28983-19	UNIT_1-5-29_NG_RUN3_CONT 5A	Total/NA	Air	AT Prep (Empty)	65866
140-28983-26	UNIT_1-5-29_NG_RUN4_CONT 5A	Total/NA	Air	AT Prep (Empty)	65866
140-28983-33	UNIT_1-5-29_NG_RUN5_CONT 5A	Total/NA	Air	AT Prep (Empty)	65866
140-28983-40	UNIT_1-5-29_NG_RUN6_CONT 5A	Total/NA	Air	AT Prep (Empty)	65866
140-28983-47	UNIT_1-5-29_NG_RUN7_CONT 5A	Total/NA	Air	AT Prep (Empty)	65866
MB 140-65866/1-B	Method Blank	Total/NA	Air	AT Prep (Empty)	65866
LCS 140-65866/2-B	Lab Control Sample	Total/NA	Air	AT Prep (Empty)	65866
140-28983-19 MS	UNIT_1-5-29_NG_RUN3_CONT 5A	Total/NA	Air	AT Prep (Empty)	65866
140-28983-19 MSD	UNIT_1-5-29_NG_RUN3_CONT 5A	Total/NA	Air	AT Prep (Empty)	65866

Prep Batch: 65935

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-28983-6	UNIT_1-5-29_NG_RUN1_CONT 5B	Total/NA	Air	AT Prep (KMnO4)	65870
140-28983-20	UNIT_1-5-29_NG_RUN3_CONT 5B	Total/NA	Air	AT Prep (KMnO4)	65870
140-28983-27	UNIT_1-5-29_NG_RUN4_CONT 5B	Total/NA	Air	AT Prep (KMnO4)	65870
140-28983-34	UNIT_1-5-29_NG_RUN5_CONT 5B	Total/NA	Air	AT Prep (KMnO4)	65870
140-28983-41	UNIT_1-5-29_NG_RUN6_CONT 5B	Total/NA	Air	AT Prep (KMnO4)	65870
140-28983-48	UNIT_1-5-29_NG_RUN7_CONT 5B	Total/NA	Air	AT Prep (KMnO4)	65870
MB 140-65870/1-B	Method Blank	Total/NA	Air	AT Prep (KMnO4)	65870
LCS 140-65870/2-B	Lab Control Sample	Total/NA	Air	AT Prep (KMnO4)	65870
140-28983-20 MS	UNIT_1-5-29_NG_RUN3_CONT 5B	Total/NA	Air	AT Prep (KMnO4)	65870
140-28983-20 MSD	UNIT_1-5-29_NG_RUN3_CONT 5B	Total/NA	Air	AT Prep (KMnO4)	65870

Prep Batch: 65990

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-28983-7	UNIT_1-5-29_NG_RUN1_CONT 5C	Total/NA	Air	AT Prep (HCl)	65872
140-28983-14	UNIT_1-5-29_NG_RUN2_CONT 5C	Total/NA	Air	AT Prep (HCl)	65872
140-28983-21	UNIT_1-5-29_NG_RUN3_CONT 5C	Total/NA	Air	AT Prep (HCl)	65872
140-28983-28	UNIT_1-5-29_NG_RUN4_CONT 5C	Total/NA	Air	AT Prep (HCl)	65872
140-28983-35	UNIT_1-5-29_NG_RUN5_CONT 5C	Total/NA	Air	AT Prep (HCl)	65872
140-28983-42	UNIT_1-5-29_NG_RUN6_CONT 5C	Total/NA	Air	AT Prep (HCl)	65872
140-28983-49	UNIT_1-5-29_NG_RUN7_CONT 5C	Total/NA	Air	AT Prep (HCl)	65872
MB 140-65872/1-B	Method Blank	Total/NA	Air	AT Prep (HCl)	65872
LCS 140-65872/2-B	Lab Control Sample	Total/NA	Air	AT Prep (HCl)	65872
140-28983-21 MS	UNIT_1-5-29_NG_RUN3_CONT 5C	Total/NA	Air	AT Prep (HCl)	65872
140-28983-21 MSD	UNIT_1-5-29_NG_RUN3_CONT 5C	Total/NA	Air	AT Prep (HCl)	65872

Pre Prep Batch: 65994

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-28983-4	UNIT_1-5-29_NG_RUN1_CONT 4	Total/NA	Air	Air Train Vol.	
140-28983-11	UNIT_1-5-29_NG_RUN2_CONT 4	Total/NA	Air	Air Train Vol.	
140-28983-18	UNIT_1-5-29_NG_RUN3_CONT 4	Total/NA	Air	Air Train Vol.	

Metals (Continued)

Pre Prep Batch: 65994 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-28983-25	UNIT_1-5-29_NG_RUN4_CONT 4	Total/NA	Air	Air Train Vol.	
140-28983-32	UNIT_1-5-29_NG_RUN5_CONT 4	Total/NA	Air	Air Train Vol.	
140-28983-39	UNIT_1-5-29_NG_RUN6_CONT 4	Total/NA	Air	Air Train Vol.	
140-28983-46	UNIT_1-5-29_NG_RUN7_CONT 4	Total/NA	Air	Air Train Vol.	
MB 140-65994/1-C	Method Blank	Total/NA	Air	Air Train Vol.	
LCS 140-65994/2-C	Lab Control Sample	Total/NA	Air	Air Train Vol.	
140-28983-18 MS	UNIT_1-5-29_NG_RUN3_CONT 4	Total/NA	Air	Air Train Vol.	
140-28983-18 MSD	UNIT_1-5-29_NG_RUN3_CONT 4	Total/NA	Air	Air Train Vol.	

Prep Batch: 66005

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-28983-3	UNIT_1-5-29_NG_RUN1_CONT 1,2,3	Total/NA	Air	AT Prep (FH)	
140-28983-10	UNIT_1-5-29_NG_RUN2_CONT 1,2,3	Total/NA	Air	AT Prep (FH)	
140-28983-17	UNIT_1-5-29_NG_RUN3_CONT 1,2,3	Total/NA	Air	AT Prep (FH)	
140-28983-24	UNIT_1-5-29_NG_RUN4_CONT 1,2,3	Total/NA	Air	AT Prep (FH)	
140-28983-31	UNIT_1-5-29_NG_RUN5_CONT 1,2,3	Total/NA	Air	AT Prep (FH)	
140-28983-38	UNIT_1-5-29_NG_RUN6_CONT 1,2,3	Total/NA	Air	AT Prep (FH)	
140-28983-45	UNIT_1-5-29_NG_RUN7_CONT 1,2,3	Total/NA	Air	AT Prep (FH)	
MB 140-66005/1-A	Method Blank	Total/NA	Air	AT Prep (FH)	
MB 140-66005/1-B	Method Blank	Total/NA	Air	AT Prep (FH)	
LCS 140-66005/2-A	Lab Control Sample	Total/NA	Air	AT Prep (FH)	
LCS 140-66005/2-B	Lab Control Sample	Total/NA	Air	AT Prep (FH)	
LCSD 140-66005/3-A	Lab Control Sample Dup	Total/NA	Air	AT Prep (FH)	
LCSD 140-66005/3-B	Lab Control Sample Dup	Total/NA	Air	AT Prep (FH)	

Prep Batch: 66027

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-28983-4	UNIT_1-5-29_NG_RUN1_CONT 4	Total/NA	Air	AT Prep (BH)	65994
140-28983-11	UNIT_1-5-29_NG_RUN2_CONT 4	Total/NA	Air	AT Prep (BH)	65994
140-28983-18	UNIT_1-5-29_NG_RUN3_CONT 4	Total/NA	Air	AT Prep (BH)	65994
140-28983-25	UNIT_1-5-29_NG_RUN4_CONT 4	Total/NA	Air	AT Prep (BH)	65994
140-28983-32	UNIT_1-5-29_NG_RUN5_CONT 4	Total/NA	Air	AT Prep (BH)	65994
140-28983-39	UNIT_1-5-29_NG_RUN6_CONT 4	Total/NA	Air	AT Prep (BH)	65994
140-28983-46	UNIT_1-5-29_NG_RUN7_CONT 4	Total/NA	Air	AT Prep (BH)	65994
MB 140-65994/1-C	Method Blank	Total/NA	Air	AT Prep (BH)	65994
LCS 140-65994/2-C	Lab Control Sample	Total/NA	Air	AT Prep (BH)	65994
140-28983-18 MS	UNIT_1-5-29_NG_RUN3_CONT 4	Total/NA	Air	AT Prep (BH)	65994
140-28983-18 MSD	UNIT_1-5-29_NG_RUN3_CONT 4	Total/NA	Air	AT Prep (BH)	65994

Analysis Batch: 66043

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-28983-5	UNIT_1-5-29_NG_RUN1_CONT 5A	Total/NA	Air	29/7470A	65934
140-28983-6	UNIT_1-5-29_NG_RUN1_CONT 5B	Total/NA	Air	29/7470A	65935
140-28983-12	UNIT_1-5-29_NG_RUN2_CONT 5A	Total/NA	Air	29/7470A	65934
140-28983-19	UNIT_1-5-29_NG_RUN3_CONT 5A	Total/NA	Air	29/7470A	65934
140-28983-20	UNIT_1-5-29_NG_RUN3_CONT 5B	Total/NA	Air	29/7470A	65935
140-28983-26	UNIT_1-5-29_NG_RUN4_CONT 5A	Total/NA	Air	29/7470A	65934
140-28983-27	UNIT_1-5-29_NG_RUN4_CONT 5B	Total/NA	Air	29/7470A	65935
140-28983-33	UNIT_1-5-29_NG_RUN5_CONT 5A	Total/NA	Air	29/7470A	65934
140-28983-34	UNIT_1-5-29_NG_RUN5_CONT 5B	Total/NA	Air	29/7470A	65935
140-28983-40	UNIT_1-5-29_NG_RUN6_CONT 5A	Total/NA	Air	29/7470A	65934

Metals (Continued)

Analysis Batch: 66043 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-28983-41	UNIT_1-5-29_NG_RUN6_CONT 5B	Total/NA	Air	29/7470A	65935
140-28983-47	UNIT_1-5-29_NG_RUN7_CONT 5A	Total/NA	Air	29/7470A	65934
140-28983-48	UNIT_1-5-29_NG_RUN7_CONT 5B	Total/NA	Air	29/7470A	65935
MB 140-65866/1-B	Method Blank	Total/NA	Air	29/7470A	65934
MB 140-65870/1-B	Method Blank	Total/NA	Air	29/7470A	65935
LCS 140-65866/2-B	Lab Control Sample	Total/NA	Air	29/7470A	65934
LCS 140-65870/2-B	Lab Control Sample	Total/NA	Air	29/7470A	65935
140-28983-19 MS	UNIT_1-5-29_NG_RUN3_CONT 5A	Total/NA	Air	29/7470A	65934
140-28983-19 MSD	UNIT_1-5-29_NG_RUN3_CONT 5A	Total/NA	Air	29/7470A	65934
140-28983-20 MS	UNIT_1-5-29_NG_RUN3_CONT 5B	Total/NA	Air	29/7470A	65935
140-28983-20 MSD	UNIT_1-5-29_NG_RUN3_CONT 5B	Total/NA	Air	29/7470A	65935

Analysis Batch: 66078

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-28983-4	UNIT_1-5-29_NG_RUN1_CONT 4	Total/NA	Air	29/7470A	66027
140-28983-7	UNIT_1-5-29_NG_RUN1_CONT 5C	Total/NA	Air	29/7470A	65990
140-28983-11	UNIT_1-5-29_NG_RUN2_CONT 4	Total/NA	Air	29/7470A	66027
140-28983-14	UNIT_1-5-29_NG_RUN2_CONT 5C	Total/NA	Air	29/7470A	65990
140-28983-18	UNIT_1-5-29_NG_RUN3_CONT 4	Total/NA	Air	29/7470A	66027
140-28983-21	UNIT_1-5-29_NG_RUN3_CONT 5C	Total/NA	Air	29/7470A	65990
140-28983-25	UNIT_1-5-29_NG_RUN4_CONT 4	Total/NA	Air	29/7470A	66027
140-28983-28	UNIT_1-5-29_NG_RUN4_CONT 5C	Total/NA	Air	29/7470A	65990
140-28983-32	UNIT_1-5-29_NG_RUN5_CONT 4	Total/NA	Air	29/7470A	66027
140-28983-35	UNIT_1-5-29_NG_RUN5_CONT 5C	Total/NA	Air	29/7470A	65990
140-28983-39	UNIT_1-5-29_NG_RUN6_CONT 4	Total/NA	Air	29/7470A	66027
140-28983-42	UNIT_1-5-29_NG_RUN6_CONT 5C	Total/NA	Air	29/7470A	65990
140-28983-46	UNIT_1-5-29_NG_RUN7_CONT 4	Total/NA	Air	29/7470A	66027
140-28983-49	UNIT_1-5-29_NG_RUN7_CONT 5C	Total/NA	Air	29/7470A	65990
MB 140-65872/1-B	Method Blank	Total/NA	Air	29/7470A	65990
MB 140-65994/1-C	Method Blank	Total/NA	Air	29/7470A	66027
LCS 140-65872/2-B	Lab Control Sample	Total/NA	Air	29/7470A	65990
LCS 140-65994/2-C	Lab Control Sample	Total/NA	Air	29/7470A	66027
140-28983-18 MS	UNIT_1-5-29_NG_RUN3_CONT 4	Total/NA	Air	29/7470A	66027
140-28983-18 MSD	UNIT_1-5-29_NG_RUN3_CONT 4	Total/NA	Air	29/7470A	66027
140-28983-21 MS	UNIT_1-5-29_NG_RUN3_CONT 5C	Total/NA	Air	29/7470A	65990
140-28983-21 MSD	UNIT_1-5-29_NG_RUN3_CONT 5C	Total/NA	Air	29/7470A	65990

Cleanup Batch: 66132

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-28983-3	UNIT_1-5-29_NG_RUN1_CONT 1,2,3	Total/NA	Air	AT Prep FH	66005
140-28983-10	UNIT_1-5-29_NG_RUN2_CONT 1,2,3	Total/NA	Air	AT Prep FH	66005
140-28983-17	UNIT_1-5-29_NG_RUN3_CONT 1,2,3	Total/NA	Air	AT Prep FH	66005
140-28983-24	UNIT_1-5-29_NG_RUN4_CONT 1,2,3	Total/NA	Air	AT Prep FH	66005
140-28983-31	UNIT_1-5-29_NG_RUN5_CONT 1,2,3	Total/NA	Air	AT Prep FH	66005
140-28983-38	UNIT_1-5-29_NG_RUN6_CONT 1,2,3	Total/NA	Air	AT Prep FH	66005
140-28983-45	UNIT_1-5-29_NG_RUN7_CONT 1,2,3	Total/NA	Air	AT Prep FH	66005
MB 140-66005/1-B	Method Blank	Total/NA	Air	AT Prep FH	66005
LCS 140-66005/2-B	Lab Control Sample	Total/NA	Air	AT Prep FH	66005
LCSD 140-66005/3-B	Lab Control Sample Dup	Total/NA	Air	AT Prep FH	66005

QC Association Summary

Client: TRC Environmental Corporation
Job ID: 140-28983-1
Project/Site: Georiga Power Mcintosh IRC-Unit 1/NG M5/29

Metals

Analysis Batch: 66184

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-28983-3	UNIT_1-5-29_NG_RUN1_CONT 1,2,3	Total/NA	Air	29/7470A	66132
140-28983-10	UNIT_1-5-29_NG_RUN2_CONT 1,2,3	Total/NA	Air	29/7470A	66132
140-28983-17	UNIT_1-5-29_NG_RUN3_CONT 1,2,3	Total/NA	Air	29/7470A	66132
140-28983-24	UNIT_1-5-29_NG_RUN4_CONT 1,2,3	Total/NA	Air	29/7470A	66132
140-28983-31	UNIT_1-5-29_NG_RUN5_CONT 1,2,3	Total/NA	Air	29/7470A	66132
140-28983-38	UNIT_1-5-29_NG_RUN6_CONT 1,2,3	Total/NA	Air	29/7470A	66132
140-28983-45	UNIT_1-5-29_NG_RUN7_CONT 1,2,3	Total/NA	Air	29/7470A	66132
MB 140-66005/1-B	Method Blank	Total/NA	Air	29/7470A	66132
LCS 140-66005/2-B	Lab Control Sample	Total/NA	Air	29/7470A	66132
LCSD 140-66005/3-B	Lab Control Sample Dup	Total/NA	Air	29/7470A	66132

Analysis Batch: 66250

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-28983-4	UNIT_1-5-29_NG_RUN1_CONT 4	Total/NA	Air	29/6010C	65920
140-28983-11	UNIT_1-5-29_NG_RUN2_CONT 4	Total/NA	Air	29/6010C	65920
140-28983-18	UNIT_1-5-29_NG_RUN3_CONT 4	Total/NA	Air	29/6010C	65920
140-28983-25	UNIT_1-5-29_NG_RUN4_CONT 4	Total/NA	Air	29/6010C	65920
140-28983-32	UNIT_1-5-29_NG_RUN5_CONT 4	Total/NA	Air	29/6010C	65920
140-28983-39	UNIT_1-5-29_NG_RUN6_CONT 4	Total/NA	Air	29/6010C	65920
140-28983-46	UNIT_1-5-29_NG_RUN7_CONT 4	Total/NA	Air	29/6010C	65920
MB 140-65920/1-A	Method Blank	Total/NA	Air	29/6010C	65920
LCS 140-65920/2-A	Lab Control Sample	Total/NA	Air	29/6010C	65920
LCSD 140-65920/3-A	Lab Control Sample Dup	Total/NA	Air	29/6010C	65920

Analysis Batch: 66288

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-28983-3	UNIT_1-5-29_NG_RUN1_CONT 1,2,3	Total/NA	Air	29/6010C	66005
140-28983-10	UNIT_1-5-29_NG_RUN2_CONT 1,2,3	Total/NA	Air	29/6010C	66005
140-28983-17	UNIT_1-5-29_NG_RUN3_CONT 1,2,3	Total/NA	Air	29/6010C	66005
140-28983-24	UNIT_1-5-29_NG_RUN4_CONT 1,2,3	Total/NA	Air	29/6010C	66005
140-28983-31	UNIT_1-5-29_NG_RUN5_CONT 1,2,3	Total/NA	Air	29/6010C	66005
140-28983-38	UNIT_1-5-29_NG_RUN6_CONT 1,2,3	Total/NA	Air	29/6010C	66005
140-28983-45	UNIT_1-5-29_NG_RUN7_CONT 1,2,3	Total/NA	Air	29/6010C	66005
MB 140-66005/1-A	Method Blank	Total/NA	Air	29/6010C	66005
LCS 140-66005/2-A	Lab Control Sample	Total/NA	Air	29/6010C	66005
LCSD 140-66005/3-A	Lab Control Sample Dup	Total/NA	Air	29/6010C	66005

Analysis Batch: 66319

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-28983-3	UNIT_1-5-29_NG_RUN1_CONT 1,2,3	Total/NA	Air	29/6010C	66005
140-28983-10	UNIT_1-5-29_NG_RUN2_CONT 1,2,3	Total/NA	Air	29/6010C	66005
140-28983-17	UNIT_1-5-29_NG_RUN3_CONT 1,2,3	Total/NA	Air	29/6010C	66005
140-28983-24	UNIT_1-5-29_NG_RUN4_CONT 1,2,3	Total/NA	Air	29/6010C	66005
140-28983-31	UNIT_1-5-29_NG_RUN5_CONT 1,2,3	Total/NA	Air	29/6010C	66005
140-28983-38	UNIT_1-5-29_NG_RUN6_CONT 1,2,3	Total/NA	Air	29/6010C	66005
140-28983-45	UNIT_1-5-29_NG_RUN7_CONT 1,2,3	Total/NA	Air	29/6010C	66005

QC Association Summary

Client: TRC Environmental Corporation
Job ID: 140-28983-1
Project/Site: Georiga Power Mcintosh IRC-Unit 1/NG M5/29

General Chemistry

Analysis Batch: 65953

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-28983-1	UNIT_1-5-29_NG_RUN1_CONT 1	Total/NA	Air	5	
140-28983-2	UNIT_1-5-29_NG_RUN1_CONT 2	Total/NA	Air	5	
140-28983-8	UNIT_1-5-29_NG_RUN2_CONT 1	Total/NA	Air	5	
140-28983-9	UNIT_1-5-29_NG_RUN2_CONT 2	Total/NA	Air	5	
140-28983-15	UNIT_1-5-29_NG_RUN3_CONT 1	Total/NA	Air	5	
140-28983-16	UNIT_1-5-29_NG_RUN3_CONT 2	Total/NA	Air	5	
140-28983-22	UNIT_1-5-29_NG_RUN4_CONT 1	Total/NA	Air	5	
140-28983-23	UNIT_1-5-29_NG_RUN4_CONT 2	Total/NA	Air	5	
140-28983-29	UNIT_1-5-29_NG_RUN5_CONT 1	Total/NA	Air	5	
140-28983-30	UNIT_1-5-29_NG_RUN5_CONT 2	Total/NA	Air	5	
140-28983-36	UNIT_1-5-29_NG_RUN6_CONT 1	Total/NA	Air	5	
140-28983-37	UNIT_1-5-29_NG_RUN6_CONT 2	Total/NA	Air	5	
140-28983-43	UNIT_1-5-29_NG_RUN7_CONT 1	Total/NA	Air	5	
140-28983-44	UNIT_1-5-29_NG_RUN7_CONT 2	Total/NA	Air	5	

Lab Chronicle

Client: TRC Environmental Corporation
Job ID: 140-28983-1
Project/Site: Georiga Power Mcintosh IRC-Unit 1/NG M5/29

Client Sample ID: UNIT_1-5-29_NG_RUN1_CONT 1
Lab Sample ID: 140-28983-1
Date Collected: 09/14/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	5		1			65953	10/03/22 17:19	SJF	EET KNX
	Instrument ID: NOEQUIP									

Client Sample ID: UNIT_1-5-29_NG_RUN1_CONT 2
Lab Sample ID: 140-28983-2
Date Collected: 09/14/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	5		1			65953	10/03/22 17:19	SJF	EET KNX
	Instrument ID: NOEQUIP									

Client Sample ID: UNIT_1-5-29_NG_RUN1_CONT 1,2,3
Lab Sample ID: 140-28983-3
Date Collected: 09/14/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66005	10/05/22 09:00	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66288	10/12/22 14:35	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66005	10/05/22 09:00	WRL	EET KNX
Total/NA	Analysis	29/6010C		2			66319	10/13/22 12:16	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66005	10/05/22 09:00	WRL	EET KNX
Total/NA	Cleanup	AT Prep FH			5 mL	50 mL	66132	10/09/22 09:22	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66184	10/10/22 15:01	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_1-5-29_NG_RUN1_CONT 4
Lab Sample ID: 140-28983-4
Date Collected: 09/14/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (BH)			1 Sample	100 mL	65920	10/03/22 09:33	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66250	10/11/22 15:56	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Pre Prep	Air Train Vol.			1 Sample	100 mL	65994	10/05/22 13:00	LAH	EET KNX
Total/NA	Prep	AT Prep (BH)			2.5 mL	50 mL	66027	10/05/22 14:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66078	10/06/22 15:19	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_1-5-29_NG_RUN1_CONT 5A
Lab Sample ID: 140-28983-5

Date Collected: 09/14/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	100 mL	65866	10/03/22 07:30	LAH	EET KNX
Total/NA	Prep	AT Prep (Empty)			2.5 mL	50 mL	65934	10/04/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66043	10/05/22 13:28	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_1-5-29_NG_RUN1_CONT 5B
Lab Sample ID: 140-28983-6

Date Collected: 09/14/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	450 mL	65870	10/03/22 07:30	LAH	EET KNX
Total/NA	Prep	AT Prep (KMnO4)			25 mL	50 mL	65935	10/04/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66043	10/05/22 15:09	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_1-5-29_NG_RUN1_CONT 5C
Lab Sample ID: 140-28983-7

Date Collected: 09/14/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	280 mL	65872	10/03/22 08:00	LAH	EET KNX
Total/NA	Prep	AT Prep (HCl)			10 mL	50 mL	65990	10/05/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66078	10/06/22 12:18	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_1-5-29_NG_RUN2_CONT 1
Lab Sample ID: 140-28983-8

Date Collected: 09/14/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	5		1			65953	10/03/22 17:19	SJF	EET KNX
	Instrument ID: NOEQUIP									

Client Sample ID: UNIT_1-5-29_NG_RUN2_CONT 2
Lab Sample ID: 140-28983-9

Date Collected: 09/14/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	5		1			65953	10/03/22 17:19	SJF	EET KNX
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: TRC Environmental Corporation
Job ID: 140-28983-1
Project/Site: Georiga Power Mcintosh IRC-Unit 1/NG M5/29

Client Sample ID: UNIT_1-5-29_NG_RUN2_CONT 1,2,3
Lab Sample ID: 140-28983-10
Date Collected: 09/14/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66005	10/05/22 09:00	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66288	10/12/22 14:40	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66005	10/05/22 09:00	WRL	EET KNX
Total/NA	Analysis	29/6010C		2			66319	10/13/22 12:21	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66005	10/05/22 09:00	WRL	EET KNX
Total/NA	Cleanup	AT Prep FH			5 mL	50 mL	66132	10/09/22 09:22	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66184	10/10/22 15:08	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_1-5-29_NG_RUN2_CONT 4
Lab Sample ID: 140-28983-11
Date Collected: 09/14/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (BH)			1 Sample	100 mL	65920	10/03/22 09:33	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66250	10/11/22 16:01	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Pre Prep	Air Train Vol.			1 Sample	100 mL	65994	10/05/22 13:00	LAH	EET KNX
Total/NA	Prep	AT Prep (BH)			2.5 mL	50 mL	66027	10/05/22 14:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66078	10/06/22 15:21	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_1-5-29_NG_RUN2_CONT 5A
Lab Sample ID: 140-28983-12
Date Collected: 09/14/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	100 mL	65866	10/03/22 07:30	LAH	EET KNX
Total/NA	Prep	AT Prep (Empty)			2.5 mL	50 mL	65934	10/04/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66043	10/05/22 13:30	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_1-5-29_NG_RUN2_CONT 5C
Lab Sample ID: 140-28983-14
Date Collected: 09/14/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	225 mL	65872	10/03/22 08:00	LAH	EET KNX
Total/NA	Prep	AT Prep (HCl)			10 mL	50 mL	65990	10/05/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66078	10/06/22 12:20	LAH	EET KNX
	Instrument ID: ADT									

Lab Chronicle

Client: TRC Environmental Corporation
Job ID: 140-28983-1
Project/Site: Georiga Power Mcintosh IRC-Unit 1/NG M5/29

Client Sample ID: UNIT_1-5-29_NG_RUN3_CONT 1
Lab Sample ID: 140-28983-15
Date Collected: 09/15/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	5		1			65953	10/03/22 17:19	SJF	EET KNX
	Instrument ID: NOEQUIP									

Client Sample ID: UNIT_1-5-29_NG_RUN3_CONT 2
Lab Sample ID: 140-28983-16
Date Collected: 09/15/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	5		1			65953	10/03/22 17:19	SJF	EET KNX
	Instrument ID: NOEQUIP									

Client Sample ID: UNIT_1-5-29_NG_RUN3_CONT 1,2,3
Lab Sample ID: 140-28983-17
Date Collected: 09/15/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66005	10/05/22 09:00	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66288	10/12/22 14:46	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66005	10/05/22 09:00	WRL	EET KNX
Total/NA	Analysis	29/6010C		2			66319	10/13/22 12:26	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66005	10/05/22 09:00	WRL	EET KNX
Total/NA	Cleanup	AT Prep FH			5 mL	50 mL	66132	10/09/22 09:22	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66184	10/10/22 15:11	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_1-5-29_NG_RUN3_CONT 4
Lab Sample ID: 140-28983-18
Date Collected: 09/15/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (BH)			1 Sample	100 mL	65920	10/03/22 09:33	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66250	10/11/22 16:06	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Pre Prep	Air Train Vol.			1 Sample	100 mL	65994	10/05/22 13:00	LAH	EET KNX
Total/NA	Prep	AT Prep (BH)			2.5 mL	50 mL	66027	10/05/22 14:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66078	10/06/22 15:24	LAH	EET KNX
	Instrument ID: ADT									

Client: TRC Environmental Corporation
Job ID: 140-28983-1
Project/Site: Georiga Power Mcintosh IRC-Unit 1/NG M5/29

Client Sample ID: UNIT_1-5-29_NG_RUN3_CONT 5A
Lab Sample ID: 140-28983-19
Date Collected: 09/15/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	100 mL	65866	10/03/22 07:30	LAH	EET KNX
Total/NA	Prep	AT Prep (Empty)			2.5 mL	50 mL	65934	10/04/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66043	10/05/22 13:33	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_1-5-29_NG_RUN3_CONT 5B
Lab Sample ID: 140-28983-20
Date Collected: 09/15/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	430 mL	65870	10/03/22 07:30	LAH	EET KNX
Total/NA	Prep	AT Prep (KMnO4)			25 mL	50 mL	65935	10/04/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66043	10/05/22 15:12	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_1-5-29_NG_RUN3_CONT 5C
Lab Sample ID: 140-28983-21
Date Collected: 09/15/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	285 mL	65872	10/03/22 08:00	LAH	EET KNX
Total/NA	Prep	AT Prep (HCl)			10 mL	50 mL	65990	10/05/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66078	10/06/22 12:23	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_1-5-29_NG_RUN4_CONT 1
Lab Sample ID: 140-28983-22
Date Collected: 09/15/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	5		1			65953	10/03/22 17:19	SJF	EET KNX
	Instrument ID: NOEQUIP									

Client Sample ID: UNIT_1-5-29_NG_RUN4_CONT 2
Lab Sample ID: 140-28983-23
Date Collected: 09/15/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	5		1			65953	10/03/22 17:19	SJF	EET KNX
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: TRC Environmental Corporation
Job ID: 140-28983-1
Project/Site: Georiga Power Mcintosh IRC-Unit 1/NG M5/29

Client Sample ID: UNIT_1-5-29_NG_RUN4_CONT 1,2,3
Lab Sample ID: 140-28983-24
Date Collected: 09/15/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66005	10/05/22 09:00	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66288	10/12/22 15:01	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66005	10/05/22 09:00	WRL	EET KNX
Total/NA	Analysis	29/6010C		2			66319	10/13/22 13:17	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66005	10/05/22 09:00	WRL	EET KNX
Total/NA	Cleanup	AT Prep FH			5 mL	50 mL	66132	10/09/22 09:22	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66184	10/10/22 15:18	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_1-5-29_NG_RUN4_CONT 4
Lab Sample ID: 140-28983-25
Date Collected: 09/15/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (BH)			1 Sample	100 mL	65920	10/03/22 09:33	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66250	10/11/22 16:21	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Pre Prep	Air Train Vol.			1 Sample	100 mL	65994	10/05/22 13:00	LAH	EET KNX
Total/NA	Prep	AT Prep (BH)			2.5 mL	50 mL	66027	10/05/22 14:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66078	10/06/22 15:36	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_1-5-29_NG_RUN4_CONT 5A
Lab Sample ID: 140-28983-26
Date Collected: 09/15/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	100 mL	65866	10/03/22 07:30	LAH	EET KNX
Total/NA	Prep	AT Prep (Empty)			2.5 mL	50 mL	65934	10/04/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66043	10/05/22 13:40	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_1-5-29_NG_RUN4_CONT 5B
Lab Sample ID: 140-28983-27
Date Collected: 09/15/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	400 mL	65870	10/03/22 07:30	LAH	EET KNX
Total/NA	Prep	AT Prep (KMnO4)			25 mL	50 mL	65935	10/04/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66043	10/05/22 15:25	LAH	EET KNX
	Instrument ID: ADT									

Lab Chronicle

Client: TRC Environmental Corporation
Job ID: 140-28983-1
Project/Site: Georiga Power Mcintosh IRC-Unit 1/NG M5/29

Client Sample ID: UNIT_1-5-29_NG_RUN4_CONT 5C
Lab Sample ID: 140-28983-28
Date Collected: 09/15/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	295 mL	65872	10/03/22 08:00	LAH	EET KNX
Total/NA	Prep	AT Prep (HCl)			10 mL	50 mL	65990	10/05/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66078	10/06/22 12:30	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_1-5-29_NG_RUN5_CONT 1
Lab Sample ID: 140-28983-29
Date Collected: 09/15/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	5		1			65953	10/03/22 17:19	SJF	EET KNX
	Instrument ID: NOEQUIP									

Client Sample ID: UNIT_1-5-29_NG_RUN5_CONT 2
Lab Sample ID: 140-28983-30
Date Collected: 09/15/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	5		1			65953	10/03/22 17:19	SJF	EET KNX
	Instrument ID: NOEQUIP									

Client Sample ID: UNIT_1-5-29_NG_RUN5_CONT 1,2,3
Lab Sample ID: 140-28983-31
Date Collected: 09/15/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66005	10/05/22 09:00	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66288	10/12/22 15:20	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66005	10/05/22 09:00	WRL	EET KNX
Total/NA	Analysis	29/6010C		2			66319	10/13/22 13:37	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66005	10/05/22 09:00	WRL	EET KNX
Total/NA	Cleanup	AT Prep FH			5 mL	50 mL	66132	10/09/22 09:22	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66184	10/10/22 15:21	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_1-5-29_NG_RUN5_CONT 4
Lab Sample ID: 140-28983-32
Date Collected: 09/15/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (BH)			1 Sample	100 mL	65920	10/03/22 09:33	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66250	10/11/22 16:40	KNC	EET KNX
	Instrument ID: DUO									

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Lab Chronicle

Client: TRC Environmental Corporation
Job ID: 140-28983-1
Project/Site: Georiga Power Mcintosh IRC-Unit 1/NG M5/29

Client Sample ID: UNIT_1-5-29_NG_RUN5_CONT 4
Lab Sample ID: 140-28983-32
Date Collected: 09/15/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	100 mL	65994	10/05/22 13:00	LAH	EET KNX
Total/NA	Prep	AT Prep (BH)			2.5 mL	50 mL	66027	10/05/22 14:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66078	10/06/22 15:39	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_1-5-29_NG_RUN5_CONT 5A
Lab Sample ID: 140-28983-33
Date Collected: 09/15/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	100 mL	65866	10/03/22 07:30	LAH	EET KNX
Total/NA	Prep	AT Prep (Empty)			2.5 mL	50 mL	65934	10/04/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66043	10/05/22 13:43	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_1-5-29_NG_RUN5_CONT 5B
Lab Sample ID: 140-28983-34
Date Collected: 09/15/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	415 mL	65870	10/03/22 07:30	LAH	EET KNX
Total/NA	Prep	AT Prep (KMnO4)			25 mL	50 mL	65935	10/04/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66043	10/05/22 15:27	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_1-5-29_NG_RUN5_CONT 5C
Lab Sample ID: 140-28983-35
Date Collected: 09/15/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	255 mL	65872	10/03/22 08:00	LAH	EET KNX
Total/NA	Prep	AT Prep (HCl)			10 mL	50 mL	65990	10/05/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66078	10/06/22 12:33	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_1-5-29_NG_RUN6_CONT 1
Lab Sample ID: 140-28983-36
Date Collected: 09/16/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	5		1			65953	10/03/22 17:19	SJF	EET KNX
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: TRC Environmental Corporation
Job ID: 140-28983-1
Project/Site: Georiga Power Mcintosh IRC-Unit 1/NG M5/29

Client Sample ID: UNIT_1-5-29_NG_RUN6_CONT 2
Lab Sample ID: 140-28983-37
Date Collected: 09/16/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	5		1			65953	10/03/22 17:19	SJF	EET KNX
	Instrument ID: NOEQUIP									

Client Sample ID: UNIT_1-5-29_NG_RUN6_CONT 1,2,3
Lab Sample ID: 140-28983-38
Date Collected: 09/16/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66005	10/05/22 09:00	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66288	10/12/22 15:26	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66005	10/05/22 09:00	WRL	EET KNX
Total/NA	Analysis	29/6010C		2			66319	10/13/22 13:42	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66005	10/05/22 09:00	WRL	EET KNX
Total/NA	Cleanup	AT Prep FH			5 mL	50 mL	66132	10/09/22 09:22	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66184	10/10/22 15:24	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_1-5-29_NG_RUN6_CONT 4
Lab Sample ID: 140-28983-39
Date Collected: 09/16/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (BH)			1 Sample	100 mL	65920	10/03/22 09:33	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66250	10/11/22 16:45	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Pre Prep	Air Train Vol.			1 Sample	100 mL	65994	10/05/22 13:00	LAH	EET KNX
Total/NA	Prep	AT Prep (BH)			2.5 mL	50 mL	66027	10/05/22 14:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66078	10/06/22 15:42	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_1-5-29_NG_RUN6_CONT 5A
Lab Sample ID: 140-28983-40
Date Collected: 09/16/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	100 mL	65866	10/03/22 07:30	LAH	EET KNX
Total/NA	Prep	AT Prep (Empty)			2.5 mL	50 mL	65934	10/04/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66043	10/05/22 13:45	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_1-5-29_NG_RUN6_CONT 5B
Lab Sample ID: 140-28983-41
Date Collected: 09/16/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	415 mL	65870	10/03/22 07:30	LAH	EET KNX
Total/NA	Prep	AT Prep (KMnO4)			25 mL	50 mL	65935	10/04/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66043	10/05/22 15:30	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_1-5-29_NG_RUN6_CONT 5C
Lab Sample ID: 140-28983-42
Date Collected: 09/16/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	275 mL	65872	10/03/22 08:00	LAH	EET KNX
Total/NA	Prep	AT Prep (HCl)			10 mL	50 mL	65990	10/05/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66078	10/06/22 12:35	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_1-5-29_NG_RUN7_CONT 1
Lab Sample ID: 140-28983-43
Date Collected: 09/16/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	5		1			65953	10/03/22 17:19	SJF	EET KNX
	Instrument ID: NOEQUIP									

Client Sample ID: UNIT_1-5-29_NG_RUN7_CONT 2
Lab Sample ID: 140-28983-44
Date Collected: 09/16/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	5		1			65953	10/03/22 17:19	SJF	EET KNX
	Instrument ID: NOEQUIP									

Client Sample ID: UNIT_1-5-29_NG_RUN7_CONT 1,2,3
Lab Sample ID: 140-28983-45
Date Collected: 09/16/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66005	10/05/22 09:00	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66288	10/12/22 15:31	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66005	10/05/22 09:00	WRL	EET KNX
Total/NA	Analysis	29/6010C		2			66319	10/13/22 13:47	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66005	10/05/22 09:00	WRL	EET KNX
Total/NA	Cleanup	AT Prep FH			5 mL	50 mL	66132	10/09/22 09:22	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66184	10/10/22 15:26	LAH	EET KNX
	Instrument ID: ADT									

Lab Chronicle

Client: TRC Environmental Corporation
Job ID: 140-28983-1
Project/Site: Georiga Power Mcintosh IRC-Unit 1/NG M5/29

Client Sample ID: UNIT_1-5-29_NG_RUN7_CONT 4
Lab Sample ID: 140-28983-46
Date Collected: 09/16/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (BH)			1 Sample	100 mL	65920	10/03/22 09:33	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66250	10/11/22 16:50	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Pre Prep	Air Train Vol.			1 Sample	100 mL	65994	10/05/22 13:00	LAH	EET KNX
Total/NA	Prep	AT Prep (BH)			2.5 mL	50 mL	66027	10/05/22 14:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66078	10/06/22 15:44	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_1-5-29_NG_RUN7_CONT 5A
Lab Sample ID: 140-28983-47
Date Collected: 09/16/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	100 mL	65866	10/03/22 07:30	LAH	EET KNX
Total/NA	Prep	AT Prep (Empty)			2.5 mL	50 mL	65934	10/04/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66043	10/05/22 13:53	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_1-5-29_NG_RUN7_CONT 5B
Lab Sample ID: 140-28983-48
Date Collected: 09/16/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	415 mL	65870	10/03/22 07:30	LAH	EET KNX
Total/NA	Prep	AT Prep (KMnO4)			25 mL	50 mL	65935	10/04/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66043	10/05/22 15:32	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_1-5-29_NG_RUN7_CONT 5C
Lab Sample ID: 140-28983-49
Date Collected: 09/16/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	280 mL	65872	10/03/22 08:00	LAH	EET KNX
Total/NA	Prep	AT Prep (HCl)			10 mL	50 mL	65990	10/05/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66078	10/06/22 12:43	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: Method Blank
Lab Sample ID: MB 140-65866/1-B
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	50 mL	65866	10/03/22 07:30	LAH	EET KNX
Total/NA	Prep	AT Prep (Empty)			2.5 mL	50 mL	65934	10/04/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66043	10/05/22 13:22	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: Method Blank
Lab Sample ID: MB 140-65870/1-B
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	50 mL	65870	10/03/22 07:30	LAH	EET KNX
Total/NA	Prep	AT Prep (KMnO4)			25 mL	50 mL	65935	10/04/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66043	10/05/22 15:04	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: Method Blank
Lab Sample ID: MB 140-65872/1-B
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	50 mL	65872	10/03/22 08:00	LAH	EET KNX
Total/NA	Prep	AT Prep (HCl)			10 mL	50 mL	65990	10/05/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66078	10/06/22 12:12	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: Method Blank
Lab Sample ID: MB 140-65920/1-A
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (BH)			1 Sample	100 mL	65920	10/03/22 09:33	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66250	10/11/22 14:06	KNC	EET KNX
	Instrument ID: DUO									

Client Sample ID: Method Blank
Lab Sample ID: MB 140-65994/1-C
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	100 mL	65994	10/05/22 13:00	LAH	EET KNX
Total/NA	Prep	AT Prep (BH)			2.5 mL	50 mL	66027	10/05/22 14:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66078	10/06/22 14:53	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: Method Blank
Lab Sample ID: MB 140-66005/1-A
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66005	10/05/22 09:00	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66288	10/12/22 12:16	KNC	EET KNX
	Instrument ID: DUO									

Lab Chronicle

Client: TRC Environmental Corporation
Job ID: 140-28983-1
Project/Site: Georiga Power Mcintosh IRC-Unit 1/NG M5/29

Client Sample ID: Method Blank
Lab Sample ID: MB 140-66005/1-B
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66005	10/05/22 09:00	WRL	EET KNX
Total/NA	Cleanup	AT Prep FH			5 mL	50 mL	66132	10/09/22 09:22	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66184	10/10/22 14:12	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 140-65866/2-B
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	50 mL	65866	10/03/22 07:30	LAH	EET KNX
Total/NA	Prep	AT Prep (Empty)			2.5 mL	50 mL	65934	10/04/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66043	10/05/22 13:25	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 140-65870/2-B
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	50 mL	65870	10/03/22 07:30	LAH	EET KNX
Total/NA	Prep	AT Prep (KMnO4)			25 mL	50 mL	65935	10/04/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66043	10/05/22 15:07	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 140-65872/2-B
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	50 mL	65872	10/03/22 08:00	LAH	EET KNX
Total/NA	Prep	AT Prep (HCl)			10 mL	50 mL	65990	10/05/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66078	10/06/22 12:15	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 140-65920/2-A
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (BH)			1 Sample	100 mL	65920	10/03/22 09:33	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66250	10/11/22 14:10	KNC	EET KNX
	Instrument ID: DUO									

Lab Chronicle

Client: TRC Environmental Corporation
Job ID: 140-28983-1
Project/Site: Georiga Power Mcintosh IRC-Unit 1/NG M5/29

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 140-65994/2-C
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	100 mL	65994	10/05/22 13:00	LAH	EET KNX
Total/NA	Prep	AT Prep (BH)			2.5 mL	50 mL	66027	10/05/22 14:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66078	10/06/22 15:01	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 140-66005/2-A
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66005	10/05/22 09:00	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66288	10/12/22 12:21	KNC	EET KNX
	Instrument ID: DUO									

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 140-66005/2-B
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66005	10/05/22 09:00	WRL	EET KNX
Total/NA	Cleanup	AT Prep FH			5 mL	50 mL	66132	10/09/22 09:22	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66184	10/10/22 14:15	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 140-65920/3-A
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (BH)			1 Sample	100 mL	65920	10/03/22 09:33	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66250	10/11/22 14:15	KNC	EET KNX
	Instrument ID: DUO									

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 140-66005/3-A
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66005	10/05/22 09:00	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66288	10/12/22 12:26	KNC	EET KNX
	Instrument ID: DUO									

Lab Chronicle

Client: TRC Environmental Corporation
Job ID: 140-28983-1
Project/Site: Georiga Power Mcintosh IRC-Unit 1/NG M5/29

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 140-66005/3-B
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66005	10/05/22 09:00	WRL	EET KNX
Total/NA	Cleanup	AT Prep FH			5 mL	50 mL	66132	10/09/22 09:22	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66184	10/10/22 14:18	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_1-5-29_NG_RUN3_CONT 4
Lab Sample ID: 140-28983-18 MS
Date Collected: 09/15/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	100 mL	65994	10/05/22 13:00	LAH	EET KNX
Total/NA	Prep	AT Prep (BH)			2.5 mL	50 mL	66027	10/05/22 14:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66078	10/06/22 15:31	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_1-5-29_NG_RUN3_CONT 4
Lab Sample ID: 140-28983-18 MSD
Date Collected: 09/15/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	100 mL	65994	10/05/22 13:00	LAH	EET KNX
Total/NA	Prep	AT Prep (BH)			2.5 mL	50 mL	66027	10/05/22 14:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66078	10/06/22 15:34	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_1-5-29_NG_RUN3_CONT 5A
Lab Sample ID: 140-28983-19 MS
Date Collected: 09/15/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	100 mL	65866	10/03/22 07:30	LAH	EET KNX
Total/NA	Prep	AT Prep (Empty)			2.5 mL	50 mL	65934	10/04/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66043	10/05/22 13:35	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_1-5-29_NG_RUN3_CONT 5A
Lab Sample ID: 140-28983-19 MSD
Date Collected: 09/15/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	100 mL	65866	10/03/22 07:30	LAH	EET KNX
Total/NA	Prep	AT Prep (Empty)			2.5 mL	50 mL	65934	10/04/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66043	10/05/22 13:38	LAH	EET KNX
	Instrument ID: ADT									

Lab Chronicle

Client: TRC Environmental Corporation
Job ID: 140-28983-1
Project/Site: Georiga Power Mcintosh IRC-Unit 1/NG M5/29

Client Sample ID: UNIT_1-5-29_NG_RUN3_CONT 5B
Lab Sample ID: 140-28983-20 MS

Date Collected: 09/15/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	430 mL	65870	10/03/22 07:30	LAH	EET KNX
Total/NA	Prep	AT Prep (KMnO4)			25 mL	50 mL	65935	10/04/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66043	10/05/22 15:14	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_1-5-29_NG_RUN3_CONT 5B
Lab Sample ID: 140-28983-20 MSD

Date Collected: 09/15/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	430 mL	65870	10/03/22 07:30	LAH	EET KNX
Total/NA	Prep	AT Prep (KMnO4)			25 mL	50 mL	65935	10/04/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66043	10/05/22 15:17	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_1-5-29_NG_RUN3_CONT 5C
Lab Sample ID: 140-28983-21 MS

Date Collected: 09/15/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	285 mL	65872	10/03/22 08:00	LAH	EET KNX
Total/NA	Prep	AT Prep (HCl)			10 mL	50 mL	65990	10/05/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66078	10/06/22 12:25	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_1-5-29_NG_RUN3_CONT 5C
Lab Sample ID: 140-28983-21 MSD

Date Collected: 09/15/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	285 mL	65872	10/03/22 08:00	LAH	EET KNX
Total/NA	Prep	AT Prep (HCl)			10 mL	50 mL	65990	10/05/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66078	10/06/22 12:28	LAH	EET KNX
	Instrument ID: ADT									

Laboratory References:

EET KNX = Eurofins Knoxville, 5815 Middlebrook Pike, Knoxville, TN 37921, TEL (865)291-3000

Accreditation/Certification Summary

Client: TRC Environmental Corporation
Job ID: 140-28983-1
Project/Site: Georiga Power Mcintosh IRC-Unit 1/NG M5/29

Laboratory: Eurofins Knoxville

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
	AFCEE	N/A	
ANAB	Dept. of Defense ELAP	L2311	02-13-25
ANAB	Dept. of Energy	L2311.01	02-13-25
ANAB	ISO/IEC 17025	L2311	02-13-25
Arkansas DEQ	State	88-0688	06-16-23
California	State	2423	06-30-22 *
Colorado	State	TN00009	02-28-23
Connecticut	State	PH-0223	09-30-23
Florida	NELAP	E87177	06-30-23
Georgia (DW)	State	906	12-11-22
Hawaii	State	NA	12-11-22
Kansas	NELAP	E-10349	10-31-22
Kentucky (DW)	State	90101	12-31-22
Louisiana	NELAP	83979	06-30-23
Louisiana (All)	NELAP	83979	06-30-23
Louisiana (DW)	State	LA019	12-31-22
Maryland	State	277	03-31-23
Michigan	State	9933	12-11-22
Nevada	State	TN00009	07-31-23
New Hampshire	NELAP	299919	01-17-23
New Jersey	NELAP	TN001	06-30-23
New York	NELAP	10781	03-31-23
North Carolina (DW)	State	21705	07-31-23
North Carolina (WW/SW)	State	64	12-31-22
Ohio VAP	State	CL0059	06-02-23
Oklahoma	State	9415	08-31-23
Oregon	NELAP	TNI0189	12-31-22
Pennsylvania	NELAP	68-00576	12-31-22
Tennessee	State	02014	07-27-25
Texas	NELAP	T104704380-22-17	08-31-23
US Fish & Wildlife	US Federal Programs	058448	07-31-23
USDA	US Federal Programs	P330-19-00236	12-31-22
Utah	NELAP	TN00009	07-31-23
Virginia	NELAP	460176	09-14-23
Washington	State	C593	01-19-23
West Virginia (DW)	State	9955C	12-31-22
West Virginia DEP	State	345	04-30-23
Wisconsin	State	998044300	08-31-23

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: TRC Environmental Corporation
Job ID: 140-28983-1
Project/Site: Georiga Power Mcintosh IRC-Unit 1/NG M5/29

Method	Method Description	Protocol	Laboratory
29/6010C	Metals (ICP), Stationary Source	EPA	EET KNX
29/7470A	Mercury (CVAA), Stationary Source	EPA	EET KNX
5	Particulates	EPA	EET KNX
Air Train Vol.	Air Train Volume	None	EET KNX
AT Prep (BH)	Preparation, Mercury (Stationary Source)	EPA	EET KNX
AT Prep (BH)	Preparation, Total Metals (Stationary Source)	EPA	EET KNX
AT Prep (Empty)	Preparation, Mercury (Stationary Source)	EPA	EET KNX
AT Prep (FH)	Preparation, Total Metals (Stationary Source)	EPA	EET KNX
AT Prep (HCl)	Preparation, Mercury (Stationary Source)	EPA	EET KNX
AT Prep (KMnO4)	Preparation, Mercury (Stationary Source)	EPA	EET KNX
AT Prep FH	Preparation, Mercury (Stationary Source) FH	EPA	EET KNX

Protocol References:

EPA = US Environmental Protection Agency

None = None

Laboratory References:

EET KNX = Eurofins Knoxville, 5815 Middlebrook Pike, Knoxville, TN 37921, TEL (865)291-3000

Sample Summary

Client: TRC Environmental Corporation
Job ID: 140-28983-1
Project/Site: Georiga Power Mcintosh IRC-Unit 1/NG M5/29

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
140-28983-1	UNIT_1-5-29_NG_RUN1_CONT 1	Air	09/14/22 00:00	09/28/22 19:45
140-28983-2	UNIT_1-5-29_NG_RUN1_CONT 2	Air	09/14/22 00:00	09/28/22 19:45
140-28983-3	UNIT_1-5-29_NG_RUN1_CONT 1,2,3	Air	09/14/22 00:00	09/28/22 19:45
140-28983-4	UNIT_1-5-29_NG_RUN1_CONT 4	Air	09/14/22 00:00	09/28/22 19:45
140-28983-5	UNIT_1-5-29_NG_RUN1_CONT 5A	Air	09/14/22 00:00	09/28/22 19:45
140-28983-6	UNIT_1-5-29_NG_RUN1_CONT 5B	Air	09/14/22 00:00	09/28/22 19:45
140-28983-7	UNIT_1-5-29_NG_RUN1_CONT 5C	Air	09/14/22 00:00	09/28/22 19:45
140-28983-8	UNIT_1-5-29_NG_RUN2_CONT 1	Air	09/14/22 00:00	09/28/22 19:45
140-28983-9	UNIT_1-5-29_NG_RUN2_CONT 2	Air	09/14/22 00:00	09/28/22 19:45
140-28983-10	UNIT_1-5-29_NG_RUN2_CONT 1,2,3	Air	09/14/22 00:00	09/28/22 19:45
140-28983-11	UNIT_1-5-29_NG_RUN2_CONT 4	Air	09/14/22 00:00	09/28/22 19:45
140-28983-12	UNIT_1-5-29_NG_RUN2_CONT 5A	Air	09/14/22 00:00	09/28/22 19:45
140-28983-14	UNIT_1-5-29_NG_RUN2_CONT 5C	Air	09/14/22 00:00	09/28/22 19:45
140-28983-15	UNIT_1-5-29_NG_RUN3_CONT 1	Air	09/15/22 00:00	09/28/22 19:45
140-28983-16	UNIT_1-5-29_NG_RUN3_CONT 2	Air	09/15/22 00:00	09/28/22 19:45
140-28983-17	UNIT_1-5-29_NG_RUN3_CONT 1,2,3	Air	09/15/22 00:00	09/28/22 19:45
140-28983-18	UNIT_1-5-29_NG_RUN3_CONT 4	Air	09/15/22 00:00	09/28/22 19:45
140-28983-19	UNIT_1-5-29_NG_RUN3_CONT 5A	Air	09/15/22 00:00	09/28/22 19:45
140-28983-20	UNIT_1-5-29_NG_RUN3_CONT 5B	Air	09/15/22 00:00	09/28/22 19:45
140-28983-21	UNIT_1-5-29_NG_RUN3_CONT 5C	Air	09/15/22 00:00	09/28/22 19:45
140-28983-22	UNIT_1-5-29_NG_RUN4_CONT 1	Air	09/15/22 00:00	09/28/22 19:45
140-28983-23	UNIT_1-5-29_NG_RUN4_CONT 2	Air	09/15/22 00:00	09/28/22 19:45
140-28983-24	UNIT_1-5-29_NG_RUN4_CONT 1,2,3	Air	09/15/22 00:00	09/28/22 19:45
140-28983-25	UNIT_1-5-29_NG_RUN4_CONT 4	Air	09/15/22 00:00	09/28/22 19:45
140-28983-26	UNIT_1-5-29_NG_RUN4_CONT 5A	Air	09/15/22 00:00	09/28/22 19:45
140-28983-27	UNIT_1-5-29_NG_RUN4_CONT 5B	Air	09/15/22 00:00	09/28/22 19:45
140-28983-28	UNIT_1-5-29_NG_RUN4_CONT 5C	Air	09/15/22 00:00	09/28/22 19:45
140-28983-29	UNIT_1-5-29_NG_RUN5_CONT 1	Air	09/15/22 00:00	09/28/22 19:45
140-28983-30	UNIT_1-5-29_NG_RUN5_CONT 2	Air	09/15/22 00:00	09/28/22 19:45
140-28983-31	UNIT_1-5-29_NG_RUN5_CONT 1,2,3	Air	09/15/22 00:00	09/28/22 19:45
140-28983-32	UNIT_1-5-29_NG_RUN5_CONT 4	Air	09/15/22 00:00	09/28/22 19:45
140-28983-33	UNIT_1-5-29_NG_RUN5_CONT 5A	Air	09/15/22 00:00	09/28/22 19:45
140-28983-34	UNIT_1-5-29_NG_RUN5_CONT 5B	Air	09/15/22 00:00	09/28/22 19:45
140-28983-35	UNIT_1-5-29_NG_RUN5_CONT 5C	Air	09/15/22 00:00	09/28/22 19:45
140-28983-36	UNIT_1-5-29_NG_RUN6_CONT 1	Air	09/16/22 00:00	09/28/22 19:45
140-28983-37	UNIT_1-5-29_NG_RUN6_CONT 2	Air	09/16/22 00:00	09/28/22 19:45
140-28983-38	UNIT_1-5-29_NG_RUN6_CONT 1,2,3	Air	09/16/22 00:00	09/28/22 19:45
140-28983-39	UNIT_1-5-29_NG_RUN6_CONT 4	Air	09/16/22 00:00	09/28/22 19:45
140-28983-40	UNIT_1-5-29_NG_RUN6_CONT 5A	Air	09/16/22 00:00	09/28/22 19:45
140-28983-41	UNIT_1-5-29_NG_RUN6_CONT 5B	Air	09/16/22 00:00	09/28/22 19:45
140-28983-42	UNIT_1-5-29_NG_RUN6_CONT 5C	Air	09/16/22 00:00	09/28/22 19:45
140-28983-43	UNIT_1-5-29_NG_RUN7_CONT 1	Air	09/16/22 00:00	09/28/22 19:45
140-28983-44	UNIT_1-5-29_NG_RUN7_CONT 2	Air	09/16/22 00:00	09/28/22 19:45
140-28983-45	UNIT_1-5-29_NG_RUN7_CONT 1,2,3	Air	09/16/22 00:00	09/28/22 19:45
140-28983-46	UNIT_1-5-29_NG_RUN7_CONT 4	Air	09/16/22 00:00	09/28/22 19:45
140-28983-47	UNIT_1-5-29_NG_RUN7_CONT 5A	Air	09/16/22 00:00	09/28/22 19:45
140-28983-48	UNIT_1-5-29_NG_RUN7_CONT 5B	Air	09/16/22 00:00	09/28/22 19:45
140-28983-49	UNIT_1-5-29_NG_RUN7_CONT 5C	Air	09/16/22 00:00	09/28/22 19:45

CHAIN OF CUSTODY RECORD

Project Name:	Georgia Power McIntosh ICR	**Project Manager:**	Jason Grizzle
Project No.:	491281	**TRC Office:**	AU4
Sampling Date(s):	9/16/22 to 09/17/22	**Phone No.:**	(720) 838-3857
Laboratory:	Testamerica	**PM Email:**	jgrizzle@trccompanies.com
Laboratory P.O.:	C491281		
Shipping Date(s):	09/28/22		
Shipper's Name:	TRC		

140-28988 Chain of Custody

Sample Code	Date Sampled	Container Size	Container G/P	MATRIX	Description	ANALYSIS	Box No.	Comments
Unit_1-5-29_NG_Run6_Cont2	09/16/22	250 ml	G	L	Method 5 FHR - Unit 1 Run 6 NG	Method 5		
Unit_1-5-29_NG_Run6_Cont3	09/16/22	250 ml	G	AQ	Method 29 FHR - Unit 1 Run 6 NG	Method 29		
Unit_1-5-29_NG_Run6_Cont4	09/16/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 1 Run 6 NG	Method 29		
Unit_1-5-29_NG_Run6_Cont5A	09/16/22	250 ml	G	L	Method 29 IMP 4 - Unit 1 Run 6 NG	Method 29		
Unit_1-5-29_NG_Run6_Cont5B	09/16/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 1 Run 6 NG	Method 29		
Unit_1-5-29_NG_Run6_Cont5C	09/16/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 1 Run 6 NG	Method 29		
Unit_1-5-29_NG_Run7_Cont1	09/16/22	Petri	G	S	Method 5 Sample Filter - Unit 1 Run 7 NG	Method 5		
Unit_1-5-29_NG_Run7_Cont2	09/16/22	250 ml	G	L	Method 5 FHR - Unit 1 Run 7 NG	Method 5		
Unit_1-5-29_NG_Run7_Cont3	09/16/22	250 ml	G	AQ	Method 29 FHR - Unit 1 Run 7 NG	Method 29		
Unit_1-5-29_NG_Run7_Cont4	09/16/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 1 Run 7 NG	Method 29		
Unit_1-5-29_NG_Run7_Cont5A	09/16/22	250 ml	G	L	Method 29 IMP 4 - Unit 1 Run 7 NG	Method 29		
Unit_1-5-29_NG_Run7_Cont5B	09/16/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 1 Run 7 NG	Method 29		
Unit_1-5-29_NG_Run7_Cont5C	09/16/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 1 Run 7 NG	Method 29		
Unit_1-5-29_FO_Run1_Cont1	09/17/22	Petri	G	S	Method 5 Sample Filter - Unit 1 Run 1 FO	Method 5		
Unit_1-5-29_FO_Run1_Cont2	09/17/22	250 ml	G	L	Method 5 FHR - Unit 1 Run 1 FO	Method 5		
Unit_1-5-29_FO_Run1_Cont3	09/17/22	250 ml	G	AQ	Method 29 FHR - Unit 1 Run 1 FO	Method 29		
Unit_1-5-29_FO_Run1_Cont4	09/17/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 1 Run 1 FO	Method 29		
Unit_1-5-29_FO_Run1_Cont5A	09/17/22	250 ml	G	L	Method 29 IMP 4 - Unit 1 Run 1 FO	Method 29		

Relinquished by:	**Date/Time:** 9-28-22 19:45	**Relinquished by:**	**Date/Time:**
Received by: ESA-KNT	**Date/Time:** 9-28-22 19:45	**Received by:**	**Date/Time:**

Remarks (*):

TRC

AM-EMT-79_Rev 5.3 5/1/19

CHAIN OF CUSTODY RECORD

Project Name:	Georgia Power McIntosh ICR	**Project Manager:**	Jason Grizzle
Project No.:	491281	**TRC Office:**	AU4
Sampling Date(s):	9/17/22 to 09/17/22	**Phone No.:**	(720) 838-3857
Laboratory:	Testamerica	**PM Email:**	jgrizzle@trccompanies.com
Laboratory P.O.:	C491281		
Shipping Date(s):	09/28/22		
Shipper's Name:	TRC		

Sample Code	Date Sampled	Container Size	Container G/P	MATRIX	Description	ANALYSIS	Box No.	Comments
Unit_1-5-29_FO_Run1_Cont5B	09/17/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 1 Run 1 FO	Method 29		
Unit_1-5-29_FO_Run1_Cont5C	09/17/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 1 Run 1 FO	Method 29		
Unit_1-5-29_FO_Run2_Cont1	09/17/22	Petri	G	S	Method 5 Sample Filter - Unit 1 Run 2 FO	Method 5		
Unit_1-5-29_FO_Run2_Cont2	09/17/22	250 ml	G	L	Method 5 FHR - Unit 1 Run 2 FO	Method 5		
Unit_1-5-29_FO_Run2_Cont3	09/17/22	250 ml	G	AQ	Method 29 FHR - Unit 1 Run 2 FO	Method 29		
Unit_1-5-29_FO_Run2_Cont4	09/17/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 1 Run 2 FO	Method 29		

Relinquished by:	Date/Time: 9-28-22 19:45	**Relinquished by:**	**Date/Time:**
Received by:	Date/Time: 9-28-22 19:45	**Received by:**	**Date/Time:**
Remarks (*):			

TRC

AM-EMT-79_Rev 5.3 5/1/19

CHAIN OF CUSTODY RECORD

Project Name:	Georgia Power McIntosh ICR	**Project Manager:**	Jason Grizzle
Project No.:	491281	**TRC Office:**	AU4
Sampling Date(s):	9/17/22 to 09/19/22	**Phone No.:**	(720) 838-3857
Laboratory:	Testamerica	**PM Email:**	jgrizzle@trccompanies.com
Laboratory P.O.:	C491281		
Shipping Date(s):	09/28/22		
Shipper's Name:	TRC		

Sample Code	Date Sampled	Container Size	Container G/P	MATRIX	Description	ANALYSIS	Box No.	Comments
Unit_1-5-29_FO_Run2_Cont5A	09/17/22	250 ml	G	L	Method 29 IMP 4 - Unit 1 Run 2 FO	Method 5		
Unit_1-5-29_FO_Run2_Cont5B	09/17/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 1 Run 2 FO	Method 5		
Unit_1-5-29_FO_Run2_Cont5C	09/17/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 1 Run 2 FO	Method 29		
Blank_Acetone_Cont7	09/17/22	250 ml	G	L	Actone blank	Method 5		
Blank_HNO3_Cont8A	09/17/22	500 ml	G	L	0.1N HNO3 blank	Method 29		
Blank_DIH2O_Cont8B	09/17/22	250 ml	G	L	DI H2O blank	Method 29		
Blank_HNO3-H2O2-Cont10	09/17/22	250 ml	G	L	5% HNO3 / 10% H2O2 blank	Method 29		
Blank_KMnO4-H2SO4-Cont10	09/17/22	250 ml	G	L	4% KMnO4 / 10% H2SO4 blank	Method 29		
Blank_8N-HCl_Cont11	09/17/22	500 ml	G	L	8N HCl blank	Method 29		
Blank_SampleFilters_Cont12	09/17/22	Petri	G	S	Sample filter blanks	Method 29		
Unit_1-5-29_FO_Run3_Cont1	09/19/22	Petri	G	S	Method 5 Sample Filter - Unit 1 Run 3 FO	Method 5		
Unit_1-5-29_FO_Run3_Cont2	09/19/22	250 ml	G	L	Method 5 FHR - Unit 1 Run 3 FO	Method 5		
Unit_1-5-29_FO_Run3_Cont3	09/19/22	250 ml	G	AQ	Method 29 FHR - Unit 1 Run 3 FO	Method 29		
Unit_1-5-29_FO_Run3_Cont4	09/19/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 1 Run 3 FO	Method 29		
Unit_1-5-29_FO_Run3_Cont5A	09/19/22	250 ml	G	L	Method 29 IMP 4 - Unit 1 Run 3 FO	Method 29		
Unit_1-5-29_FO_Run3_Cont5B	09/19/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 1 Run 3 FO	Method 29		
Unit_1-5-29_FO_Run3_Cont5C	09/19/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 1 Run 3 FO	Method 29		
Unit_1-5-29_FO_Run4_Cont1	09/19/22	Petri	G	S	Method 5 Sample Filter - Unit 1 Run 4 FO	Method 5		

Relinquished by:	Date/Time: 9-28-22 19:45	**Relinquished by:**	**Date/Time:**
Received by: EVI Kurx	Date/Time: 9-28-22 19:45	**Received by:**	**Date/Time:**

Remarks (*):

TRC

AM-EMT-79_Rev 5.3 5/1/19

CHAIN OF CUSTODY RECORD

Project Name:	Georgia Power McIntosh ICR	**Project Manager:**	Jason Grizzle
Project No.:	491281	**TRC Office:**	AU4
Sampling Date(s):	9/19/22 to 09/20/22	**Phone No.:**	(720) 838-3857
Laboratory:	Testamerica	**PM Email:**	jgrizzle@trccompanies.com
Laboratory P.O.:	C491281		
Shipping Date(s):	09/28/22		
Shipper's Name:	TRC		

Sample Code	Date Sampled	Container Size	Container G/P	MATRIX	Description	ANALYSIS	Box No.	Comments
Unit_1-5-29_FO_Run4_Cont2	09/19/22	250 ml	G	L	Method 5 FHR - Unit 1 Run 4 FO	Method 5		
Unit_1-5-29_FO_Run4_Cont3	09/19/22	250 ml	G	AQ	Method 29 FHR - Unit 1 Run 4 FO	Method 29		
Unit_1-5-29_FO_Run4_Cont4	09/19/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 1 Run 4 FO	Method 29		
Unit_1-5-29_FO_Run4_Cont5A	09/19/22	250 ml	G	L	Method 29 IMP 4 - Unit 1 Run 4 FO	Method 29		
Unit_1-5-29_FO_Run4_Cont5B	09/19/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 1 Run 4 FO	Method 29		
Unit_1-5-29_FO_Run4_Cont5C	09/19/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 1 Run 4 FO	Method 29		
Unit_1-5-29_FO_Run5_Cont1	09/19/22	Petri	G	S	Method 5 Sample Filter - Unit 1 Run 5 FO	Method 5		
Unit_1-5-29_FO_Run5_Cont2	09/19/22	250 ml	G	L	Method 5 FHR - Unit 1 Run 5 FO	Method 5		
Unit_1-5-29_FO_Run5_Cont3	09/19/22	250 ml	G	AQ	Method 29 FHR - Unit 1 Run 5 FO	Method 29		
Unit_1-5-29_FO_Run5_Cont4	09/19/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 1 Run 5 FO	Method 29		
Unit_1-5-29_FO_Run5_Cont5A	09/19/22	250 ml	G	L	Method 29 IMP 4 - Unit 1 Run 5 FO	Method 29		
Unit_1-5-29_FO_Run5_Cont5B	09/19/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 1 Run 5 FO	Method 29		
Unit_1-5-29_FO_Run5_Cont5C	09/19/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 1 Run 5 FO	Method 29		
Unit_1-5-29_FO_Run6_Cont1	09/20/22	Petri	G	S	Method 5 Sample Filter - Unit 1 Run 6 FO	Method 5		
Unit_1-5-29_FO_Run6_Cont2	09/20/22	250 ml	G	L	Method 5 FHR - Unit 1 Run 6 FO	Method 5		
Unit_1-5-29_FO_Run6_Cont3	09/20/22	250 ml	G	AQ	Method 29 FHR - Unit 1 Run 6 FO	Method 29		
Unit_1-5-29_FO_Run6_Cont4	09/20/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 1 Run 6 FO	Method 29		
Unit_1-5-29_FO_Run6_Cont5A	09/20/22	250 ml	G	L	Method 29 IMP 4 - Unit 1 Run 6 FO	Method 29		

Relinquished by:	Date/Time: 9-28-22 19:45	**Relinquished by:**	**Date/Time:**
Received by:	Date/Time: 9-28-22 19:45	**Received by:**	**Date/Time:**
Remarks (*):			

TRC

AM-EMT-79_Rev 5.3 5/1/19

CHAIN OF CUSTODY RECORD

Project Name:	Georgia Power McIntosh ICR	**Project Manager:**	Jason Grizzle
Project No.:	491281	**TRC Office:**	AU4
Sampling Date(s):	9/20/22 to 09/21/22	**Phone No.:**	(720) 838-3857
Laboratory:	Testamerica	**PM Email:**	jgrizzle@trccompanies.com
Laboratory P.O.:	C491281		
Shipping Date(s):	09/28/22		
Shipper's Name:	TRC		

Sample Code	Date Sampled	Container Size	Container G/P	MATRIX	Description	ANALYSIS	Box No.	Comments
Unit_1-5-29_FO_Run6_Cont5B	09/20/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 1 Run 6 FO	Method 29		
Unit_1-5-29_FO_Run6_Cont5C	09/20/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 1 Run 6 FO	Method 29		
Unit_1-5-29_FO_Run7_Cont1	09/20/22	Petri	G	S	Method 5 Sample Filter - Unit 1 Run 7 FO	Method 5		
Unit_1-5-29_FO_Run7_Cont2	09/20/22	250 ml	G	L	Method 5 FHR - Unit 1 Run 7 FO	Method 5		
Unit_1-5-29_FO_Run7_Cont3	09/20/22	250 ml	G	AQ	Method 29 FHR - Unit 1 Run 7 FO	Method 29		
Unit_1-5-29_FO_Run7_Cont4	09/20/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 1 Run 7 FO	Method 29		
Unit_1-5-29_FO_Run7_Cont5A	09/20/22	250 ml	G	L	Method 29 IMP 4 - Unit 1 Run 7 FO	Method 29		
Unit_1-5-29_FO_Run7_Cont5B	09/20/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 1 Run 7 FO	Method 29		
Unit_1-5-29_FO_Run7_Cont5C	09/20/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 1 Run 7 FO	Method 29		
Unit_2-5-29_NG_Run1_Cont1	09/21/22	Petri	G	S	Method 5 Sample Filter - Unit 2 Run 1 NG	Method 5		
Unit_2-5-29_NG_Run1_Cont2	09/21/22	250 ml	G	L	Method 5 FHR - Unit 2 Run 1 NG	Method 5		
Unit_2-5-29_NG_Run1_Cont3	09/21/22	250 ml	G	AQ	Method 29 FHR - Unit 2 Run 1 NG	Method 29		
Unit_2-5-29_NG_Run1_Cont4	09/21/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 2 Run 1 NG	Method 29		
Unit_2-5-29_NG_Run1_Cont5A	09/21/22	250 ml	G	L	Method 29 IMP 4 - Unit 2 Run 1 NG	Method 29		
Unit_2-5-29_NG_Run1_Cont5B	09/21/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 2 Run 1 NG	Method 29		
Unit_2-5-29_NG_Run1_Cont5C	09/21/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 2 Run 1 NG	Method 29		
Unit_2-5-29_NG_Run2_Cont1	09/21/22	Petri	G	S	Method 5 Sample Filter - Unit 2 Run 2 NG	Method 5		
Unit_2-5-29_NG_Run2_Cont2	09/21/22	250 ml	G	L	Method 5 FHR - Unit 2 Run 2 NG	Method 5		

Relinquished by:	**Date/Time:** 9-28-22 19:45	**Relinquished by:**	**Date/Time:**
Received by:	**Date/Time:** 9-28-22 19:45	**Received by:**	**Date/Time:**

Remarks (*):

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AM-EMT-79_Rev 5.3 5/1/19

CHAIN OF CUSTODY RECORD

Project Name:	Georgia Power McIntosh ICR	**Project Manager:**	Jason Grizzle
Project No.:	491281	**TRC Office:**	AU4
Sampling Date(s):	9/14/22 to 09/15/22	**Phone No.:**	(720) 838-3857
Laboratory:	Testamerica	**PM Email:**	jgrizzle@trccompanies.com
Laboratory P.O.:	C491281		
Shipping Date(s):	09/28/22		
Shipper's Name:	TRC		

140-28983 Chain of Custody

Sample Code	Date Sampled	Container Size	Container G/P	MATRIX	Description	ANALYSIS	Box No.	Comments
Unit_1-5-29_NG_Run1_Cont1	09/14/22	Petri	G	S	Method 5 Sample Filter - Unit 1 Run 1 NG	Method 5		
Unit_1-5-29_NG_Run1_Cont2	09/14/22	250 ml	G	L	Method 5 FHR - Unit 1 Run 1 NG	Method 5		
Unit_1-5-29_NG_Run1_Cont3	09/14/22	250 ml	G	AQ	Method 29 FHR - Unit 1 Run 1 NG	Method 29		
Unit_1-5-29_NG_Run1_Cont4	09/14/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 1 Run 1 NG	Method 29		
Unit_1-5-29_NG_Run1_Cont5A	09/14/22	250 ml	G	L	Method 29 IMP 4 - Unit 1 Run 1 NG	Method 29		
Unit_1-5-29_NG_Run1_Cont5B	09/14/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 1 Run 1 NG	Method 29		
Unit_1-5-29_NG_Run1_Cont5C	09/14/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 1 Run 1 NG	Method 29		
Unit_1-5-29_NG_Run2_Cont1	09/14/22	Petri	G	S	Method 5 Sample Filter - Unit 1 Run 2 NG	Method 5		
Unit_1-5-29_NG_Run2_Cont2	09/14/22	250 ml	G	L	Method 5 FHR - Unit 1 Run 2 NG	Method 5		
Unit_1-5-29_NG_Run2_Cont3	09/14/22	250 ml	G	AQ	Method 29 FHR - Unit 1 Run 2 NG	Method 29		
Unit_1-5-29_NG_Run2_Cont4	09/14/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 1 Run 2 NG	Method 29		
Unit_1-5-29_NG_Run2_Cont5A	09/14/22	250 ml	G	L	Method 29 IMP 4 - Unit 1 Run 2 NG	Method 29		
Unit_1-5-29_NG_Run2_Cont5B	09/14/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 1 Run 2 NG	Method 29		
Unit_1-5-29_NG_Run2_Cont5C	09/14/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 1 Run 2 NG	Method 29		
Unit_1-5-29_NG_Run3_Cont1	09/15/22	Petri	G	S	Method 5 Sample Filter - Unit 1 Run 3 NG	Method 5		
Unit_1-5-29_NG_Run3_Cont2	09/15/22	250 ml	G	L	Method 5 FHR - Unit 1 Run 3 NG	Method 5		
Unit_1-5-29_NG_Run3_Cont3	09/15/22	250 ml	G	AQ	Method 29 FHR - Unit 1 Run 3 NG	Method 29		
Unit_1-5-29_NG_Run3_Cont4	09/15/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 1 Run 3 NG	Method 29		

Relinquished by:	**Date/Time:** 9-28-22 19:45	**Relinquished by:**	**Date/Time:**
Received by:	**Date/Time:** 9-28-22 19:45	**Received by:**	**Date/Time:**

Remarks (*):

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AM-EMT-79_Rev 5.3 5/1/19

CHAIN OF CUSTODY RECORD

Project Name:	Georgia Power McIntosh ICR	**Project Manager:**	Jason Grizzle
Project No.:	491281	**TRC Office:**	AU4
Sampling Date(s):	9/15/22 to 09/16/22	**Phone No.:**	(720) 838-3857
Laboratory:	Testamerica	**PM Email:**	jgrizzle@trccompanies.com
Laboratory P.O.:	C491281		
Shipping Date(s):	09/28/22		
Shipper's Name:	TRC		

Sample Code	Date Sampled	Container Size	Container G/P	MATRIX	Description	ANALYSIS	Box No.	Comments
Unit_1-5-29_NG_Run3_Cont5A	09/15/22	250 ml	G	L	Method 29 IMP 4 - Unit 1 Run 3 NG	Method 29		
Unit_1-5-29_NG_Run3_Cont5B	09/15/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 1 Run 3 NG	Method 29		
Unit_1-5-29_NG_Run3_Cont5C	09/15/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 1 Run 3 NG	Method 29		
Unit_1-5-29_NG_Run4_Cont1	09/15/22	Petri	G	S	Method 5 Sample Filter - Unit 1 Run 4 NG	Method 5		
Unit_1-5-29_NG_Run4_Cont2	09/15/22	250 ml	G	L	Method 5 FHR - Unit 1 Run 4 NG	Method 5		
Unit_1-5-29_NG_Run4_Cont3	09/15/22	250 ml	G	AQ	Method 29 FHR - Unit 1 Run 4 NG	Method 29		
Unit_1-5-29_NG_Run4_Cont4	09/15/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 1 Run 4 NG	Method 29		
Unit_1-5-29_NG_Run4_Cont5A	09/15/22	250 ml	G	L	Method 29 IMP 4 - Unit 1 Run 4 NG	Method 29		
Unit_1-5-29_NG_Run4_Cont5B	09/15/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 1 Run 4 NG	Method 29		
Unit_1-5-29_NG_Run4_Cont5C	09/15/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 1 Run 4 NG	Method 29		
Unit_1-5-29_NG_Run5_Cont1	09/15/22	Petri	G	S	Method 5 Sample Filter - Unit 1 Run 5 NG	Method 5		
Unit_1-5-29_NG_Run5_Cont2	09/15/22	250 ml	G	L	Method 5 FHR - Unit 1 Run 5 NG	Method 5		
Unit_1-5-29_NG_Run5_Cont3	09/15/22	250 ml	G	AQ	Method 29 FHR - Unit 1 Run 5 NG	Method 29		
Unit_1-5-29_NG_Run5_Cont4	09/15/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 1 Run 5 NG	Method 29		
Unit_1-5-29_NG_Run5_Cont5A	09/15/22	250 ml	G	L	Method 29 IMP 4 - Unit 1 Run 5 NG	Method 29		
Unit_1-5-29_NG_Run5_Cont5B	09/15/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 1 Run 5 NG	Method 29		
Unit_1-5-29_NG_Run5_Cont5C	09/15/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 1 Run 5 NG	Method 29		
Unit_1-5-29_NG_Run6_Cont1	09/16/22	Petri	G	S	Method 5 Sample Filter - Unit 1 Run 6 NG	Method 5		

Relinquished by:	**Date/Time:** 9-28-22 19:45	**Relinquished by:**	**Date/Time:**
Received by:	**Date/Time:** 9-28-22 19:45	**Received by:**	**Date/Time:**

Remarks (*):

TRC

AM-EMT-79_Rev 5.3 5/1/19

CHAIN OF CUSTODY RECORD

Project Name:	Georgia Power McIntosh ICR	**Project Manager:**	Jason Grizzle
Project No.:	491281	**TRC Office:**	AU4
Sampling Date(s):	9/16/22 to 09/17/22	**Phone No.:**	(720) 838-3857
Laboratory:	Testamerica	**PM Email:**	jgrizzle@trccompanies.com
Laboratory P.O.:	C491281		
Shipping Date(s):	09/28/22		
Shipper's Name:	TRC		

Sample Code	Date Sampled	Container Size	Container G/P	MATRIX	Description	ANALYSIS	Box No.	Comments
Unit_1-5-29_NG_Run6_Cont2	09/16/22	250 ml	G	L	Method 5 FHR - Unit 1 Run 6 NG	Method 5		
Unit_1-5-29_NG_Run6_Cont3	09/16/22	250 ml	G	AQ	Method 29 FHR - Unit 1 Run 6 NG	Method 29		
Unit_1-5-29_NG_Run6_Cont4	09/16/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 1 Run 6 NG	Method 29		
Unit_1-5-29_NG_Run6_Cont5A	09/16/22	250 ml	G	L	Method 29 IMP 4 - Unit 1 Run 6 NG	Method 29		
Unit_1-5-29_NG_Run6_Cont5B	09/16/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 1 Run 6 NG	Method 29		
Unit_1-5-29_NG_Run6_Cont5C	09/16/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 1 Run 6 NG	Method 29		
Unit_1-5-29_NG_Run7_Cont1	09/16/22	Petri	G	S	Method 5 Sample Filter - Unit 1 Run 7 NG	Method 5		
Unit_1-5-29_NG_Run7_Cont2	09/16/22	250 ml	G	L	Method 5 FHR - Unit 1 Run 7 NG	Method 5		
Unit_1-5-29_NG_Run7_Cont3	09/16/22	250 ml	G	AQ	Method 29 FHR - Unit 1 Run 7 NG	Method 29		
Unit_1-5-29_NG_Run7_Cont4	09/16/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 1 Run 7 NG	Method 29		
Unit_1-5-29_NG_Run7_Cont5A	09/16/22	250 ml	G	L	Method 29 IMP 4 - Unit 1 Run 7 NG	Method 29		
Unit_1-5-29_NG_Run7_Cont5B	09/16/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 1 Run 7 NG	Method 29		
Unit_1-5-29_NG_Run7_Cont5C	09/16/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 1 Run 7 NG	Method 29		
Unit_1-5-29_FO_Run1_Cont1	09/17/22	Petri	G	S	Method 5 Sample Filter - Unit 1 Run 1 FO	Method 5		
Unit_1-5-29_FO_Run1_Cont2	09/17/22	250 ml	G	L	Method 5 FHR - Unit 1 Run 1 FO	Method 5		
Unit_1-5-29_FO_Run1_Cont3	09/17/22	250 ml	G	AQ	Method 29 FHR - Unit 1 Run 1 FO	Method 29		
Unit_1-5-29_FO_Run1_Cont4	09/17/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 1 Run 1 FO	Method 29		
Unit_1-5-29_FO_Run1_Cont5A	09/17/22	250 ml	G	L	Method 29 IMP 4 - Unit 1 Run 1 FO	Method 29		

Relinquished by:	Date/Time: 9-28-22 19:-	**Relinquished by:**	Date/Time: 19:45 9-28-22	
Received by:	Date/Time: 9-28-22 19:45	**Received by:**	Date/Time:	
Remarks (*):				

TRC

AM-EMT-79_Rev 5.3 5/1/19

CHAIN OF CUSTODY RECORD

Project Name:	Georgia Power McIntosh ICR	Project Manager:	Jason Grizzle
Project No.:	491281	TRC Office:	AU4
Sampling Date(s):	9/20/22 to 09/21/22	Phone No.:	(720) 838-3857
Laboratory:	Testamerica	PM Email:	jgrizzle@trccompanies.com
Laboratory P.O.:	C491281		
Shipping Date(s):	09/28/22		
Shipper's Name:	TRC		

Sample Code	Date Sampled	Container Size	Container G/P	MATRIX	Description	ANALYSIS	Box No.	Comments
Unit_1-5-29_FO_Run6_Cont5B	09/20/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 1 Run 6 FO	Method 29		
Unit_1-5-29_FO_Run6_Cont5C	09/20/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 1 Run 6 FO	Method 29		
Unit_1-5-29_FO_Run7_Cont1	09/20/22	Petri	G	S	Method 5 Sample Filter - Unit 1 Run 7 FO	Method 5		
Unit_1-5-29_FO_Run7_Cont2	09/20/22	250 ml	G	L	Method 5 FHR - Unit 1 Run 7 FO	Method 5		
Unit_1-5-29_FO_Run7_Cont3	09/20/22	250 ml	G	AQ	Method 29 FHR - Unit 1 Run 7 FO	Method 29		
Unit_1-5-29_FO_Run7_Cont4	09/20/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 1 Run 7 FO	Method 29		
Unit_1-5-29_FO_Run7_Cont5A	09/20/22	250 ml	G	L	Method 29 IMP 4 - Unit 1 Run 7 FO	Method 29		
Unit_1-5-29_FO_Run7_Cont5B	09/20/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 1 Run 7 FO	Method 29		
Unit_1-5-29_FO_Run7_Cont5C	09/20/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 1 Run 7 FO	Method 29		
Unit_2-5-29_NG_Run1_Cont1	09/21/22	Petri	G	S	Method 5 Sample Filter - Unit 2 Run 1 NG	Method 5		
Unit_2-5-29_NG_Run1_Cont2	09/21/22	250 ml	G	L	Method 5 FHR - Unit 2 Run 1 NG	Method 5		
Unit_2-5-29_NG_Run1_Cont3	09/21/22	250 ml	G	AQ	Method 29 FHR - Unit 2 Run 1 NG	Method 29		
Unit_2-5-29_NG_Run1_Cont4	09/21/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 2 Run 1 NG	Method 29		
Unit_2-5-29_NG_Run1_Cont5A	09/21/22	250 ml	G	L	Method 29 IMP 4 - Unit 2 Run 1 NG	Method 29		
Unit_2-5-29_NG_Run1_Cont5B	09/21/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 2 Run 1 NG	Method 29		
Unit_2-5-29_NG_Run1_Cont5C	09/21/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 2 Run 1 NG	Method 29		
Unit_2-5-29_NG_Run2_Cont1	09/21/22	Petri	G	S	Method 5 Sample Filter - Unit 2 Run 2 NG	Method 5		
Unit_2-5-29_NG_Run2_Cont2	09/21/22	250 ml	G	L	Method 5 FHR - Unit 2 Run 2 NG	Method 5		
Relinquished by: [signature]		Date/Time: 9-28-22/19:45			Relinquished by:		Date/Time:	
Received by:		Date/Time:			Received by:		Date/Time:	
Remarks (*):								

TRC

AM-EMT-79 Rev 5 3 5 1 19

CHAIN OF CUSTODY RECORD

Project Name:	Georgia Power Mcintosh ICR	**Project Manager:**	Jason Grizzle
Project No.:	491281	**TRC Office:**	AU4
Sampling Date(s):	9/21/22 to 09/22/22	**Phone No.:**	(720) 838-3857
Laboratory:	Testamerica	**PM Email:**	jgrizzle@trccompanies.com
Laboratory P.O.:	C491281		
Shipping Date(s):	09/28/22		
Shipper's Name:	TRC		

Sample Code	Date Sampled	Container Size	Container G/P	MATRIX	Description	ANALYSIS	Box No.	Comments
Unit_2-5-29_NG_Run2_Cont3	09/21/22	250 ml	G	AQ	Method 29 FHR - Unit 2 Run 2 NG	Method 29		
Unit_2-5-29_NG_Run2_Cont4	09/21/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 2 Run 2 NG	Method 29		
Unit_2-5-29_NG_Run2_Cont5A	09/21/22	250 ml	G	L	Method 29 IMP 4 - Unit 2 Run 2 NG	Method 29		
Unit_2-5-29_NG_Run2_Cont5B	09/21/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 2 Run 2 NG	Method 29		
Unit_2-5-29_NG_Run2_Cont5C	09/21/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 2 Run 2 NG	Method 29		
Unit_2-5-29_NG_Run3_Cont1	09/22/22	Petri	G	S	Method 5 Sample Filter - Unit 2 Run 3 NG	Method 5		

Relinquished by:	Date/Time: 9-28-22 19:45	**Relinquished by:**	**Date/Time:**
Received by:	**Date/Time:**	**Received by:**	**Date/Time:**
Remarks (*):			

TRC

AM-EMT-79_Rev 5.3 5/1/19

CHAIN OF CUSTODY RECORD

roject Name: Georgia Power McIntosh ICR
roject No.: 491281
ampling Date(s): 9/21/22 to 09/27/22
aboratory: Testamerica
aboratory P.O.: C491281
hipping Date(s): 09/28/22
hipper's Name: TRC

Project Manager: Jason Grizzle
TRC Office: AU4
Phone No.: (720) 838-3857
PM Email: jgrizzle@trccompanies.com

Sample Code	Date Sampled	Container Size	Container G/P	MATRIX	Description	ANALYSIS	Box No.	Comments
Unit_2-5-29_NG_Run3_Cont2	09/22/22	250 ml	G	L	Method 5 FHR - Unit 2 Run 3 NG	Method 5		
Unit_2-5-29_NG_Run3_Cont3	09/22/22	250 ml	G	AQ	Method 29 FHR - Unit 2 Run 3 NG	Method 29		
Unit_2-5-29_NG_Run3_Cont4	09/22/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 2 Run 3 NG	Method 29		
Unit_2-5-29_NG_Run3_Cont5A	09/22/22	250 ml	G	L	Method 29 IMP 4 - Unit 2 Run 3 NG	Method 29		
Unit_2-5-29_NG_Run3_Cont5B	09/22/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 2 Run 3 NG	Method 29		
Unit_2-5-29_NG_Run3_Cont5C	09/22/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 2 Run 3 NG	Method 29		
FTB-5-29_NG__Cont1	09/21/22	Petri	G	S	Method 5 Sample Filter - Field Train Blank NG	Method 5		
FTB-5-29_NG__Cont2	09/21/22	250 ml	G	L	Method 5 FHR - Field Train Blank NG	Method 5		
FTB-5-29_NG__Cont3	09/21/22	250 ml	G	AQ	Method 29 FHR - Field Train Blank NG	Method 29		
FTB-5-29_NG__Cont4	09/21/22	1000 ml	G	L	Method 29 IMP 1-3 - Field Train Blank NG	Method 29		
FTB-5-29_NG__Cont5A	09/21/22	250 ml	G	L	Method 29 IMP 4 - Field Train Blank NG	Method 29		
FTB-5-29_NG__Cont5B	09/21/22	500 ml	G	L	Method 29 IMP 5-6 - Field Train Blank NG	Method 29		
FTB-5-29_NG__Cont5C	09/21/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Field Train Blank NG	Method 29		
FTB-5-29_FO__Cont1	09/27/22	Petri	G	S	Method 5 Sample Filter - Field Train Blank FO	Method 5		
FTB-5-29_FO__Cont2	09/27/22	250 ml	G	L	Method 5 FHR - Field Train Blank FO	Method 5		
FTB-5-29_FO__Cont3	09/27/22	250 ml	G	AQ	Method 29 FHR - Field Train Blank FO	Method 29		
FTB-5-29_FO__Cont4	09/27/22	1000 ml	G	L	Method 29 IMP 1-3 - Field Train Blank FO	Method 29		
FTB-5-29_FO__Cont5A	09/27/22	250 ml	G	L	Method 29 IMP 4 - Field Train Blank FO	Method 29		

Relinquished by: [signature] Date/Time: 9-29-22 19:45 Relinquished by: Date/Time:

Received by: Date/Time: Received by: Date/Time:

Remarks (*):

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AM-EMT-79_Rev 5.3 5/1/19

CHAIN OF CUSTODY RECORD

Project Name:	Georgia Power McIntosh ICR	Project Manager:	Jason Grizzle
Project No.:	491281	TRC Office:	AU4
Sampling Date(s):	9/22/22 to 09/27/22	Phone No.:	(720) 838-3857
Laboratory:	Testamerica	PM Email:	jgrizzle@trccompanies.com
Laboratory P.O.:	C491281		
Shipping Date(s):	09/28/22		
Shipper's Name:	TRC		

Sample Code	Date Sampled	Container Size	Container G/P	MATRIX	Description	ANALYSIS	Box No.	Comments
TB-5-29_FO__Cont5B	09/27/22	500 ml	G	L	Method 29 IMP 5-6 - Field Train Blank FO	Method 29		
TB-5-29_FO__Cont5C	09/27/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Field Train Blank FO	Method 29		
Init_2-5-29_NG_Run4_Cont1	09/22/22	Petri	G	S	Method 5 Sample Filter - Unit 2 Run 4 NG	Method 5		
Init_2-5-29_NG_Run4_Cont2	09/22/22	250 ml	G	L	Method 5 FHR - Unit 2 Run 4 NG	Method 5		
Init_2-5-29_NG_Run4_Cont3	09/22/22	250 ml	G	AQ	Method 29 FHR - Unit 2 Run 4 NG	Method 29		
Init_2-5-29_NG_Run4_Cont4	09/22/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 2 Run 4 NG	Method 29		
Init_2-5-29_NG_Run4_Cont5A	09/22/22	250 ml	G	L	Method 29 IMP 4 - Unit 2 Run 4 NG	Method 29		
Init_2-5-29_NG_Run4_Cont5B	09/22/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 2 Run 4 NG	Method 29		
Init_2-5-29_NG_Run4_Cont5C	09/22/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 2 Run 4 NG	Method 29		
Init_2-5-29_NG_Run5_Cont1	09/22/22	Petri	G	S	Method 5 Sample Filter - Unit 2 Run 5 NG	Method 5		
Init_2-5-29_NG_Run5_Cont2	09/22/22	250 ml	G	L	Method 5 FHR - Unit 2 Run 5 NG	Method 5		
Init_2-5-29_NG_Run5_Cont3	09/22/22	250 ml	G	AQ	Method 29 FHR - Unit 2 Run 5 NG	Method 29		
Init_2-5-29_NG_Run5_Cont4	09/22/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 2 Run 5 NG	Method 29		
Init_2-5-29_NG_Run5_Cont5A	09/22/22	250 ml	G	L	Method 29 IMP 4 - Unit 2 Run 5 NG	Method 29		
Unit_2-5-29_NG_Run5_Cont5B	09/22/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 2 Run 5 NG	Method 29		
Unit_2-5-29_NG_Run5_Cont5C	09/22/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 2 Run 5 NG	Method 29		
Unit_2-5-29_FO_Run1_Cont1	09/26/22	Petri	G	S	Method 5 Sample Filter - Unit 2 Run 1 FO	Method 5		
Unit_2-5-29_FO_Run1_Cont2	09/26/22	250 ml	G	L	Method 5 FHR - Unit 2 Run 1 FO	Method 5		

Relinquished by:	Date/Time: 9-28-22 19:45	Relinquished by:	Date/Time:
Received by:	Date/Time:	Received by:	Date/Time:

Remarks (*):

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AM-EMT-79_Rev 5.3 5/1/19

CHAIN OF CUSTODY RECORD

roject Name: Georgia Power McIntosh ICR
roject No.: 491281
ampling Date(s): 9/26/22 to 09/27/22
aboratory: Testamerica
aboratory P.O.: C491281
hipping Date(s): 09/28/22
hipper's Name: TRC

Project Manager: Jason Grizzle
TRC Office: AU4
Phone No.: (720) 838-3857
PM Email: jgrizzle@trccompanies.com

Sample Code	Date Sampled	Container Size	Container G/P	MATRIX	Description	ANALYSIS	Box No.	Comments
nit_2-5-29_FO_Run1_Cont3	09/26/22	250 ml	G	AQ	Method 29 FHR - Unit 2 Run 1 FO	Method 29		
nit_2-5-29_FO_Run1_Cont4	09/26/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 2 Run 1 FO	Method 29		
Init_2-5-29_FO_Run1_Cont5A	09/26/22	250 ml	G	L	Method 29 IMP 4 - Unit 2 Run 1 FO	Method 29		
Init_2-5-29_FO_Run1_Cont5B	09/26/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 2 Run 1 FO	Method 29		
Init_2-5-29_FO_Run1_Cont5C	09/26/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 2 Run 1 FO	Method 29		
Init_2-5-29_FO_Run2_Cont1	09/26/22	Petri	G	S	Method 5 Sample Filter - Unit 2 Run 2 FO	Method 5		
Init_2-5-29_FO_Run2_Cont2	09/26/22	250 ml	G	L	Method 5 FHR - Unit 2 Run 2 FO	Method 5		
Init_2-5-29_FO_Run2_Cont3	09/26/22	250 ml	G	AQ	Method 29 FHR - Unit 2 Run 2 FO	Method 29		
Init_2-5-29_FO_Run2_Cont4	09/26/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 2 Run 2 FO	Method 29		
Init_2-5-29_FO_Run2_Cont5A	09/26/22	250 ml	G	L	Method 29 IMP 4 - Unit 2 Run 2 FO	Method 29		
Init_2-5-29_FO_Run2_Cont5B	09/26/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 2 Run 2 FO	Method 29		
Init_2-5-29_FO_Run2_Cont5C	09/26/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 2 Run 2 FO	Method 29		
Init_2-5-29_FO_Run3_Cont1	09/27/22	Petri	G	S	Method 5 Sample Filter - Unit 2 Run 3 FO	Method 5		
Init_2-5-29_FO_Run3_Cont2	09/27/22	250 ml	G	L	Method 5 FHR - Unit 2 Run 3 FO	Method 5		
Init_2-5-29_FO_Run3_Cont3	09/27/22	250 ml	G	AQ	Method 29 FHR - Unit 2 Run 3 FO	Method 29		
Init_2-5-29_FO_Run3_Cont4	09/27/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 2 Run 3 FO	Method 29		
Init_2-5-29_FO_Run3_Cont5A	09/27/22	250 ml	G	L	Method 29 IMP 4 - Unit 2 Run 3 FO	Method 29		
Unit_2-5-29_FO_Run3_Cont5B	09/27/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 2 Run 3 FO	Method 29		

Relinquished by: [signature] Date/Time: 9-29-22 19:45 Relinquished by: Date/Time:

Received by: Date/Time: Received by: Date/Time:

Remarks (*):

TRC

CHAIN OF CUSTODY RECORD

Project Name:	Georgia Power McIntosh ICR	**Project Manager:**	Jason Grizzle
Project No.:	491281	**TRC Office:**	AU4
Sampling Date(s):	9/27/22 to 09/27/22	**Phone No.:**	(720) 838-3857
Laboratory:	Testamerica	**PM Email:**	jgrizzle@trccompanies.com
Laboratory P.O.:	C491281		
Shipping Date(s):	09/28/22		
Shipper's Name:	TRC		

Sample Code	Date Sampled	Container Size	Container G/P	MATRIX	Description	ANALYSIS	Box No.	Comments
Unit_2-5-29_FO_Run3_Cont5C	09/27/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 2 Run 3 FO	Method 29		
Unit_2-5-29_FO_Run4_Cont1	09/27/22	Petri	G	S	Method 5 Sample Filter - Unit 2 Run 4 FO	Method 5		
Unit_2-5-29_FO_Run4_Cont2	09/27/22	250 ml	G	L	Method 5 FHR - Unit 2 Run 4 FO	Method 5		
Unit_2-5-29_FO_Run4_Cont3	09/27/22	250 ml	G	AQ	Method 29 FHR - Unit 2 Run 4 FO	Method 29		
Unit_2-5-29_FO_Run4_Cont4	09/27/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 2 Run 4 FO	Method 29		
Unit_2-5-29_FO_Run4_Cont5A	09/27/22	250 ml	G	L	Method 29 IMP 4 - Unit 2 Run 4 FO	Method 29		

Relinquished by:	Date/Time: 9-28-22 19:45	**Relinquished by:**	**Date/Time:**
Received by:	**Date/Time:**	**Received by:**	**Date/Time:**

Remarks (*):

TRC

AM-EMT-79_Rev 5.3 5/1/19

CHAIN OF CUSTODY RECORD

Project Name:	Georgia Power McIntosh ICR	**Project Manager:**	Jason Grizzle
Project No.:	491281	**TRC Office:**	AU4
Sampling Date(s):	9/27/22 to 09/27/22	**Phone No.:**	(720) 838-3857
Laboratory:	Testamerica	**PM Email:**	jgrizzle@trccompanies.com
Laboratory P.O.:	C491281		
Shipping Date(s):	09/28/22		
Shipper's Name:	TRC		

Sample Code	Date Sampled	Container Size	Container G/P	MATRIX	Description	ANALYSIS	Box No.	Comments
Unit_2-5-29_FO_Run4_Cont5B	09/27/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 2 Run 4 FO	Method 29		
Unit_2-5-29_FO_Run4_Cont5C	09/27/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 2 Run 4 FO	Method 29		
Unit_2-5-29_FO_Run5_Cont1	09/27/22	Petri	G	S	Method 5 Sample Filter - Unit 2 Run 5 FO	Method 5		
Unit_2-5-29_FO_Run5_Cont2	09/27/22	250 ml	G	L	Method 5 FHR - Unit 2 Run 5 FO	Method 5		
Unit_2-5-29_FO_Run5_Cont3	09/27/22	250 ml	G	AQ	Method 29 FHR - Unit 2 Run 5 FO	Method 29		
Unit_2-5-29_FO_Run5_Cont4	09/27/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 2 Run 5 FO	Method 29		
Unit_2-5-29_FO_Run5_Cont5A	09/27/22	250 ml	G	L	Method 29 IMP 4 - Unit 2 Run 5 FO	Method 29		
Unit_2-5-29_FO_Run5_Cont5B	09/27/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 2 Run 5 FO	Method 29		
Unit_2-5-29_FO_Run5_Cont5C	09/27/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 2 Run 5 FO	Method 29		

Relinquished by:	Date/Time: 9-28-22 19:45	**Relinquished by:**	**Date/Time:**	
Received by:	Date/Time: 09.28.22 1945	**Received by:**	**Date/Time:**	

Remarks (*):

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AM-EMT-79_Rev 5.3 5/1/19

Filterable Particulate Sample Analysis Summary

Project#:	**491281**	Unit ID:	**CT Unit 1 FO**
Company:	**Georgia Power**	Location:	**Exhaust**
Plant:	**McIntosh Plant**	Test Date(s):	9/17/2022

Filterable PM	Run 1	Run 2	Run 3	Run 4	Blank
Filter material collected in acetone rinse?	N	N	N	N	
Filter final - Filter tare (mg):	-0.26	0.32	-0.11	-3.10	
Rinse volume, V_{aw}, (ml):	0.1	0.1	0.1	0.1	0.1
Rinse final - Rinse tare, m_a, (mg):	0.80	1.28	1.58	0.84	
Rinse blank correction, W_a (mg)**:	0.00	0.00	0.00	0.00	
Total rinse mass (mg):	0.80	1.28	1.58	0.84	
***Total Filterable PM, m_n, (milligrams):**	**1.30**	**1.60**	**2.08**	**1.34**	

***** If filter material was recovered in the acetone rinse, and the sum of the filter weight increase and the total rinse mass is ≥ zero, subsequent calculations are performed using that value.

***** If filter material was recovered in the acetone rinse, and the sum of the filter weight increase and the total rinse mass is < zero, subsequent calculations are performed using a value of 1 mg

* If filter material was not recovered in the acetone rinse, and the result from the lab for either fraction is < zero, subsequent calculations are performed using a value of 0.5 mg for that fraction

** - the maximum allowable blank correction is 0.0079 mg/ml

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Filterable Particulate Sample Analysis Summary

Project#:	**491281**	Unit ID:	**CT Unit 1 FO**
Company:	**Georgia Power**	Location:	**Exhaust**
Plant:	**McIntosh Plant**	Test Date(s):	9/19/2022

You must select Y or N for each Run in Row 9

Filterable PM	Run 5	Run 6	Run 7	Run 4	Blank
Filter material collected in acetone rinse?	N	N	N		
Filter final - Filter tare (mg):	-0.14	-2.30	0.65	-	
Rinse volume, V_{aw}, (ml):	0.1	0.1	0.1	-	0.1
Rinse final - Rinse tare, m_a, (mg):	1.64	1.14	1.63	-	0.0
Rinse blank correction, W_a (mg)**:	0.00	0.00	0.00	-	
Total rinse mass (mg):	1.64	1.14	1.63	-	
***Total Filterable PM, m_n, (milligrams):**	**2.14**	**1.64**	**2.28**	**-**	

***** If filter material was recovered in the acetone rinse, and the sum of the filter weight increase and the total rinse mass is > zero, subsequent calculations are performed using that value.

***** If filter material was recovered in the acetone rinse, and the sum of the filter weight increase and the total rinse mass is < zero, subsequent calculations are performed using a value of 1 mg

* If filter material was not recovered in the acetone rinse, and the result from the lab for either fraction is < zero, subsequent calculations are performed using a value of 0.5 mg for that fraction

** - the maximum allowable blank correction is 0.0079 mg/ml

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Method 29 Sample Analysis Summary

Project#:	**491281**	Unit ID:	**CT Unit 1 FO**
Company:	**Georgia Power**	Location:	**Exhaust**
Plant:	**McIntosh Plant**	Test Date(s):	**September 17, 2022**

Filter Diameter (mm): 82 (NuTech)

Gross front-half metals

	Run 1	Run 2	Run 3	Run 4	Reagent Blank
Ag (ug)	-	-	-	-	-
As (µg)	< 1.78	< 1.78	< 1.78	< 1.78	< 0.00
Ba (µg)	-	-	-	-	
Be (µg)	< 0.02	< 0.02	< 0.02	< 0.02	< 0.00
Cd (µg)	< 0.28	< 0.28	< 0.28	< 0.28	< 0.00
Cr (µg)	5.27	4.86	5.67	5.58	< 0.00
Co (µg)	< 2.00	< 2.00	< 2.00	< 2.00	< 0.00
Cu (µg)	-	-	-	-	-
1B Hg (µg)	< 0.08	< 0.08	< 0.08	< 0.08	< 0.00
Mn (µg)	1.17	0.94	2.03	1.46	< 0.00
Ni (µg)	1.54	1.33	1.28	1.51	< 0.00
P (µg)	-	-	-	-	-
Pb (µg)	< 0.94	< 0.94	< 0.94	< 0.94	< 0.00
Sb (µg)	< 1.10	1.30	1.34	1.53	< 0.00
Se (µg)	< 1.32	< 1.32	< 1.32	< 1.32	< 0.00
Tl (µg)	-	-	-	-	-
Zn (µg)	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-

"<" indicates that the mass of a metal in the sample was below the laboratory analytical detection limit

Blank-corrected front-half metals

	Run 1	Run 2	Run 3	Run 4
Ag (µg)	-	-	-	-
As (µg)	1.78 *	1.78 *	1.78 *	1.78 *
Ba (µg)	-	-	-	-
Be (µg)	0.02 *	0.02 *	0.02 *	0.02 *
Cd (µg)	0.28 *	0.28 *	0.28 *	0.28 *
Cr (µg)	5.27	4.86	5.67	5.58
Co (µg)	2.00 *	2.00 *	2.00 *	2.00 *
Cu (µg)	-	-	-	-
1B Hg (µg)	N/A *	N/A *	N/A *	N/A *
Mn (µg)	1.17	0.94	2.03	1.46
Ni (µg)	1.54	1.33	1.28	1.51
P (µg)	-	-	-	-
Pb (µg)	0.94 *	0.94 *	0.94 *	0.94 *
Sb (µg)	1.10 *	1.30	1.34	1.53
Se (µg)	1.32 *	1.32 *	1.32 *	1.32 *
Tl (µg)	-	-	-	-
Zn (µg)	-	-	-	-
-	-	-	-	-
-	-	-	-	-

* If a "Gross" Run value was below the detection limit, subsequent calculations used the detection limit
If a Reagent Blank value was below the detection limit, subsequent calculations used a value of 0.0

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Method 29 Sample Analysis Summary

FSR#:	**491281**	Unit ID:	**CT Unit 1 FO**
Company:	**Georgia Power**	Location:	**Exhaust**
Plant:	**McIntosh Plant**	Test Date(s):	**September 17, 2022**

You must select an option in cell J54 & J55 for this sheet to function

Gross Back-half metals

	Run 1	Run 2	Run 3	Run 4	Reagent Blank
Ag (µg)	-	-	-	-	`
As (µg)	< 0.18	< 0.18	< 0.18	< 0.18	< 0.00
Ba (µg)	-	-	-	-	-
Be (µg)	< 0.05	< 0.05	< 0.05	< 0.05	< 0.00
Cd (µg)	0.02	0.09	< 0.02	0.02	< 0.00
Cr (µg)	0.88	0.55	1.10	0.57	< 0.00
Co (µg)	< 0.10	< 0.10	< 0.10	< 0.10	< 0.00
Cu (µg)		-	-	-	-
2B Hg (µg)	< 0.12	< 0.12	< 0.12	< 0.12	< 0.00
3A Hg (µg)	< 0.12	< 0.12	< 0.12	< 0.12	< 0.00
3B Hg (µg)	< 0.05	< 0.05	< 0.05	< 0.05	< 0.00
3C Hg (µg)	< 0.12	< 0.12	< 0.13	< 0.12	< 0.00
Mn (µg)	1.53	11.60	2.82	9.12	< 0.00
Ni (µg)	0.39	0.58	0.34	0.28	< 0.00
P (µg)	-	-	-	-	-
Pb (µg)	< 0.48	< 0.48	< 0.48	< 0.48	< 0.00
Sb (µg)	< 0.84	< 0.84	< 0.84	< 0.84	< 0.00
Se (µg)	0.43	1.53	< 0.39	0.98	< 0.00
Tl (µg)	-	-	-	-	-
Zn (µg)	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-

"<" indicates that the mass of a metal in the sample was below the laboratory analytical detection limit

Blank-corrected back-half metals

	Run 1	Run 2	Run 3	Run 4
Ag (µg)	-	-	-	-
As (µg)	0.18 *	0.18 *	0.18 *	0.18 *
Ba (µg)	-	-	-	-
Be (µg)	0.05 *	0.05 *	0.05 *	0.05 *
Cd (µg)	0.02	0.09	0.02 *	0.02
Cr (µg)	0.88	0.55	1.10	0.57
Co (µg)	0.10 *	0.10 *	0.10 *	0.10 *
Cu (µg)	0.00	-	-	-
Total Hg (front and back) (µg)	0.49	0.49	0.50	0.50
Mn (µg)	1.53	11.60	2.82	9.12
Ni (µg)	0.39	0.58	0.34	0.28
P (µg)	-	-	-	-
Pb (µg)	0.48 *	0.48 *	0.48 *	0.48 *
Sb (µg)	0.84 *	0.84 *	0.84 *	0.84 *
Se (µg)	0.43	1.53	0.39 *	0.98
Tl (µg)	-	-	-	-
Zn (µg)	-	-	-	-
-	-	-	-	-
-	-	-	-	-

* If a "Gross" Run value was below the detection limit, subsequent calculations used the detection limit

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Method 29 Sample Analysis Summary

Project#:	**491281**	Unit ID:	**CT Unit 1 FO**
Company:	**Georgia Power**	Location:	**Exhaust**
Plant:	**McIntosh Plant**	Test Date(s):	**September 19, 2022**

Filter Diameter (mm): 82 (NuTech)

Gross front-half metals

	Run 5	Run 6	Run 7	Run 4	Reagent Blank
Ag (ug)	-	-	-	-	-
As (µg)	< 1.78	< 1.78	< 1.78	-	< 0.00
Ba (µg)	-	-	-	-	-
Be (µg)	< 0.02	< 0.02	< 0.02	-	< 0.00
Cd (µg)	< 0.28	< 0.28	< 0.28	-	< 0.00
Cr (µg)	5.34	4.20	4.78	-	-
Co (µg)	< 2.00	< 2.00	< 2.00	-	< 0.00
Cu (µg)	-	-	-	-	-
1B Hg (µg)	< 0.08	< 0.08	< 0.08	-	< 0.00
Mn (µg)	1.48	0.91	1.12	-	< 0.00
Ni (µg)	1.64	0.98	0.99	-	< 0.00
P (µg)	-	-	-	-	-
Pb (µg)	< 0.94	< 0.94	< 0.94	-	< 0.00
Sb (µg)	1.31	1.19	1.36	-	-
Se (µg)	< 1.32	< 1.32	< 1.32	-	< 0.00
Tl (µg)	-	-	-	-	-
Zn (µg)	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-

"<" indicates that the mass of a metal in the sample was below the laboratory analytical detection limit

Blank-corrected front-half metals

	Run 5	Run 6	Run 7	Run 4
Ag (µg)	-	-	-	-
As (µg)	1.78 *	1.78 *	1.78 *	-
Ba (µg)	-	-	-	-
Be (µg)	0.02 *	0.02 *	0.02 *	-
Cd (µg)	0.28 *	0.28 *	0.28 *	-
Cr (µg)	0.00	0.00	0.00	-
Co (µg)	2.00 *	2.00 *	2.00 *	-
Cu (µg)	-	-	-	-
1B Hg (µg)	N/A *	N/A *	N/A *	N/A
Mn (µg)	1.48	0.91	1.12	-
Ni (µg)	1.64	0.98	0.99	-
P (µg)	-	-	-	-
Pb (µg)	0.94 *	0.94 *	0.94 *	-
Sb (µg)	0.00	0.00	0.00	-
Se (µg)	1.32 *	1.32 *	1.32 *	-
Tl (µg)	-	-	-	-
Zn (µg)	-	-	-	-
-	-	-	-	-
-	-	-	-	-

* If a "Gross" Run value was below the detection limit, subsequent calculations used the detection limit
If a Reagent Blank value was below the detection limit, subsequent calculations used a value of 0.0

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Method 29 Sample Analysis Summary

FSR#:	**491281**	Unit ID:	**CT Unit 1 FO**
Company:	**Georgia Power**	Location:	**Exhaust**
Plant:	**McIntosh Plant**	Test Date(s):	**September 19, 2022**

You must select an option in cell J54 & J55 for this sheet to function

Gross Back-half metals

	Run 5	Run 6	Run 7	Run 4	Reagent Blank
Ag (µg)	-	-	-	-	`
As (µg)	< 0.18	< 0.18	< 0.18	-	< 0.00
Ba (µg)	-	-	-	-	-
Be (µg)	< 0.05	< 0.05	< 0.05	-	< 0.00
Cd (µg)	0.02	0.11	< 0.02	-	< 0.00
Cr (µg)	0.87	0.94	0.41	-	< 0.00
Co (µg)	< 0.10	< 0.10	< 0.10	-	< 0.00
Cu (µg)	-	-	-	-	-
2B Hg (µg)	< 0.12	< 0.12	< 0.12	-	< 0.00
3A Hg (µg)	< 0.12	< 0.12	< 0.12	-	< 0.00
3B Hg (µg)	< 0.05	< 0.05	< 0.05	-	< 0.00
3C Hg (µg)	< 0.13	< 0.11	< 0.12	-	< 0.00
Mn (µg)	2.14	3.43	0.87	-	< 0.00
Ni (µg)	0.39	0.34	0.30	-	< 0.00
P (µg)	-	-	-	-	-
Pb (µg)	< 0.48	< 0.48	< 0.48	-	< 0.00
Sb (µg)	< 0.84	< 0.84	< 0.84	-	< 0.00
Se (µg)	< 0.39	0.39	< 0.39	-	< 0.00
Tl (µg)	-	-	-	-	-
Zn (µg)	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-

"<" indicates that the mass of a metal in the sample was below the laboratory analytical detection limit

Blank-corrected back-half metals

	Run 5	Run 6	Run 7	Run 4
Ag (µg)	-	-	-	-
As (µg)	0.18 *	0.18 *	0.18 *	-
Ba (µg)	-	-	-	-
Be (µg)	0.05 *	0.05 *	0.05 *	-
Cd (µg)	0.02	0.11	0.02 *	-
Cr (µg)	0.87	0.94	0.41	-
Co (µg)	0.10 *	0.10 *	0.10 *	-
Cu (µg)	-	-	-	-
Total Hg (front and back) (µg)	0.50	0.48	0.50	-
Mn (µg)	2.14	3.43	0.87	-
Ni (µg)	0.39	0.34	0.30	-
P (µg)	-	-	-	-
Pb (µg)	0.48 *	0.48 *	0.48 *	-
Sb (µg)	0.84 *	0.84 *	0.84 *	-
Se (µg)	0.39 *	0.39	0.39 *	-
Tl (µg)	-	-	-	-
Zn (µg)	-	-	-	-
-	-	-	-	-
-	-	-	-	-

* If a "Gross" Run value was below the detection limit, subsequent calculations used the detection limit

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ANALYTICAL REPORT

Eurofins Knoxville
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Knoxville, TN 37921
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Laboratory Job ID: 140-28988-1
Client Project/Site: Georgia Power Mcintosh ICR-Unit 1 FO-M5/29

For:
TRC Environmental Corporation
3800 Colonnade
Suite 175
Birmingham, Alabama 35243

Attn: Jon Howard

Authorized for release by:
10/19/2022 5:32:56 PM

Courtney Adkins, Project Manager II
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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: TRC Environmental Corporation
Job ID: 140-28988-1
Project/Site: Georgia Power Mcintosh ICR-Unit 1 FO-M5/29

Qualifiers

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 140-28988-1

Laboratory: Eurofins Knoxville

Narrative

Job Narrative
140-28988-1

Receipt

The samples were received on 9/28/2022 7:45 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 19.1° C.

Receipt Exceptions

Both the COC and label list the container as10, HNO3-H2O2 reagent blank should be container 9, Logged as container 9.BLANK_HNO3-H2O2_CONT 9 (140-28988-53)

Metals

Multi-Metals Train Preparation and Analysis

These stack gas samples were prepared and analyzed using Eurofins TestAmerica Knoxville standard operating procedure KNOX-MT-0006 which is based on EPA SW-846 Method 0060, "Determination of Metals in Stack Emissions" and Method 29, "Determination of Metals Emissions from Stationary Sources". SW-846 Methods 6010C and 7470A as incorporated in Eurofins TestAmerica Knoxville standard operating procedures KNOX-MT-0007 and KNOX-MT-0009 were used to perform the final instrument analysis.

Acid digestion was performed on the front half particulate filter and the acetone and nitric acid probe rinse fractions separately using HNO3 and HF. After digestion, the HF was sequestered using H3BO3 followed by another heating cycle. These digestates were combined, adjusted to final volume and analyzed by ICP. A portion of the ICP digestate was prepared for CVAA analysis in order to determine the particle-bound mercury. Results were calculated using the following equations:

ICP Analyte, µg/sample = (Raw Sample Concentration, µg/L) x (Bench DF) x (Final Volume ICP Digestate, L)

Hg, µg/sample = (Raw Sample Concentration, µg/L) x (Bench DF) x (Final Volume ICP Digestate, L) x (Final Volume Hg Digestate, mL / Volume ICP Digestate Used, mL)

The 5%HNO3/10%H2O2 impinger samples were reduced in volume to 100 mL. A 20 milliliter portion of the concentrated sample was removed and processed for mercury. The remaining 80 mL of concentrated sample was digested using HNO3 and H2O2, adjusted to a final volume of 80 mL, and analyzed by ICP. Results were calculated using the following equations:

ICP Analyte, µg/sample = (Raw Sample Concentration, µg/L) x (Bench DF) x (Final Volume Concentrated Sample, L) x (Final Volume ICP Digestate, mL / Volume Conc. Sample Digested, mL)

Hg, µg/sample = (Raw Sample Concentration, µg/L) x (Bench DF) x (Final Volume Concentrated Sample, L) x (Final Volume Hg Digestate, mL / Volume Conc. Sample Digested, mL)

For the 0.1N HNO3 rinse samples (empty impingers), a 2.5 milliliter portion of the sample as received was removed and processed for mercury.

The 4% KMnO4/10%H2SO4 impinger samples were filtered to remove MnO2, followed by removal of a 25 mL portion of filtrate for mercury processing. The filtered MnO2 residue was digested in HCl, combined with the HCl rinse sample and analyzed for mercury.

Results for the 0.1N HNO3 rinse samples and the KMnO4 filtrate were calculated using the following equation:

Hg, µg/sample = (Raw Sample Concentration, µg/L) x (Bench DF) x (Total Sample Volume, L) x (Final Volume Hg Digestate, mL / Volume Sample Digested, mL)

Results for the combined MnO2 residue HCl digestates and HCl rinse samples were calculated as follows:

Job ID: 140-28988-1 (Continued)

Laboratory: Eurofins Knoxville (Continued)

Hg, µg/sample = (Raw Sample Concentration, µg/L) x (Bench DF) x (Total Sample Volume, L + MnO2 HCl Volume, L) x (Final Volume Hg Digestate, mL / Volume Sample Digested, mL)

Note: The total sample volume for the 5%HNO3/10%H2O2 impinger samples is the final volume of the concentrated sample. The total sample volume for the combined MnO2 residue HCl digestates and HCl rinse samples is equal to the total sample volume plus the MnO2 HCl volume.

Method 29/6010C: The following samples were diluted due to the presence of Silicon which interferes with Arsenic, Cobalt, Lead, Nickel and Selenium: UNIT_1-5-29_FO_RUN1-CONT 1,2,3 (140-28988-3), UNIT_1-5-29_FO_RUN2-CONT 1,2,3 (140-28988-10), UNIT_1-5-29_FO_RUN3-CONT 1,2,3 (140-28988-17), UNIT_1-5-29_FO_RUN4-CONT 1,2,3 (140-28988-24), UNIT_1-5-29_FO_RUN5-CONT 1,2,3 (140-28988-31), UNIT_1-5-29_FO_RUN6-CONT 1,2,3 (140-28988-38) and UNIT_1-5-29_FO_RUN7-CONT 1,2,3 (140-28988-45). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry

Total Particulates: The measurement of the mass of particulate matter trapped by the particulate filter and probe rinse derived from an M-5 sampling train was performed using SOP number KNOX-WC-0006 (based on EPA Methods 0050 and 5). Microfiber filters and 150 mL beakers are carefully inspected and tare weighed to constant weight. After sample collection, the filters are dried, and then carefully weighed to constant weight to determine the mass of particulate matter trapped on the filters. The acetone probe rinse solution is evaporated to dryness, and then weighed to constant weight to determine the total particulate mass collected in the rinse. The total particulate mass collected by an M-5 train is the sum of the particulate filter and the acetone probe rinse residue weights.

Method 5: Filter samples UNIT_1-5-29_FO_RUN1-CONT 1 (140-28988-1), UNIT_1-5-29_FO_RUN4-CONT 1 (140-28988-22) and UNIT_1-5-29_FO_RUN6-CONT 1 (140-28988-36) arrived with significant damage (tears/bends) and results may exhibit a low bias.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Client Sample Results

Client: TRC Environmental Corporation
Job ID: 140-28988-1
Project/Site: Georgia Power Mcintosh ICR-Unit 1 FO-M5/29

Client Sample ID: UNIT_1-5-29_FO_RUN1-CONT 1
Lab Sample ID: 140-28988-1
Date Collected: 09/17/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulates, Total (EPA 5)	ND		0.500	0.500	mg/sample			10/03/22 17:19	1

Client Sample ID: UNIT_1-5-29_FO_RUN1-CONT 2
Lab Sample ID: 140-28988-2
Date Collected: 09/17/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulates, Total (EPA 5)	**0.795**		0.500	0.500	mg/sample			10/03/22 17:19	1

Client Sample ID: UNIT_1-5-29_FO_RUN1-CONT 1,2,3
Lab Sample ID: 140-28988-3
Date Collected: 09/17/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/6010C - Metals (ICP), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		6.00	1.10	ug/Sample		10/05/22 09:15	10/12/22 17:07	1
Arsenic	ND		2.00	1.78	ug/Sample		10/05/22 09:15	10/13/22 16:03	2
Beryllium	ND		0.500	0.0160	ug/Sample		10/05/22 09:15	10/12/22 17:07	1
Cadmium	ND		0.500	0.280	ug/Sample		10/05/22 09:15	10/12/22 17:07	1
Chromium	**5.27**		1.00	0.190	ug/Sample		10/05/22 09:15	10/12/22 17:07	1
Cobalt	ND		10.0	2.00	ug/Sample		10/05/22 09:15	10/13/22 16:03	2
Lead	ND		2.00	0.940	ug/Sample		10/05/22 09:15	10/13/22 16:03	2
Manganese	**1.17**	**J**	1.50	0.120	ug/Sample		10/05/22 09:15	10/12/22 17:07	1
Nickel	**1.54**	**J**	8.00	0.500	ug/Sample		10/05/22 09:15	10/13/22 16:03	2
Selenium	ND		2.00	1.32	ug/Sample		10/05/22 09:15	10/13/22 16:03	2

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.0840	ug/Sample		10/05/22 09:15	10/12/22 15:17	1

Client Sample ID: UNIT_1-5-29_FO_RUN1-CONT 4
Lab Sample ID: 140-28988-4
Date Collected: 09/17/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/6010C - Metals (ICP), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		6.00	0.840	ug/Sample		10/03/22 09:33	10/11/22 16:55	1
Arsenic	ND		1.00	0.180	ug/Sample		10/03/22 09:33	10/11/22 16:55	1
Beryllium	ND		0.500	0.0470	ug/Sample		10/03/22 09:33	10/11/22 16:55	1
Cadmium	**0.0210**	**J**	0.500	0.0180	ug/Sample		10/03/22 09:33	10/11/22 16:55	1
Chromium	**0.878**	**J**	1.00	0.180	ug/Sample		10/03/22 09:33	10/11/22 16:55	1
Cobalt	ND		5.00	0.100	ug/Sample		10/03/22 09:33	10/11/22 16:55	1
Lead	ND		1.00	0.480	ug/Sample		10/03/22 09:33	10/11/22 16:55	1
Manganese	**1.53**		1.50	0.180	ug/Sample		10/03/22 09:33	10/11/22 16:55	1
Nickel	**0.386**	**J**	4.00	0.260	ug/Sample		10/03/22 09:33	10/11/22 16:55	1
Selenium	**0.434**	**J**	1.00	0.390	ug/Sample		10/03/22 09:33	10/11/22 16:55	1

Client Sample Results

Client: TRC Environmental Corporation
Job ID: 140-28988-1
Project/Site: Georgia Power Mcintosh ICR-Unit 1 FO-M5/29

Client Sample ID: UNIT_1-5-29_FO_RUN1-CONT 4
Lab Sample ID: 140-28988-4
Date Collected: 09/17/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.400	0.120	ug/Sample		10/05/22 14:00	10/06/22 14:35	1

Client Sample ID: UNIT_1-5-29_FO_RUN1-CONT 5A
Lab Sample ID: 140-28988-5
Date Collected: 09/17/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.400	0.120	ug/Sample		10/04/22 08:00	10/05/22 13:56	1

Client Sample ID: UNIT_1-5-29_FO_RUN1-CONT 5B
Lab Sample ID: 140-28988-6
Date Collected: 09/17/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.166	0.0498	ug/Sample		10/04/22 08:00	10/05/22 15:35	1

Client Sample ID: UNIT_1-5-29_FO_RUN1-CONT 5C
Lab Sample ID: 140-28988-7
Date Collected: 09/17/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.275	0.121	ug/Sample		10/05/22 08:00	10/06/22 12:46	1

Client Sample ID: UNIT_1-5-29_FO_RUN2-CONT 1
Lab Sample ID: 140-28988-8
Date Collected: 09/17/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulates, Total (EPA 5)	ND		0.500	0.500	mg/sample			10/03/22 17:19	1

Client Sample ID: UNIT_1-5-29_FO_RUN2-CONT 2
Lab Sample ID: 140-28988-9
Date Collected: 09/17/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulates, Total (EPA 5)	**1.28**		0.500	0.500	mg/sample			10/03/22 17:19	1

Client Sample Results

Client: TRC Environmental Corporation
Job ID: 140-28988-1
Project/Site: Georgia Power Mcintosh ICR-Unit 1 FO-M5/29

Client Sample ID: UNIT_1-5-29_FO_RUN2-CONT 1,2,3
Lab Sample ID: 140-28988-10
Date Collected: 09/17/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/6010C - Metals (ICP), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**1.30**	**J**	6.00	1.10	ug/Sample		10/05/22 09:15	10/12/22 17:30	1
Arsenic	ND		2.00	1.78	ug/Sample		10/05/22 09:15	10/13/22 16:17	2
Beryllium	ND		0.500	0.0160	ug/Sample		10/05/22 09:15	10/12/22 17:30	1
Cadmium	ND		0.500	0.280	ug/Sample		10/05/22 09:15	10/12/22 17:30	1
Chromium	**4.86**		1.00	0.190	ug/Sample		10/05/22 09:15	10/12/22 17:30	1
Cobalt	ND		10.0	2.00	ug/Sample		10/05/22 09:15	10/13/22 16:17	2
Lead	ND		2.00	0.940	ug/Sample		10/05/22 09:15	10/13/22 16:17	2
Manganese	**0.943**	**J**	1.50	0.120	ug/Sample		10/05/22 09:15	10/12/22 17:30	1
Nickel	**1.33**	**J**	8.00	0.500	ug/Sample		10/05/22 09:15	10/13/22 16:17	2
Selenium	ND		2.00	1.32	ug/Sample		10/05/22 09:15	10/13/22 16:17	2

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.0840	ug/Sample		10/05/22 09:15	10/12/22 15:20	1

Client Sample ID: UNIT_1-5-29_FO_RUN2-CONT 4
Lab Sample ID: 140-28988-11
Date Collected: 09/17/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/6010C - Metals (ICP), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		6.00	0.840	ug/Sample		10/03/22 09:33	10/11/22 17:00	1
Arsenic	ND		1.00	0.180	ug/Sample		10/03/22 09:33	10/11/22 17:00	1
Beryllium	ND		0.500	0.0470	ug/Sample		10/03/22 09:33	10/11/22 17:00	1
Cadmium	**0.0880**	**J**	0.500	0.0180	ug/Sample		10/03/22 09:33	10/11/22 17:00	1
Chromium	**0.547**	**J**	1.00	0.180	ug/Sample		10/03/22 09:33	10/11/22 17:00	1
Cobalt	ND		5.00	0.100	ug/Sample		10/03/22 09:33	10/11/22 17:00	1
Lead	ND		1.00	0.480	ug/Sample		10/03/22 09:33	10/11/22 17:00	1
Manganese	**11.6**		1.50	0.180	ug/Sample		10/03/22 09:33	10/11/22 17:00	1
Nickel	**0.584**	**J**	4.00	0.260	ug/Sample		10/03/22 09:33	10/11/22 17:00	1
Selenium	**1.53**		1.00	0.390	ug/Sample		10/03/22 09:33	10/11/22 17:00	1

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.400	0.120	ug/Sample		10/05/22 14:00	10/06/22 14:38	1

Client Sample ID: UNIT_1-5-29_FO_RUN2-CONT 5A
Lab Sample ID: 140-28988-12
Date Collected: 09/17/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.400	0.120	ug/Sample		10/04/22 08:00	10/05/22 13:58	1

Client Sample Results

Client: TRC Environmental Corporation
Job ID: 140-28988-1
Project/Site: Georgia Power Mcintosh ICR-Unit 1 FO-M5/29

Client Sample ID: UNIT_1-5-29_FO_RUN2-CONT 5B
Lab Sample ID: 140-28988-13
Date Collected: 09/17/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.166	0.0498	ug/Sample		10/04/22 08:00	10/05/22 15:37	1

Client Sample ID: UNIT_1-5-29_FO_RUN2-CONT 5C
Lab Sample ID: 140-28988-14
Date Collected: 09/17/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.275	0.121	ug/Sample		10/05/22 08:00	10/06/22 12:48	1

Client Sample ID: UNIT_1-5-29_FO_RUN3-CONT 1
Lab Sample ID: 140-28988-15
Date Collected: 09/19/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulates, Total (EPA 5)	ND		0.500	0.500	mg/sample			10/03/22 17:19	1

Client Sample ID: UNIT_1-5-29_FO_RUN3-CONT 2
Lab Sample ID: 140-28988-16
Date Collected: 09/19/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulates, Total (EPA 5)	**1.58**		0.500	0.500	mg/sample			10/03/22 17:19	1

Client Sample ID: UNIT_1-5-29_FO_RUN3-CONT 1,2,3
Lab Sample ID: 140-28988-17
Date Collected: 09/19/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/6010C - Metals (ICP), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**1.34**	**J**	6.00	1.10	ug/Sample		10/05/22 09:15	10/12/22 17:35	1
Arsenic	ND		2.00	1.78	ug/Sample		10/05/22 09:15	10/13/22 16:23	2
Beryllium	ND		0.500	0.0160	ug/Sample		10/05/22 09:15	10/12/22 17:35	1
Cadmium	ND		0.500	0.280	ug/Sample		10/05/22 09:15	10/12/22 17:35	1
Chromium	**5.67**		1.00	0.190	ug/Sample		10/05/22 09:15	10/12/22 17:35	1
Cobalt	ND		10.0	2.00	ug/Sample		10/05/22 09:15	10/13/22 16:23	2
Lead	ND		2.00	0.940	ug/Sample		10/05/22 09:15	10/13/22 16:23	2
Manganese	**2.03**		1.50	0.120	ug/Sample		10/05/22 09:15	10/12/22 17:35	1
Nickel	**1.28**	**J**	8.00	0.500	ug/Sample		10/05/22 09:15	10/13/22 16:23	2
Selenium	ND		2.00	1.32	ug/Sample		10/05/22 09:15	10/13/22 16:23	2

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.0840	ug/Sample		10/05/22 09:15	10/12/22 15:23	1

Client: TRC Environmental Corporation
Job ID: 140-28988-1
Project/Site: Georgia Power Mcintosh ICR-Unit 1 FO-M5/29

Client Sample ID: UNIT_1-5-29_FO_RUN3-CONT 4
Lab Sample ID: 140-28988-18
Date Collected: 09/19/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/6010C - Metals (ICP), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		6.00	0.840	ug/Sample		10/03/22 09:33	10/11/22 17:05	1
Arsenic	ND		1.00	0.180	ug/Sample		10/03/22 09:33	10/11/22 17:05	1
Beryllium	ND		0.500	0.0470	ug/Sample		10/03/22 09:33	10/11/22 17:05	1
Cadmium	ND		0.500	0.0180	ug/Sample		10/03/22 09:33	10/11/22 17:05	1
Chromium	**1.10**		1.00	0.180	ug/Sample		10/03/22 09:33	10/11/22 17:05	1
Cobalt	ND		5.00	0.100	ug/Sample		10/03/22 09:33	10/11/22 17:05	1
Lead	ND		1.00	0.480	ug/Sample		10/03/22 09:33	10/11/22 17:05	1
Manganese	**2.82**		1.50	0.180	ug/Sample		10/03/22 09:33	10/11/22 17:05	1
Nickel	**0.344**	**J**	4.00	0.260	ug/Sample		10/03/22 09:33	10/11/22 17:05	1
Selenium	ND		1.00	0.390	ug/Sample		10/03/22 09:33	10/11/22 17:05	1

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.400	0.120	ug/Sample		10/05/22 14:00	10/06/22 14:40	1

Client Sample ID: UNIT_1-5-29_FO_RUN3-CONT 5A
Lab Sample ID: 140-28988-19
Date Collected: 09/19/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.400	0.120	ug/Sample		10/04/22 08:00	10/05/22 14:01	1

Client Sample ID: UNIT_1-5-29_FO_RUN3-CONT 5B
Lab Sample ID: 140-28988-20
Date Collected: 09/19/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.164	0.0492	ug/Sample		10/04/22 08:00	10/05/22 15:40	1

Client Sample ID: UNIT_1-5-29_FO_RUN3-CONT 5C
Lab Sample ID: 140-28988-21
Date Collected: 09/19/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.295	0.130	ug/Sample		10/05/22 08:00	10/06/22 12:51	1

Client Sample ID: UNIT_1-5-29_FO_RUN4-CONT 1
Lab Sample ID: 140-28988-22
Date Collected: 09/19/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulates, Total (EPA 5)	ND		0.500	0.500	mg/sample			10/03/22 17:19	1

Client Sample ID: UNIT_1-5-29_FO_RUN4-CONT 2
Lab Sample ID: 140-28988-23

Date Collected: 09/19/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulates, Total (EPA 5)	0.835		0.500	0.500	mg/sample			10/03/22 17:19	1

Client Sample ID: UNIT_1-5-29_FO_RUN4-CONT 1,2,3
Lab Sample ID: 140-28988-24

Date Collected: 09/19/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/6010C - Metals (ICP), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1.53	J	6.00	1.10	ug/Sample		10/05/22 09:15	10/12/22 17:40	1
Arsenic	ND		2.00	1.78	ug/Sample		10/05/22 09:15	10/13/22 16:28	2
Beryllium	ND		0.500	0.0160	ug/Sample		10/05/22 09:15	10/12/22 17:40	1
Cadmium	ND		0.500	0.280	ug/Sample		10/05/22 09:15	10/12/22 17:40	1
Chromium	5.58		1.00	0.190	ug/Sample		10/05/22 09:15	10/12/22 17:40	1
Cobalt	ND		10.0	2.00	ug/Sample		10/05/22 09:15	10/13/22 16:28	2
Lead	ND		2.00	0.940	ug/Sample		10/05/22 09:15	10/13/22 16:28	2
Manganese	1.46	J	1.50	0.120	ug/Sample		10/05/22 09:15	10/12/22 17:40	1
Nickel	1.51	J	8.00	0.500	ug/Sample		10/05/22 09:15	10/13/22 16:28	2
Selenium	ND		2.00	1.32	ug/Sample		10/05/22 09:15	10/13/22 16:28	2

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.0840	ug/Sample		10/05/22 09:15	10/12/22 15:30	1

Client Sample ID: UNIT_1-5-29_FO_RUN4-CONT 4
Lab Sample ID: 140-28988-25

Date Collected: 09/19/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/6010C - Metals (ICP), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		6.00	0.840	ug/Sample		10/03/22 09:33	10/11/22 17:09	1
Arsenic	ND		1.00	0.180	ug/Sample		10/03/22 09:33	10/11/22 17:09	1
Beryllium	ND		0.500	0.0470	ug/Sample		10/03/22 09:33	10/11/22 17:09	1
Cadmium	0.0220	J	0.500	0.0180	ug/Sample		10/03/22 09:33	10/11/22 17:09	1
Chromium	0.568	J	1.00	0.180	ug/Sample		10/03/22 09:33	10/11/22 17:09	1
Cobalt	ND		5.00	0.100	ug/Sample		10/03/22 09:33	10/11/22 17:09	1
Lead	ND		1.00	0.480	ug/Sample		10/03/22 09:33	10/11/22 17:09	1
Manganese	9.12		1.50	0.180	ug/Sample		10/03/22 09:33	10/11/22 17:09	1
Nickel	0.277	J	4.00	0.260	ug/Sample		10/03/22 09:33	10/11/22 17:09	1
Selenium	0.976	J	1.00	0.390	ug/Sample		10/03/22 09:33	10/11/22 17:09	1

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.400	0.120	ug/Sample		10/05/22 14:00	10/06/22 14:43	1

Client: TRC Environmental Corporation
Job ID: 140-28988-1
Project/Site: Georgia Power Mcintosh ICR-Unit 1 FO-M5/29

Client Sample ID: UNIT_1-5-29_FO_RUN4-CONT 5A
Lab Sample ID: 140-28988-26
Date Collected: 09/19/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.400	0.120	ug/Sample		10/04/22 08:00	10/05/22 14:03	1

Client Sample ID: UNIT_1-5-29_FO_RUN4-CONT 5B
Lab Sample ID: 140-28988-27
Date Collected: 09/19/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.162	0.0486	ug/Sample		10/04/22 08:00	10/05/22 15:42	1

Client Sample ID: UNIT_1-5-29_FO_RUN4-CONT 5C
Lab Sample ID: 140-28988-28
Date Collected: 09/19/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.280	0.123	ug/Sample		10/05/22 08:00	10/06/22 12:53	1

Client Sample ID: UNIT_1-5-29_FO_RUN5-CONT 1
Lab Sample ID: 140-28988-29
Date Collected: 09/19/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulates, Total (EPA 5)	ND		0.500	0.500	mg/sample			10/03/22 17:19	1

Client Sample ID: UNIT_1-5-29_FO_RUN5-CONT 2
Lab Sample ID: 140-28988-30
Date Collected: 09/19/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulates, Total (EPA 5)	**1.64**		0.500	0.500	mg/sample			10/03/22 17:19	1

Client Sample ID: UNIT_1-5-29_FO_RUN5-CONT 1,2,3
Lab Sample ID: 140-28988-31
Date Collected: 09/19/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/6010C - Metals (ICP), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**1.31**	**J**	6.00	1.10	ug/Sample		10/05/22 09:15	10/12/22 17:45	1
Arsenic	ND		2.00	1.78	ug/Sample		10/05/22 09:15	10/13/22 16:33	2
Beryllium	ND		0.500	0.0160	ug/Sample		10/05/22 09:15	10/12/22 17:45	1
Cadmium	ND		0.500	0.280	ug/Sample		10/05/22 09:15	10/12/22 17:45	1
Chromium	**5.34**		1.00	0.190	ug/Sample		10/05/22 09:15	10/12/22 17:45	1
Cobalt	ND		10.0	2.00	ug/Sample		10/05/22 09:15	10/13/22 16:33	2

Client Sample ID: UNIT_1-5-29_FO_RUN5-CONT 1,2,3
Lab Sample ID: 140-28988-31

Date Collected: 09/19/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/6010C - Metals (ICP), Stationary Source (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.00	0.940	ug/Sample		10/05/22 09:15	10/13/22 16:33	2
Manganese	**1.48**	**J**	1.50	0.120	ug/Sample		10/05/22 09:15	10/12/22 17:45	1
Nickel	**1.64**	**J**	8.00	0.500	ug/Sample		10/05/22 09:15	10/13/22 16:33	2
Selenium	ND		2.00	1.32	ug/Sample		10/05/22 09:15	10/13/22 16:33	2

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.0840	ug/Sample		10/05/22 09:15	10/12/22 15:33	1

Client Sample ID: UNIT_1-5-29_FO_RUN5-CONT 4
Lab Sample ID: 140-28988-32

Date Collected: 09/19/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/6010C - Metals (ICP), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		6.00	0.840	ug/Sample		10/03/22 09:33	10/11/22 17:14	1
Arsenic	ND		1.00	0.180	ug/Sample		10/03/22 09:33	10/11/22 17:14	1
Beryllium	ND		0.500	0.0470	ug/Sample		10/03/22 09:33	10/11/22 17:14	1
Cadmium	**0.0180**	**J**	0.500	0.0180	ug/Sample		10/03/22 09:33	10/11/22 17:14	1
Chromium	**0.869**	**J**	1.00	0.180	ug/Sample		10/03/22 09:33	10/11/22 17:14	1
Cobalt	ND		5.00	0.100	ug/Sample		10/03/22 09:33	10/11/22 17:14	1
Lead	ND		1.00	0.480	ug/Sample		10/03/22 09:33	10/11/22 17:14	1
Manganese	**2.14**		1.50	0.180	ug/Sample		10/03/22 09:33	10/11/22 17:14	1
Nickel	**0.393**	**J**	4.00	0.260	ug/Sample		10/03/22 09:33	10/11/22 17:14	1
Selenium	ND		1.00	0.390	ug/Sample		10/03/22 09:33	10/11/22 17:14	1

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.400	0.120	ug/Sample		10/05/22 14:00	10/06/22 14:46	1

Client Sample ID: UNIT_1-5-29_FO_RUN5-CONT 5A
Lab Sample ID: 140-28988-33

Date Collected: 09/19/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.400	0.120	ug/Sample		10/04/22 08:00	10/05/22 14:06	1

Client Sample ID: UNIT_1-5-29_FO_RUN5-CONT 5B
Lab Sample ID: 140-28988-34

Date Collected: 09/19/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.168	0.0504	ug/Sample		10/04/22 08:00	10/05/22 15:45	1

Client: TRC Environmental Corporation
Job ID: 140-28988-1
Project/Site: Georgia Power Mcintosh ICR-Unit 1 FO-M5/29

Client Sample ID: UNIT_1-5-29_FO_RUN5-CONT 5C
Lab Sample ID: 140-28988-35
Date Collected: 09/19/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.285	0.125	ug/Sample		10/05/22 08:00	10/06/22 12:56	1

Client Sample ID: UNIT_1-5-29_FO_RUN6-CONT 1
Lab Sample ID: 140-28988-36
Date Collected: 09/20/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulates, Total (EPA 5)	ND		0.500	0.500	mg/sample			10/03/22 17:19	1

Client Sample ID: UNIT_1-5-29_FO_RUN6-CONT 2
Lab Sample ID: 140-28988-37
Date Collected: 09/20/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulates, Total (EPA 5)	**1.14**		0.500	0.500	mg/sample			10/03/22 17:19	1

Client Sample ID: UNIT_1-5-29_FO_RUN6-CONT 1,2,3
Lab Sample ID: 140-28988-38
Date Collected: 09/20/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/6010C - Metals (ICP), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**1.19**	**J**	6.00	1.10	ug/Sample		10/05/22 09:15	10/12/22 17:50	1
Arsenic	ND		2.00	1.78	ug/Sample		10/05/22 09:15	10/13/22 16:38	2
Beryllium	ND		0.500	0.0160	ug/Sample		10/05/22 09:15	10/12/22 17:50	1
Cadmium	ND		0.500	0.280	ug/Sample		10/05/22 09:15	10/12/22 17:50	1
Chromium	**4.20**		1.00	0.190	ug/Sample		10/05/22 09:15	10/12/22 17:50	1
Cobalt	ND		10.0	2.00	ug/Sample		10/05/22 09:15	10/13/22 16:38	2
Lead	ND		2.00	0.940	ug/Sample		10/05/22 09:15	10/13/22 16:38	2
Manganese	**0.911**	**J**	1.50	0.120	ug/Sample		10/05/22 09:15	10/12/22 17:50	1
Nickel	**0.978**	**J**	8.00	0.500	ug/Sample		10/05/22 09:15	10/13/22 16:38	2
Selenium	ND		2.00	1.32	ug/Sample		10/05/22 09:15	10/13/22 16:38	2

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.0840	ug/Sample		10/05/22 09:15	10/12/22 15:35	1

Client Sample ID: UNIT_1-5-29_FO_RUN6-CONT 4
Lab Sample ID: 140-28988-39
Date Collected: 09/20/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/6010C - Metals (ICP), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		6.00	0.840	ug/Sample		10/03/22 09:33	10/11/22 17:19	1
Arsenic	ND		1.00	0.180	ug/Sample		10/03/22 09:33	10/11/22 17:19	1

Client Sample ID: UNIT_1-5-29_FO_RUN6-CONT 4
Lab Sample ID: 140-28988-39

Date Collected: 09/20/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/6010C - Metals (ICP), Stationary Source (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	ND		0.500	0.0470	ug/Sample		10/03/22 09:33	10/11/22 17:19	1
Cadmium	**0.108**	**J**	0.500	0.0180	ug/Sample		10/03/22 09:33	10/11/22 17:19	1
Chromium	**0.942**	**J**	1.00	0.180	ug/Sample		10/03/22 09:33	10/11/22 17:19	1
Cobalt	ND		5.00	0.100	ug/Sample		10/03/22 09:33	10/11/22 17:19	1
Lead	ND		1.00	0.480	ug/Sample		10/03/22 09:33	10/11/22 17:19	1
Manganese	**3.43**		1.50	0.180	ug/Sample		10/03/22 09:33	10/11/22 17:19	1
Nickel	**0.335**	**J**	4.00	0.260	ug/Sample		10/03/22 09:33	10/11/22 17:19	1
Selenium	**0.981**	**J**	1.00	0.390	ug/Sample		10/03/22 09:33	10/11/22 17:19	1

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.400	0.120	ug/Sample		10/05/22 14:00	10/06/22 14:48	1

Client Sample ID: UNIT_1-5-29_FO_RUN6-CONT 5A
Lab Sample ID: 140-28988-40

Date Collected: 09/20/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.400	0.120	ug/Sample		10/04/22 08:00	10/05/22 14:08	1

Client Sample ID: UNIT_1-5-29_FO_RUN6-CONT 5B
Lab Sample ID: 140-28988-41

Date Collected: 09/20/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.156	0.0468	ug/Sample		10/04/22 08:00	10/05/22 15:47	1

Client Sample ID: UNIT_1-5-29_FO_RUN6-CONT 5C
Lab Sample ID: 140-28988-42

Date Collected: 09/20/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.250	0.110	ug/Sample		10/05/22 08:00	10/06/22 12:58	1

Client Sample ID: UNIT_1-5-29_FO_RUN7-CONT 1
Lab Sample ID: 140-28988-43

Date Collected: 09/20/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulates, Total (EPA 5)	**0.650**		0.500	0.500	mg/sample			10/03/22 17:19	1

Client: TRC Environmental Corporation
Job ID: 140-28988-1
Project/Site: Georgia Power Mcintosh ICR-Unit 1 FO-M5/29

Client Sample ID: UNIT_1-5-29_FO_RUN7-CONT 2
Lab Sample ID: 140-28988-44

Date Collected: 09/20/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulates, Total (EPA 5)	1.63		0.500	0.500	mg/sample			10/03/22 17:19	1

Client Sample ID: UNIT_1-5-29_FO_RUN7-CONT 1,2,3
Lab Sample ID: 140-28988-45

Date Collected: 09/20/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/6010C - Metals (ICP), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1.36	J	6.00	1.10	ug/Sample		10/05/22 09:15	10/12/22 17:56	1
Arsenic	ND		2.00	1.78	ug/Sample		10/05/22 09:15	10/13/22 16:43	2
Beryllium	ND		0.500	0.0160	ug/Sample		10/05/22 09:15	10/12/22 17:56	1
Cadmium	ND		0.500	0.280	ug/Sample		10/05/22 09:15	10/12/22 17:56	1
Chromium	4.78		1.00	0.190	ug/Sample		10/05/22 09:15	10/12/22 17:56	1
Cobalt	ND		10.0	2.00	ug/Sample		10/05/22 09:15	10/13/22 16:43	2
Lead	ND		2.00	0.940	ug/Sample		10/05/22 09:15	10/13/22 16:43	2
Manganese	1.12	J	1.50	0.120	ug/Sample		10/05/22 09:15	10/12/22 17:56	1
Nickel	0.994	J	8.00	0.500	ug/Sample		10/05/22 09:15	10/13/22 16:43	2
Selenium	ND		2.00	1.32	ug/Sample		10/05/22 09:15	10/13/22 16:43	2

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.0840	ug/Sample		10/05/22 09:15	10/12/22 15:38	1

Client Sample ID: UNIT_1-5-29_FO_RUN7-CONT 4
Lab Sample ID: 140-28988-46

Date Collected: 09/20/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/6010C - Metals (ICP), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		6.00	0.840	ug/Sample		10/03/22 09:33	10/11/22 17:24	1
Arsenic	ND		1.00	0.180	ug/Sample		10/03/22 09:33	10/11/22 17:24	1
Beryllium	ND		0.500	0.0470	ug/Sample		10/03/22 09:33	10/11/22 17:24	1
Cadmium	ND		0.500	0.0180	ug/Sample		10/03/22 09:33	10/11/22 17:24	1
Chromium	0.414	J	1.00	0.180	ug/Sample		10/03/22 09:33	10/11/22 17:24	1
Cobalt	ND		5.00	0.100	ug/Sample		10/03/22 09:33	10/11/22 17:24	1
Lead	ND		1.00	0.480	ug/Sample		10/03/22 09:33	10/11/22 17:24	1
Manganese	0.870	J	1.50	0.180	ug/Sample		10/03/22 09:33	10/11/22 17:24	1
Nickel	0.298	J	4.00	0.260	ug/Sample		10/03/22 09:33	10/11/22 17:24	1
Selenium	ND		1.00	0.390	ug/Sample		10/03/22 09:33	10/11/22 17:24	1

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.400	0.120	ug/Sample		10/05/22 14:00	10/06/22 14:51	1

Client Sample Results

Client: TRC Environmental Corporation
Job ID: 140-28988-1
Project/Site: Georgia Power Mcintosh ICR-Unit 1 FO-M5/29

Client Sample ID: UNIT_1-5-29_FO_RUN7-CONT 5A
Lab Sample ID: 140-28988-47

Date Collected: 09/20/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.400	0.120	ug/Sample		10/04/22 08:00	10/05/22 14:11	1

Client Sample ID: UNIT_1-5-29_FO_RUN7-CONT 5B
Lab Sample ID: 140-28988-48

Date Collected: 09/20/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.164	0.0492	ug/Sample		10/04/22 08:00	10/05/22 15:55	1

Client Sample ID: UNIT_1-5-29_FO_RUN7-CONT 5C
Lab Sample ID: 140-28988-49

Date Collected: 09/20/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.280	0.123	ug/Sample		10/05/22 08:00	10/06/22 13:01	1

Default Detection Limits

Client: TRC Environmental Corporation
Job ID: 140-28988-1
Project/Site: Georgia Power Mcintosh ICR-Unit 1 FO-M5/29

Method: 29/6010C - Metals (ICP), Stationary Source
Prep: AT Prep (BH)

Analyte	RL	MDL	Units
Antimony	6.00	0.840	ug/Sample
Arsenic	1.00	0.180	ug/Sample
Beryllium	0.500	0.0470	ug/Sample
Cadmium	0.500	0.0180	ug/Sample
Chromium	1.00	0.180	ug/Sample
Cobalt	5.00	0.100	ug/Sample
Lead	1.00	0.480	ug/Sample
Manganese	1.50	0.180	ug/Sample
Nickel	4.00	0.260	ug/Sample
Selenium	1.00	0.390	ug/Sample

Method: 29/6010C - Metals (ICP), Stationary Source
Prep: AT Prep (FH)

Analyte	RL	MDL	Units
Antimony	6.00	1.10	ug/Sample
Arsenic	1.00	0.890	ug/Sample
Beryllium	0.500	0.0160	ug/Sample
Cadmium	0.500	0.280	ug/Sample
Chromium	1.00	0.190	ug/Sample
Cobalt	5.00	1.00	ug/Sample
Lead	1.00	0.470	ug/Sample
Manganese	1.50	0.120	ug/Sample
Nickel	4.00	0.250	ug/Sample
Selenium	1.00	0.660	ug/Sample

Method: 29/7470A - Mercury (CVAA), Stationary Source
Prep: AT Prep (BH)

Analyte	RL	MDL	Units
Mercury	0.400	0.120	ug/Sample

Method: 29/7470A - Mercury (CVAA), Stationary Source
Prep: AT Prep (Empty)

Analyte	RL	MDL	Units
Mercury	0.200	0.0600	ug/Sample

Method: 29/7470A - Mercury (CVAA), Stationary Source
Prep: AT Prep (FH)

Analyte	RL	MDL	Units
Mercury	0.200	0.0840	ug/Sample

Method: 29/7470A - Mercury (CVAA), Stationary Source
Prep: AT Prep (HCl)

Analyte	RL	MDL	Units
Mercury	0.0500	0.0220	ug/Sample

Method: 29/7470A - Mercury (CVAA), Stationary Source
Prep: AT Prep (KMnO4)

Analyte	RL	MDL	Units
Mercury	0.0200	0.00600	ug/Sample

Default Detection Limits

Client: TRC Environmental Corporation
Job ID: 140-28988-1
Project/Site: Georgia Power Mcintosh ICR-Unit 1 FO-M5/29

General Chemistry

Analyte	RL	MDL	Units
Particulates, Total	0.500	0.500	mg/sample

Client: TRC Environmental Corporation
Job ID: 140-28988-1
Project/Site: Georgia Power Mcintosh ICR-Unit 1 FO-M5/29

Method: 29/6010C - Metals (ICP), Stationary Source

Lab Sample ID: MB 140-65920/1-A
Matrix: Air
Analysis Batch: 66250

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 65920

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		6.00	0.840	ug/Sample		10/03/22 09:33	10/11/22 14:06	1
Arsenic	ND		1.00	0.180	ug/Sample		10/03/22 09:33	10/11/22 14:06	1
Beryllium	ND		0.500	0.0470	ug/Sample		10/03/22 09:33	10/11/22 14:06	1
Cadmium	ND		0.500	0.0180	ug/Sample		10/03/22 09:33	10/11/22 14:06	1
Chromium	ND		1.00	0.180	ug/Sample		10/03/22 09:33	10/11/22 14:06	1
Cobalt	ND		5.00	0.100	ug/Sample		10/03/22 09:33	10/11/22 14:06	1
Lead	ND		1.00	0.480	ug/Sample		10/03/22 09:33	10/11/22 14:06	1
Manganese	ND		1.50	0.180	ug/Sample		10/03/22 09:33	10/11/22 14:06	1
Nickel	ND		4.00	0.260	ug/Sample		10/03/22 09:33	10/11/22 14:06	1
Selenium	ND		1.00	0.390	ug/Sample		10/03/22 09:33	10/11/22 14:06	1

Lab Sample ID: LCS 140-65920/2-A
Matrix: Air
Analysis Batch: 66250

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 65920

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	50.0	48.27		ug/Sample		97	80 - 120
Arsenic	10.0	9.749		ug/Sample		97	80 - 120
Beryllium	5.00	5.311		ug/Sample		106	80 - 120
Cadmium	5.00	4.990		ug/Sample		100	80 - 120
Chromium	20.0	20.58		ug/Sample		103	80 - 120
Cobalt	10.0	10.03		ug/Sample		100	80 - 120
Lead	10.0	9.839		ug/Sample		98	80 - 120
Manganese	10.0	9.946		ug/Sample		99	80 - 120
Nickel	50.0	50.87		ug/Sample		102	80 - 120
Selenium	15.0	13.89		ug/Sample		93	80 - 120

Lab Sample ID: LCSD 140-65920/3-A
Matrix: Air
Analysis Batch: 66250

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 65920

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	50.0	49.22		ug/Sample		98	80 - 120	2	20
Arsenic	10.0	9.877		ug/Sample		99	80 - 120	1	20
Beryllium	5.00	5.306		ug/Sample		106	80 - 120	0	20
Cadmium	5.00	5.032		ug/Sample		101	80 - 120	1	20
Chromium	20.0	20.56		ug/Sample		103	80 - 120	0	20
Cobalt	10.0	10.15		ug/Sample		102	80 - 120	1	20
Lead	10.0	9.856		ug/Sample		99	80 - 120	0	20
Manganese	10.0	9.933		ug/Sample		99	80 - 120	0	20
Nickel	50.0	51.47		ug/Sample		103	80 - 120	1	20
Selenium	15.0	14.31		ug/Sample		95	80 - 120	3	20

Lab Sample ID: MB 140-66006/1-A
Matrix: Air
Analysis Batch: 66288

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 66006

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		6.00	1.10	ug/Sample		10/05/22 09:15	10/12/22 12:31	1

Method: 29/6010C - Metals (ICP), Stationary Source (Continued)

Lab Sample ID: MB 140-66006/1-A
Matrix: Air
Analysis Batch: 66288

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 66006

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.00	0.890	ug/Sample		10/05/22 09:15	10/12/22 12:31	1
Beryllium	ND		0.500	0.0160	ug/Sample		10/05/22 09:15	10/12/22 12:31	1
Cadmium	ND		0.500	0.280	ug/Sample		10/05/22 09:15	10/12/22 12:31	1
Chromium	ND		1.00	0.190	ug/Sample		10/05/22 09:15	10/12/22 12:31	1
Cobalt	ND		5.00	1.00	ug/Sample		10/05/22 09:15	10/12/22 12:31	1
Lead	ND		1.00	0.470	ug/Sample		10/05/22 09:15	10/12/22 12:31	1
Manganese	ND		1.50	0.120	ug/Sample		10/05/22 09:15	10/12/22 12:31	1
Nickel	ND		4.00	0.250	ug/Sample		10/05/22 09:15	10/12/22 12:31	1
Selenium	ND		1.00	0.660	ug/Sample		10/05/22 09:15	10/12/22 12:31	1

Lab Sample ID: LCS 140-66006/2-A
Matrix: Air
Analysis Batch: 66288

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 66006

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	50.0	51.22		ug/Sample		102	80 - 120
Arsenic	10.0	10.71		ug/Sample		107	80 - 120
Beryllium	5.00	5.360		ug/Sample		107	80 - 120
Cadmium	5.00	5.250		ug/Sample		105	80 - 120
Chromium	20.0	21.69		ug/Sample		108	80 - 120
Cobalt	10.0	10.54		ug/Sample		105	80 - 120
Lead	10.0	10.40		ug/Sample		104	80 - 120
Manganese	10.0	10.48		ug/Sample		105	80 - 120
Nickel	50.0	53.75		ug/Sample		108	80 - 120
Selenium	15.0	14.46		ug/Sample		96	80 - 120

Lab Sample ID: LCSD 140-66006/3-A
Matrix: Air
Analysis Batch: 66288

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 66006

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	50.0	50.58		ug/Sample		101	80 - 120	1	20
Arsenic	10.0	10.61		ug/Sample		106	80 - 120	1	20
Beryllium	5.00	5.263		ug/Sample		105	80 - 120	2	20
Cadmium	5.00	5.165		ug/Sample		103	80 - 120	2	20
Chromium	20.0	21.33		ug/Sample		107	80 - 120	2	20
Cobalt	10.0	10.42		ug/Sample		104	80 - 120	1	20
Lead	10.0	10.38		ug/Sample		104	80 - 120	0	20
Manganese	10.0	10.29		ug/Sample		103	80 - 120	2	20
Nickel	50.0	52.98		ug/Sample		106	80 - 120	1	20
Selenium	15.0	14.31		ug/Sample		95	80 - 120	1	20

Method: 29/7470A - Mercury (CVAA), Stationary Source

Lab Sample ID: MB 140-65866/1-B
Matrix: Air
Analysis Batch: 66043

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 65934

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.0600	ug/Sample		10/04/22 08:00	10/05/22 13:22	1

Client: TRC Environmental Corporation
Job ID: 140-28988-1
Project/Site: Georgia Power Mcintosh ICR-Unit 1 FO-M5/29

Method: 29/7470A - Mercury (CVAA), Stationary Source

Lab Sample ID: LCS 140-65866/2-B
Matrix: Air
Analysis Batch: 66043
Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 65934

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	5.00	4.951		ug/Sample		99	80 - 120

Lab Sample ID: MB 140-65870/1-B
Matrix: Air
Analysis Batch: 66043
Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 65935

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0200	0.00600	ug/Sample		10/04/22 08:00	10/05/22 15:04	1

Lab Sample ID: LCS 140-65870/2-B
Matrix: Air
Analysis Batch: 66043
Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 65935

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.500	0.4922		ug/Sample		98	80 - 120

Lab Sample ID: MB 140-65872/1-B
Matrix: Air
Analysis Batch: 66078
Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 65990

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0500	0.0220	ug/Sample		10/05/22 08:00	10/06/22 12:12	1

Lab Sample ID: LCS 140-65872/2-B
Matrix: Air
Analysis Batch: 66078
Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 65990

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	1.25	1.315		ug/Sample		105	80 - 120

Lab Sample ID: MB 140-66006/1-B
Matrix: Air
Analysis Batch: 66275
Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 66006

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.0840	ug/Sample		10/05/22 09:15	10/12/22 14:17	1

Lab Sample ID: LCS 140-66006/2-B
Matrix: Air
Analysis Batch: 66275
Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 66006

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	5.00	5.741		ug/Sample		115	80 - 120

Lab Sample ID: LCSD 140-66006/3-B
Matrix: Air
Analysis Batch: 66275
Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 66006

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	5.00	5.792		ug/Sample		116	80 - 120	1	20

Eurofins Knoxville

QC Sample Results

Client: TRC Environmental Corporation
Job ID: 140-28988-1
Project/Site: Georgia Power Mcintosh ICR-Unit 1 FO-M5/29

Method: 29/7470A - Mercury (CVAA), Stationary Source

Lab Sample ID: MB 140-65993/1-C
Matrix: Air
Analysis Batch: 66078

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 66026

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.400	0.120	ug/Sample		10/05/22 14:00	10/06/22 13:54	1

Lab Sample ID: LCS 140-65993/2-C
Matrix: Air
Analysis Batch: 66078

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 66026

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			10.0	10.42		ug/Sample		104	80 - 120		

QC Association Summary

Client: TRC Environmental Corporation
Job ID: 140-28988-1
Project/Site: Georgia Power Mcintosh ICR-Unit 1 FO-M5/29

Metals

Pre Prep Batch: 65866

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-28988-5	UNIT_1-5-29_FO_RUN1-CONT 5A	Total/NA	Air	Air Train Vol.	
140-28988-12	UNIT_1-5-29_FO_RUN2-CONT 5A	Total/NA	Air	Air Train Vol.	
140-28988-19	UNIT_1-5-29_FO_RUN3-CONT 5A	Total/NA	Air	Air Train Vol.	
140-28988-26	UNIT_1-5-29_FO_RUN4-CONT 5A	Total/NA	Air	Air Train Vol.	
140-28988-33	UNIT_1-5-29_FO_RUN5-CONT 5A	Total/NA	Air	Air Train Vol.	
140-28988-40	UNIT_1-5-29_FO_RUN6-CONT 5A	Total/NA	Air	Air Train Vol.	
140-28988-47	UNIT_1-5-29_FO_RUN7-CONT 5A	Total/NA	Air	Air Train Vol.	
MB 140-65866/1-B	Method Blank	Total/NA	Air	Air Train Vol.	
LCS 140-65866/2-B	Lab Control Sample	Total/NA	Air	Air Train Vol.	

Pre Prep Batch: 65870

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-28988-6	UNIT_1-5-29_FO_RUN1-CONT 5B	Total/NA	Air	Air Train Vol.	
140-28988-13	UNIT_1-5-29_FO_RUN2-CONT 5B	Total/NA	Air	Air Train Vol.	
140-28988-20	UNIT_1-5-29_FO_RUN3-CONT 5B	Total/NA	Air	Air Train Vol.	
140-28988-27	UNIT_1-5-29_FO_RUN4-CONT 5B	Total/NA	Air	Air Train Vol.	
140-28988-34	UNIT_1-5-29_FO_RUN5-CONT 5B	Total/NA	Air	Air Train Vol.	
140-28988-41	UNIT_1-5-29_FO_RUN6-CONT 5B	Total/NA	Air	Air Train Vol.	
140-28988-48	UNIT_1-5-29_FO_RUN7-CONT 5B	Total/NA	Air	Air Train Vol.	
MB 140-65870/1-B	Method Blank	Total/NA	Air	Air Train Vol.	
LCS 140-65870/2-B	Lab Control Sample	Total/NA	Air	Air Train Vol.	

Pre Prep Batch: 65872

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-28988-7	UNIT_1-5-29_FO_RUN1-CONT 5C	Total/NA	Air	Air Train Vol.	
140-28988-14	UNIT_1-5-29_FO_RUN2-CONT 5C	Total/NA	Air	Air Train Vol.	
140-28988-21	UNIT_1-5-29_FO_RUN3-CONT 5C	Total/NA	Air	Air Train Vol.	
140-28988-28	UNIT_1-5-29_FO_RUN4-CONT 5C	Total/NA	Air	Air Train Vol.	
140-28988-35	UNIT_1-5-29_FO_RUN5-CONT 5C	Total/NA	Air	Air Train Vol.	
140-28988-42	UNIT_1-5-29_FO_RUN6-CONT 5C	Total/NA	Air	Air Train Vol.	
140-28988-49	UNIT_1-5-29_FO_RUN7-CONT 5C	Total/NA	Air	Air Train Vol.	
MB 140-65872/1-B	Method Blank	Total/NA	Air	Air Train Vol.	
LCS 140-65872/2-B	Lab Control Sample	Total/NA	Air	Air Train Vol.	

Prep Batch: 65920

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-28988-4	UNIT_1-5-29_FO_RUN1-CONT 4	Total/NA	Air	AT Prep (BH)	
140-28988-11	UNIT_1-5-29_FO_RUN2-CONT 4	Total/NA	Air	AT Prep (BH)	
140-28988-18	UNIT_1-5-29_FO_RUN3-CONT 4	Total/NA	Air	AT Prep (BH)	
140-28988-25	UNIT_1-5-29_FO_RUN4-CONT 4	Total/NA	Air	AT Prep (BH)	
140-28988-32	UNIT_1-5-29_FO_RUN5-CONT 4	Total/NA	Air	AT Prep (BH)	
140-28988-39	UNIT_1-5-29_FO_RUN6-CONT 4	Total/NA	Air	AT Prep (BH)	
140-28988-46	UNIT_1-5-29_FO_RUN7-CONT 4	Total/NA	Air	AT Prep (BH)	
MB 140-65920/1-A	Method Blank	Total/NA	Air	AT Prep (BH)	
LCS 140-65920/2-A	Lab Control Sample	Total/NA	Air	AT Prep (BH)	
LCSD 140-65920/3-A	Lab Control Sample Dup	Total/NA	Air	AT Prep (BH)	

Prep Batch: 65934

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-28988-5	UNIT_1-5-29_FO_RUN1-CONT 5A	Total/NA	Air	AT Prep (Empty)	65866
140-28988-12	UNIT_1-5-29_FO_RUN2-CONT 5A	Total/NA	Air	AT Prep (Empty)	65866

Metals (Continued)

Prep Batch: 65934 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-28988-19	UNIT_1-5-29_FO_RUN3-CONT 5A	Total/NA	Air	AT Prep (Empty)	65866
140-28988-26	UNIT_1-5-29_FO_RUN4-CONT 5A	Total/NA	Air	AT Prep (Empty)	65866
140-28988-33	UNIT_1-5-29_FO_RUN5-CONT 5A	Total/NA	Air	AT Prep (Empty)	65866
140-28988-40	UNIT_1-5-29_FO_RUN6-CONT 5A	Total/NA	Air	AT Prep (Empty)	65866
140-28988-47	UNIT_1-5-29_FO_RUN7-CONT 5A	Total/NA	Air	AT Prep (Empty)	65866
MB 140-65866/1-B	Method Blank	Total/NA	Air	AT Prep (Empty)	65866
LCS 140-65866/2-B	Lab Control Sample	Total/NA	Air	AT Prep (Empty)	65866

Prep Batch: 65935

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-28988-6	UNIT_1-5-29_FO_RUN1-CONT 5B	Total/NA	Air	AT Prep (KMnO4)	65870
140-28988-13	UNIT_1-5-29_FO_RUN2-CONT 5B	Total/NA	Air	AT Prep (KMnO4)	65870
140-28988-20	UNIT_1-5-29_FO_RUN3-CONT 5B	Total/NA	Air	AT Prep (KMnO4)	65870
140-28988-27	UNIT_1-5-29_FO_RUN4-CONT 5B	Total/NA	Air	AT Prep (KMnO4)	65870
140-28988-34	UNIT_1-5-29_FO_RUN5-CONT 5B	Total/NA	Air	AT Prep (KMnO4)	65870
140-28988-41	UNIT_1-5-29_FO_RUN6-CONT 5B	Total/NA	Air	AT Prep (KMnO4)	65870
140-28988-48	UNIT_1-5-29_FO_RUN7-CONT 5B	Total/NA	Air	AT Prep (KMnO4)	65870
MB 140-65870/1-B	Method Blank	Total/NA	Air	AT Prep (KMnO4)	65870
LCS 140-65870/2-B	Lab Control Sample	Total/NA	Air	AT Prep (KMnO4)	65870

Prep Batch: 65990

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-28988-7	UNIT_1-5-29_FO_RUN1-CONT 5C	Total/NA	Air	AT Prep (HCl)	65872
140-28988-14	UNIT_1-5-29_FO_RUN2-CONT 5C	Total/NA	Air	AT Prep (HCl)	65872
140-28988-21	UNIT_1-5-29_FO_RUN3-CONT 5C	Total/NA	Air	AT Prep (HCl)	65872
140-28988-28	UNIT_1-5-29_FO_RUN4-CONT 5C	Total/NA	Air	AT Prep (HCl)	65872
140-28988-35	UNIT_1-5-29_FO_RUN5-CONT 5C	Total/NA	Air	AT Prep (HCl)	65872
140-28988-42	UNIT_1-5-29_FO_RUN6-CONT 5C	Total/NA	Air	AT Prep (HCl)	65872
140-28988-49	UNIT_1-5-29_FO_RUN7-CONT 5C	Total/NA	Air	AT Prep (HCl)	65872
MB 140-65872/1-B	Method Blank	Total/NA	Air	AT Prep (HCl)	65872
LCS 140-65872/2-B	Lab Control Sample	Total/NA	Air	AT Prep (HCl)	65872

Pre Prep Batch: 65993

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-28988-4	UNIT_1-5-29_FO_RUN1-CONT 4	Total/NA	Air	Air Train Vol.	
140-28988-11	UNIT_1-5-29_FO_RUN2-CONT 4	Total/NA	Air	Air Train Vol.	
140-28988-18	UNIT_1-5-29_FO_RUN3-CONT 4	Total/NA	Air	Air Train Vol.	
140-28988-25	UNIT_1-5-29_FO_RUN4-CONT 4	Total/NA	Air	Air Train Vol.	
140-28988-32	UNIT_1-5-29_FO_RUN5-CONT 4	Total/NA	Air	Air Train Vol.	
140-28988-39	UNIT_1-5-29_FO_RUN6-CONT 4	Total/NA	Air	Air Train Vol.	
140-28988-46	UNIT_1-5-29_FO_RUN7-CONT 4	Total/NA	Air	Air Train Vol.	
MB 140-65993/1-C	Method Blank	Total/NA	Air	Air Train Vol.	
LCS 140-65993/2-C	Lab Control Sample	Total/NA	Air	Air Train Vol.	

QC Association Summary

Client: TRC Environmental Corporation
Project/Site: Georgia Power Mcintosh ICR-Unit 1 FO-M5/29

Job ID: 140-28988-1

Metals

Prep Batch: 66006

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-28988-3	UNIT_1-5-29_FO_RUN1-CONT 1,2,3	Total/NA	Air	AT Prep (FH)	
140-28988-10	UNIT_1-5-29_FO_RUN2-CONT 1,2,3	Total/NA	Air	AT Prep (FH)	
140-28988-17	UNIT_1-5-29_FO_RUN3-CONT 1,2,3	Total/NA	Air	AT Prep (FH)	
140-28988-24	UNIT_1-5-29_FO_RUN4-CONT 1,2,3	Total/NA	Air	AT Prep (FH)	
140-28988-31	UNIT_1-5-29_FO_RUN5-CONT 1,2,3	Total/NA	Air	AT Prep (FH)	
140-28988-38	UNIT_1-5-29_FO_RUN6-CONT 1,2,3	Total/NA	Air	AT Prep (FH)	
140-28988-45	UNIT_1-5-29_FO_RUN7-CONT 1,2,3	Total/NA	Air	AT Prep (FH)	
MB 140-66006/1-A	Method Blank	Total/NA	Air	AT Prep (FH)	
MB 140-66006/1-B	Method Blank	Total/NA	Air	AT Prep (FH)	
LCS 140-66006/2-A	Lab Control Sample	Total/NA	Air	AT Prep (FH)	
LCS 140-66006/2-B	Lab Control Sample	Total/NA	Air	AT Prep (FH)	
LCSD 140-66006/3-A	Lab Control Sample Dup	Total/NA	Air	AT Prep (FH)	
LCSD 140-66006/3-B	Lab Control Sample Dup	Total/NA	Air	AT Prep (FH)	

Prep Batch: 66026

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-28988-4	UNIT_1-5-29_FO_RUN1-CONT 4	Total/NA	Air	AT Prep (BH)	65993
140-28988-11	UNIT_1-5-29_FO_RUN2-CONT 4	Total/NA	Air	AT Prep (BH)	65993
140-28988-18	UNIT_1-5-29_FO_RUN3-CONT 4	Total/NA	Air	AT Prep (BH)	65993
140-28988-25	UNIT_1-5-29_FO_RUN4-CONT 4	Total/NA	Air	AT Prep (BH)	65993
140-28988-32	UNIT_1-5-29_FO_RUN5-CONT 4	Total/NA	Air	AT Prep (BH)	65993
140-28988-39	UNIT_1-5-29_FO_RUN6-CONT 4	Total/NA	Air	AT Prep (BH)	65993
140-28988-46	UNIT_1-5-29_FO_RUN7-CONT 4	Total/NA	Air	AT Prep (BH)	65993
MB 140-65993/1-C	Method Blank	Total/NA	Air	AT Prep (BH)	65993
LCS 140-65993/2-C	Lab Control Sample	Total/NA	Air	AT Prep (BH)	65993

Analysis Batch: 66043

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-28988-5	UNIT_1-5-29_FO_RUN1-CONT 5A	Total/NA	Air	29/7470A	65934
140-28988-6	UNIT_1-5-29_FO_RUN1-CONT 5B	Total/NA	Air	29/7470A	65935
140-28988-12	UNIT_1-5-29_FO_RUN2-CONT 5A	Total/NA	Air	29/7470A	65934
140-28988-13	UNIT_1-5-29_FO_RUN2-CONT 5B	Total/NA	Air	29/7470A	65935
140-28988-19	UNIT_1-5-29_FO_RUN3-CONT 5A	Total/NA	Air	29/7470A	65934
140-28988-20	UNIT_1-5-29_FO_RUN3-CONT 5B	Total/NA	Air	29/7470A	65935
140-28988-26	UNIT_1-5-29_FO_RUN4-CONT 5A	Total/NA	Air	29/7470A	65934
140-28988-27	UNIT_1-5-29_FO_RUN4-CONT 5B	Total/NA	Air	29/7470A	65935
140-28988-33	UNIT_1-5-29_FO_RUN5-CONT 5A	Total/NA	Air	29/7470A	65934
140-28988-34	UNIT_1-5-29_FO_RUN5-CONT 5B	Total/NA	Air	29/7470A	65935
140-28988-40	UNIT_1-5-29_FO_RUN6-CONT 5A	Total/NA	Air	29/7470A	65934
140-28988-41	UNIT_1-5-29_FO_RUN6-CONT 5B	Total/NA	Air	29/7470A	65935
140-28988-47	UNIT_1-5-29_FO_RUN7-CONT 5A	Total/NA	Air	29/7470A	65934
140-28988-48	UNIT_1-5-29_FO_RUN7-CONT 5B	Total/NA	Air	29/7470A	65935
MB 140-65866/1-B	Method Blank	Total/NA	Air	29/7470A	65934
MB 140-65870/1-B	Method Blank	Total/NA	Air	29/7470A	65935
LCS 140-65866/2-B	Lab Control Sample	Total/NA	Air	29/7470A	65934
LCS 140-65870/2-B	Lab Control Sample	Total/NA	Air	29/7470A	65935

Analysis Batch: 66078

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-28988-4	UNIT_1-5-29_FO_RUN1-CONT 4	Total/NA	Air	29/7470A	66026
140-28988-7	UNIT_1-5-29_FO_RUN1-CONT 5C	Total/NA	Air	29/7470A	65990

Metals (Continued)

Analysis Batch: 66078 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-28988-11	UNIT_1-5-29_FO_RUN2-CONT 4	Total/NA	Air	29/7470A	66026
140-28988-14	UNIT_1-5-29_FO_RUN2-CONT 5C	Total/NA	Air	29/7470A	65990
140-28988-18	UNIT_1-5-29_FO_RUN3-CONT 4	Total/NA	Air	29/7470A	66026
140-28988-21	UNIT_1-5-29_FO_RUN3-CONT 5C	Total/NA	Air	29/7470A	65990
140-28988-25	UNIT_1-5-29_FO_RUN4-CONT 4	Total/NA	Air	29/7470A	66026
140-28988-28	UNIT_1-5-29_FO_RUN4-CONT 5C	Total/NA	Air	29/7470A	65990
140-28988-32	UNIT_1-5-29_FO_RUN5-CONT 4	Total/NA	Air	29/7470A	66026
140-28988-35	UNIT_1-5-29_FO_RUN5-CONT 5C	Total/NA	Air	29/7470A	65990
140-28988-39	UNIT_1-5-29_FO_RUN6-CONT 4	Total/NA	Air	29/7470A	66026
140-28988-42	UNIT_1-5-29_FO_RUN6-CONT 5C	Total/NA	Air	29/7470A	65990
140-28988-46	UNIT_1-5-29_FO_RUN7-CONT 4	Total/NA	Air	29/7470A	66026
140-28988-49	UNIT_1-5-29_FO_RUN7-CONT 5C	Total/NA	Air	29/7470A	65990
MB 140-65872/1-B	Method Blank	Total/NA	Air	29/7470A	65990
MB 140-65993/1-C	Method Blank	Total/NA	Air	29/7470A	66026
LCS 140-65872/2-B	Lab Control Sample	Total/NA	Air	29/7470A	65990
LCS 140-65993/2-C	Lab Control Sample	Total/NA	Air	29/7470A	66026

Cleanup Batch: 66179

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-28988-3	UNIT_1-5-29_FO_RUN1-CONT 1,2,3	Total/NA	Air	AT Prep FH	66006
140-28988-10	UNIT_1-5-29_FO_RUN2-CONT 1,2,3	Total/NA	Air	AT Prep FH	66006
140-28988-17	UNIT_1-5-29_FO_RUN3-CONT 1,2,3	Total/NA	Air	AT Prep FH	66006
140-28988-24	UNIT_1-5-29_FO_RUN4-CONT 1,2,3	Total/NA	Air	AT Prep FH	66006
140-28988-31	UNIT_1-5-29_FO_RUN5-CONT 1,2,3	Total/NA	Air	AT Prep FH	66006
140-28988-38	UNIT_1-5-29_FO_RUN6-CONT 1,2,3	Total/NA	Air	AT Prep FH	66006
140-28988-45	UNIT_1-5-29_FO_RUN7-CONT 1,2,3	Total/NA	Air	AT Prep FH	66006
MB 140-66006/1-B	Method Blank	Total/NA	Air	AT Prep FH	66006
LCS 140-66006/2-B	Lab Control Sample	Total/NA	Air	AT Prep FH	66006
LCSD 140-66006/3-B	Lab Control Sample Dup	Total/NA	Air	AT Prep FH	66006

Analysis Batch: 66250

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-28988-4	UNIT_1-5-29_FO_RUN1-CONT 4	Total/NA	Air	29/6010C	65920
140-28988-11	UNIT_1-5-29_FO_RUN2-CONT 4	Total/NA	Air	29/6010C	65920
140-28988-18	UNIT_1-5-29_FO_RUN3-CONT 4	Total/NA	Air	29/6010C	65920
140-28988-25	UNIT_1-5-29_FO_RUN4-CONT 4	Total/NA	Air	29/6010C	65920
140-28988-32	UNIT_1-5-29_FO_RUN5-CONT 4	Total/NA	Air	29/6010C	65920
140-28988-39	UNIT_1-5-29_FO_RUN6-CONT 4	Total/NA	Air	29/6010C	65920
140-28988-46	UNIT_1-5-29_FO_RUN7-CONT 4	Total/NA	Air	29/6010C	65920
MB 140-65920/1-A	Method Blank	Total/NA	Air	29/6010C	65920
LCS 140-65920/2-A	Lab Control Sample	Total/NA	Air	29/6010C	65920
LCSD 140-65920/3-A	Lab Control Sample Dup	Total/NA	Air	29/6010C	65920

Analysis Batch: 66275

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-28988-3	UNIT_1-5-29_FO_RUN1-CONT 1,2,3	Total/NA	Air	29/7470A	66179
140-28988-10	UNIT_1-5-29_FO_RUN2-CONT 1,2,3	Total/NA	Air	29/7470A	66179
140-28988-17	UNIT_1-5-29_FO_RUN3-CONT 1,2,3	Total/NA	Air	29/7470A	66179
140-28988-24	UNIT_1-5-29_FO_RUN4-CONT 1,2,3	Total/NA	Air	29/7470A	66179
140-28988-31	UNIT_1-5-29_FO_RUN5-CONT 1,2,3	Total/NA	Air	29/7470A	66179
140-28988-38	UNIT_1-5-29_FO_RUN6-CONT 1,2,3	Total/NA	Air	29/7470A	66179

Metals (Continued)

Analysis Batch: 66275 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-28988-45	UNIT_1-5-29_FO_RUN7-CONT 1,2,3	Total/NA	Air	29/7470A	66179
MB 140-66006/1-B	Method Blank	Total/NA	Air	29/7470A	66179
LCS 140-66006/2-B	Lab Control Sample	Total/NA	Air	29/7470A	66179
LCSD 140-66006/3-B	Lab Control Sample Dup	Total/NA	Air	29/7470A	66179

Analysis Batch: 66288

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-28988-3	UNIT_1-5-29_FO_RUN1-CONT 1,2,3	Total/NA	Air	29/6010C	66006
140-28988-10	UNIT_1-5-29_FO_RUN2-CONT 1,2,3	Total/NA	Air	29/6010C	66006
140-28988-17	UNIT_1-5-29_FO_RUN3-CONT 1,2,3	Total/NA	Air	29/6010C	66006
140-28988-24	UNIT_1-5-29_FO_RUN4-CONT 1,2,3	Total/NA	Air	29/6010C	66006
140-28988-31	UNIT_1-5-29_FO_RUN5-CONT 1,2,3	Total/NA	Air	29/6010C	66006
140-28988-38	UNIT_1-5-29_FO_RUN6-CONT 1,2,3	Total/NA	Air	29/6010C	66006
140-28988-45	UNIT_1-5-29_FO_RUN7-CONT 1,2,3	Total/NA	Air	29/6010C	66006
MB 140-66006/1-A	Method Blank	Total/NA	Air	29/6010C	66006
LCS 140-66006/2-A	Lab Control Sample	Total/NA	Air	29/6010C	66006
LCSD 140-66006/3-A	Lab Control Sample Dup	Total/NA	Air	29/6010C	66006

Analysis Batch: 66319

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-28988-3	UNIT_1-5-29_FO_RUN1-CONT 1,2,3	Total/NA	Air	29/6010C	66006
140-28988-10	UNIT_1-5-29_FO_RUN2-CONT 1,2,3	Total/NA	Air	29/6010C	66006
140-28988-17	UNIT_1-5-29_FO_RUN3-CONT 1,2,3	Total/NA	Air	29/6010C	66006
140-28988-24	UNIT_1-5-29_FO_RUN4-CONT 1,2,3	Total/NA	Air	29/6010C	66006
140-28988-31	UNIT_1-5-29_FO_RUN5-CONT 1,2,3	Total/NA	Air	29/6010C	66006
140-28988-38	UNIT_1-5-29_FO_RUN6-CONT 1,2,3	Total/NA	Air	29/6010C	66006
140-28988-45	UNIT_1-5-29_FO_RUN7-CONT 1,2,3	Total/NA	Air	29/6010C	66006

General Chemistry

Analysis Batch: 65953

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-28988-1	UNIT_1-5-29_FO_RUN1-CONT 1	Total/NA	Air	5	
140-28988-2	UNIT_1-5-29_FO_RUN1-CONT 2	Total/NA	Air	5	
140-28988-8	UNIT_1-5-29_FO_RUN2-CONT 1	Total/NA	Air	5	
140-28988-9	UNIT_1-5-29_FO_RUN2-CONT 2	Total/NA	Air	5	
140-28988-15	UNIT_1-5-29_FO_RUN3-CONT 1	Total/NA	Air	5	
140-28988-16	UNIT_1-5-29_FO_RUN3-CONT 2	Total/NA	Air	5	
140-28988-22	UNIT_1-5-29_FO_RUN4-CONT 1	Total/NA	Air	5	
140-28988-23	UNIT_1-5-29_FO_RUN4-CONT 2	Total/NA	Air	5	
140-28988-29	UNIT_1-5-29_FO_RUN5-CONT 1	Total/NA	Air	5	
140-28988-30	UNIT_1-5-29_FO_RUN5-CONT 2	Total/NA	Air	5	
140-28988-36	UNIT_1-5-29_FO_RUN6-CONT 1	Total/NA	Air	5	
140-28988-37	UNIT_1-5-29_FO_RUN6-CONT 2	Total/NA	Air	5	
140-28988-43	UNIT_1-5-29_FO_RUN7-CONT 1	Total/NA	Air	5	
140-28988-44	UNIT_1-5-29_FO_RUN7-CONT 2	Total/NA	Air	5	

Lab Chronicle

Client: TRC Environmental Corporation
Job ID: 140-28988-1
Project/Site: Georgia Power Mcintosh ICR-Unit 1 FO-M5/29

Client Sample ID: UNIT_1-5-29_FO_RUN1-CONT 1
Lab Sample ID: 140-28988-1
Date Collected: 09/17/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	5		1			65953	10/03/22 17:19	SJF	EET KNX
	Instrument ID: NOEQUIP									

Client Sample ID: UNIT_1-5-29_FO_RUN1-CONT 2
Lab Sample ID: 140-28988-2
Date Collected: 09/17/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	5		1			65953	10/03/22 17:19	SJF	EET KNX
	Instrument ID: NOEQUIP									

Client Sample ID: UNIT_1-5-29_FO_RUN1-CONT 1,2,3
Lab Sample ID: 140-28988-3
Date Collected: 09/17/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66288	10/12/22 17:07	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Analysis	29/6010C		2			66319	10/13/22 16:03	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Cleanup	AT Prep FH			5.00 mL	50.0 mL	66179	10/11/22 08:30	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66275	10/12/22 15:17	WRL	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_1-5-29_FO_RUN1-CONT 4
Lab Sample ID: 140-28988-4
Date Collected: 09/17/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (BH)			1 Sample	100 mL	65920	10/03/22 09:33	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66250	10/11/22 16:55	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Pre Prep	Air Train Vol.			1 Sample	100 mL	65993	10/05/22 13:00	LAH	EET KNX
Total/NA	Prep	AT Prep (BH)			2.5 mL	50 mL	66026	10/05/22 14:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66078	10/06/22 14:35	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_1-5-29_FO_RUN1-CONT 5A
Lab Sample ID: 140-28988-5
Date Collected: 09/17/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	100 mL	65866	10/03/22 07:30	LAH	EET KNX
Total/NA	Prep	AT Prep (Empty)			2.5 mL	50 mL	65934	10/04/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66043	10/05/22 13:56	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_1-5-29_FO_RUN1-CONT 5B
Lab Sample ID: 140-28988-6
Date Collected: 09/17/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	415 mL	65870	10/03/22 07:30	LAH	EET KNX
Total/NA	Prep	AT Prep (KMnO4)			25 mL	50 mL	65935	10/04/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66043	10/05/22 15:35	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_1-5-29_FO_RUN1-CONT 5C
Lab Sample ID: 140-28988-7
Date Collected: 09/17/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	275 mL	65872	10/03/22 08:00	LAH	EET KNX
Total/NA	Prep	AT Prep (HCl)			10 mL	50 mL	65990	10/05/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66078	10/06/22 12:46	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_1-5-29_FO_RUN2-CONT 1
Lab Sample ID: 140-28988-8
Date Collected: 09/17/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	5		1			65953	10/03/22 17:19	SJF	EET KNX
	Instrument ID: NOEQUIP									

Client Sample ID: UNIT_1-5-29_FO_RUN2-CONT 2
Lab Sample ID: 140-28988-9
Date Collected: 09/17/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	5		1			65953	10/03/22 17:19	SJF	EET KNX
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: TRC Environmental Corporation
Job ID: 140-28988-1
Project/Site: Georgia Power Mcintosh ICR-Unit 1 FO-M5/29

Client Sample ID: UNIT_1-5-29_FO_RUN2-CONT 1,2,3
Lab Sample ID: 140-28988-10
Date Collected: 09/17/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66288	10/12/22 17:30	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Analysis	29/6010C		2			66319	10/13/22 16:17	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Cleanup	AT Prep FH			5.00 mL	50.0 mL	66179	10/11/22 08:30	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66275	10/12/22 15:20	WRL	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_1-5-29_FO_RUN2-CONT 4
Lab Sample ID: 140-28988-11
Date Collected: 09/17/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (BH)			1 Sample	100 mL	65920	10/03/22 09:33	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66250	10/11/22 17:00	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Pre Prep	Air Train Vol.			1 Sample	100 mL	65993	10/05/22 13:00	LAH	EET KNX
Total/NA	Prep	AT Prep (BH)			2.5 mL	50 mL	66026	10/05/22 14:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66078	10/06/22 14:38	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_1-5-29_FO_RUN2-CONT 5A
Lab Sample ID: 140-28988-12
Date Collected: 09/17/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	100 mL	65866	10/03/22 07:30	LAH	EET KNX
Total/NA	Prep	AT Prep (Empty)			2.5 mL	50 mL	65934	10/04/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66043	10/05/22 13:58	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_1-5-29_FO_RUN2-CONT 5B
Lab Sample ID: 140-28988-13
Date Collected: 09/17/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	415 mL	65870	10/03/22 07:30	LAH	EET KNX
Total/NA	Prep	AT Prep (KMnO4)			25 mL	50 mL	65935	10/04/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66043	10/05/22 15:37	LAH	EET KNX
	Instrument ID: ADT									

Lab Chronicle

Client: TRC Environmental Corporation
Job ID: 140-28988-1
Project/Site: Georgia Power Mcintosh ICR-Unit 1 FO-M5/29

Client Sample ID: UNIT_1-5-29_FO_RUN2-CONT 5C
Lab Sample ID: 140-28988-14
Date Collected: 09/17/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	275 mL	65872	10/03/22 08:00	LAH	EET KNX
Total/NA	Prep	AT Prep (HCl)			10 mL	50 mL	65990	10/05/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66078	10/06/22 12:48	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_1-5-29_FO_RUN3-CONT 1
Lab Sample ID: 140-28988-15
Date Collected: 09/19/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	5		1			65953	10/03/22 17:19	SJF	EET KNX
	Instrument ID: NOEQUIP									

Client Sample ID: UNIT_1-5-29_FO_RUN3-CONT 2
Lab Sample ID: 140-28988-16
Date Collected: 09/19/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	5		1			65953	10/03/22 17:19	SJF	EET KNX
	Instrument ID: NOEQUIP									

Client Sample ID: UNIT_1-5-29_FO_RUN3-CONT 1,2,3
Lab Sample ID: 140-28988-17
Date Collected: 09/19/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66288	10/12/22 17:35	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Analysis	29/6010C		2			66319	10/13/22 16:23	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Cleanup	AT Prep FH			5.00 mL	50.0 mL	66179	10/11/22 08:30	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66275	10/12/22 15:23	WRL	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_1-5-29_FO_RUN3-CONT 4
Lab Sample ID: 140-28988-18
Date Collected: 09/19/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (BH)			1 Sample	100 mL	65920	10/03/22 09:33	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66250	10/11/22 17:05	KNC	EET KNX
	Instrument ID: DUO									

Client Sample ID: UNIT_1-5-29_FO_RUN3-CONT 4
Lab Sample ID: 140-28988-18

Date Collected: 09/19/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	100 mL	65993	10/05/22 13:00	LAH	EET KNX
Total/NA	Prep	AT Prep (BH)			2.5 mL	50 mL	66026	10/05/22 14:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66078	10/06/22 14:40	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_1-5-29_FO_RUN3-CONT 5A
Lab Sample ID: 140-28988-19

Date Collected: 09/19/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	100 mL	65866	10/03/22 07:30	LAH	EET KNX
Total/NA	Prep	AT Prep (Empty)			2.5 mL	50 mL	65934	10/04/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66043	10/05/22 14:01	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_1-5-29_FO_RUN3-CONT 5B
Lab Sample ID: 140-28988-20

Date Collected: 09/19/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	410 mL	65870	10/03/22 07:30	LAH	EET KNX
Total/NA	Prep	AT Prep (KMnO4)			25 mL	50 mL	65935	10/04/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66043	10/05/22 15:40	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_1-5-29_FO_RUN3-CONT 5C
Lab Sample ID: 140-28988-21

Date Collected: 09/19/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	295 mL	65872	10/03/22 08:00	LAH	EET KNX
Total/NA	Prep	AT Prep (HCl)			10 mL	50 mL	65990	10/05/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66078	10/06/22 12:51	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_1-5-29_FO_RUN4-CONT 1
Lab Sample ID: 140-28988-22

Date Collected: 09/19/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	5		1			65953	10/03/22 17:19	SJF	EET KNX
	Instrument ID: NOEQUIP									

Client Sample ID: UNIT_1-5-29_FO_RUN4-CONT 2
Lab Sample ID: 140-28988-23

Date Collected: 09/19/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	5		1			65953	10/03/22 17:19	SJF	EET KNX
	Instrument ID: NOEQUIP									

Client Sample ID: UNIT_1-5-29_FO_RUN4-CONT 1,2,3
Lab Sample ID: 140-28988-24

Date Collected: 09/19/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66288	10/12/22 17:40	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Analysis	29/6010C		2			66319	10/13/22 16:28	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Cleanup	AT Prep FH			5.00 mL	50.0 mL	66179	10/11/22 08:30	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66275	10/12/22 15:30	WRL	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_1-5-29_FO_RUN4-CONT 4
Lab Sample ID: 140-28988-25

Date Collected: 09/19/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (BH)			1 Sample	100 mL	65920	10/03/22 09:33	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66250	10/11/22 17:09	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Pre Prep	Air Train Vol.			1 Sample	100 mL	65993	10/05/22 13:00	LAH	EET KNX
Total/NA	Prep	AT Prep (BH)			2.5 mL	50 mL	66026	10/05/22 14:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66078	10/06/22 14:43	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_1-5-29_FO_RUN4-CONT 5A
Lab Sample ID: 140-28988-26

Date Collected: 09/19/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	100 mL	65866	10/03/22 07:30	LAH	EET KNX
Total/NA	Prep	AT Prep (Empty)			2.5 mL	50 mL	65934	10/04/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66043	10/05/22 14:03	LAH	EET KNX
	Instrument ID: ADT									

Lab Chronicle

Client: TRC Environmental Corporation
Job ID: 140-28988-1
Project/Site: Georgia Power Mcintosh ICR-Unit 1 FO-M5/29

Client Sample ID: UNIT_1-5-29_FO_RUN4-CONT 5B
Lab Sample ID: 140-28988-27
Date Collected: 09/19/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	405 mL	65870	10/03/22 07:30	LAH	EET KNX
Total/NA	Prep	AT Prep (KMnO4)			25 mL	50 mL	65935	10/04/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66043	10/05/22 15:42	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_1-5-29_FO_RUN4-CONT 5C
Lab Sample ID: 140-28988-28
Date Collected: 09/19/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	280 mL	65872	10/03/22 08:00	LAH	EET KNX
Total/NA	Prep	AT Prep (HCl)			10 mL	50 mL	65990	10/05/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66078	10/06/22 12:53	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_1-5-29_FO_RUN5-CONT 1
Lab Sample ID: 140-28988-29
Date Collected: 09/19/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	5		1			65953	10/03/22 17:19	SJF	EET KNX
	Instrument ID: NOEQUIP									

Client Sample ID: UNIT_1-5-29_FO_RUN5-CONT 2
Lab Sample ID: 140-28988-30
Date Collected: 09/19/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	5		1			65953	10/03/22 17:19	SJF	EET KNX
	Instrument ID: NOEQUIP									

Client Sample ID: UNIT_1-5-29_FO_RUN5-CONT 1,2,3
Lab Sample ID: 140-28988-31
Date Collected: 09/19/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66288	10/12/22 17:45	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Analysis	29/6010C		2			66319	10/13/22 16:33	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Cleanup	AT Prep FH			5.00 mL	50.0 mL	66179	10/11/22 08:30	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66275	10/12/22 15:33	WRL	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_1-5-29_FO_RUN5-CONT 4
Lab Sample ID: 140-28988-32
Date Collected: 09/19/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (BH)			1 Sample	100 mL	65920	10/03/22 09:33	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66250	10/11/22 17:14	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Pre Prep	Air Train Vol.			1 Sample	100 mL	65993	10/05/22 13:00	LAH	EET KNX
Total/NA	Prep	AT Prep (BH)			2.5 mL	50 mL	66026	10/05/22 14:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66078	10/06/22 14:46	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_1-5-29_FO_RUN5-CONT 5A
Lab Sample ID: 140-28988-33
Date Collected: 09/19/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	100 mL	65866	10/03/22 07:30	LAH	EET KNX
Total/NA	Prep	AT Prep (Empty)			2.5 mL	50 mL	65934	10/04/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66043	10/05/22 14:06	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_1-5-29_FO_RUN5-CONT 5B
Lab Sample ID: 140-28988-34
Date Collected: 09/19/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	420 mL	65870	10/03/22 07:30	LAH	EET KNX
Total/NA	Prep	AT Prep (KMnO4)			25 mL	50 mL	65935	10/04/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66043	10/05/22 15:45	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_1-5-29_FO_RUN5-CONT 5C
Lab Sample ID: 140-28988-35
Date Collected: 09/19/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	285 mL	65872	10/03/22 08:00	LAH	EET KNX
Total/NA	Prep	AT Prep (HCl)			10 mL	50 mL	65990	10/05/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66078	10/06/22 12:56	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_1-5-29_FO_RUN6-CONT 1
Lab Sample ID: 140-28988-36
Date Collected: 09/20/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	5		1			65953	10/03/22 17:19	SJF	EET KNX
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: TRC Environmental Corporation
Job ID: 140-28988-1
Project/Site: Georgia Power Mcintosh ICR-Unit 1 FO-M5/29

Client Sample ID: UNIT_1-5-29_FO_RUN6-CONT 2
Lab Sample ID: 140-28988-37
Date Collected: 09/20/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	5		1			65953	10/03/22 17:19	SJF	EET KNX
	Instrument ID: NOEQUIP									

Client Sample ID: UNIT_1-5-29_FO_RUN6-CONT 1,2,3
Lab Sample ID: 140-28988-38
Date Collected: 09/20/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66288	10/12/22 17:50	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Analysis	29/6010C		2			66319	10/13/22 16:38	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Cleanup	AT Prep FH			5.00 mL	50.0 mL	66179	10/11/22 08:30	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66275	10/12/22 15:35	WRL	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_1-5-29_FO_RUN6-CONT 4
Lab Sample ID: 140-28988-39
Date Collected: 09/20/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (BH)			1 Sample	100 mL	65920	10/03/22 09:33	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66250	10/11/22 17:19	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Pre Prep	Air Train Vol.			1 Sample	100 mL	65993	10/05/22 13:00	LAH	EET KNX
Total/NA	Prep	AT Prep (BH)			2.5 mL	50 mL	66026	10/05/22 14:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66078	10/06/22 14:48	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_1-5-29_FO_RUN6-CONT 5A
Lab Sample ID: 140-28988-40
Date Collected: 09/20/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	100 mL	65866	10/03/22 07:30	LAH	EET KNX
Total/NA	Prep	AT Prep (Empty)			2.5 mL	50 mL	65934	10/04/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66043	10/05/22 14:08	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_1-5-29_FO_RUN6-CONT 5B
Lab Sample ID: 140-28988-41
Date Collected: 09/20/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	390 mL	65870	10/03/22 07:30	LAH	EET KNX
Total/NA	Prep	AT Prep (KMnO4)			25 mL	50 mL	65935	10/04/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66043	10/05/22 15:47	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_1-5-29_FO_RUN6-CONT 5C
Lab Sample ID: 140-28988-42
Date Collected: 09/20/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	250 mL	65872	10/03/22 08:00	LAH	EET KNX
Total/NA	Prep	AT Prep (HCl)			10 mL	50 mL	65990	10/05/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66078	10/06/22 12:58	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_1-5-29_FO_RUN7-CONT 1
Lab Sample ID: 140-28988-43
Date Collected: 09/20/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	5		1			65953	10/03/22 17:19	SJF	EET KNX
	Instrument ID: NOEQUIP									

Client Sample ID: UNIT_1-5-29_FO_RUN7-CONT 2
Lab Sample ID: 140-28988-44
Date Collected: 09/20/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	5		1			65953	10/03/22 17:19	SJF	EET KNX
	Instrument ID: NOEQUIP									

Client Sample ID: UNIT_1-5-29_FO_RUN7-CONT 1,2,3
Lab Sample ID: 140-28988-45
Date Collected: 09/20/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66288	10/12/22 17:56	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Analysis	29/6010C		2			66319	10/13/22 16:43	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Cleanup	AT Prep FH			5.00 mL	50.0 mL	66179	10/11/22 08:30	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66275	10/12/22 15:38	WRL	EET KNX
	Instrument ID: ADT									

Lab Chronicle

Client: TRC Environmental Corporation
Job ID: 140-28988-1
Project/Site: Georgia Power Mcintosh ICR-Unit 1 FO-M5/29

Client Sample ID: UNIT_1-5-29_FO_RUN7-CONT 4
Lab Sample ID: 140-28988-46
Date Collected: 09/20/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (BH)			1 Sample	100 mL	65920	10/03/22 09:33	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66250	10/11/22 17:24	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Pre Prep	Air Train Vol.			1 Sample	100 mL	65993	10/05/22 13:00	LAH	EET KNX
Total/NA	Prep	AT Prep (BH)			2.5 mL	50 mL	66026	10/05/22 14:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66078	10/06/22 14:51	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_1-5-29_FO_RUN7-CONT 5A
Lab Sample ID: 140-28988-47
Date Collected: 09/20/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	100 mL	65866	10/03/22 07:30	LAH	EET KNX
Total/NA	Prep	AT Prep (Empty)			2.5 mL	50 mL	65934	10/04/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66043	10/05/22 14:11	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_1-5-29_FO_RUN7-CONT 5B
Lab Sample ID: 140-28988-48
Date Collected: 09/20/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	410 mL	65870	10/03/22 07:30	LAH	EET KNX
Total/NA	Prep	AT Prep (KMnO4)			25 mL	50 mL	65935	10/04/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66043	10/05/22 15:55	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_1-5-29_FO_RUN7-CONT 5C
Lab Sample ID: 140-28988-49
Date Collected: 09/20/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	280 mL	65872	10/03/22 08:00	LAH	EET KNX
Total/NA	Prep	AT Prep (HCl)			10 mL	50 mL	65990	10/05/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66078	10/06/22 13:01	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: Method Blank
Lab Sample ID: MB 140-65866/1-B
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	50 mL	65866	10/03/22 07:30	LAH	EET KNX
Total/NA	Prep	AT Prep (Empty)			2.5 mL	50 mL	65934	10/04/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66043	10/05/22 13:22	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: Method Blank
Lab Sample ID: MB 140-65870/1-B
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	50 mL	65870	10/03/22 07:30	LAH	EET KNX
Total/NA	Prep	AT Prep (KMnO4)			25 mL	50 mL	65935	10/04/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66043	10/05/22 15:04	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: Method Blank
Lab Sample ID: MB 140-65872/1-B
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	50 mL	65872	10/03/22 08:00	LAH	EET KNX
Total/NA	Prep	AT Prep (HCl)			10 mL	50 mL	65990	10/05/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66078	10/06/22 12:12	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: Method Blank
Lab Sample ID: MB 140-65920/1-A
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (BH)			1 Sample	100 mL	65920	10/03/22 09:33	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66250	10/11/22 14:06	KNC	EET KNX
	Instrument ID: DUO									

Client Sample ID: Method Blank
Lab Sample ID: MB 140-65993/1-C
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	100 mL	65993	10/05/22 13:00	LAH	EET KNX
Total/NA	Prep	AT Prep (BH)			2.5 mL	50 mL	66026	10/05/22 14:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66078	10/06/22 13:54	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: Method Blank
Lab Sample ID: MB 140-66006/1-A
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66288	10/12/22 12:31	KNC	EET KNX
	Instrument ID: DUO									

Client Sample ID: Method Blank
Lab Sample ID: MB 140-66006/1-B

Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Cleanup	AT Prep FH			5.00 mL	50.0 mL	66179	10/11/22 08:30	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66275	10/12/22 14:17	WRL	EET KNX
	Instrument ID: ADT									

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 140-65866/2-B

Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	50 mL	65866	10/03/22 07:30	LAH	EET KNX
Total/NA	Prep	AT Prep (Empty)			2.5 mL	50 mL	65934	10/04/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66043	10/05/22 13:25	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 140-65870/2-B

Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	50 mL	65870	10/03/22 07:30	LAH	EET KNX
Total/NA	Prep	AT Prep (KMnO4)			25 mL	50 mL	65935	10/04/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66043	10/05/22 15:07	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 140-65872/2-B

Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	50 mL	65872	10/03/22 08:00	LAH	EET KNX
Total/NA	Prep	AT Prep (HCl)			10 mL	50 mL	65990	10/05/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66078	10/06/22 12:15	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 140-65920/2-A

Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (BH)			1 Sample	100 mL	65920	10/03/22 09:33	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66250	10/11/22 14:10	KNC	EET KNX
	Instrument ID: DUO									

Lab Chronicle

Client: TRC Environmental Corporation
Job ID: 140-28988-1
Project/Site: Georgia Power Mcintosh ICR-Unit 1 FO-M5/29

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 140-65993/2-C
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	100 mL	65993	10/05/22 13:00	LAH	EET KNX
Total/NA	Prep	AT Prep (BH)			2.5 mL	50 mL	66026	10/05/22 14:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66078	10/06/22 13:57	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 140-66006/2-A
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66288	10/12/22 12:36	KNC	EET KNX
	Instrument ID: DUO									

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 140-66006/2-B
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Cleanup	AT Prep FH			5.00 mL	50.0 mL	66179	10/11/22 08:30	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66275	10/12/22 14:24	WRL	EET KNX
	Instrument ID: ADT									

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 140-65920/3-A
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (BH)			1 Sample	100 mL	65920	10/03/22 09:33	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66250	10/11/22 14:15	KNC	EET KNX
	Instrument ID: DUO									

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 140-66006/3-A
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66288	10/12/22 12:41	KNC	EET KNX
	Instrument ID: DUO									

Lab Chronicle

Client: TRC Environmental Corporation
Job ID: 140-28988-1
Project/Site: Georgia Power Mcintosh ICR-Unit 1 FO-M5/29

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 140-66006/3-B

Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Cleanup	AT Prep FH			5.00 mL	50.0 mL	66179	10/11/22 08:30	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66275	10/12/22 14:32	WRL	EET KNX
	Instrument ID: ADT									

Laboratory References:

EET KNX = Eurofins Knoxville, 5815 Middlebrook Pike, Knoxville, TN 37921, TEL (865)291-3000

Accreditation/Certification Summary

Client: TRC Environmental Corporation
Job ID: 140-28988-1
Project/Site: Georgia Power Mcintosh ICR-Unit 1 FO-M5/29

Laboratory: Eurofins Knoxville

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
	AFCEE	N/A	
ANAB	Dept. of Defense ELAP	L2311	02-13-25
ANAB	Dept. of Energy	L2311.01	02-13-25
ANAB	ISO/IEC 17025	L2311	02-13-25
Arkansas DEQ	State	88-0688	06-16-23
California	State	2423	06-30-22 *
Colorado	State	TN00009	02-28-23
Connecticut	State	PH-0223	09-30-23
Florida	NELAP	E87177	06-30-23
Georgia (DW)	State	906	12-11-22
Hawaii	State	NA	12-11-22
Kansas	NELAP	E-10349	10-31-22
Kentucky (DW)	State	90101	12-31-22
Louisiana	NELAP	83979	06-30-23
Louisiana (All)	NELAP	83979	06-30-23
Louisiana (DW)	State	LA019	12-31-22
Maryland	State	277	03-31-23
Michigan	State	9933	12-11-22
Nevada	State	TN00009	07-31-23
New Hampshire	NELAP	299919	01-17-23
New Jersey	NELAP	TN001	06-30-23
New York	NELAP	10781	03-31-23
North Carolina (DW)	State	21705	07-31-23
North Carolina (WW/SW)	State	64	12-31-22
Ohio VAP	State	CL0059	06-02-23
Oklahoma	State	9415	08-31-23
Oregon	NELAP	TNI0189	12-31-22
Pennsylvania	NELAP	68-00576	12-31-22
Tennessee	State	02014	07-27-25
Texas	NELAP	T104704380-22-17	08-31-23
US Fish & Wildlife	US Federal Programs	058448	07-31-23
USDA	US Federal Programs	P330-19-00236	12-31-22
Utah	NELAP	TN00009	07-31-23
Virginia	NELAP	460176	09-14-23
Washington	State	C593	01-19-23
West Virginia (DW)	State	9955C	12-31-22
West Virginia DEP	State	345	04-30-23
Wisconsin	State	998044300	08-31-23

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: TRC Environmental Corporation
Job ID: 140-28988-1
Project/Site: Georgia Power Mcintosh ICR-Unit 1 FO-M5/29

Method	Method Description	Protocol	Laboratory
29/6010C	Metals (ICP), Stationary Source	EPA	EET KNX
29/7470A	Mercury (CVAA), Stationary Source	EPA	EET KNX
5	Particulates	EPA	EET KNX
Air Train Vol.	Air Train Volume	None	EET KNX
AT Prep (BH)	Preparation, Mercury (Stationary Source)	EPA	EET KNX
AT Prep (BH)	Preparation, Total Metals (Stationary Source)	EPA	EET KNX
AT Prep (Empty)	Preparation, Mercury (Stationary Source)	EPA	EET KNX
AT Prep (FH)	Preparation, Total Metals (Stationary Source)	EPA	EET KNX
AT Prep (HCl)	Preparation, Mercury (Stationary Source)	EPA	EET KNX
AT Prep (KMnO4)	Preparation, Mercury (Stationary Source)	EPA	EET KNX
AT Prep FH	Preparation, Mercury (Stationary Source) FH	EPA	EET KNX

Protocol References:

EPA = US Environmental Protection Agency

None = None

Laboratory References:

EET KNX = Eurofins Knoxville, 5815 Middlebrook Pike, Knoxville, TN 37921, TEL (865)291-3000

Sample Summary

Client: TRC Environmental Corporation
Job ID: 140-28988-1
Project/Site: Georgia Power Mcintosh ICR-Unit 1 FO-M5/29

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
140-28988-1	UNIT_1-5-29_FO_RUN1-CONT 1	Air	09/17/22 00:00	09/28/22 19:45
140-28988-2	UNIT_1-5-29_FO_RUN1-CONT 2	Air	09/17/22 00:00	09/28/22 19:45
140-28988-3	UNIT_1-5-29_FO_RUN1-CONT 1,2,3	Air	09/17/22 00:00	09/28/22 19:45
140-28988-4	UNIT_1-5-29_FO_RUN1-CONT 4	Air	09/17/22 00:00	09/28/22 19:45
140-28988-5	UNIT_1-5-29_FO_RUN1-CONT 5A	Air	09/17/22 00:00	09/28/22 19:45
140-28988-6	UNIT_1-5-29_FO_RUN1-CONT 5B	Air	09/17/22 00:00	09/28/22 19:45
140-28988-7	UNIT_1-5-29_FO_RUN1-CONT 5C	Air	09/17/22 00:00	09/28/22 19:45
140-28988-8	UNIT_1-5-29_FO_RUN2-CONT 1	Air	09/17/22 00:00	09/28/22 19:45
140-28988-9	UNIT_1-5-29_FO_RUN2-CONT 2	Air	09/17/22 00:00	09/28/22 19:45
140-28988-10	UNIT_1-5-29_FO_RUN2-CONT 1,2,3	Air	09/17/22 00:00	09/28/22 19:45
140-28988-11	UNIT_1-5-29_FO_RUN2-CONT 4	Air	09/17/22 00:00	09/28/22 19:45
140-28988-12	UNIT_1-5-29_FO_RUN2-CONT 5A	Air	09/17/22 00:00	09/28/22 19:45
140-28988-13	UNIT_1-5-29_FO_RUN2-CONT 5B	Air	09/17/22 00:00	09/28/22 19:45
140-28988-14	UNIT_1-5-29_FO_RUN2-CONT 5C	Air	09/17/22 00:00	09/28/22 19:45
140-28988-15	UNIT_1-5-29_FO_RUN3-CONT 1	Air	09/19/22 00:00	09/28/22 19:45
140-28988-16	UNIT_1-5-29_FO_RUN3-CONT 2	Air	09/19/22 00:00	09/28/22 19:45
140-28988-17	UNIT_1-5-29_FO_RUN3-CONT 1,2,3	Air	09/19/22 00:00	09/28/22 19:45
140-28988-18	UNIT_1-5-29_FO_RUN3-CONT 4	Air	09/19/22 00:00	09/28/22 19:45
140-28988-19	UNIT_1-5-29_FO_RUN3-CONT 5A	Air	09/19/22 00:00	09/28/22 19:45
140-28988-20	UNIT_1-5-29_FO_RUN3-CONT 5B	Air	09/19/22 00:00	09/28/22 19:45
140-28988-21	UNIT_1-5-29_FO_RUN3-CONT 5C	Air	09/19/22 00:00	09/28/22 19:45
140-28988-22	UNIT_1-5-29_FO_RUN4-CONT 1	Air	09/19/22 00:00	09/28/22 19:45
140-28988-23	UNIT_1-5-29_FO_RUN4-CONT 2	Air	09/19/22 00:00	09/28/22 19:45
140-28988-24	UNIT_1-5-29_FO_RUN4-CONT 1,2,3	Air	09/19/22 00:00	09/28/22 19:45
140-28988-25	UNIT_1-5-29_FO_RUN4-CONT 4	Air	09/19/22 00:00	09/28/22 19:45
140-28988-26	UNIT_1-5-29_FO_RUN4-CONT 5A	Air	09/19/22 00:00	09/28/22 19:45
140-28988-27	UNIT_1-5-29_FO_RUN4-CONT 5B	Air	09/19/22 00:00	09/28/22 19:45
140-28988-28	UNIT_1-5-29_FO_RUN4-CONT 5C	Air	09/19/22 00:00	09/28/22 19:45
140-28988-29	UNIT_1-5-29_FO_RUN5-CONT 1	Air	09/19/22 00:00	09/28/22 19:45
140-28988-30	UNIT_1-5-29_FO_RUN5-CONT 2	Air	09/19/22 00:00	09/28/22 19:45
140-28988-31	UNIT_1-5-29_FO_RUN5-CONT 1,2,3	Air	09/19/22 00:00	09/28/22 19:45
140-28988-32	UNIT_1-5-29_FO_RUN5-CONT 4	Air	09/19/22 00:00	09/28/22 19:45
140-28988-33	UNIT_1-5-29_FO_RUN5-CONT 5A	Air	09/19/22 00:00	09/28/22 19:45
140-28988-34	UNIT_1-5-29_FO_RUN5-CONT 5B	Air	09/19/22 00:00	09/28/22 19:45
140-28988-35	UNIT_1-5-29_FO_RUN5-CONT 5C	Air	09/19/22 00:00	09/28/22 19:45
140-28988-36	UNIT_1-5-29_FO_RUN6-CONT 1	Air	09/20/22 00:00	09/28/22 19:45
140-28988-37	UNIT_1-5-29_FO_RUN6-CONT 2	Air	09/20/22 00:00	09/28/22 19:45
140-28988-38	UNIT_1-5-29_FO_RUN6-CONT 1,2,3	Air	09/20/22 00:00	09/28/22 19:45
140-28988-39	UNIT_1-5-29_FO_RUN6-CONT 4	Air	09/20/22 00:00	09/28/22 19:45
140-28988-40	UNIT_1-5-29_FO_RUN6-CONT 5A	Air	09/20/22 00:00	09/28/22 19:45
140-28988-41	UNIT_1-5-29_FO_RUN6-CONT 5B	Air	09/20/22 00:00	09/28/22 19:45
140-28988-42	UNIT_1-5-29_FO_RUN6-CONT 5C	Air	09/20/22 00:00	09/28/22 19:45
140-28988-43	UNIT_1-5-29_FO_RUN7-CONT 1	Air	09/20/22 00:00	09/28/22 19:45
140-28988-44	UNIT_1-5-29_FO_RUN7-CONT 2	Air	09/20/22 00:00	09/28/22 19:45
140-28988-45	UNIT_1-5-29_FO_RUN7-CONT 1,2,3	Air	09/20/22 00:00	09/28/22 19:45
140-28988-46	UNIT_1-5-29_FO_RUN7-CONT 4	Air	09/20/22 00:00	09/28/22 19:45
140-28988-47	UNIT_1-5-29_FO_RUN7-CONT 5A	Air	09/20/22 00:00	09/28/22 19:45
140-28988-48	UNIT_1-5-29_FO_RUN7-CONT 5B	Air	09/20/22 00:00	09/28/22 19:45
140-28988-49	UNIT_1-5-29_FO_RUN7-CONT 5C	Air	09/20/22 00:00	09/28/22 19:45

CHAIN OF CUSTODY RECORD

Project Name:	Georgia Power McIntosh ICR	**Project Manager:**	Jason Grizzle
Project No.:	491281	**TRC Office:**	AU4
Sampling Date(s):	9/16/22 to 09/17/22	**Phone No.:**	(720) 838-3857
Laboratory:	Testamerica	**PM Email:**	jgrizzle@trccompanies.com
Laboratory P.O.:	C491281		
Shipping Date(s):	09/28/22		
Shipper's Name:	TRC		

140-28988 Chain of Custody

Sample Code	Date Sampled	Container Size	Container G/P	MATRIX	Description	ANALYSIS	Box No.	Comments
Unit_1-5-29_NG_Run6_Cont2	09/16/22	250 ml	G	L	Method 5 FHR - Unit 1 Run 6 NG	Method 5		
Unit_1-5-29_NG_Run6_Cont3	09/16/22	250 ml	G	AQ	Method 29 FHR - Unit 1 Run 6 NG	Method 29		
Unit_1-5-29_NG_Run6_Cont4	09/16/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 1 Run 6 NG	Method 29		
Unit_1-5-29_NG_Run6_Cont5A	09/16/22	250 ml	G	L	Method 29 IMP 4 - Unit 1 Run 6 NG	Method 29		
Unit_1-5-29_NG_Run6_Cont5B	09/16/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 1 Run 6 NG	Method 29		
Unit_1-5-29_NG_Run6_Cont5C	09/16/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 1 Run 6 NG	Method 29		
Unit_1-5-29_NG_Run7_Cont1	09/16/22	Petri	G	S	Method 5 Sample Filter - Unit 1 Run 7 NG	Method 5		
Unit_1-5-29_NG_Run7_Cont2	09/16/22	250 ml	G	L	Method 5 FHR - Unit 1 Run 7 NG	Method 5		
Unit_1-5-29_NG_Run7_Cont3	09/16/22	250 ml	G	AQ	Method 29 FHR - Unit 1 Run 7 NG	Method 29		
Unit_1-5-29_NG_Run7_Cont4	09/16/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 1 Run 7 NG	Method 29		
Unit_1-5-29_NG_Run7_Cont5A	09/16/22	250 ml	G	L	Method 29 IMP 4 - Unit 1 Run 7 NG	Method 29		
Unit_1-5-29_NG_Run7_Cont5B	09/16/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 1 Run 7 NG	Method 29		
Unit_1-5-29_NG_Run7_Cont5C	09/16/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 1 Run 7 NG	Method 29		
Unit_1-5-29_FO_Run1_Cont1	09/17/22	Petri	G	S	Method 5 Sample Filter - Unit 1 Run 1 FO	Method 5		
Unit_1-5-29_FO_Run1_Cont2	09/17/22	250 ml	G	L	Method 5 FHR - Unit 1 Run 1 FO	Method 5		
Unit_1-5-29_FO_Run1_Cont3	09/17/22	250 ml	G	AQ	Method 29 FHR - Unit 1 Run 1 FO	Method 29		
Unit_1-5-29_FO_Run1_Cont4	09/17/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 1 Run 1 FO	Method 29		
Unit_1-5-29_FO_Run1_Cont5A	09/17/22	250 ml	G	L	Method 29 IMP 4 - Unit 1 Run 1 FO	Method 29		
Relinquished by:		**Date/Time:** 9-28-22 19:45			**Relinquished by:**		**Date/Time:**	
Received by: ESA-KNT		**Date/Time:** 9-28-22 19:45			**Received by:**		**Date/Time:**	
Remarks (*):								

TRC

AM-EMT-79_Rev 5.3 5/1/19

CHAIN OF CUSTODY RECORD

Project Name:	Georgia Power McIntosh ICR	**Project Manager:**	Jason Grizzle
Project No.:	491281	**TRC Office:**	AU4
Sampling Date(s):	9/17/22 to 09/17/22	**Phone No.:**	(720) 838-3857
Laboratory:	Testamerica	**PM Email:**	jgrizzle@trccompanies.com
Laboratory P.O.:	C491281		
Shipping Date(s):	09/28/22		
Shipper's Name:	TRC		

Sample Code	Date Sampled	Container Size	Container G/P	MATRIX	Description	ANALYSIS	Box No.	Comments
Unit_1-5-29_FO_Run1_Cont5B	09/17/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 1 Run 1 FO	Method 29		
Unit_1-5-29_FO_Run1_Cont5C	09/17/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 1 Run 1 FO	Method 29		
Unit_1-5-29_FO_Run2_Cont1	09/17/22	Petri	G	S	Method 5 Sample Filter - Unit 1 Run 2 FO	Method 5		
Unit_1-5-29_FO_Run2_Cont2	09/17/22	250 ml	G	L	Method 5 FHR - Unit 1 Run 2 FO	Method 5		
Unit_1-5-29_FO_Run2_Cont3	09/17/22	250 ml	G	AQ	Method 29 FHR - Unit 1 Run 2 FO	Method 29		
Unit_1-5-29_FO_Run2_Cont4	09/17/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 1 Run 2 FO	Method 29		

Relinquished by:	**Date/Time:** 9-28-22 19:45	**Relinquished by:**	**Date/Time:**
Received by: FEDEX	**Date/Time:** 9-28-22 19:45	**Received by:**	**Date/Time:**
Remarks (*):			

TRC

AM-EMT-79_Rev 5.3 5/1/19

CHAIN OF CUSTODY RECORD

Project Name:	Georgia Power McIntosh ICR	**Project Manager:**	Jason Grizzle
Project No.:	491281	**TRC Office:**	AU4
Sampling Date(s):	9/17/22 to 09/19/22	**Phone No.:**	(720) 838-3857
Laboratory:	Testamerica	**PM Email:**	jgrizzle@trccompanies.com
Laboratory P.O.:	C491281		
Shipping Date(s):	09/28/22		
Shipper's Name:	TRC		

Sample Code	Date Sampled	Container Size	Container G/P	MATRIX	Description	ANALYSIS	Box No.	Comments
Unit_1-5-29_FO_Run2_Cont5A	09/17/22	250 ml	G	L	Method 29 IMP 4 - Unit 1 Run 2 FO	Method 5		
Unit_1-5-29_FO_Run2_Cont5B	09/17/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 1 Run 2 FO	Method 5		
Unit_1-5-29_FO_Run2_Cont5C	09/17/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 1 Run 2 FO	Method 29		
Blank_Acetone_Cont7	09/17/22	250 ml	G	L	Actone blank	Method 5		
Blank_HNO3_Cont8A	09/17/22	500 ml	G	L	0.1N HNO3 blank	Method 29		
Blank_DIH2O_Cont8B	09/17/22	250 ml	G	L	DI H2O blank	Method 29		
Blank_HNO3-H2O2-Cont10	09/17/22	250 ml	G	L	5% HNO3 / 10% H2O2 blank	Method 29		
Blank_KMnO4-H2SO4-Cont10	09/17/22	250 ml	G	L	4% KMnO4 / 10% H2SO4 blank	Method 29		
Blank_8N-HCl_Cont11	09/17/22	500 ml	G	L	8N HCl blank	Method 29		
Blank_SampleFilters_Cont12	09/17/22	Petri	G	S	Sample filter blanks	Method 29		
Unit_1-5-29_FO_Run3_Cont1	09/19/22	Petri	G	S	Method 5 Sample Filter - Unit 1 Run 3 FO	Method 5		
Unit_1-5-29_FO_Run3_Cont2	09/19/22	250 ml	G	L	Method 5 FHR - Unit 1 Run 3 FO	Method 5		
Unit_1-5-29_FO_Run3_Cont3	09/19/22	250 ml	G	AQ	Method 29 FHR - Unit 1 Run 3 FO	Method 29		
Unit_1-5-29_FO_Run3_Cont4	09/19/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 1 Run 3 FO	Method 29		
Unit_1-5-29_FO_Run3_Cont5A	09/19/22	250 ml	G	L	Method 29 IMP 4 - Unit 1 Run 3 FO	Method 29		
Unit_1-5-29_FO_Run3_Cont5B	09/19/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 1 Run 3 FO	Method 29		
Unit_1-5-29_FO_Run3_Cont5C	09/19/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 1 Run 3 FO	Method 29		
Unit_1-5-29_FO_Run4_Cont1	09/19/22	Petri	G	S	Method 5 Sample Filter - Unit 1 Run 4 FO	Method 5		

Relinquished by:	Date/Time: 9-28-22 19:45	**Relinquished by:**	**Date/Time:**
Received by: EVF Kurx	Date/Time: 9-28-22 19:45	**Received by:**	**Date/Time:**

Remarks (*):

TRC

AM-EMT-79_Rev 5.3 5/1/19

CHAIN OF CUSTODY RECORD

Project Name:	Georgia Power McIntosh ICR	**Project Manager:**	Jason Grizzle
Project No.:	491281	**TRC Office:**	AU4
Sampling Date(s):	9/19/22 to 09/20/22	**Phone No.:**	(720) 838-3857
Laboratory:	Testamerica	**PM Email:**	jgrizzle@trccompanies.com
Laboratory P.O.:	C491281		
Shipping Date(s):	09/28/22		
Shipper's Name:	TRC		

Sample Code	Date Sampled	Container Size	Container G/P	MATRIX	Description	ANALYSIS	Box No.	Comments
Unit_1-5-29_FO_Run4_Cont2	09/19/22	250 ml	G	L	Method 5 FHR - Unit 1 Run 4 FO	Method 5		
Unit_1-5-29_FO_Run4_Cont3	09/19/22	250 ml	G	AQ	Method 29 FHR - Unit 1 Run 4 FO	Method 29		
Unit_1-5-29_FO_Run4_Cont4	09/19/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 1 Run 4 FO	Method 29		
Unit_1-5-29_FO_Run4_Cont5A	09/19/22	250 ml	G	L	Method 29 IMP 4 - Unit 1 Run 4 FO	Method 29		
Unit_1-5-29_FO_Run4_Cont5B	09/19/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 1 Run 4 FO	Method 29		
Unit_1-5-29_FO_Run4_Cont5C	09/19/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 1 Run 4 FO	Method 29		
Unit_1-5-29_FO_Run5_Cont1	09/19/22	Petri	G	S	Method 5 Sample Filter - Unit 1 Run 5 FO	Method 5		
Unit_1-5-29_FO_Run5_Cont2	09/19/22	250 ml	G	L	Method 5 FHR - Unit 1 Run 5 FO	Method 5		
Unit_1-5-29_FO_Run5_Cont3	09/19/22	250 ml	G	AQ	Method 29 FHR - Unit 1 Run 5 FO	Method 29		
Unit_1-5-29_FO_Run5_Cont4	09/19/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 1 Run 5 FO	Method 29		
Unit_1-5-29_FO_Run5_Cont5A	09/19/22	250 ml	G	L	Method 29 IMP 4 - Unit 1 Run 5 FO	Method 29		
Unit_1-5-29_FO_Run5_Cont5B	09/19/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 1 Run 5 FO	Method 29		
Unit_1-5-29_FO_Run5_Cont5C	09/19/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 1 Run 5 FO	Method 29		
Unit_1-5-29_FO_Run6_Cont1	09/20/22	Petri	G	S	Method 5 Sample Filter - Unit 1 Run 6 FO	Method 5		
Unit_1-5-29_FO_Run6_Cont2	09/20/22	250 ml	G	L	Method 5 FHR - Unit 1 Run 6 FO	Method 5		
Unit_1-5-29_FO_Run6_Cont3	09/20/22	250 ml	G	AQ	Method 29 FHR - Unit 1 Run 6 FO	Method 29		
Unit_1-5-29_FO_Run6_Cont4	09/20/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 1 Run 6 FO	Method 29		
Unit_1-5-29_FO_Run6_Cont5A	09/20/22	250 ml	G	L	Method 29 IMP 4 - Unit 1 Run 6 FO	Method 29		

Relinquished by: [signature]	**Date/Time:** 9-28-22 19:45	**Relinquished by:**	**Date/Time:**
Received by: [signature] ETA Kux	**Date/Time:** 9-28-22 19:45	**Received by:**	**Date/Time:**

Remarks (*):

TRC

AM-EMT-79_Rev 5.3 5/1/19

CHAIN OF CUSTODY RECORD

Project Name:	Georgia Power McIntosh ICR	**Project Manager:**	Jason Grizzle
Project No.:	491281	**TRC Office:**	AU4
Sampling Date(s):	9/20/22 to 09/21/22	**Phone No.:**	(720) 838-3857
Laboratory:	Testamerica	**PM Email:**	jgrizzle@trccompanies.com
Laboratory P.O.:	C491281		
Shipping Date(s):	09/28/22		
Shipper's Name:	TRC		

Sample Code	Date Sampled	Container Size	Container G/P	MATRIX	Description	ANALYSIS	Box No.	Comments
Unit_1-5-29_FO_Run6_Cont5B	09/20/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 1 Run 6 FO	Method 29		
Unit_1-5-29_FO_Run6_Cont5C	09/20/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 1 Run 6 FO	Method 29		
Unit_1-5-29_FO_Run7_Cont1	09/20/22	Petri	G	S	Method 5 Sample Filter - Unit 1 Run 7 FO	Method 5		
Unit_1-5-29_FO_Run7_Cont2	09/20/22	250 ml	G	L	Method 5 FHR - Unit 1 Run 7 FO	Method 5		
Unit_1-5-29_FO_Run7_Cont3	09/20/22	250 ml	G	AQ	Method 29 FHR - Unit 1 Run 7 FO	Method 29		
Unit_1-5-29_FO_Run7_Cont4	09/20/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 1 Run 7 FO	Method 29		
Unit_1-5-29_FO_Run7_Cont5A	09/20/22	250 ml	G	L	Method 29 IMP 4 - Unit 1 Run 7 FO	Method 29		
Unit_1-5-29_FO_Run7_Cont5B	09/20/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 1 Run 7 FO	Method 29		
Unit_1-5-29_FO_Run7_Cont5C	09/20/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 1 Run 7 FO	Method 29		
Unit_2-5-29_NG_Run1_Cont1	09/21/22	Petri	G	S	Method 5 Sample Filter - Unit 2 Run 1 NG	Method 5		
Unit_2-5-29_NG_Run1_Cont2	09/21/22	250 ml	G	L	Method 5 FHR - Unit 2 Run 1 NG	Method 5		
Unit_2-5-29_NG_Run1_Cont3	09/21/22	250 ml	G	AQ	Method 29 FHR - Unit 2 Run 1 NG	Method 29		
Unit_2-5-29_NG_Run1_Cont4	09/21/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 2 Run 1 NG	Method 29		
Unit_2-5-29_NG_Run1_Cont5A	09/21/22	250 ml	G	L	Method 29 IMP 4 - Unit 2 Run 1 NG	Method 29		
Unit_2-5-29_NG_Run1_Cont5B	09/21/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 2 Run 1 NG	Method 29		
Unit_2-5-29_NG_Run1_Cont5C	09/21/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 2 Run 1 NG	Method 29		
Unit_2-5-29_NG_Run2_Cont1	09/21/22	Petri	G	S	Method 5 Sample Filter - Unit 2 Run 2 NG	Method 5		
Unit_2-5-29_NG_Run2_Cont2	09/21/22	250 ml	G	L	Method 5 FHR - Unit 2 Run 2 NG	Method 5		

Relinquished by:	Date/Time: 9-28-22 19:45	**Relinquished by:**	**Date/Time:**
Received by:	Date/Time: 9-28-22 19:45	**Received by:**	**Date/Time:**

Remarks (*):

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AM-EMT-79_Rev 5.3 5/1/19

CHAIN OF CUSTODY RECORD

Project Name:	Georgia Power McIntosh ICR	**Project Manager:**	Jason Grizzle
Project No.:	491281	**TRC Office:**	AU4
Sampling Date(s):	9/14/22 to 09/15/22	**Phone No.:**	(720) 838-3857
Laboratory:	Testamerica	**PM Email:**	jgrizzle@trccompanies.com
Laboratory P.O.:	C491281		
Shipping Date(s):	09/28/22		
Shipper's Name:	TRC		

140-28983 Chain of Custody

Sample Code	Date Sampled	Container Size	Container G/P	MATRIX	Description	ANALYSIS	Box No.	Comments
Unit_1-5-29_NG_Run1_Cont1	09/14/22	Petri	G	S	Method 5 Sample Filter - Unit 1 Run 1 NG	Method 5		
Unit_1-5-29_NG_Run1_Cont2	09/14/22	250 ml	G	L	Method 5 FHR - Unit 1 Run 1 NG	Method 5		
Unit_1-5-29_NG_Run1_Cont3	09/14/22	250 ml	G	AQ	Method 29 FHR - Unit 1 Run 1 NG	Method 29		
Unit_1-5-29_NG_Run1_Cont4	09/14/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 1 Run 1 NG	Method 29		
Unit_1-5-29_NG_Run1_Cont5A	09/14/22	250 ml	G	L	Method 29 IMP 4 - Unit 1 Run 1 NG	Method 29		
Unit_1-5-29_NG_Run1_Cont5B	09/14/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 1 Run 1 NG	Method 29		
Unit_1-5-29_NG_Run1_Cont5C	09/14/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 1 Run 1 NG	Method 29		
Unit_1-5-29_NG_Run2_Cont1	09/14/22	Petri	G	S	Method 5 Sample Filter - Unit 1 Run 2 NG	Method 5		
Unit_1-5-29_NG_Run2_Cont2	09/14/22	250 ml	G	L	Method 5 FHR - Unit 1 Run 2 NG	Method 5		
Unit_1-5-29_NG_Run2_Cont3	09/14/22	250 ml	G	AQ	Method 29 FHR - Unit 1 Run 2 NG	Method 29		
Unit_1-5-29_NG_Run2_Cont4	09/14/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 1 Run 2 NG	Method 29		
Unit_1-5-29_NG_Run2_Cont5A	09/14/22	250 ml	G	L	Method 29 IMP 4 - Unit 1 Run 2 NG	Method 29		
Unit_1-5-29_NG_Run2_Cont5B	09/14/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 1 Run 2 NG	Method 29		
Unit_1-5-29_NG_Run2_Cont5C	09/14/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 1 Run 2 NG	Method 29		
Unit_1-5-29_NG_Run3_Cont1	09/15/22	Petri	G	S	Method 5 Sample Filter - Unit 1 Run 3 NG	Method 5		
Unit_1-5-29_NG_Run3_Cont2	09/15/22	250 ml	G	L	Method 5 FHR - Unit 1 Run 3 NG	Method 5		
Unit_1-5-29_NG_Run3_Cont3	09/15/22	250 ml	G	AQ	Method 29 FHR - Unit 1 Run 3 NG	Method 29		
Unit_1-5-29_NG_Run3_Cont4	09/15/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 1 Run 3 NG	Method 29		

Relinquished by:	**Date/Time:** 9-28-22 19:45	**Relinquished by:**	**Date/Time:**
Received by:	**Date/Time:** 9-28-22 19:45	**Received by:**	**Date/Time:**

Remarks (*):

TRC

AM-EMT-79_Rev 5.3 5/1/19

CHAIN OF CUSTODY RECORD

Project Name:	Georgia Power McIntosh ICR	**Project Manager:**	Jason Grizzle
Project No.:	491281	**TRC Office:**	AU4
Sampling Date(s):	9/15/22 to 09/16/22	**Phone No.:**	(720) 838-3857
Laboratory:	Testamerica	**PM Email:**	jgrizzle@trccompanies.com
Laboratory P.O.:	C491281		
Shipping Date(s):	09/28/22		
Shipper's Name:	TRC		

Sample Code	Date Sampled	Container Size	Container G/P	MATRIX	Description	ANALYSIS	Box No.	Comments
Unit_1-5-29_NG_Run3_Cont5A	09/15/22	250 ml	G	L	Method 29 IMP 4 - Unit 1 Run 3 NG	Method 29		
Unit_1-5-29_NG_Run3_Cont5B	09/15/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 1 Run 3 NG	Method 29		
Unit_1-5-29_NG_Run3_Cont5C	09/15/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 1 Run 3 NG	Method 29		
Unit_1-5-29_NG_Run4_Cont1	09/15/22	Petri	G	S	Method 5 Sample Filter - Unit 1 Run 4 NG	Method 5		
Unit_1-5-29_NG_Run4_Cont2	09/15/22	250 ml	G	L	Method 5 FHR - Unit 1 Run 4 NG	Method 5		
Unit_1-5-29_NG_Run4_Cont3	09/15/22	250 ml	G	AQ	Method 29 FHR - Unit 1 Run 4 NG	Method 29		
Unit_1-5-29_NG_Run4_Cont4	09/15/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 1 Run 4 NG	Method 29		
Unit_1-5-29_NG_Run4_Cont5A	09/15/22	250 ml	G	L	Method 29 IMP 4 - Unit 1 Run 4 NG	Method 29		
Unit_1-5-29_NG_Run4_Cont5B	09/15/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 1 Run 4 NG	Method 29		
Unit_1-5-29_NG_Run4_Cont5C	09/15/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 1 Run 4 NG	Method 29		
Unit_1-5-29_NG_Run5_Cont1	09/15/22	Petri	G	S	Method 5 Sample Filter - Unit 1 Run 5 NG	Method 5		
Unit_1-5-29_NG_Run5_Cont2	09/15/22	250 ml	G	L	Method 5 FHR - Unit 1 Run 5 NG	Method 5		
Unit_1-5-29_NG_Run5_Cont3	09/15/22	250 ml	G	AQ	Method 29 FHR - Unit 1 Run 5 NG	Method 29		
Unit_1-5-29_NG_Run5_Cont4	09/15/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 1 Run 5 NG	Method 29		
Unit_1-5-29_NG_Run5_Cont5A	09/15/22	250 ml	G	L	Method 29 IMP 4 - Unit 1 Run 5 NG	Method 29		
Unit_1-5-29_NG_Run5_Cont5B	09/15/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 1 Run 5 NG	Method 29		
Unit_1-5-29_NG_Run5_Cont5C	09/15/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 1 Run 5 NG	Method 29		
Unit_1-5-29_NG_Run6_Cont1	09/16/22	Petri	G	S	Method 5 Sample Filter - Unit 1 Run 6 NG	Method 5		

Relinquished by:	**Date/Time:** 9-28-22 19:45	**Relinquished by:**	**Date/Time:**
Received by:	**Date/Time:** 9-28-22 19:45	**Received by:**	**Date/Time:**

Remarks (*):

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AM-EMT-79_Rev 5.3 5/1/19

CHAIN OF CUSTODY RECORD

Project Name:	Georgia Power McIntosh ICR	**Project Manager:**	Jason Grizzle
Project No.:	491281	**TRC Office:**	AU4
Sampling Date(s):	9/16/22 to 09/17/22	**Phone No.:**	(720) 838-3857
Laboratory:	Testamerica	**PM Email:**	jgrizzle@trccompanies.com
Laboratory P.O.:	C491281		
Shipping Date(s):	09/28/22		
Shipper's Name:	TRC		

Sample Code	Date Sampled	Container Size	Container G/P	MATRIX	Description	ANALYSIS	Box No.	Comments
Unit_1-5-29_NG_Run6_Cont2	09/16/22	250 ml	G	L	Method 5 FHR - Unit 1 Run 6 NG	Method 5		
Unit_1-5-29_NG_Run6_Cont3	09/16/22	250 ml	G	AQ	Method 29 FHR - Unit 1 Run 6 NG	Method 29		
Unit_1-5-29_NG_Run6_Cont4	09/16/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 1 Run 6 NG	Method 29		
Unit_1-5-29_NG_Run6_Cont5A	09/16/22	250 ml	G	L	Method 29 IMP 4 - Unit 1 Run 6 NG	Method 29		
Unit_1-5-29_NG_Run6_Cont5B	09/16/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 1 Run 6 NG	Method 29		
Unit_1-5-29_NG_Run6_Cont5C	09/16/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 1 Run 6 NG	Method 29		
Unit_1-5-29_NG_Run7_Cont1	09/16/22	Petri	G	S	Method 5 Sample Filter - Unit 1 Run 7 NG	Method 5		
Unit_1-5-29_NG_Run7_Cont2	09/16/22	250 ml	G	L	Method 5 FHR - Unit 1 Run 7 NG	Method 5		
Unit_1-5-29_NG_Run7_Cont3	09/16/22	250 ml	G	AQ	Method 29 FHR - Unit 1 Run 7 NG	Method 29		
Unit_1-5-29_NG_Run7_Cont4	09/16/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 1 Run 7 NG	Method 29		
Unit_1-5-29_NG_Run7_Cont5A	09/16/22	250 ml	G	L	Method 29 IMP 4 - Unit 1 Run 7 NG	Method 29		
Unit_1-5-29_NG_Run7_Cont5B	09/16/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 1 Run 7 NG	Method 29		
Unit_1-5-29_NG_Run7_Cont5C	09/16/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 1 Run 7 NG	Method 29		
Unit_1-5-29_FO_Run1_Cont1	09/17/22	Petri	G	S	Method 5 Sample Filter - Unit 1 Run 1 FO	Method 5		
Unit_1-5-29_FO_Run1_Cont2	09/17/22	250 ml	G	L	Method 5 FHR - Unit 1 Run 1 FO	Method 5		
Unit_1-5-29_FO_Run1_Cont3	09/17/22	250 ml	G	AQ	Method 29 FHR - Unit 1 Run 1 FO	Method 29		
Unit_1-5-29_FO_Run1_Cont4	09/17/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 1 Run 1 FO	Method 29		
Unit_1-5-29_FO_Run1_Cont5A	09/17/22	250 ml	G	L	Method 29 IMP 4 - Unit 1 Run 1 FO	Method 29		
Relinquished by:		**Date/Time:**			**Relinquished by:**		**Date/Time:**	
Received by:		**Date/Time:**			**Received by:**		**Date/Time:**	
Remarks (*):								

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CHAIN OF CUSTODY RECORD

Project Name:	Georgia Power McIntosh ICR	Project Manager:	Jason Grizzle
Project No.:	491281	TRC Office:	AU4
Sampling Date(s):	9/20/22 to 09/21/22	Phone No.:	(720) 838-3857
Laboratory:	Testamerica	PM Email:	jgrizzle@trccompanies.com
Laboratory P.O.:	C491281		
Shipping Date(s):	09/28/22		
Shipper's Name:	TRC		

Sample Code	Date Sampled	Container Size	Container G/P	MATRIX	Description	ANALYSIS	Box No.	Comments
Unit_1-5-29_FO_Run6_Cont5B	09/20/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 1 Run 6 FO	Method 29		
Unit_1-5-29_FO_Run6_Cont5C	09/20/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 1 Run 6 FO	Method 29		
Unit_1-5-29_FO_Run7_Cont1	09/20/22	Petri	G	S	Method 5 Sample Filter - Unit 1 Run 7 FO	Method 5		
Unit_1-5-29_FO_Run7_Cont2	09/20/22	250 ml	G	L	Method 5 FHR - Unit 1 Run 7 FO	Method 5		
Unit_1-5-29_FO_Run7_Cont3	09/20/22	250 ml	G	AQ	Method 29 FHR - Unit 1 Run 7 FO	Method 29		
Unit_1-5-29_FO_Run7_Cont4	09/20/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 1 Run 7 FO	Method 29		
Unit_1-5-29_FO_Run7_Cont5A	09/20/22	250 ml	G	L	Method 29 IMP 4 - Unit 1 Run 7 FO	Method 29		
Unit_1-5-29_FO_Run7_Cont5B	09/20/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 1 Run 7 FO	Method 29		
Unit_1-5-29_FO_Run7_Cont5C	09/20/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 1 Run 7 FO	Method 29		
Unit_2-5-29_NG_Run1_Cont1	09/21/22	Petri	G	S	Method 5 Sample Filter - Unit 2 Run 1 NG	Method 5		
Unit_2-5-29_NG_Run1_Cont2	09/21/22	250 ml	G	L	Method 5 FHR - Unit 2 Run 1 NG	Method 5		
Unit_2-5-29_NG_Run1_Cont3	09/21/22	250 ml	G	AQ	Method 29 FHR - Unit 2 Run 1 NG	Method 29		
Unit_2-5-29_NG_Run1_Cont4	09/21/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 2 Run 1 NG	Method 29		
Unit_2-5-29_NG_Run1_Cont5A	09/21/22	250 ml	G	L	Method 29 IMP 4 - Unit 2 Run 1 NG	Method 29		
Unit_2-5-29_NG_Run1_Cont5B	09/21/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 2 Run 1 NG	Method 29		
Unit_2-5-29_NG_Run1_Cont5C	09/21/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 2 Run 1 NG	Method 29		
Unit_2-5-29_NG_Run2_Cont1	09/21/22	Petri	G	S	Method 5 Sample Filter - Unit 2 Run 2 NG	Method 5		
Unit_2-5-29_NG_Run2_Cont2	09/21/22	250 ml	G	L	Method 5 FHR - Unit 2 Run 2 NG	Method 5		
Relinquished by: [signature]		Date/Time: 9-28-22/19:45			Relinquished by:		Date/Time:	
Received by:		Date/Time:			Received by:		Date/Time:	
Remarks (*):								

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CHAIN OF CUSTODY RECORD

Project Name:	Georgia Power McIntosh ICR	**Project Manager:**	Jason Grizzle
Project No.:	491281	**TRC Office:**	AU4
Sampling Date(s):	9/21/22 to 09/22/22	**Phone No.:**	(720) 838-3857
Laboratory:	Testamerica	**PM Email:**	jgrizzle@trccompanies.com
Laboratory P.O.:	C491281		
Shipping Date(s):	09/28/22		
Shipper's Name:	TRC		

Sample Code	Date Sampled	Container Size	Container G/P	MATRIX	Description	ANALYSIS	Box No.	Comments
Unit_2-5-29_NG_Run2_Cont3	09/21/22	250 ml	G	AQ	Method 29 FHR - Unit 2 Run 2 NG	Method 29		
Unit_2-5-29_NG_Run2_Cont4	09/21/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 2 Run 2 NG	Method 29		
Unit_2-5-29_NG_Run2_Cont5A	09/21/22	250 ml	G	L	Method 29 IMP 4 - Unit 2 Run 2 NG	Method 29		
Unit_2-5-29_NG_Run2_Cont5B	09/21/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 2 Run 2 NG	Method 29		
Unit_2-5-29_NG_Run2_Cont5C	09/21/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 2 Run 2 NG	Method 29		
Unit_2-5-29_NG_Run3_Cont1	09/22/22	Petri	G	S	Method 5 Sample Filter - Unit 2 Run 3 NG	Method 5		

Relinquished by:	Date/Time: 9-28-22 19:45	**Relinquished by:**	**Date/Time:**
Received by:	**Date/Time:**	**Received by:**	**Date/Time:**
Remarks (*):			

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CHAIN OF CUSTODY RECORD

roject Name: Georgia Power McIntosh ICR
roject No.: 491281
ampling Date(s): 9/21/22 to 09/27/22
aboratory: Testamerica
aboratory P.O.: C491281
hipping Date(s): 09/28/22
hipper's Name: TRC

Project Manager: Jason Grizzle
TRC Office: AU4
Phone No.: (720) 838-3857
PM Email: jgrizzle@trccompanies.com

Sample Code	Date Sampled	Container Size	Container G/P	MATRIX	Description	ANALYSIS	Box No.	Comments
Unit_2-5-29_NG_Run3_Cont2	09/22/22	250 ml	G	L	Method 5 FHR - Unit 2 Run 3 NG	Method 5		
Unit_2-5-29_NG_Run3_Cont3	09/22/22	250 ml	G	AQ	Method 29 FHR - Unit 2 Run 3 NG	Method 29		
Unit_2-5-29_NG_Run3_Cont4	09/22/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 2 Run 3 NG	Method 29		
Unit_2-5-29_NG_Run3_Cont5A	09/22/22	250 ml	G	L	Method 29 IMP 4 - Unit 2 Run 3 NG	Method 29		
Unit_2-5-29_NG_Run3_Cont5B	09/22/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 2 Run 3 NG	Method 29		
Unit_2-5-29_NG_Run3_Cont5C	09/22/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 2 Run 3 NG	Method 29		
FTB-5-29_NG__Cont1	09/21/22	Petri	G	S	Method 5 Sample Filter - Field Train Blank NG	Method 5		
FTB-5-29_NG__Cont2	09/21/22	250 ml	G	L	Method 5 FHR - Field Train Blank NG	Method 5		
FTB-5-29_NG__Cont3	09/21/22	250 ml	G	AQ	Method 29 FHR - Field Train Blank NG	Method 29		
FTB-5-29_NG__Cont4	09/21/22	1000 ml	G	L	Method 29 IMP 1-3 - Field Train Blank NG	Method 29		
FTB-5-29_NG__Cont5A	09/21/22	250 ml	G	L	Method 29 IMP 4 - Field Train Blank NG	Method 29		
FTB-5-29_NG__Cont5B	09/21/22	500 ml	G	L	Method 29 IMP 5-6 - Field Train Blank NG	Method 29		
FTB-5-29_NG__Cont5C	09/21/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Field Train Blank NG	Method 29		
FTB-5-29_FO__Cont1	09/27/22	Petri	G	S	Method 5 Sample Filter - Field Train Blank FO	Method 5		
FTB-5-29_FO__Cont2	09/27/22	250 ml	G	L	Method 5 FHR - Field Train Blank FO	Method 5		
FTB-5-29_FO__Cont3	09/27/22	250 ml	G	AQ	Method 29 FHR - Field Train Blank FO	Method 29		
FTB-5-29_FO__Cont4	09/27/22	1000 ml	G	L	Method 29 IMP 1-3 - Field Train Blank FO	Method 29		
FTB-5-29_FO__Cont5A	09/27/22	250 ml	G	L	Method 29 IMP 4 - Field Train Blank FO	Method 29		

Relinquished by: [signature] Date/Time: 9-29-22 19:45 Relinquished by: Date/Time:

Received by: Date/Time: Received by: Date/Time:

Remarks (*):

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CHAIN OF CUSTODY RECORD

oject Name:	Georgia Power McIntosh ICR	Project Manager:	Jason Grizzle
oject No.:	491281	TRC Office:	AU4
ampling Date(s):	9/22/22 to 09/27/22	Phone No.:	(720) 838-3857
aboratory:	Testamerica	PM Email:	jgrizzle@trccompanies.com
aboratory P.O.:	C491281		
hipping Date(s):	09/28/22		
hipper's Name:	TRC		

Sample Code	Date Sampled	Container Size	Container G/P	MATRIX	Description	ANALYSIS	Box No.	Comments
TB-5-29_FO__Cont5B	09/27/22	500 ml	G	L	Method 29 IMP 5-6 - Field Train Blank FO	Method 29		
TB-5-29_FO__Cont5C	09/27/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Field Train Blank FO	Method 29		
Unit_2-5-29_NG_Run4_Cont1	09/22/22	Petri	G	S	Method 5 Sample Filter - Unit 2 Run 4 NG	Method 5		
Unit_2-5-29_NG_Run4_Cont2	09/22/22	250 ml	G	L	Method 5 FHR - Unit 2 Run 4 NG	Method 5		
Unit_2-5-29_NG_Run4_Cont3	09/22/22	250 ml	G	AQ	Method 29 FHR - Unit 2 Run 4 NG	Method 29		
Unit_2-5-29_NG_Run4_Cont4	09/22/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 2 Run 4 NG	Method 29		
Unit_2-5-29_NG_Run4_Cont5A	09/22/22	250 ml	G	L	Method 29 IMP 4 - Unit 2 Run 4 NG	Method 29		
Unit_2-5-29_NG_Run4_Cont5B	09/22/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 2 Run 4 NG	Method 29		
Unit_2-5-29_NG_Run4_Cont5C	09/22/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 2 Run 4 NG	Method 29		
Unit_2-5-29_NG_Run5_Cont1	09/22/22	Petri	G	S	Method 5 Sample Filter - Unit 2 Run 5 NG	Method 5		
Unit_2-5-29_NG_Run5_Cont2	09/22/22	250 ml	G	L	Method 5 FHR - Unit 2 Run 5 NG	Method 5		
Unit_2-5-29_NG_Run5_Cont3	09/22/22	250 ml	G	AQ	Method 29 FHR - Unit 2 Run 5 NG	Method 29		
Unit_2-5-29_NG_Run5_Cont4	09/22/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 2 Run 5 NG	Method 29		
Unit_2-5-29_NG_Run5_Cont5A	09/22/22	250 ml	G	L	Method 29 IMP 4 - Unit 2 Run 5 NG	Method 29		
Unit_2-5-29_NG_Run5_Cont5B	09/22/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 2 Run 5 NG	Method 29		
Unit_2-5-29_NG_Run5_Cont5C	09/22/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 2 Run 5 NG	Method 29		
Unit_2-5-29_FO_Run1_Cont1	09/26/22	Petri	G	S	Method 5 Sample Filter - Unit 2 Run 1 FO	Method 5		
Unit_2-5-29_FO_Run1_Cont2	09/26/22	250 ml	G	L	Method 5 FHR - Unit 2 Run 1 FO	Method 5		

Relinquished by: [signature]	Date/Time: 9-28-22 19:45	Relinquished by:	Date/Time:
Received by:	Date/Time:	Received by:	Date/Time:

Remarks (*):

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AM-EMT-79_Rev 5.3 5/1/19

CHAIN OF CUSTODY RECORD

roject Name: Georgia Power McIntosh ICR
roject No.: 491281
ampling Date(s): 9/26/22 to 09/27/22
aboratory: Testamerica
aboratory P.O.: C491281
hipping Date(s): 09/28/22
hipper's Name: TRC

Project Manager: Jason Grizzle
TRC Office: AU4
Phone No.: (720) 838-3857
PM Email: jgrizzle@trccompanies.com

Sample Code	Date Sampled	Container Size	Container G/P	MATRIX	Description	ANALYSIS	Box No.	Comments
nit_2-5-29_FO_Run1_Cont3	09/26/22	250 ml	G	AQ	Method 29 FHR - Unit 2 Run 1 FO	Method 29		
nit_2-5-29_FO_Run1_Cont4	09/26/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 2 Run 1 FO	Method 29		
Init_2-5-29_FO_Run1_Cont5A	09/26/22	250 ml	G	L	Method 29 IMP 4 - Unit 2 Run 1 FO	Method 29		
Init_2-5-29_FO_Run1_Cont5B	09/26/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 2 Run 1 FO	Method 29		
Init_2-5-29_FO_Run1_Cont5C	09/26/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 2 Run 1 FO	Method 29		
Init_2-5-29_FO_Run2_Cont1	09/26/22	Petri	G	S	Method 5 Sample Filter - Unit 2 Run 2 FO	Method 5		
Init_2-5-29_FO_Run2_Cont2	09/26/22	250 ml	G	L	Method 5 FHR - Unit 2 Run 2 FO	Method 5		
Init_2-5-29_FO_Run2_Cont3	09/26/22	250 ml	G	AQ	Method 29 FHR - Unit 2 Run 2 FO	Method 29		
Init_2-5-29_FO_Run2_Cont4	09/26/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 2 Run 2 FO	Method 29		
Init_2-5-29_FO_Run2_Cont5A	09/26/22	250 ml	G	L	Method 29 IMP 4 - Unit 2 Run 2 FO	Method 29		
Init_2-5-29_FO_Run2_Cont5B	09/26/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 2 Run 2 FO	Method 29		
Init_2-5-29_FO_Run2_Cont5C	09/26/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 2 Run 2 FO	Method 29		
Init_2-5-29_FO_Run3_Cont1	09/27/22	Petri	G	S	Method 5 Sample Filter - Unit 2 Run 3 FO	Method 5		
Init_2-5-29_FO_Run3_Cont2	09/27/22	250 ml	G	L	Method 5 FHR - Unit 2 Run 3 FO	Method 5		
Init_2-5-29_FO_Run3_Cont3	09/27/22	250 ml	G	AQ	Method 29 FHR - Unit 2 Run 3 FO	Method 29		
Init_2-5-29_FO_Run3_Cont4	09/27/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 2 Run 3 FO	Method 29		
Init_2-5-29_FO_Run3_Cont5A	09/27/22	250 ml	G	L	Method 29 IMP 4 - Unit 2 Run 3 FO	Method 29		
Unit_2-5-29_FO_Run3_Cont5B	09/27/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 2 Run 3 FO	Method 29		

Relinquished by: [signature] Date/Time: 9-29-22 19:45 Relinquished by: Date/Time:

Received by: Date/Time: Received by: Date/Time:

Remarks (*):

TRC

AM-EMT-79_Rev 5.3 5/1/19

CHAIN OF CUSTODY RECORD

Project Name:	Georgia Power McIntosh ICR	**Project Manager:**	Jason Grizzle
Project No.:	491281	**TRC Office:**	AU4
Sampling Date(s):	9/27/22 to 09/27/22	**Phone No.:**	(720) 838-3857
Laboratory:	Testamerica	**PM Email:**	jgrizzle@trccompanies.com
Laboratory P.O.:	C491281		
Shipping Date(s):	09/28/22		
Shipper's Name:	TRC		

Sample Code	Date Sampled	Container Size	Container G/P	MATRIX	Description	ANALYSIS	Box No.	Comments
Unit_2-5-29_FO_Run3_Cont5C	09/27/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 2 Run 3 FO	Method 29		
Unit_2-5-29_FO_Run4_Cont1	09/27/22	Petri	G	S	Method 5 Sample Filter - Unit 2 Run 4 FO	Method 5		
Unit_2-5-29_FO_Run4_Cont2	09/27/22	250 ml	G	L	Method 5 FHR - Unit 2 Run 4 FO	Method 5		
Unit_2-5-29_FO_Run4_Cont3	09/27/22	250 ml	G	AQ	Method 29 FHR - Unit 2 Run 4 FO	Method 29		
Unit_2-5-29_FO_Run4_Cont4	09/27/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 2 Run 4 FO	Method 29		
Unit_2-5-29_FO_Run4_Cont5A	09/27/22	250 ml	G	L	Method 29 IMP 4 - Unit 2 Run 4 FO	Method 29		

Relinquished by:	Date/Time: 9-28-22 19:45	**Relinquished by:**	**Date/Time:**
Received by:	**Date/Time:**	**Received by:**	**Date/Time:**

Remarks (*):

TRC

AM-EMT-79_Rev 5.3 5/1/19

CHAIN OF CUSTODY RECORD

Project Name:	Georgia Power McIntosh ICR	**Project Manager:**	Jason Grizzle
Project No.:	491281	**TRC Office:**	AU4
Sampling Date(s):	9/27/22 to 09/27/22	**Phone No.:**	(720) 838-3857
Laboratory:	Testamerica	**PM Email:**	jgrizzle@trccompanies.com
Laboratory P.O.:	C491281		
Shipping Date(s):	09/28/22		
Shipper's Name:	TRC		

Sample Code	Date Sampled	Container Size	Container G/P	MATRIX	Description	ANALYSIS	Box No.	Comments
Unit_2-5-29_FO_Run4_Cont5B	09/27/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 2 Run 4 FO	Method 29		
Unit_2-5-29_FO_Run4_Cont5C	09/27/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 2 Run 4 FO	Method 29		
Unit_2-5-29_FO_Run5_Cont1	09/27/22	Petri	G	S	Method 5 Sample Filter - Unit 2 Run 5 FO	Method 5		
Unit_2-5-29_FO_Run5_Cont2	09/27/22	250 ml	G	L	Method 5 FHR - Unit 2 Run 5 FO	Method 5		
Unit_2-5-29_FO_Run5_Cont3	09/27/22	250 ml	G	AQ	Method 29 FHR - Unit 2 Run 5 FO	Method 29		
Unit_2-5-29_FO_Run5_Cont4	09/27/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 2 Run 5 FO	Method 29		
Unit_2-5-29_FO_Run5_Cont5A	09/27/22	250 ml	G	L	Method 29 IMP 4 - Unit 2 Run 5 FO	Method 29		
Unit_2-5-29_FO_Run5_Cont5B	09/27/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 2 Run 5 FO	Method 29		
Unit_2-5-29_FO_Run5_Cont5C	09/27/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 2 Run 5 FO	Method 29		

Relinquished by:	Date/Time: 9-28-22 19:45	**Relinquished by:**	**Date/Time:**	
Received by:	Date/Time: 09.28.22 1945	**Received by:**	**Date/Time:**	

Remarks (*):

TRC

AM-EMT-79_Rev 5.3 5/1/19

Filterable Particulate Sample Analysis Summary

Project#:	**491281**	Unit ID:	**CT Unit 2 - NG**
Company:	**Georgia Power**	Location:	**Exhaust**
Plant:	**McIntosh Plant**	Test Date(s):	9/21/2022

Filterable PM	Run 1	Run 2	Run 3	Run 4	Blank
Filter material collected in acetone rinse?	Y	Y	Y	Y	
Filter final - Filter tare (mg):	0.44	3.95	0.05	-0.83	
Rinse volume, V_{aw}, (ml):	0.1	0.1	0.1	0.1	0.1
Rinse final - Rinse tare, m_a, (mg):	1.41	2.64	4.62	1.07	0.0
Rinse blank correction, W_a (mg)**:	0.00	0.00	0.00	0.00	
Total rinse mass (mg):	1.41	2.64	4.62	1.07	
***Total Filterable PM, m_n, (milligrams):**	**1.85**	**6.59**	**4.67**	**1.57**	

***** If filter material was recovered in the acetone rinse, and the sum of the filter weight increase and the total rinse mass is ≥ zero, subsequent calculations are performed using that value.

***** If filter material was recovered in the acetone rinse, and the sum of the filter weight increase and the total rinse mass is < zero, subsequent calculations are performed using a value of 1 mg

* If filter material was not recovered in the acetone rinse, and the result from the lab for either fraction is < zero, subsequent calculations are performed using a value of 0.5 mg for that fraction

** - the maximum allowable blank correction is 0.0079 mg/ml

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Filterable Particulate Sample Analysis Summary

Project#:	**491281**	Unit ID:	**CT Unit 2 - NG**
Company:	**Georgia Power**	Location:	**Exhaust**
Plant:	**McIntosh Plant**	Test Date(s):	9/22/2022

You must select Y or N for each Run in Row 9

Filterable PM	Run 5	Run 0	Run 0	Run 0	Blank
Filter material collected in acetone rinse?	Y				
Filter final - Filter tare (mg):	-0.38	-	-	-	
Rinse volume, V_{aw}, (ml):	0.1	-	-	-	0.1
Rinse final - Rinse tare, m_a, (mg):	1.69	-	-	-	0.0
Rinse blank correction, W_a (mg)**:	0.00	-	-	-	
Total rinse mass (mg):	1.69	-	-	-	
***Total Filterable PM, m_n, (milligrams):**	**2.19**	**-**	**-**	**-**	

***** If filter material was recovered in the acetone rinse, and the sum of the filter weight increase and the total rinse mass is ≥ zero, subsequent calculations are performed using that value.

***** If filter material was recovered in the acetone rinse, and the sum of the filter weight increase and the total rinse mass is < zero, subsequent calculations are performed using a value of 1 mg

* If filter material was not recovered in the acetone rinse, and the result from the lab for either fraction is < zero, subsequent calculations are performed using a value of 0.5 mg for that fraction

** - the maximum allowable blank correction is 0.0079 mg/ml

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Method 29 Sample Analysis Summary

Project#:	**491281**	Unit ID:	**CT Unit 2 - NG**
Company:	**Georgia Power**	Location:	**Exhaust**
Plant:	**McIntosh Plant**	Test Date(s):	**September 21, 2022**

Filter Diameter (mm): 82 (NuTech)

Gross front-half metals

	Run 1	Run 2	Run 3	Run 4	Reagent Blank
Ag (ug)	-	-	-	-	-
As (µg)	< 1.78	< 1.78	< 1.78	< 1.78	< 0.00
Ba (µg)	-	-	-	-	-
Be (µg)	< 0.02	< 0.02	< 0.02	< 0.02	< 0.00
Cd (µg)	< 0.28	< 0.28	< 0.28	< 0.28	< 0.00
Cr (µg)	8.28	51.60	9.05	7.20	< 0.00
Co (µg)	< 2.00	< 2.00	< 2.00	< 2.00	< 0.00
Cu (µg)	-	-	-	-	-
1B Hg (µg)	< 0.08	< 0.08	< 0.08	< 0.08	< 0.00
Mn (µg)	1.35	2.89	1.30	1.35	< 0.00
Ni (µg)	1.69	24.80	3.07	2.90	< 0.00
P (µg)	-	-	-	-	-
Pb (µg)	< 0.94	< 0.94	< 0.94	< 0.94	< 0.00
Sb (µg)	1.20	1.22	1.22	1.15	< 0.00
Se (µg)	< 1.32	< 1.32	< 1.32	< 1.32	< 0.00
Tl (µg)	-	-	-	-	-
Zn (µg)	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-

"<" indicates that the mass of a metal in the sample was below the laboratory analytical detection limit

Blank-corrected front-half metals

	Run 1	Run 2	Run 3	Run 4
Ag (µg)	-	-	-	-
As (µg)	1.78 *	1.78 *	1.78 *	1.78 *
Ba (µg)	-	-	-	-
Be (µg)	0.02 *	0.02 *	0.02 *	0.02 *
Cd (µg)	0.28 *	0.28 *	0.28 *	0.28 *
Cr (µg)	8.28	51.60	9.05	7.20
Co (µg)	2.00 *	2.00 *	2.00 *	2.00 *
Cu (µg)	-	-	-	-
1B Hg (µg)	N/A *	N/A *	N/A *	N/A *
Mn (µg)	1.35	2.89	1.30	1.35
Ni (µg)	1.69	24.80	3.07	2.90
P (µg)	-	-	-	-
Pb (µg)	0.94 *	0.94 *	0.94 *	0.94 *
Sb (µg)	1.20	1.22	1.22	1.15
Se (µg)	1.32 *	1.32 *	1.32 *	1.32 *
Tl (µg)	-	-	-	-
Zn (µg)	-	-	-	-
-	-	-	-	-
-	-	-	-	-

* If a "Gross" Run value was below the detection limit, subsequent calculations used the detection limit
If a Reagent Blank value was below the detection limit, subsequent calculations used a value of 0.0

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Method 29 Sample Analysis Summary

FSR#:	**491281**	Unit ID:	**CT Unit 2 - NG**
Company:	**Georgia Power**	Location:	**Exhaust**
Plant:	**McIntosh Plant**	Test Date(s):	**September 21, 2022**

You must select an option in cell J54 & J55 for this sheet to function

Gross Back-half metals

	Run 1	Run 2	Run 3	Run 4	Reagent Blank
Ag (µg)	-	-	-	-	`
As (µg)	< 0.18	< 0.18	< 0.18	< 0.18	< 0.00
Ba (µg)	-	-	-	-	-
Be (µg)	< 0.05	< 0.05	< 0.05	< 0.05	< 0.00
Cd (µg)	< 0.02	0.26	0.12	0.02	< 0.00
Cr (µg)	1.13	0.45	1.67	0.40	< 0.00
Co (µg)	< 0.10	< 0.10	< 0.10	< 0.10	< 0.00
Cu (µg)	-	-	-	-	-
2B Hg (µg)	< 0.12	< 0.12	< 0.12	< 0.12	< 0.00
3A Hg (µg)	< 0.13	< 0.12	< 0.12	< 0.13	< 0.00
3B Hg (µg)	< 0.05	< 0.05	< 0.05	< 0.05	< 0.00
3C Hg (µg)	< 0.13	< 0.12	< 0.12	< 0.13	< 0.00
Mn (µg)	4.74	17.40	1.38	11.20	< 0.00
Ni (µg)	0.33	0.29	< 0.26	0.40	< 0.00
P (µg)	-	-	-	-	-
Pb (µg)	< 0.48	< 0.48	< 0.48	< 0.48	< 0.00
Sb (µg)	< 0.84	< 0.84	< 0.84	< 0.84	< 0.00
Se (µg)	0.92	< 0.39	0.65	< 0.39	< 0.00
Tl (µg)	-	-	-	-	-
Zn (µg)	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-

"<" indicates that the mass of a metal in the sample was below the laboratory analytical detection limit

Blank-corrected back-half metals

	Run 1	Run 2	Run 3	Run 4
Ag (µg)	-	-	-	-
As (µg)	0.18 *	0.18 *	0.18 *	0.18 *
Ba (µg)	-	-	-	-
Be (µg)	0.05 *	0.05 *	0.05 *	0.05 *
Cd (µg)	0.02 *	0.26	0.12	0.02
Cr (µg)	1.13	0.45	1.67	0.40
Co (µg)	0.10 *	0.10 *	0.10 *	0.10 *
Cu (µg)	-	-	-	-
Total Hg (front and back) (µg)	0.50	0.49	0.49	0.51
Mn (µg)	4.74	17.40	1.38	11.20
Ni (µg)	0.33	0.29	0.26 *	0.40
P (µg)	-	-	-	-
Pb (µg)	0.48 *	0.48 *	0.48 *	0.48 *
Sb (µg)	0.84 *	0.84 *	0.84 *	0.84 *
Se (µg)	0.92	0.39 *	0.65	0.39 *
Tl (µg)	-	-	-	-
Zn (µg)	-	-	-	-
-	-	-	-	-
-	-	-	-	-

* If a "Gross" Run value was below the detection limit, subsequent calculations used the detection limit

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Method 29 Sample Analysis Summary

Project#:	**491281**	Unit ID:	**CT Unit 2 - NG**
Company:	**Georgia Power**	Location:	**Exhaust**
Plant:	**McIntosh Plant**	Test Date(s):	**September 22, 2022**

Filter Diameter (mm): 82 (NuTech)

Gross front-half metals

	Run 5	Run 0	Run 0	Run 0	Reagent Blank
Ag (ug)	-	-	-	-	-
As (µg)	< 1.78	-	-	-	< 0.00
Ba (µg)	-	-	-	-	-
Be (µg)	< 0.02	-	-	-	< 0.00
Cd (µg)	< 0.28	-	-	-	< 0.00
Cr (µg)	6.98	-	-	-	< 0.00
Co (µg)	< 2.00	-	-	-	< 0.00
Cu (µg)	-	-	-	-	-
1B Hg (µg)	< 0.08	-	-	-	< 0.00
Mn (µg)	1.48	-	-	-	< 0.00
Ni (µg)	1.81	-	-	-	< 0.00
P (µg)	-	-	-	-	-
Pb (µg)	< 0.94	-	-	-	< 0.00
Sb (µg)	1.28	-	-	-	< 0.00
Se (µg)	< 1.32	-	-	-	< 0.00
Tl (µg)	-	-	-	-	-
Zn (µg)	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-

"<" indicates that the mass of a metal in the sample was below the laboratory analytical detection limit

Blank-corrected front-half metals

	Run 5	Run 0	Run 0	Run 0
Ag (µg)	-	-	-	-
As (µg)	1.78 *	-	-	-
Ba (µg)	-	-	-	-
Be (µg)	0.02 *	-	-	-
Cd (µg)	0.28 *	-	-	-
Cr (µg)	6.98	-	-	-
Co (µg)	2.00 *	-	-	-
Cu (µg)	-	-	-	-
1B Hg (µg)	N/A *	N/A	N/A	N/A
Mn (µg)	1.48	-	-	-
Ni (µg)	1.81	-	-	-
P (µg)	-	-	-	-
Pb (µg)	0.94 *	-	-	-
Sb (µg)	1.28	-	-	-
Se (µg)	1.32 *	-	-	-
Tl (µg)	-	-	-	-
Zn (µg)	-	-	-	-
-	-	-	-	-
-	-	-	-	-

* If a "Gross" Run value was below the detection limit, subsequent calculations used the detection limit
If a Reagent Blank value was below the detection limit, subsequent calculations used a value of 0.0

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Method 29 Sample Analysis Summary

FSR#:	**491281**	Unit ID:	**CT Unit 2 - NG**
Company:	**Georgia Power**	Location:	**Exhaust**
Plant:	**McIntosh Plant**	Test Date(s):	**September 22, 2022**

You must select an option in cell J54 & J55 for this sheet to function

Gross Back-half metals

	Run 5	Run 0	Run 0	Run 0	Reagent Blank
Ag (µg)	-	-	-	-	`
As (µg)	< 0.18	-	-	-	< 0.00
Ba (µg)	-	-	-	-	-
Be (µg)	< 0.05	-	-	-	< 0.00
Cd (µg)	< 0.02	-	-	-	< 0.00
Cr (µg)	0.53	-	-	-	< 0.00
Co (µg)	< 0.10	-	-	-	< 0.00
Cu (µg)	-	-	-	-	-
2B Hg (µg)	< 0.12	-	-	-	< 0.00
3A Hg (µg)	< 0.12	-	-	-	< 0.00
3B Hg (µg)	< 0.05	-	-	-	< 0.00
3C Hg (µg)	< 0.13	-	-	-	< 0.00
Mn (µg)	1.45	-	-	-	< 0.00
Ni (µg)	0.42	-	-	-	< 0.00
P (µg)	-	-	-	-	-
Pb (µg)	< 0.48	-	-	-	< 0.00
Sb (µg)	< 0.84	-	-	-	< 0.00
Se (µg)	0.78	-	-	-	< 0.00
Tl (µg)	-	-	-	-	-
Zn (µg)	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-

"<" indicates that the mass of a metal in the sample was below the laboratory analytical detection limit

Blank-corrected back-half metals

	Run 5	Run 0	Run 0	Run 0
Ag (µg)	-	-	-	-
As (µg)	0.18 *	-	-	-
Ba (µg)	-	-	-	-
Be (µg)	0.05 *	-	-	-
Cd (µg)	0.02 *	-	-	-
Cr (µg)	0.53	-	-	-
Co (µg)	0.10 *	-	-	-
Cu (µg)	-	-	-	-
Total Hg (front and back) (µg)	0.50	-	-	-
Mn (µg)	1.45	-	-	-
Ni (µg)	0.42	-	-	-
P (µg)	-	-	-	-
Pb (µg)	0.48 *	-	-	-
Sb (µg)	0.84 *	-	-	-
Se (µg)	0.78	-	-	-
Tl (µg)	-	-	-	-
Zn (µg)	-	-	-	-
-	-	-	-	-
-	-	-	-	-

* If a "Gross" Run value was below the detection limit, subsequent calculations used the detection limit

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ANALYTICAL REPORT

Eurofins Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921
Tel: (865)291-3000

Laboratory Job ID: 140-29043-1
Client Project/Site: Georgia Power Mcintosh ICR-Unit 2 NG M5/M29

For:
TRC Environmental Corporation
3800 Colonnade
Suite 175
Birmingham, Alabama 35243

Attn: Jon Howard

Authorized for release by:
10/19/2022 4:34:57 PM

Courtney Adkins, Project Manager II
(865)291-3019
Courtney.Adkins@et.eurofinsus.com

LINKS

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: TRC Environmental Corporation
Job ID: 140-29043-1
Project/Site: Georgia Power Mcintosh ICR-Unit 2 NG M5/M29

Qualifiers

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 140-29043-1

Laboratory: Eurofins Knoxville

Narrative

Job Narrative
140-29043-1

Receipt

The samples were received on 9/28/2022 7:45 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 19.1° C.

Metals

Multi-Metals Train Preparation and Analysis

These stack gas samples were prepared and analyzed using Eurofins TestAmerica Knoxville standard operating procedure KNOX-MT-0006 which is based on EPA SW-846 Method 0060, "Determination of Metals in Stack Emissions" and Method 29, "Determination of Metals Emissions from Stationary Sources". SW-846 Methods 6010C and 7470A as incorporated in Eurofins TestAmerica Knoxville standard operating procedures KNOX-MT-0007 and KNOX-MT-0009 were used to perform the final instrument analysis.

Acid digestion was performed on the front half particulate filter and the acetone and nitric acid probe rinse fractions separately using HNO3 and HF. After digestion, the HF was sequestered using H3BO3 followed by another heating cycle. These digestates were combined, adjusted to final volume and analyzed by ICP. A portion of the ICP digestate was prepared for CVAA analysis in order to determine the particle-bound mercury. Results were calculated using the following equations:

ICP Analyte, µg/sample = (Raw Sample Concentration, µg/L) x (Bench DF) x (Final Volume ICP Digestate, L)

Hg, µg/sample = (Raw Sample Concentration, µg/L) x (Bench DF) x (Final Volume ICP Digestate, L) x (Final Volume Hg Digestate, mL / Volume ICP Digestate Used, mL)

The 5%HNO3/10%H2O2 impinger samples were reduced in volume to 100 mL. A 20 milliliter portion of the concentrated sample was removed and processed for mercury. The remaining 80 mL of concentrated sample was digested using HNO3 and H2O2, adjusted to a final volume of 80 mL, and analyzed by ICP. Results were calculated using the following equations:

ICP Analyte, µg/sample = (Raw Sample Concentration, µg/L) x (Bench DF) x (Final Volume Concentrated Sample, L) x (Final Volume ICP Digestate, mL / Volume Conc. Sample Digested, mL)

Hg, µg/sample = (Raw Sample Concentration, µg/L) x (Bench DF) x (Final Volume Concentrated Sample, L) x (Final Volume Hg Digestate, mL / Volume Conc. Sample Digested, mL)

For the 0.1N HNO3 rinse samples (empty impingers), a 2.5 milliliter portion of the sample as received was removed and processed for mercury.

The 4% KMnO4/10%H2SO4 impinger samples were filtered to remove MnO2, followed by removal of a 25 mL portion of filtrate for mercury processing. The filtered MnO2 residue was digested in HCl, combined with the HCl rinse sample and analyzed for mercury.

Results for the 0.1N HNO3 rinse samples and the KMnO4 filtrate were calculated using the following equation:

Hg, µg/sample = (Raw Sample Concentration, µg/L) x (Bench DF) x (Total Sample Volume, L) x (Final Volume Hg Digestate, mL / Volume Sample Digested, mL)

Results for the combined MnO2 residue HCl digestates and HCl rinse samples were calculated as follows:

Hg, µg/sample = (Raw Sample Concentration, µg/L) x (Bench DF) x (Total Sample Volume, L + MnO2 HCl Volume, L) x (Final Volume Hg Digestate, mL / Volume Sample Digested, mL)

Note: The total sample volume for the 5%HNO3/10%H2O2 impinger samples is the final volume of the concentrated sample. The total

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sample volume for the combined MnO2 residue HCl digestates and HCl rinse samples is equal to the total sample volume plus the MnO2 HCl volume.

Method 29/6010C: The following samples were diluted due to the presence of Silicon which interferes with Arsenic, Cobalt, Lead, Nickel and Selenium: UNIT_2-5-29_NG_RUN1_CONT 1,2,3 (140-29043-3), UNIT_2-5-29_NG_RUN2_CONT 1,2,3 (140-29043-10), UNIT_2-5-29_NG_RUN3_CONT 1,2,3 (140-29043-17), UNIT_2-5-29_NG_RUN4_CONT 1,2,3 (140-29043-24), UNIT_2-5-29_NG_RUN5_CONT 1,2,3 (140-29043-31) and FTB-5-29_NG_ CONT 1,2,3 (140-29043-38). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry

Total Particulates: The measurement of the mass of particulate matter trapped by the particulate filter and probe rinse derived from an M-5 sampling train was performed using SOP number KNOX-WC-0006 (based on EPA Methods 0050 and 5). Microfiber filters and 150 mL beakers are carefully inspected and tare weighed to constant weight. After sample collection, the filters are dried, and then carefully weighed to constant weight to determine the mass of particulate matter trapped on the filters. The acetone probe rinse solution is evaporated to dryness, and then weighed to constant weight to determine the total particulate mass collected in the rinse. The total particulate mass collected by an M-5 train is the sum of the particulate filter and the acetone probe rinse residue weights.

Method 5: Filter samples UNIT_2-5-29_NG_RUN3_CONT 1 (140-29043-15), UNIT_2-5-29_NG_RUN4_CONT 1 (140-29043-22) and UNIT_2-5-29_NG_RUN5_CONT 1 (140-29043-29) arrived with significant damage (tears/bends) and results may exhibit a low bias.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Client Sample Results

Client: TRC Environmental Corporation
Job ID: 140-29043-1
Project/Site: Georgia Power Mcintosh ICR-Unit 2 NG M5/M29

Client Sample ID: UNIT_2-5-29_NG_RUN1_CONT 1
Lab Sample ID: 140-29043-1
Date Collected: 09/21/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulates, Total (EPA 5)	ND		0.500	0.500	mg/sample			10/03/22 17:25	1

Client Sample ID: UNIT_2-5-29_NG_RUN1_CONT 2
Lab Sample ID: 140-29043-2
Date Collected: 09/21/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulates, Total (EPA 5)	**1.41**		0.500	0.500	mg/sample			10/03/22 17:25	1

Client Sample ID: UNIT_2-5-29_NG_RUN1_CONT 1,2,3
Lab Sample ID: 140-29043-3
Date Collected: 09/21/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/6010C - Metals (ICP), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**1.20**	**J**	6.00	1.10	ug/Sample		10/05/22 09:15	10/12/22 15:36	1
Arsenic	ND		2.00	1.78	ug/Sample		10/05/22 09:15	10/13/22 13:52	2
Beryllium	ND		0.500	0.0160	ug/Sample		10/05/22 09:15	10/12/22 15:36	1
Cadmium	ND		0.500	0.280	ug/Sample		10/05/22 09:15	10/12/22 15:36	1
Chromium	**8.28**		1.00	0.190	ug/Sample		10/05/22 09:15	10/12/22 15:36	1
Cobalt	ND		10.0	2.00	ug/Sample		10/05/22 09:15	10/13/22 13:52	2
Lead	ND		2.00	0.940	ug/Sample		10/05/22 09:15	10/13/22 13:52	2
Manganese	**1.35**	**J**	1.50	0.120	ug/Sample		10/05/22 09:15	10/12/22 15:36	1
Nickel	**1.69**	**J**	8.00	0.500	ug/Sample		10/05/22 09:15	10/13/22 13:52	2
Selenium	ND		2.00	1.32	ug/Sample		10/05/22 09:15	10/13/22 13:52	2

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.0840	ug/Sample		10/05/22 09:15	10/12/22 14:34	1

Client Sample ID: UNIT_2-5-29_NG_RUN1_CONT 4
Lab Sample ID: 140-29043-4
Date Collected: 09/21/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/6010C - Metals (ICP), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		6.00	0.840	ug/Sample		10/03/22 09:44	10/11/22 18:19	1
Arsenic	ND		1.00	0.180	ug/Sample		10/03/22 09:44	10/11/22 18:19	1
Beryllium	ND		0.500	0.0470	ug/Sample		10/03/22 09:44	10/11/22 18:19	1
Cadmium	ND		0.500	0.0180	ug/Sample		10/03/22 09:44	10/11/22 18:19	1
Chromium	**1.13**		1.00	0.180	ug/Sample		10/03/22 09:44	10/11/22 18:19	1
Cobalt	ND		5.00	0.100	ug/Sample		10/03/22 09:44	10/11/22 18:19	1
Lead	ND		1.00	0.480	ug/Sample		10/03/22 09:44	10/11/22 18:19	1
Manganese	**4.74**		1.50	0.180	ug/Sample		10/03/22 09:44	10/11/22 18:19	1
Nickel	**0.327**	**J**	4.00	0.260	ug/Sample		10/03/22 09:44	10/11/22 18:19	1
Selenium	**0.916**	**J**	1.00	0.390	ug/Sample		10/03/22 09:44	10/11/22 18:19	1

Client: TRC Environmental Corporation
Job ID: 140-29043-1
Project/Site: Georgia Power Mcintosh ICR-Unit 2 NG M5/M29

Client Sample ID: UNIT_2-5-29_NG_RUN1_CONT 4
Lab Sample ID: 140-29043-4
Date Collected: 09/21/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.400	0.120	ug/Sample		10/05/22 14:00	10/06/22 16:12	1

Client Sample ID: UNIT_2-5-29_NG_RUN1_CONT 5A
Lab Sample ID: 140-29043-5
Date Collected: 09/21/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.420	0.126	ug/Sample		10/04/22 08:00	10/05/22 14:24	1

Client Sample ID: UNIT_2-5-29_NG_RUN1_CONT 5B
Lab Sample ID: 140-29043-6
Date Collected: 09/21/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.162	0.0486	ug/Sample		10/04/22 08:00	10/05/22 16:03	1

Client Sample ID: UNIT_2-5-29_NG_RUN1_CONT 5C
Lab Sample ID: 140-29043-7
Date Collected: 09/21/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.285	0.125	ug/Sample		10/05/22 08:00	10/06/22 13:14	1

Client Sample ID: UNIT_2-5-29_NG_RUN2_CONT 1
Lab Sample ID: 140-29043-8
Date Collected: 09/21/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulates, Total (EPA 5)	3.95		0.500	0.500	mg/sample			10/03/22 17:25	1

Client Sample ID: UNIT_2-5-29_NG_RUN2_CONT 2
Lab Sample ID: 140-29043-9
Date Collected: 09/21/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulates, Total (EPA 5)	2.64		0.500	0.500	mg/sample			10/03/22 17:25	1

Client Sample Results

Client: TRC Environmental Corporation
Job ID: 140-29043-1
Project/Site: Georgia Power Mcintosh ICR-Unit 2 NG M5/M29

Client Sample ID: UNIT_2-5-29_NG_RUN2_CONT 1,2,3
Lab Sample ID: 140-29043-10
Date Collected: 09/21/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/6010C - Metals (ICP), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**1.22**	**J**	6.00	1.10	ug/Sample		10/05/22 09:15	10/12/22 15:41	1
Arsenic	ND		2.00	1.78	ug/Sample		10/05/22 09:15	10/13/22 13:57	2
Beryllium	ND		0.500	0.0160	ug/Sample		10/05/22 09:15	10/12/22 15:41	1
Cadmium	ND		0.500	0.280	ug/Sample		10/05/22 09:15	10/12/22 15:41	1
Chromium	**51.6**		1.00	0.190	ug/Sample		10/05/22 09:15	10/12/22 15:41	1
Cobalt	ND		10.0	2.00	ug/Sample		10/05/22 09:15	10/13/22 13:57	2
Lead	ND		2.00	0.940	ug/Sample		10/05/22 09:15	10/13/22 13:57	2
Manganese	**2.89**		1.50	0.120	ug/Sample		10/05/22 09:15	10/12/22 15:41	1
Nickel	**24.8**		8.00	0.500	ug/Sample		10/05/22 09:15	10/13/22 13:57	2
Selenium	ND		2.00	1.32	ug/Sample		10/05/22 09:15	10/13/22 13:57	2

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.0840	ug/Sample		10/05/22 09:15	10/12/22 14:37	1

Client Sample ID: UNIT_2-5-29_NG_RUN2_CONT 4
Lab Sample ID: 140-29043-11
Date Collected: 09/21/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/6010C - Metals (ICP), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		6.00	0.840	ug/Sample		10/03/22 09:44	10/11/22 18:24	1
Arsenic	ND		1.00	0.180	ug/Sample		10/03/22 09:44	10/11/22 18:24	1
Beryllium	ND		0.500	0.0470	ug/Sample		10/03/22 09:44	10/11/22 18:24	1
Cadmium	**0.258**	**J**	0.500	0.0180	ug/Sample		10/03/22 09:44	10/11/22 18:24	1
Chromium	**0.448**	**J**	1.00	0.180	ug/Sample		10/03/22 09:44	10/11/22 18:24	1
Cobalt	ND		5.00	0.100	ug/Sample		10/03/22 09:44	10/11/22 18:24	1
Lead	ND		1.00	0.480	ug/Sample		10/03/22 09:44	10/11/22 18:24	1
Manganese	**17.4**		1.50	0.180	ug/Sample		10/03/22 09:44	10/11/22 18:24	1
Nickel	**0.288**	**J**	4.00	0.260	ug/Sample		10/03/22 09:44	10/11/22 18:24	1
Selenium	ND		1.00	0.390	ug/Sample		10/03/22 09:44	10/11/22 18:24	1

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.400	0.120	ug/Sample		10/05/22 14:00	10/06/22 16:15	1

Client Sample ID: UNIT_2-5-29_NG_RUN2_CONT 5A
Lab Sample ID: 140-29043-12
Date Collected: 09/21/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.400	0.120	ug/Sample		10/04/22 08:00	10/05/22 14:26	1

Client: TRC Environmental Corporation
Job ID: 140-29043-1
Project/Site: Georgia Power Mcintosh ICR-Unit 2 NG M5/M29

Client Sample ID: UNIT_2-5-29_NG_RUN2_CONT 5B
Lab Sample ID: 140-29043-13
Date Collected: 09/21/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.150	0.0450	ug/Sample		10/04/22 08:00	10/05/22 16:05	1

Client Sample ID: UNIT_2-5-29_NG_RUN2_CONT 5C
Lab Sample ID: 140-29043-14
Date Collected: 09/21/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.275	0.121	ug/Sample		10/05/22 08:00	10/06/22 13:16	1

Client Sample ID: UNIT_2-5-29_NG_RUN3_CONT 1
Lab Sample ID: 140-29043-15
Date Collected: 09/22/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulates, Total (EPA 5)	ND		0.500	0.500	mg/sample			10/03/22 17:25	1

Client Sample ID: UNIT_2-5-29_NG_RUN3_CONT 2
Lab Sample ID: 140-29043-16
Date Collected: 09/22/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulates, Total (EPA 5)	**4.62**		0.500	0.500	mg/sample			10/03/22 17:25	1

Client Sample ID: UNIT_2-5-29_NG_RUN3_CONT 1,2,3
Lab Sample ID: 140-29043-17
Date Collected: 09/22/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/6010C - Metals (ICP), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**1.22**	**J**	6.00	1.10	ug/Sample		10/05/22 09:15	10/12/22 15:46	1
Arsenic	ND		2.00	1.78	ug/Sample		10/05/22 09:15	10/13/22 14:02	2
Beryllium	ND		0.500	0.0160	ug/Sample		10/05/22 09:15	10/12/22 15:46	1
Cadmium	ND		0.500	0.280	ug/Sample		10/05/22 09:15	10/12/22 15:46	1
Chromium	**9.05**		1.00	0.190	ug/Sample		10/05/22 09:15	10/12/22 15:46	1
Cobalt	ND		10.0	2.00	ug/Sample		10/05/22 09:15	10/13/22 14:02	2
Lead	ND		2.00	0.940	ug/Sample		10/05/22 09:15	10/13/22 14:02	2
Manganese	**1.30**	**J**	1.50	0.120	ug/Sample		10/05/22 09:15	10/12/22 15:46	1
Nickel	**3.07**	**J**	8.00	0.500	ug/Sample		10/05/22 09:15	10/13/22 14:02	2
Selenium	ND		2.00	1.32	ug/Sample		10/05/22 09:15	10/13/22 14:02	2

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.0840	ug/Sample		10/05/22 09:15	10/12/22 14:39	1

Client Sample ID: UNIT_2-5-29_NG_RUN3_CONT 4
Lab Sample ID: 140-29043-18
Date Collected: 09/22/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/6010C - Metals (ICP), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		6.00	0.840	ug/Sample		10/03/22 09:44	10/11/22 18:29	1
Arsenic	ND		1.00	0.180	ug/Sample		10/03/22 09:44	10/11/22 18:29	1
Beryllium	ND		0.500	0.0470	ug/Sample		10/03/22 09:44	10/11/22 18:29	1
Cadmium	**0.115**	**J**	0.500	0.0180	ug/Sample		10/03/22 09:44	10/11/22 18:29	1
Chromium	**1.67**		1.00	0.180	ug/Sample		10/03/22 09:44	10/11/22 18:29	1
Cobalt	ND		5.00	0.100	ug/Sample		10/03/22 09:44	10/11/22 18:29	1
Lead	ND		1.00	0.480	ug/Sample		10/03/22 09:44	10/11/22 18:29	1
Manganese	**1.38**	**J**	1.50	0.180	ug/Sample		10/03/22 09:44	10/11/22 18:29	1
Nickel	ND		4.00	0.260	ug/Sample		10/03/22 09:44	10/11/22 18:29	1
Selenium	**0.651**	**J**	1.00	0.390	ug/Sample		10/03/22 09:44	10/11/22 18:29	1

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.400	0.120	ug/Sample		10/05/22 14:00	10/06/22 16:17	1

Client Sample ID: UNIT_2-5-29_NG_RUN3_CONT 5A
Lab Sample ID: 140-29043-19
Date Collected: 09/22/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.400	0.120	ug/Sample		10/04/22 08:00	10/05/22 14:29	1

Client Sample ID: UNIT_2-5-29_NG_RUN3_CONT 5B
Lab Sample ID: 140-29043-20
Date Collected: 09/22/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.150	0.0450	ug/Sample		10/04/22 08:00	10/05/22 16:08	1

Client Sample ID: UNIT_2-5-29_NG_RUN3_CONT 5C
Lab Sample ID: 140-29043-21
Date Collected: 09/22/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.270	0.119	ug/Sample		10/05/22 08:00	10/06/22 13:19	1

Client Sample ID: UNIT_2-5-29_NG_RUN4_CONT 1
Lab Sample ID: 140-29043-22
Date Collected: 09/22/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulates, Total (EPA 5)	ND		0.500	0.500	mg/sample			10/03/22 17:25	1

Client Sample ID: UNIT_2-5-29_NG_RUN4_CONT 2
Lab Sample ID: 140-29043-23

Date Collected: 09/22/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulates, Total (EPA 5)	1.07		0.500	0.500	mg/sample			10/03/22 17:25	1

Client Sample ID: UNIT_2-5-29_NG_RUN4_CONT 1,2,3
Lab Sample ID: 140-29043-24

Date Collected: 09/22/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/6010C - Metals (ICP), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1.15	J	6.00	1.10	ug/Sample		10/05/22 09:15	10/12/22 16:01	1
Arsenic	ND		2.00	1.78	ug/Sample		10/05/22 09:15	10/13/22 14:53	2
Beryllium	ND		0.500	0.0160	ug/Sample		10/05/22 09:15	10/12/22 16:01	1
Cadmium	ND		0.500	0.280	ug/Sample		10/05/22 09:15	10/12/22 16:01	1
Chromium	7.20		1.00	0.190	ug/Sample		10/05/22 09:15	10/12/22 16:01	1
Cobalt	ND		10.0	2.00	ug/Sample		10/05/22 09:15	10/13/22 14:53	2
Lead	ND		2.00	0.940	ug/Sample		10/05/22 09:15	10/13/22 14:53	2
Manganese	1.35	J	1.50	0.120	ug/Sample		10/05/22 09:15	10/12/22 16:01	1
Nickel	2.90	J	8.00	0.500	ug/Sample		10/05/22 09:15	10/13/22 14:53	2
Selenium	ND		2.00	1.32	ug/Sample		10/05/22 09:15	10/13/22 14:53	2

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.0840	ug/Sample		10/05/22 09:15	10/12/22 14:47	1

Client Sample ID: UNIT_2-5-29_NG_RUN4_CONT 4
Lab Sample ID: 140-29043-25

Date Collected: 09/22/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/6010C - Metals (ICP), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		6.00	0.840	ug/Sample		10/03/22 09:44	10/11/22 18:53	1
Arsenic	ND		1.00	0.180	ug/Sample		10/03/22 09:44	10/11/22 18:53	1
Beryllium	ND		0.500	0.0470	ug/Sample		10/03/22 09:44	10/11/22 18:53	1
Cadmium	ND		0.500	0.0180	ug/Sample		10/03/22 09:44	10/11/22 18:53	1
Chromium	0.404	J	1.00	0.180	ug/Sample		10/03/22 09:44	10/11/22 18:53	1
Cobalt	ND		5.00	0.100	ug/Sample		10/03/22 09:44	10/11/22 18:53	1
Lead	ND		1.00	0.480	ug/Sample		10/03/22 09:44	10/11/22 18:53	1
Manganese	11.2		1.50	0.180	ug/Sample		10/03/22 09:44	10/11/22 18:53	1
Nickel	0.402	J	4.00	0.260	ug/Sample		10/03/22 09:44	10/11/22 18:53	1
Selenium	ND		1.00	0.390	ug/Sample		10/03/22 09:44	10/11/22 18:53	1

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.400	0.120	ug/Sample		10/05/22 14:00	10/06/22 16:25	1

Client Sample ID: UNIT_2-5-29_NG_RUN4_CONT 5A
Lab Sample ID: 140-29043-26

Date Collected: 09/22/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.420	0.126	ug/Sample		10/04/22 08:00	10/05/22 14:36	1

Client Sample ID: UNIT_2-5-29_NG_RUN4_CONT 5B
Lab Sample ID: 140-29043-27

Date Collected: 09/22/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.150	0.0450	ug/Sample		10/04/22 08:00	10/05/22 16:15	1

Client Sample ID: UNIT_2-5-29_NG_RUN4_CONT 5C
Lab Sample ID: 140-29043-28

Date Collected: 09/22/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.300	0.132	ug/Sample		10/05/22 08:00	10/06/22 13:26	1

Client Sample ID: UNIT_2-5-29_NG_RUN5_CONT 1
Lab Sample ID: 140-29043-29

Date Collected: 09/22/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulates, Total (EPA 5)	ND		0.500	0.500	mg/sample			10/03/22 17:25	1

Client Sample ID: UNIT_2-5-29_NG_RUN5_CONT 2
Lab Sample ID: 140-29043-30

Date Collected: 09/22/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulates, Total (EPA 5)	**1.69**		0.500	0.500	mg/sample			10/03/22 17:25	1

Client Sample ID: UNIT_2-5-29_NG_RUN5_CONT 1,2,3
Lab Sample ID: 140-29043-31

Date Collected: 09/22/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/6010C - Metals (ICP), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**1.28**	**J**	6.00	1.10	ug/Sample		10/05/22 09:15	10/12/22 16:21	1
Arsenic	ND		2.00	1.78	ug/Sample		10/05/22 09:15	10/13/22 15:17	2
Beryllium	ND		0.500	0.0160	ug/Sample		10/05/22 09:15	10/12/22 16:21	1
Cadmium	ND		0.500	0.280	ug/Sample		10/05/22 09:15	10/12/22 16:21	1
Chromium	**6.98**		1.00	0.190	ug/Sample		10/05/22 09:15	10/12/22 16:21	1
Cobalt	ND		10.0	2.00	ug/Sample		10/05/22 09:15	10/13/22 15:17	2

Client Sample ID: UNIT_2-5-29_NG_RUN5_CONT 1,2,3
Lab Sample ID: 140-29043-31

Date Collected: 09/22/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/6010C - Metals (ICP), Stationary Source (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.00	0.940	ug/Sample		10/05/22 09:15	10/13/22 15:17	2
Manganese	**1.48**	**J**	1.50	0.120	ug/Sample		10/05/22 09:15	10/12/22 16:21	1
Nickel	**1.81**	**J**	8.00	0.500	ug/Sample		10/05/22 09:15	10/13/22 15:17	2
Selenium	ND		2.00	1.32	ug/Sample		10/05/22 09:15	10/13/22 15:17	2

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.0840	ug/Sample		10/05/22 09:15	10/12/22 14:49	1

Client Sample ID: UNIT_2-5-29_NG_RUN5_CONT 4
Lab Sample ID: 140-29043-32

Date Collected: 09/22/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/6010C - Metals (ICP), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		6.00	0.840	ug/Sample		10/03/22 09:44	10/11/22 18:58	1
Arsenic	ND		1.00	0.180	ug/Sample		10/03/22 09:44	10/11/22 18:58	1
Beryllium	ND		0.500	0.0470	ug/Sample		10/03/22 09:44	10/11/22 18:58	1
Cadmium	ND		0.500	0.0180	ug/Sample		10/03/22 09:44	10/11/22 18:58	1
Chromium	**0.531**	**J**	1.00	0.180	ug/Sample		10/03/22 09:44	10/11/22 18:58	1
Cobalt	ND		5.00	0.100	ug/Sample		10/03/22 09:44	10/11/22 18:58	1
Lead	ND		1.00	0.480	ug/Sample		10/03/22 09:44	10/11/22 18:58	1
Manganese	**1.45**	**J**	1.50	0.180	ug/Sample		10/03/22 09:44	10/11/22 18:58	1
Nickel	**0.422**	**J**	4.00	0.260	ug/Sample		10/03/22 09:44	10/11/22 18:58	1
Selenium	**0.781**	**J**	1.00	0.390	ug/Sample		10/03/22 09:44	10/11/22 18:58	1

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.400	0.120	ug/Sample		10/05/22 14:00	10/06/22 16:33	1

Client Sample ID: UNIT_2-5-29_NG_RUN5_CONT 5A
Lab Sample ID: 140-29043-33

Date Collected: 09/22/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.400	0.120	ug/Sample		10/04/22 08:00	10/05/22 14:39	1

Client Sample ID: UNIT_2-5-29_NG_RUN5_CONT 5B
Lab Sample ID: 140-29043-34

Date Collected: 09/22/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.150	0.0450	ug/Sample		10/04/22 08:00	10/05/22 16:18	1

Client: TRC Environmental Corporation
Job ID: 140-29043-1
Project/Site: Georgia Power Mcintosh ICR-Unit 2 NG M5/M29

Client Sample ID: UNIT_2-5-29_NG_RUN5_CONT 5C
Lab Sample ID: 140-29043-35
Date Collected: 09/22/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.290	0.128	ug/Sample		10/05/22 08:00	10/06/22 13:29	1

Client Sample ID: FTB-5-29_NG_ CONT 1
Lab Sample ID: 140-29043-36
Date Collected: 09/21/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulates, Total (EPA 5)	**0.890**		0.500	0.500	mg/sample			10/03/22 17:25	1

Client Sample ID: FTB-5-29_NG_ CONT 2
Lab Sample ID: 140-29043-37
Date Collected: 09/21/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulates, Total (EPA 5)	**1.61**		0.500	0.500	mg/sample			10/03/22 17:25	1

Client Sample ID: FTB-5-29_NG_ CONT 1,2,3
Lab Sample ID: 140-29043-38
Date Collected: 09/21/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/6010C - Metals (ICP), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		6.00	1.10	ug/Sample		10/05/22 09:15	10/12/22 16:26	1
Arsenic	ND		2.00	1.78	ug/Sample		10/05/22 09:15	10/13/22 15:22	2
Beryllium	ND		0.500	0.0160	ug/Sample		10/05/22 09:15	10/12/22 16:26	1
Cadmium	ND		0.500	0.280	ug/Sample		10/05/22 09:15	10/12/22 16:26	1
Chromium	**2.01**		1.00	0.190	ug/Sample		10/05/22 09:15	10/12/22 16:26	1
Cobalt	ND		10.0	2.00	ug/Sample		10/05/22 09:15	10/13/22 15:22	2
Lead	ND		2.00	0.940	ug/Sample		10/05/22 09:15	10/13/22 15:22	2
Manganese	**1.05**	**J**	1.50	0.120	ug/Sample		10/05/22 09:15	10/12/22 16:26	1
Nickel	ND		8.00	0.500	ug/Sample		10/05/22 09:15	10/13/22 15:22	2
Selenium	ND		2.00	1.32	ug/Sample		10/05/22 09:15	10/13/22 15:22	2

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.0840	ug/Sample		10/05/22 09:15	10/12/22 14:52	1

Client Sample ID: FTB-5-29_NG_ CONT 4
Lab Sample ID: 140-29043-39
Date Collected: 09/21/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/6010C - Metals (ICP), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		6.00	0.840	ug/Sample		10/03/22 09:44	10/11/22 19:03	1
Arsenic	ND		1.00	0.180	ug/Sample		10/03/22 09:44	10/11/22 19:03	1

Client: TRC Environmental Corporation
Job ID: 140-29043-1
Project/Site: Georgia Power Mcintosh ICR-Unit 2 NG M5/M29

Client Sample ID: FTB-5-29_NG_ CONT 4
Lab Sample ID: 140-29043-39
Date Collected: 09/21/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/6010C - Metals (ICP), Stationary Source (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	ND		0.500	0.0470	ug/Sample		10/03/22 09:44	10/12/22 13:00	1
Cadmium	ND		0.500	0.0180	ug/Sample		10/03/22 09:44	10/11/22 19:03	1
Chromium	ND		1.00	0.180	ug/Sample		10/03/22 09:44	10/12/22 13:00	1
Cobalt	ND		5.00	0.100	ug/Sample		10/03/22 09:44	10/11/22 19:03	1
Lead	ND		1.00	0.480	ug/Sample		10/03/22 09:44	10/11/22 19:03	1
Manganese	**0.750**	**J**	1.50	0.180	ug/Sample		10/03/22 09:44	10/12/22 13:00	1
Nickel	ND		4.00	0.260	ug/Sample		10/03/22 09:44	10/11/22 19:03	1
Selenium	ND		1.00	0.390	ug/Sample		10/03/22 09:44	10/11/22 19:03	1

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.400	0.120	ug/Sample		10/05/22 14:00	10/06/22 16:35	1

Client Sample ID: FTB-5-29_NG_ CONT 5A
Lab Sample ID: 140-29043-40
Date Collected: 09/21/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.400	0.120	ug/Sample		10/04/22 08:00	10/05/22 14:41	1

Client Sample ID: FTB-5-29_NG_ CONT 5B
Lab Sample ID: 140-29043-41
Date Collected: 09/21/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0400	0.0120	ug/Sample		10/04/22 08:00	10/05/22 16:26	1

Client Sample ID: FTB-5-29_NG_ CONT 5C
Lab Sample ID: 140-29043-42
Date Collected: 09/21/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.275	0.121	ug/Sample		10/05/22 08:00	10/06/22 13:31	1

Default Detection Limits

Client: TRC Environmental Corporation
Job ID: 140-29043-1
Project/Site: Georgia Power Mcintosh ICR-Unit 2 NG M5/M29

Method: 29/6010C - Metals (ICP), Stationary Source
Prep: AT Prep (BH)

Analyte	RL	MDL	Units
Antimony	6.00	0.840	ug/Sample
Arsenic	1.00	0.180	ug/Sample
Beryllium	0.500	0.0470	ug/Sample
Cadmium	0.500	0.0180	ug/Sample
Chromium	1.00	0.180	ug/Sample
Cobalt	5.00	0.100	ug/Sample
Lead	1.00	0.480	ug/Sample
Manganese	1.50	0.180	ug/Sample
Nickel	4.00	0.260	ug/Sample
Selenium	1.00	0.390	ug/Sample

Method: 29/6010C - Metals (ICP), Stationary Source
Prep: AT Prep (FH)

Analyte	RL	MDL	Units
Antimony	6.00	1.10	ug/Sample
Arsenic	1.00	0.890	ug/Sample
Beryllium	0.500	0.0160	ug/Sample
Cadmium	0.500	0.280	ug/Sample
Chromium	1.00	0.190	ug/Sample
Cobalt	5.00	1.00	ug/Sample
Lead	1.00	0.470	ug/Sample
Manganese	1.50	0.120	ug/Sample
Nickel	4.00	0.250	ug/Sample
Selenium	1.00	0.660	ug/Sample

Method: 29/7470A - Mercury (CVAA), Stationary Source
Prep: AT Prep (BH)

Analyte	RL	MDL	Units
Mercury	0.400	0.120	ug/Sample

Method: 29/7470A - Mercury (CVAA), Stationary Source
Prep: AT Prep (Empty)

Analyte	RL	MDL	Units
Mercury	0.200	0.0600	ug/Sample

Method: 29/7470A - Mercury (CVAA), Stationary Source
Prep: AT Prep (FH)

Analyte	RL	MDL	Units
Mercury	0.200	0.0840	ug/Sample

Method: 29/7470A - Mercury (CVAA), Stationary Source
Prep: AT Prep (HCl)

Analyte	RL	MDL	Units
Mercury	0.0500	0.0220	ug/Sample

Method: 29/7470A - Mercury (CVAA), Stationary Source
Prep: AT Prep (KMnO4)

Analyte	RL	MDL	Units
Mercury	0.0200	0.00600	ug/Sample

Default Detection Limits

Client: TRC Environmental Corporation
Job ID: 140-29043-1
Project/Site: Georgia Power Mcintosh ICR-Unit 2 NG M5/M29

General Chemistry

Analyte	RL	MDL	Units
Particulates, Total	0.500	0.500	mg/sample

Method: 29/6010C - Metals (ICP), Stationary Source

Lab Sample ID: MB 140-65922/3-A
Matrix: Air
Analysis Batch: 66250

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 65922

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		6.00	0.840	ug/Sample		10/03/22 09:44	10/11/22 14:20	1
Arsenic	ND		1.00	0.180	ug/Sample		10/03/22 09:44	10/11/22 14:20	1
Beryllium	ND		0.500	0.0470	ug/Sample		10/03/22 09:44	10/11/22 14:20	1
Cadmium	ND		0.500	0.0180	ug/Sample		10/03/22 09:44	10/11/22 14:20	1
Chromium	ND		1.00	0.180	ug/Sample		10/03/22 09:44	10/11/22 14:20	1
Cobalt	ND		5.00	0.100	ug/Sample		10/03/22 09:44	10/11/22 14:20	1
Lead	ND		1.00	0.480	ug/Sample		10/03/22 09:44	10/11/22 14:20	1
Manganese	ND		1.50	0.180	ug/Sample		10/03/22 09:44	10/11/22 14:20	1
Nickel	ND		4.00	0.260	ug/Sample		10/03/22 09:44	10/11/22 14:20	1
Selenium	ND		1.00	0.390	ug/Sample		10/03/22 09:44	10/11/22 14:20	1

Lab Sample ID: LCS 140-65922/4-A
Matrix: Air
Analysis Batch: 66250

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 65922

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	50.0	48.70		ug/Sample		97	80 - 120
Arsenic	10.0	9.762		ug/Sample		98	80 - 120
Beryllium	5.00	5.248		ug/Sample		105	80 - 120
Cadmium	5.00	5.003		ug/Sample		100	80 - 120
Chromium	20.0	20.43		ug/Sample		102	80 - 120
Cobalt	10.0	10.08		ug/Sample		101	80 - 120
Lead	10.0	9.818		ug/Sample		98	80 - 120
Manganese	10.0	9.834		ug/Sample		98	80 - 120
Nickel	50.0	51.10		ug/Sample		102	80 - 120
Selenium	15.0	14.06		ug/Sample		94	80 - 120

Lab Sample ID: LCSD 140-65922/5-A
Matrix: Air
Analysis Batch: 66250

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 65922

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	50.0	49.23		ug/Sample		98	80 - 120	1	20
Arsenic	10.0	10.06		ug/Sample		101	80 - 120	3	20
Beryllium	5.00	5.331		ug/Sample		107	80 - 120	2	20
Cadmium	5.00	5.047		ug/Sample		101	80 - 120	1	20
Chromium	20.0	20.71		ug/Sample		104	80 - 120	1	20
Cobalt	10.0	10.16		ug/Sample		102	80 - 120	1	20
Lead	10.0	10.03		ug/Sample		100	80 - 120	2	20
Manganese	10.0	9.991		ug/Sample		100	80 - 120	2	20
Nickel	50.0	52.19		ug/Sample		104	80 - 120	2	20
Selenium	15.0	14.40		ug/Sample		96	80 - 120	2	20

Lab Sample ID: MB 140-66006/1-A
Matrix: Air
Analysis Batch: 66288

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 66006

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		6.00	1.10	ug/Sample		10/05/22 09:15	10/12/22 12:31	1

Method: 29/6010C - Metals (ICP), Stationary Source (Continued)

Lab Sample ID: MB 140-66006/1-A
Matrix: Air
Analysis Batch: 66288

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 66006

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.00	0.890	ug/Sample		10/05/22 09:15	10/12/22 12:31	1
Beryllium	ND		0.500	0.0160	ug/Sample		10/05/22 09:15	10/12/22 12:31	1
Cadmium	ND		0.500	0.280	ug/Sample		10/05/22 09:15	10/12/22 12:31	1
Chromium	ND		1.00	0.190	ug/Sample		10/05/22 09:15	10/12/22 12:31	1
Cobalt	ND		5.00	1.00	ug/Sample		10/05/22 09:15	10/12/22 12:31	1
Lead	ND		1.00	0.470	ug/Sample		10/05/22 09:15	10/12/22 12:31	1
Manganese	ND		1.50	0.120	ug/Sample		10/05/22 09:15	10/12/22 12:31	1
Nickel	ND		4.00	0.250	ug/Sample		10/05/22 09:15	10/12/22 12:31	1
Selenium	ND		1.00	0.660	ug/Sample		10/05/22 09:15	10/12/22 12:31	1

Lab Sample ID: LCS 140-66006/2-A
Matrix: Air
Analysis Batch: 66288

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 66006

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	50.0	51.22		ug/Sample		102	80 - 120
Arsenic	10.0	10.71		ug/Sample		107	80 - 120
Beryllium	5.00	5.360		ug/Sample		107	80 - 120
Cadmium	5.00	5.250		ug/Sample		105	80 - 120
Chromium	20.0	21.69		ug/Sample		108	80 - 120
Cobalt	10.0	10.54		ug/Sample		105	80 - 120
Lead	10.0	10.40		ug/Sample		104	80 - 120
Manganese	10.0	10.48		ug/Sample		105	80 - 120
Nickel	50.0	53.75		ug/Sample		108	80 - 120
Selenium	15.0	14.46		ug/Sample		96	80 - 120

Lab Sample ID: LCSD 140-66006/3-A
Matrix: Air
Analysis Batch: 66288

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 66006

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	50.0	50.58		ug/Sample		101	80 - 120	1	20
Arsenic	10.0	10.61		ug/Sample		106	80 - 120	1	20
Beryllium	5.00	5.263		ug/Sample		105	80 - 120	2	20
Cadmium	5.00	5.165		ug/Sample		103	80 - 120	2	20
Chromium	20.0	21.33		ug/Sample		107	80 - 120	2	20
Cobalt	10.0	10.42		ug/Sample		104	80 - 120	1	20
Lead	10.0	10.38		ug/Sample		104	80 - 120	0	20
Manganese	10.0	10.29		ug/Sample		103	80 - 120	2	20
Nickel	50.0	52.98		ug/Sample		106	80 - 120	1	20
Selenium	15.0	14.31		ug/Sample		95	80 - 120	1	20

Method: 29/7470A - Mercury (CVAA), Stationary Source

Lab Sample ID: MB 140-65868/1-B
Matrix: Air
Analysis Batch: 66043

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 65933

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.0600	ug/Sample		10/04/22 08:00	10/05/22 14:13	1

Method: 29/7470A - Mercury (CVAA), Stationary Source

Lab Sample ID: LCS 140-65868/2-B
Client Sample ID: Lab Control Sample
Matrix: Air
Prep Type: Total/NA
Analysis Batch: 66043
Prep Batch: 65933

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	5.00	5.397		ug/Sample		108	80 - 120

Lab Sample ID: 140-29043-19 MS
Client Sample ID: UNIT_2-5-29_NG_RUN3_CONT 5A
Matrix: Air
Prep Type: Total/NA
Analysis Batch: 66043
Prep Batch: 65933

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	ND		2.00	2.091		ug/Sample		105	80 - 120

Lab Sample ID: 140-29043-19 MSD
Client Sample ID: UNIT_2-5-29_NG_RUN3_CONT 5A
Matrix: Air
Prep Type: Total/NA
Analysis Batch: 66043
Prep Batch: 65933

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		2.00	1.993		ug/Sample		100	80 - 120	5	20

Lab Sample ID: MB 140-65871/1-B
Client Sample ID: Method Blank
Matrix: Air
Prep Type: Total/NA
Analysis Batch: 66043
Prep Batch: 65936

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0200	0.00600	ug/Sample		10/04/22 08:00	10/05/22 15:58	1

Lab Sample ID: LCS 140-65871/2-B
Client Sample ID: Lab Control Sample
Matrix: Air
Prep Type: Total/NA
Analysis Batch: 66043
Prep Batch: 65936

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.500	0.4764		ug/Sample		95	80 - 120

Lab Sample ID: 140-29043-20 MS
Client Sample ID: UNIT_2-5-29_NG_RUN3_CONT 5B
Matrix: Air
Prep Type: Total/NA
Analysis Batch: 66043
Prep Batch: 65936

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	ND		0.750	0.6950		ug/Sample		93	80 - 120

Lab Sample ID: 140-29043-20 MSD
Client Sample ID: UNIT_2-5-29_NG_RUN3_CONT 5B
Matrix: Air
Prep Type: Total/NA
Analysis Batch: 66043
Prep Batch: 65936

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		0.750	0.7340		ug/Sample		98	80 - 120	5	20

Lab Sample ID: MB 140-65873/1-B
Client Sample ID: Method Blank
Matrix: Air
Prep Type: Total/NA
Analysis Batch: 66078
Prep Batch: 65991

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0500	0.0220	ug/Sample		10/05/22 08:00	10/06/22 13:03	1

Client: TRC Environmental Corporation
Project/Site: Georgia Power Mcintosh ICR-Unit 2 NG M5/M29

Job ID: 140-29043-1

Method: 29/7470A - Mercury (CVAA), Stationary Source

Lab Sample ID: LCS 140-65873/2-B
Matrix: Air
Analysis Batch: 66078

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 65991

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			1.25	1.358		ug/Sample		109	80 - 120		

Lab Sample ID: 140-29043-21 MS
Matrix: Air
Analysis Batch: 66078

Client Sample ID: UNIT_2-5-29_NG_RUN3_CONT 5C
Prep Type: Total/NA
Prep Batch: 65991

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	ND		1.35	1.402		ug/Sample		104	80 - 120		

Lab Sample ID: 140-29043-21 MSD
Matrix: Air
Analysis Batch: 66078

Client Sample ID: UNIT_2-5-29_NG_RUN3_CONT 5C
Prep Type: Total/NA
Prep Batch: 65991

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		1.35	1.386		ug/Sample		103	80 - 120	1	20

Lab Sample ID: MB 140-66006/1-B
Matrix: Air
Analysis Batch: 66275

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 66006

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.0840	ug/Sample		10/05/22 09:15	10/12/22 14:17	1

Lab Sample ID: LCS 140-66006/2-B
Matrix: Air
Analysis Batch: 66275

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 66006

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			5.00	5.741		ug/Sample		115	80 - 120		

Lab Sample ID: LCSD 140-66006/3-B
Matrix: Air
Analysis Batch: 66275

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 66006

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury			5.00	5.792		ug/Sample		116	80 - 120	1	20

Lab Sample ID: MB 140-66024/1-B
Matrix: Air
Analysis Batch: 66078

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 66028

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.400	0.120	ug/Sample		10/05/22 14:00	10/06/22 15:47	1

Lab Sample ID: LCS 140-66024/2-B
Matrix: Air
Analysis Batch: 66078

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 66028

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			10.0	10.41		ug/Sample		104	80 - 120		

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QC Sample Results

Client: TRC Environmental Corporation
Job ID: 140-29043-1
Project/Site: Georgia Power Mcintosh ICR-Unit 2 NG M5/M29

Method: 29/7470A - Mercury (CVAA), Stationary Source

Lab Sample ID: 140-29043-18 MS
Client Sample ID: UNIT_2-5-29_NG_RUN3_CONT 4
Matrix: Air
Prep Type: Total/NA
Analysis Batch: 66078
Prep Batch: 66028

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	ND		2.00	2.126		ug/Sample		106	80 - 120

Lab Sample ID: 140-29043-18 MSD
Client Sample ID: UNIT_2-5-29_NG_RUN3_CONT 4
Matrix: Air
Prep Type: Total/NA
Analysis Batch: 66078
Prep Batch: 66028

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		2.00	1.986		ug/Sample		99	80 - 120	7	20

QC Association Summary

Client: TRC Environmental Corporation
Job ID: 140-29043-1
Project/Site: Georgia Power Mcintosh ICR-Unit 2 NG M5/M29

Metals

Pre Prep Batch: 65868

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-29043-5	UNIT_2-5-29_NG_RUN1_CONT 5A	Total/NA	Air	Air Train Vol.	
140-29043-12	UNIT_2-5-29_NG_RUN2_CONT 5A	Total/NA	Air	Air Train Vol.	
140-29043-19	UNIT_2-5-29_NG_RUN3_CONT 5A	Total/NA	Air	Air Train Vol.	
140-29043-26	UNIT_2-5-29_NG_RUN4_CONT 5A	Total/NA	Air	Air Train Vol.	
140-29043-33	UNIT_2-5-29_NG_RUN5_CONT 5A	Total/NA	Air	Air Train Vol.	
140-29043-40	FTB-5-29_NG_ CONT 5A	Total/NA	Air	Air Train Vol.	
MB 140-65868/1-B	Method Blank	Total/NA	Air	Air Train Vol.	
LCS 140-65868/2-B	Lab Control Sample	Total/NA	Air	Air Train Vol.	
140-29043-19 MS	UNIT_2-5-29_NG_RUN3_CONT 5A	Total/NA	Air	Air Train Vol.	
140-29043-19 MSD	UNIT_2-5-29_NG_RUN3_CONT 5A	Total/NA	Air	Air Train Vol.	

Pre Prep Batch: 65871

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-29043-6	UNIT_2-5-29_NG_RUN1_CONT 5B	Total/NA	Air	Air Train Vol.	
140-29043-13	UNIT_2-5-29_NG_RUN2_CONT 5B	Total/NA	Air	Air Train Vol.	
140-29043-20	UNIT_2-5-29_NG_RUN3_CONT 5B	Total/NA	Air	Air Train Vol.	
140-29043-27	UNIT_2-5-29_NG_RUN4_CONT 5B	Total/NA	Air	Air Train Vol.	
140-29043-34	UNIT_2-5-29_NG_RUN5_CONT 5B	Total/NA	Air	Air Train Vol.	
140-29043-41	FTB-5-29_NG_ CONT 5B	Total/NA	Air	Air Train Vol.	
MB 140-65871/1-B	Method Blank	Total/NA	Air	Air Train Vol.	
LCS 140-65871/2-B	Lab Control Sample	Total/NA	Air	Air Train Vol.	
140-29043-20 MS	UNIT_2-5-29_NG_RUN3_CONT 5B	Total/NA	Air	Air Train Vol.	
140-29043-20 MSD	UNIT_2-5-29_NG_RUN3_CONT 5B	Total/NA	Air	Air Train Vol.	

Pre Prep Batch: 65873

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-29043-7	UNIT_2-5-29_NG_RUN1_CONT 5C	Total/NA	Air	Air Train Vol.	
140-29043-14	UNIT_2-5-29_NG_RUN2_CONT 5C	Total/NA	Air	Air Train Vol.	
140-29043-21	UNIT_2-5-29_NG_RUN3_CONT 5C	Total/NA	Air	Air Train Vol.	
140-29043-28	UNIT_2-5-29_NG_RUN4_CONT 5C	Total/NA	Air	Air Train Vol.	
140-29043-35	UNIT_2-5-29_NG_RUN5_CONT 5C	Total/NA	Air	Air Train Vol.	
140-29043-42	FTB-5-29_NG_ CONT 5C	Total/NA	Air	Air Train Vol.	
MB 140-65873/1-B	Method Blank	Total/NA	Air	Air Train Vol.	
LCS 140-65873/2-B	Lab Control Sample	Total/NA	Air	Air Train Vol.	
140-29043-21 MS	UNIT_2-5-29_NG_RUN3_CONT 5C	Total/NA	Air	Air Train Vol.	
140-29043-21 MSD	UNIT_2-5-29_NG_RUN3_CONT 5C	Total/NA	Air	Air Train Vol.	

Prep Batch: 65922

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-29043-4	UNIT_2-5-29_NG_RUN1_CONT 4	Total/NA	Air	AT Prep (BH)	
140-29043-11	UNIT_2-5-29_NG_RUN2_CONT 4	Total/NA	Air	AT Prep (BH)	
140-29043-18	UNIT_2-5-29_NG_RUN3_CONT 4	Total/NA	Air	AT Prep (BH)	
140-29043-25	UNIT_2-5-29_NG_RUN4_CONT 4	Total/NA	Air	AT Prep (BH)	
140-29043-32	UNIT_2-5-29_NG_RUN5_CONT 4	Total/NA	Air	AT Prep (BH)	
140-29043-39	FTB-5-29_NG_ CONT 4	Total/NA	Air	AT Prep (BH)	
MB 140-65922/3-A	Method Blank	Total/NA	Air	AT Prep (BH)	
LCS 140-65922/4-A	Lab Control Sample	Total/NA	Air	AT Prep (BH)	
LCSD 140-65922/5-A	Lab Control Sample Dup	Total/NA	Air	AT Prep (BH)	

QC Association Summary

Client: TRC Environmental Corporation
Project/Site: Georgia Power Mcintosh ICR-Unit 2 NG M5/M29

Job ID: 140-29043-1

Metals

Prep Batch: 65933

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-29043-5	UNIT_2-5-29_NG_RUN1_CONT 5A	Total/NA	Air	AT Prep (Empty)	65868
140-29043-12	UNIT_2-5-29_NG_RUN2_CONT 5A	Total/NA	Air	AT Prep (Empty)	65868
140-29043-19	UNIT_2-5-29_NG_RUN3_CONT 5A	Total/NA	Air	AT Prep (Empty)	65868
140-29043-26	UNIT_2-5-29_NG_RUN4_CONT 5A	Total/NA	Air	AT Prep (Empty)	65868
140-29043-33	UNIT_2-5-29_NG_RUN5_CONT 5A	Total/NA	Air	AT Prep (Empty)	65868
140-29043-40	FTB-5-29_NG_ CONT 5A	Total/NA	Air	AT Prep (Empty)	65868
MB 140-65868/1-B	Method Blank	Total/NA	Air	AT Prep (Empty)	65868
LCS 140-65868/2-B	Lab Control Sample	Total/NA	Air	AT Prep (Empty)	65868
140-29043-19 MS	UNIT_2-5-29_NG_RUN3_CONT 5A	Total/NA	Air	AT Prep (Empty)	65868
140-29043-19 MSD	UNIT_2-5-29_NG_RUN3_CONT 5A	Total/NA	Air	AT Prep (Empty)	65868

Prep Batch: 65936

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-29043-6	UNIT_2-5-29_NG_RUN1_CONT 5B	Total/NA	Air	AT Prep (KMnO4)	65871
140-29043-13	UNIT_2-5-29_NG_RUN2_CONT 5B	Total/NA	Air	AT Prep (KMnO4)	65871
140-29043-20	UNIT_2-5-29_NG_RUN3_CONT 5B	Total/NA	Air	AT Prep (KMnO4)	65871
140-29043-27	UNIT_2-5-29_NG_RUN4_CONT 5B	Total/NA	Air	AT Prep (KMnO4)	65871
140-29043-34	UNIT_2-5-29_NG_RUN5_CONT 5B	Total/NA	Air	AT Prep (KMnO4)	65871
140-29043-41	FTB-5-29_NG_ CONT 5B	Total/NA	Air	AT Prep (KMnO4)	65871
MB 140-65871/1-B	Method Blank	Total/NA	Air	AT Prep (KMnO4)	65871
LCS 140-65871/2-B	Lab Control Sample	Total/NA	Air	AT Prep (KMnO4)	65871
140-29043-20 MS	UNIT_2-5-29_NG_RUN3_CONT 5B	Total/NA	Air	AT Prep (KMnO4)	65871
140-29043-20 MSD	UNIT_2-5-29_NG_RUN3_CONT 5B	Total/NA	Air	AT Prep (KMnO4)	65871

Prep Batch: 65991

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-29043-7	UNIT_2-5-29_NG_RUN1_CONT 5C	Total/NA	Air	AT Prep (HCl)	65873
140-29043-14	UNIT_2-5-29_NG_RUN2_CONT 5C	Total/NA	Air	AT Prep (HCl)	65873
140-29043-21	UNIT_2-5-29_NG_RUN3_CONT 5C	Total/NA	Air	AT Prep (HCl)	65873
140-29043-28	UNIT_2-5-29_NG_RUN4_CONT 5C	Total/NA	Air	AT Prep (HCl)	65873
140-29043-35	UNIT_2-5-29_NG_RUN5_CONT 5C	Total/NA	Air	AT Prep (HCl)	65873
140-29043-42	FTB-5-29_NG_ CONT 5C	Total/NA	Air	AT Prep (HCl)	65873
MB 140-65873/1-B	Method Blank	Total/NA	Air	AT Prep (HCl)	65873
LCS 140-65873/2-B	Lab Control Sample	Total/NA	Air	AT Prep (HCl)	65873
140-29043-21 MS	UNIT_2-5-29_NG_RUN3_CONT 5C	Total/NA	Air	AT Prep (HCl)	65873
140-29043-21 MSD	UNIT_2-5-29_NG_RUN3_CONT 5C	Total/NA	Air	AT Prep (HCl)	65873

Prep Batch: 66006

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-29043-3	UNIT_2-5-29_NG_RUN1_CONT 1,2,3	Total/NA	Air	AT Prep (FH)	
140-29043-10	UNIT_2-5-29_NG_RUN2_CONT 1,2,3	Total/NA	Air	AT Prep (FH)	
140-29043-17	UNIT_2-5-29_NG_RUN3_CONT 1,2,3	Total/NA	Air	AT Prep (FH)	
140-29043-24	UNIT_2-5-29_NG_RUN4_CONT 1,2,3	Total/NA	Air	AT Prep (FH)	
140-29043-31	UNIT_2-5-29_NG_RUN5_CONT 1,2,3	Total/NA	Air	AT Prep (FH)	

Metals (Continued)

Prep Batch: 66006 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-29043-38	FTB-5-29_NG_ CONT 1,2,3	Total/NA	Air	AT Prep (FH)	
MB 140-66006/1-A	Method Blank	Total/NA	Air	AT Prep (FH)	
MB 140-66006/1-B	Method Blank	Total/NA	Air	AT Prep (FH)	
LCS 140-66006/2-A	Lab Control Sample	Total/NA	Air	AT Prep (FH)	
LCS 140-66006/2-B	Lab Control Sample	Total/NA	Air	AT Prep (FH)	
LCSD 140-66006/3-A	Lab Control Sample Dup	Total/NA	Air	AT Prep (FH)	
LCSD 140-66006/3-B	Lab Control Sample Dup	Total/NA	Air	AT Prep (FH)	

Pre Prep Batch: 66024

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-29043-4	UNIT_2-5-29_NG_RUN1_CONT 4	Total/NA	Air	Air Train Vol.	
140-29043-11	UNIT_2-5-29_NG_RUN2_CONT 4	Total/NA	Air	Air Train Vol.	
140-29043-18	UNIT_2-5-29_NG_RUN3_CONT 4	Total/NA	Air	Air Train Vol.	
140-29043-25	UNIT_2-5-29_NG_RUN4_CONT 4	Total/NA	Air	Air Train Vol.	
140-29043-32	UNIT_2-5-29_NG_RUN5_CONT 4	Total/NA	Air	Air Train Vol.	
140-29043-39	FTB-5-29_NG_ CONT 4	Total/NA	Air	Air Train Vol.	
MB 140-66024/1-B	Method Blank	Total/NA	Air	Air Train Vol.	
LCS 140-66024/2-B	Lab Control Sample	Total/NA	Air	Air Train Vol.	
140-29043-18 MS	UNIT_2-5-29_NG_RUN3_CONT 4	Total/NA	Air	Air Train Vol.	
140-29043-18 MSD	UNIT_2-5-29_NG_RUN3_CONT 4	Total/NA	Air	Air Train Vol.	

Prep Batch: 66028

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-29043-4	UNIT_2-5-29_NG_RUN1_CONT 4	Total/NA	Air	AT Prep (BH)	66024
140-29043-11	UNIT_2-5-29_NG_RUN2_CONT 4	Total/NA	Air	AT Prep (BH)	66024
140-29043-18	UNIT_2-5-29_NG_RUN3_CONT 4	Total/NA	Air	AT Prep (BH)	66024
140-29043-25	UNIT_2-5-29_NG_RUN4_CONT 4	Total/NA	Air	AT Prep (BH)	66024
140-29043-32	UNIT_2-5-29_NG_RUN5_CONT 4	Total/NA	Air	AT Prep (BH)	66024
140-29043-39	FTB-5-29_NG_ CONT 4	Total/NA	Air	AT Prep (BH)	66024
MB 140-66024/1-B	Method Blank	Total/NA	Air	AT Prep (BH)	66024
LCS 140-66024/2-B	Lab Control Sample	Total/NA	Air	AT Prep (BH)	66024
140-29043-18 MS	UNIT_2-5-29_NG_RUN3_CONT 4	Total/NA	Air	AT Prep (BH)	66024
140-29043-18 MSD	UNIT_2-5-29_NG_RUN3_CONT 4	Total/NA	Air	AT Prep (BH)	66024

Analysis Batch: 66043

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-29043-5	UNIT_2-5-29_NG_RUN1_CONT 5A	Total/NA	Air	29/7470A	65933
140-29043-6	UNIT_2-5-29_NG_RUN1_CONT 5B	Total/NA	Air	29/7470A	65936
140-29043-12	UNIT_2-5-29_NG_RUN2_CONT 5A	Total/NA	Air	29/7470A	65933
140-29043-13	UNIT_2-5-29_NG_RUN2_CONT 5B	Total/NA	Air	29/7470A	65936
140-29043-19	UNIT_2-5-29_NG_RUN3_CONT 5A	Total/NA	Air	29/7470A	65933
140-29043-20	UNIT_2-5-29_NG_RUN3_CONT 5B	Total/NA	Air	29/7470A	65936
140-29043-26	UNIT_2-5-29_NG_RUN4_CONT 5A	Total/NA	Air	29/7470A	65933
140-29043-27	UNIT_2-5-29_NG_RUN4_CONT 5B	Total/NA	Air	29/7470A	65936
140-29043-33	UNIT_2-5-29_NG_RUN5_CONT 5A	Total/NA	Air	29/7470A	65933
140-29043-34	UNIT_2-5-29_NG_RUN5_CONT 5B	Total/NA	Air	29/7470A	65936
140-29043-40	FTB-5-29_NG_ CONT 5A	Total/NA	Air	29/7470A	65933
140-29043-41	FTB-5-29_NG_ CONT 5B	Total/NA	Air	29/7470A	65936
MB 140-65868/1-B	Method Blank	Total/NA	Air	29/7470A	65933
MB 140-65871/1-B	Method Blank	Total/NA	Air	29/7470A	65936
LCS 140-65868/2-B	Lab Control Sample	Total/NA	Air	29/7470A	65933

Metals (Continued)

Analysis Batch: 66043 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 140-65871/2-B	Lab Control Sample	Total/NA	Air	29/7470A	65936
140-29043-19 MS	UNIT_2-5-29_NG_RUN3_CONT 5A	Total/NA	Air	29/7470A	65933
140-29043-19 MSD	UNIT_2-5-29_NG_RUN3_CONT 5A	Total/NA	Air	29/7470A	65933
140-29043-20 MS	UNIT_2-5-29_NG_RUN3_CONT 5B	Total/NA	Air	29/7470A	65936
140-29043-20 MSD	UNIT_2-5-29_NG_RUN3_CONT 5B	Total/NA	Air	29/7470A	65936

Analysis Batch: 66078

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-29043-4	UNIT_2-5-29_NG_RUN1_CONT 4	Total/NA	Air	29/7470A	66028
140-29043-7	UNIT_2-5-29_NG_RUN1_CONT 5C	Total/NA	Air	29/7470A	65991
140-29043-11	UNIT_2-5-29_NG_RUN2_CONT 4	Total/NA	Air	29/7470A	66028
140-29043-14	UNIT_2-5-29_NG_RUN2_CONT 5C	Total/NA	Air	29/7470A	65991
140-29043-18	UNIT_2-5-29_NG_RUN3_CONT 4	Total/NA	Air	29/7470A	66028
140-29043-21	UNIT_2-5-29_NG_RUN3_CONT 5C	Total/NA	Air	29/7470A	65991
140-29043-25	UNIT_2-5-29_NG_RUN4_CONT 4	Total/NA	Air	29/7470A	66028
140-29043-28	UNIT_2-5-29_NG_RUN4_CONT 5C	Total/NA	Air	29/7470A	65991
140-29043-32	UNIT_2-5-29_NG_RUN5_CONT 4	Total/NA	Air	29/7470A	66028
140-29043-35	UNIT_2-5-29_NG_RUN5_CONT 5C	Total/NA	Air	29/7470A	65991
140-29043-39	FTB-5-29_NG_ CONT 4	Total/NA	Air	29/7470A	66028
140-29043-42	FTB-5-29_NG_ CONT 5C	Total/NA	Air	29/7470A	65991
MB 140-65873/1-B	Method Blank	Total/NA	Air	29/7470A	65991
MB 140-66024/1-B	Method Blank	Total/NA	Air	29/7470A	66028
LCS 140-65873/2-B	Lab Control Sample	Total/NA	Air	29/7470A	65991
LCS 140-66024/2-B	Lab Control Sample	Total/NA	Air	29/7470A	66028
140-29043-18 MS	UNIT_2-5-29_NG_RUN3_CONT 4	Total/NA	Air	29/7470A	66028
140-29043-18 MSD	UNIT_2-5-29_NG_RUN3_CONT 4	Total/NA	Air	29/7470A	66028
140-29043-21 MS	UNIT_2-5-29_NG_RUN3_CONT 5C	Total/NA	Air	29/7470A	65991
140-29043-21 MSD	UNIT_2-5-29_NG_RUN3_CONT 5C	Total/NA	Air	29/7470A	65991

Cleanup Batch: 66179

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-29043-3	UNIT_2-5-29_NG_RUN1_CONT 1,2,3	Total/NA	Air	AT Prep FH	66006
140-29043-10	UNIT_2-5-29_NG_RUN2_CONT 1,2,3	Total/NA	Air	AT Prep FH	66006
140-29043-17	UNIT_2-5-29_NG_RUN3_CONT 1,2,3	Total/NA	Air	AT Prep FH	66006
140-29043-24	UNIT_2-5-29_NG_RUN4_CONT 1,2,3	Total/NA	Air	AT Prep FH	66006
140-29043-31	UNIT_2-5-29_NG_RUN5_CONT 1,2,3	Total/NA	Air	AT Prep FH	66006
140-29043-38	FTB-5-29_NG_ CONT 1,2,3	Total/NA	Air	AT Prep FH	66006
MB 140-66006/1-B	Method Blank	Total/NA	Air	AT Prep FH	66006
LCS 140-66006/2-B	Lab Control Sample	Total/NA	Air	AT Prep FH	66006
LCSD 140-66006/3-B	Lab Control Sample Dup	Total/NA	Air	AT Prep FH	66006

Analysis Batch: 66250

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-29043-4	UNIT_2-5-29_NG_RUN1_CONT 4	Total/NA	Air	29/6010C	65922
140-29043-11	UNIT_2-5-29_NG_RUN2_CONT 4	Total/NA	Air	29/6010C	65922
140-29043-18	UNIT_2-5-29_NG_RUN3_CONT 4	Total/NA	Air	29/6010C	65922
140-29043-25	UNIT_2-5-29_NG_RUN4_CONT 4	Total/NA	Air	29/6010C	65922
140-29043-32	UNIT_2-5-29_NG_RUN5_CONT 4	Total/NA	Air	29/6010C	65922
140-29043-39	FTB-5-29_NG_ CONT 4	Total/NA	Air	29/6010C	65922
MB 140-65922/3-A	Method Blank	Total/NA	Air	29/6010C	65922
LCS 140-65922/4-A	Lab Control Sample	Total/NA	Air	29/6010C	65922

Metals (Continued)

Analysis Batch: 66250 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 140-65922/5-A	Lab Control Sample Dup	Total/NA	Air	29/6010C	65922

Analysis Batch: 66275

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-29043-3	UNIT_2-5-29_NG_RUN1_CONT 1,2,3	Total/NA	Air	29/7470A	66179
140-29043-10	UNIT_2-5-29_NG_RUN2_CONT 1,2,3	Total/NA	Air	29/7470A	66179
140-29043-17	UNIT_2-5-29_NG_RUN3_CONT 1,2,3	Total/NA	Air	29/7470A	66179
140-29043-24	UNIT_2-5-29_NG_RUN4_CONT 1,2,3	Total/NA	Air	29/7470A	66179
140-29043-31	UNIT_2-5-29_NG_RUN5_CONT 1,2,3	Total/NA	Air	29/7470A	66179
140-29043-38	FTB-5-29_NG_ CONT 1,2,3	Total/NA	Air	29/7470A	66179
MB 140-66006/1-B	Method Blank	Total/NA	Air	29/7470A	66179
LCS 140-66006/2-B	Lab Control Sample	Total/NA	Air	29/7470A	66179
LCSD 140-66006/3-B	Lab Control Sample Dup	Total/NA	Air	29/7470A	66179

Analysis Batch: 66288

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-29043-3	UNIT_2-5-29_NG_RUN1_CONT 1,2,3	Total/NA	Air	29/6010C	66006
140-29043-10	UNIT_2-5-29_NG_RUN2_CONT 1,2,3	Total/NA	Air	29/6010C	66006
140-29043-17	UNIT_2-5-29_NG_RUN3_CONT 1,2,3	Total/NA	Air	29/6010C	66006
140-29043-24	UNIT_2-5-29_NG_RUN4_CONT 1,2,3	Total/NA	Air	29/6010C	66006
140-29043-31	UNIT_2-5-29_NG_RUN5_CONT 1,2,3	Total/NA	Air	29/6010C	66006
140-29043-38	FTB-5-29_NG_ CONT 1,2,3	Total/NA	Air	29/6010C	66006
140-29043-39	FTB-5-29_NG_ CONT 4	Total/NA	Air	29/6010C	65922
MB 140-66006/1-A	Method Blank	Total/NA	Air	29/6010C	66006
LCS 140-66006/2-A	Lab Control Sample	Total/NA	Air	29/6010C	66006
LCSD 140-66006/3-A	Lab Control Sample Dup	Total/NA	Air	29/6010C	66006

Analysis Batch: 66319

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-29043-3	UNIT_2-5-29_NG_RUN1_CONT 1,2,3	Total/NA	Air	29/6010C	66006
140-29043-10	UNIT_2-5-29_NG_RUN2_CONT 1,2,3	Total/NA	Air	29/6010C	66006
140-29043-17	UNIT_2-5-29_NG_RUN3_CONT 1,2,3	Total/NA	Air	29/6010C	66006
140-29043-24	UNIT_2-5-29_NG_RUN4_CONT 1,2,3	Total/NA	Air	29/6010C	66006
140-29043-31	UNIT_2-5-29_NG_RUN5_CONT 1,2,3	Total/NA	Air	29/6010C	66006
140-29043-38	FTB-5-29_NG_ CONT 1,2,3	Total/NA	Air	29/6010C	66006

General Chemistry

Analysis Batch: 65953

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-29043-1	UNIT_2-5-29_NG_RUN1_CONT 1	Total/NA	Air	5	
140-29043-2	UNIT_2-5-29_NG_RUN1_CONT 2	Total/NA	Air	5	
140-29043-8	UNIT_2-5-29_NG_RUN2_CONT 1	Total/NA	Air	5	
140-29043-9	UNIT_2-5-29_NG_RUN2_CONT 2	Total/NA	Air	5	
140-29043-15	UNIT_2-5-29_NG_RUN3_CONT 1	Total/NA	Air	5	
140-29043-16	UNIT_2-5-29_NG_RUN3_CONT 2	Total/NA	Air	5	
140-29043-22	UNIT_2-5-29_NG_RUN4_CONT 1	Total/NA	Air	5	
140-29043-23	UNIT_2-5-29_NG_RUN4_CONT 2	Total/NA	Air	5	
140-29043-29	UNIT_2-5-29_NG_RUN5_CONT 1	Total/NA	Air	5	
140-29043-30	UNIT_2-5-29_NG_RUN5_CONT 2	Total/NA	Air	5	
140-29043-36	FTB-5-29_NG_ CONT 1	Total/NA	Air	5	

QC Association Summary

Client: TRC Environmental Corporation
Job ID: 140-29043-1
Project/Site: Georgia Power Mcintosh ICR-Unit 2 NG M5/M29

General Chemistry (Continued)

Analysis Batch: 65953 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-29043-37	FTB-5-29_NG_ CONT 2	Total/NA	Air	5	

Lab Chronicle

Client: TRC Environmental Corporation
Job ID: 140-29043-1
Project/Site: Georgia Power Mcintosh ICR-Unit 2 NG M5/M29

Client Sample ID: UNIT_2-5-29_NG_RUN1_CONT 1
Lab Sample ID: 140-29043-1
Date Collected: 09/21/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	5		1			65953	10/03/22 17:25	SJF	EET KNX
	Instrument ID: NOEQUIP									

Client Sample ID: UNIT_2-5-29_NG_RUN1_CONT 2
Lab Sample ID: 140-29043-2
Date Collected: 09/21/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	5		1			65953	10/03/22 17:25	SJF	EET KNX
	Instrument ID: NOEQUIP									

Client Sample ID: UNIT_2-5-29_NG_RUN1_CONT 1,2,3
Lab Sample ID: 140-29043-3
Date Collected: 09/21/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66288	10/12/22 15:36	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Analysis	29/6010C		2			66319	10/13/22 13:52	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Cleanup	AT Prep FH			5.00 mL	50.0 mL	66179	10/11/22 08:30	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66275	10/12/22 14:34	WRL	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_2-5-29_NG_RUN1_CONT 4
Lab Sample ID: 140-29043-4
Date Collected: 09/21/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (BH)			1 Sample	100 mL	65922	10/03/22 09:44	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66250	10/11/22 18:19	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Pre Prep	Air Train Vol.			1 Sample	100 mL	66024	10/05/22 13:00	LAH	EET KNX
Total/NA	Prep	AT Prep (BH)			2.5 mL	50 mL	66028	10/05/22 14:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66078	10/06/22 16:12	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_2-5-29_NG_RUN1_CONT 5A
Lab Sample ID: 140-29043-5

Date Collected: 09/21/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	105 mL	65868	10/03/22 07:30	LAH	EET KNX
Total/NA	Prep	AT Prep (Empty)			2.5 mL	50 mL	65933	10/04/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66043	10/05/22 14:24	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_2-5-29_NG_RUN1_CONT 5B
Lab Sample ID: 140-29043-6

Date Collected: 09/21/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	405 mL	65871	10/03/22 07:30	LAH	EET KNX
Total/NA	Prep	AT Prep (KMnO4)			25 mL	50 mL	65936	10/04/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66043	10/05/22 16:03	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_2-5-29_NG_RUN1_CONT 5C
Lab Sample ID: 140-29043-7

Date Collected: 09/21/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	285 mL	65873	10/03/22 08:00	LAH	EET KNX
Total/NA	Prep	AT Prep (HCl)			10 mL	50 mL	65991	10/05/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66078	10/06/22 13:14	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_2-5-29_NG_RUN2_CONT 1
Lab Sample ID: 140-29043-8

Date Collected: 09/21/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	5		1			65953	10/03/22 17:25	SJF	EET KNX
	Instrument ID: NOEQUIP									

Client Sample ID: UNIT_2-5-29_NG_RUN2_CONT 2
Lab Sample ID: 140-29043-9

Date Collected: 09/21/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	5		1			65953	10/03/22 17:25	SJF	EET KNX
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: TRC Environmental Corporation
Job ID: 140-29043-1
Project/Site: Georgia Power Mcintosh ICR-Unit 2 NG M5/M29

Client Sample ID: UNIT_2-5-29_NG_RUN2_CONT 1,2,3
Lab Sample ID: 140-29043-10
Date Collected: 09/21/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66288	10/12/22 15:41	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Analysis	29/6010C		2			66319	10/13/22 13:57	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Cleanup	AT Prep FH			5.00 mL	50.0 mL	66179	10/11/22 08:30	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66275	10/12/22 14:37	WRL	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_2-5-29_NG_RUN2_CONT 4
Lab Sample ID: 140-29043-11
Date Collected: 09/21/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (BH)			1 Sample	100 mL	65922	10/03/22 09:44	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66250	10/11/22 18:24	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Pre Prep	Air Train Vol.			1 Sample	100 mL	66024	10/05/22 13:00	LAH	EET KNX
Total/NA	Prep	AT Prep (BH)			2.5 mL	50 mL	66028	10/05/22 14:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66078	10/06/22 16:15	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_2-5-29_NG_RUN2_CONT 5A
Lab Sample ID: 140-29043-12
Date Collected: 09/21/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	100 mL	65868	10/03/22 07:30	LAH	EET KNX
Total/NA	Prep	AT Prep (Empty)			2.5 mL	50 mL	65933	10/04/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66043	10/05/22 14:26	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_2-5-29_NG_RUN2_CONT 5B
Lab Sample ID: 140-29043-13
Date Collected: 09/21/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	375 mL	65871	10/03/22 07:30	LAH	EET KNX
Total/NA	Prep	AT Prep (KMnO4)			25 mL	50 mL	65936	10/04/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66043	10/05/22 16:05	LAH	EET KNX
	Instrument ID: ADT									

Lab Chronicle

Client: TRC Environmental Corporation
Job ID: 140-29043-1
Project/Site: Georgia Power Mcintosh ICR-Unit 2 NG M5/M29

Client Sample ID: UNIT_2-5-29_NG_RUN2_CONT 5C
Lab Sample ID: 140-29043-14
Date Collected: 09/21/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	275 mL	65873	10/03/22 08:00	LAH	EET KNX
Total/NA	Prep	AT Prep (HCl)			10 mL	50 mL	65991	10/05/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66078	10/06/22 13:16	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_2-5-29_NG_RUN3_CONT 1
Lab Sample ID: 140-29043-15
Date Collected: 09/22/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	5		1			65953	10/03/22 17:25	SJF	EET KNX
	Instrument ID: NOEQUIP									

Client Sample ID: UNIT_2-5-29_NG_RUN3_CONT 2
Lab Sample ID: 140-29043-16
Date Collected: 09/22/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	5		1			65953	10/03/22 17:25	SJF	EET KNX
	Instrument ID: NOEQUIP									

Client Sample ID: UNIT_2-5-29_NG_RUN3_CONT 1,2,3
Lab Sample ID: 140-29043-17
Date Collected: 09/22/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66288	10/12/22 15:46	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Analysis	29/6010C		2			66319	10/13/22 14:02	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Cleanup	AT Prep FH			5.00 mL	50.0 mL	66179	10/11/22 08:30	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66275	10/12/22 14:39	WRL	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_2-5-29_NG_RUN3_CONT 4
Lab Sample ID: 140-29043-18
Date Collected: 09/22/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (BH)			1 Sample	100 mL	65922	10/03/22 09:44	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66250	10/11/22 18:29	KNC	EET KNX
	Instrument ID: DUO									

Client Sample ID: UNIT_2-5-29_NG_RUN3_CONT 4
Lab Sample ID: 140-29043-18

Date Collected: 09/22/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	100 mL	66024	10/05/22 13:00	LAH	EET KNX
Total/NA	Prep	AT Prep (BH)			2.5 mL	50 mL	66028	10/05/22 14:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66078	10/06/22 16:17	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_2-5-29_NG_RUN3_CONT 5A
Lab Sample ID: 140-29043-19

Date Collected: 09/22/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	100 mL	65868	10/03/22 07:30	LAH	EET KNX
Total/NA	Prep	AT Prep (Empty)			2.5 mL	50 mL	65933	10/04/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66043	10/05/22 14:29	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_2-5-29_NG_RUN3_CONT 5B
Lab Sample ID: 140-29043-20

Date Collected: 09/22/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	375 mL	65871	10/03/22 07:30	LAH	EET KNX
Total/NA	Prep	AT Prep (KMnO4)			25 mL	50 mL	65936	10/04/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66043	10/05/22 16:08	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_2-5-29_NG_RUN3_CONT 5C
Lab Sample ID: 140-29043-21

Date Collected: 09/22/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	270 mL	65873	10/03/22 08:00	LAH	EET KNX
Total/NA	Prep	AT Prep (HCl)			10 mL	50 mL	65991	10/05/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66078	10/06/22 13:19	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_2-5-29_NG_RUN4_CONT 1
Lab Sample ID: 140-29043-22

Date Collected: 09/22/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	5		1			65953	10/03/22 17:25	SJF	EET KNX
	Instrument ID: NOEQUIP									

Client Sample ID: UNIT_2-5-29_NG_RUN4_CONT 2
Lab Sample ID: 140-29043-23

Date Collected: 09/22/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	5		1			65953	10/03/22 17:25	SJF	EET KNX
	Instrument ID: NOEQUIP									

Client Sample ID: UNIT_2-5-29_NG_RUN4_CONT 1,2,3
Lab Sample ID: 140-29043-24

Date Collected: 09/22/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66288	10/12/22 16:01	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Analysis	29/6010C		2			66319	10/13/22 14:53	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Cleanup	AT Prep FH			5.00 mL	50.0 mL	66179	10/11/22 08:30	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66275	10/12/22 14:47	WRL	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_2-5-29_NG_RUN4_CONT 4
Lab Sample ID: 140-29043-25

Date Collected: 09/22/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (BH)			1 Sample	100 mL	65922	10/03/22 09:44	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66250	10/11/22 18:53	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Pre Prep	Air Train Vol.			1 Sample	100 mL	66024	10/05/22 13:00	LAH	EET KNX
Total/NA	Prep	AT Prep (BH)			2.5 mL	50 mL	66028	10/05/22 14:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66078	10/06/22 16:25	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_2-5-29_NG_RUN4_CONT 5A
Lab Sample ID: 140-29043-26

Date Collected: 09/22/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	105 mL	65868	10/03/22 07:30	LAH	EET KNX
Total/NA	Prep	AT Prep (Empty)			2.5 mL	50 mL	65933	10/04/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66043	10/05/22 14:36	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_2-5-29_NG_RUN4_CONT 5B
Lab Sample ID: 140-29043-27

Date Collected: 09/22/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	375 mL	65871	10/03/22 07:30	LAH	EET KNX
Total/NA	Prep	AT Prep (KMnO4)			25 mL	50 mL	65936	10/04/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66043	10/05/22 16:15	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_2-5-29_NG_RUN4_CONT 5C
Lab Sample ID: 140-29043-28

Date Collected: 09/22/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	300 mL	65873	10/03/22 08:00	LAH	EET KNX
Total/NA	Prep	AT Prep (HCl)			10 mL	50 mL	65991	10/05/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66078	10/06/22 13:26	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_2-5-29_NG_RUN5_CONT 1
Lab Sample ID: 140-29043-29

Date Collected: 09/22/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	5		1			65953	10/03/22 17:25	SJF	EET KNX
	Instrument ID: NOEQUIP									

Client Sample ID: UNIT_2-5-29_NG_RUN5_CONT 2
Lab Sample ID: 140-29043-30

Date Collected: 09/22/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	5		1			65953	10/03/22 17:25	SJF	EET KNX
	Instrument ID: NOEQUIP									

Client Sample ID: UNIT_2-5-29_NG_RUN5_CONT 1,2,3
Lab Sample ID: 140-29043-31

Date Collected: 09/22/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66288	10/12/22 16:21	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Analysis	29/6010C		2			66319	10/13/22 15:17	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Cleanup	AT Prep FH			5.00 mL	50.0 mL	66179	10/11/22 08:30	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66275	10/12/22 14:49	WRL	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_2-5-29_NG_RUN5_CONT 4
Lab Sample ID: 140-29043-32
Date Collected: 09/22/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (BH)			1 Sample	100 mL	65922	10/03/22 09:44	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66250	10/11/22 18:58	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Pre Prep	Air Train Vol.			1 Sample	100 mL	66024	10/05/22 13:00	LAH	EET KNX
Total/NA	Prep	AT Prep (BH)			2.5 mL	50 mL	66028	10/05/22 14:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66078	10/06/22 16:33	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_2-5-29_NG_RUN5_CONT 5A
Lab Sample ID: 140-29043-33
Date Collected: 09/22/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	100 mL	65868	10/03/22 07:30	LAH	EET KNX
Total/NA	Prep	AT Prep (Empty)			2.5 mL	50 mL	65933	10/04/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66043	10/05/22 14:39	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_2-5-29_NG_RUN5_CONT 5B
Lab Sample ID: 140-29043-34
Date Collected: 09/22/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	375 mL	65871	10/03/22 07:30	LAH	EET KNX
Total/NA	Prep	AT Prep (KMnO4)			25 mL	50 mL	65936	10/04/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66043	10/05/22 16:18	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_2-5-29_NG_RUN5_CONT 5C
Lab Sample ID: 140-29043-35
Date Collected: 09/22/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	290 mL	65873	10/03/22 08:00	LAH	EET KNX
Total/NA	Prep	AT Prep (HCl)			10 mL	50 mL	65991	10/05/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66078	10/06/22 13:29	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: FTB-5-29_NG_ CONT 1
Lab Sample ID: 140-29043-36
Date Collected: 09/21/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	5		1			65953	10/03/22 17:25	SJF	EET KNX
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: TRC Environmental Corporation
Job ID: 140-29043-1
Project/Site: Georgia Power Mcintosh ICR-Unit 2 NG M5/M29

Client Sample ID: FTB-5-29_NG_ CONT 2
Lab Sample ID: 140-29043-37
Date Collected: 09/21/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	5		1			65953	10/03/22 17:25	SJF	EET KNX
	Instrument ID: NOEQUIP									

Client Sample ID: FTB-5-29_NG_ CONT 1,2,3
Lab Sample ID: 140-29043-38
Date Collected: 09/21/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66288	10/12/22 16:26	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Analysis	29/6010C		2			66319	10/13/22 15:22	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Cleanup	AT Prep FH			5.00 mL	50.0 mL	66179	10/11/22 08:30	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66275	10/12/22 14:52	WRL	EET KNX
	Instrument ID: ADT									

Client Sample ID: FTB-5-29_NG_ CONT 4
Lab Sample ID: 140-29043-39
Date Collected: 09/21/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (BH)			1 Sample	100 mL	65922	10/03/22 09:44	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66250	10/11/22 19:03	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Prep	AT Prep (BH)			1 Sample	100 mL	65922	10/03/22 09:44	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66288	10/12/22 13:00	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Pre Prep	Air Train Vol.			1 Sample	100 mL	66024	10/05/22 13:00	LAH	EET KNX
Total/NA	Prep	AT Prep (BH)			2.5 mL	50 mL	66028	10/05/22 14:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66078	10/06/22 16:35	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: FTB-5-29_NG_ CONT 5A
Lab Sample ID: 140-29043-40
Date Collected: 09/21/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	100 mL	65868	10/03/22 07:30	LAH	EET KNX
Total/NA	Prep	AT Prep (Empty)			2.5 mL	50 mL	65933	10/04/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66043	10/05/22 14:41	LAH	EET KNX
	Instrument ID: ADT									

Lab Chronicle

Client: TRC Environmental Corporation
Job ID: 140-29043-1
Project/Site: Georgia Power Mcintosh ICR-Unit 2 NG M5/M29

Client Sample ID: FTB-5-29_NG_ CONT 5B
Lab Sample ID: 140-29043-41
Date Collected: 09/21/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	100 mL	65871	10/03/22 07:30	LAH	EET KNX
Total/NA	Prep	AT Prep (KMnO4)			25 mL	50 mL	65936	10/04/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66043	10/05/22 16:26	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: FTB-5-29_NG_ CONT 5C
Lab Sample ID: 140-29043-42
Date Collected: 09/21/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	275 mL	65873	10/03/22 08:00	LAH	EET KNX
Total/NA	Prep	AT Prep (HCl)			10 mL	50 mL	65991	10/05/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66078	10/06/22 13:31	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: Method Blank
Lab Sample ID: MB 140-65868/1-B
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	50 mL	65868	10/03/22 07:30	LAH	EET KNX
Total/NA	Prep	AT Prep (Empty)			2.5 mL	50 mL	65933	10/04/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66043	10/05/22 14:13	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: Method Blank
Lab Sample ID: MB 140-65871/1-B
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	50 mL	65871	10/03/22 07:30	LAH	EET KNX
Total/NA	Prep	AT Prep (KMnO4)			25 mL	50 mL	65936	10/04/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66043	10/05/22 15:58	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: Method Blank
Lab Sample ID: MB 140-65873/1-B
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	50 mL	65873	10/03/22 08:00	LAH	EET KNX
Total/NA	Prep	AT Prep (HCl)			10 mL	50 mL	65991	10/05/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66078	10/06/22 13:03	LAH	EET KNX
	Instrument ID: ADT									

Lab Chronicle

Client: TRC Environmental Corporation
Job ID: 140-29043-1
Project/Site: Georgia Power Mcintosh ICR-Unit 2 NG M5/M29

Client Sample ID: Method Blank
Lab Sample ID: MB 140-65922/3-A
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (BH)			1 Sample	100 mL	65922	10/03/22 09:44	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66250	10/11/22 14:20	KNC	EET KNX
	Instrument ID: DUO									

Client Sample ID: Method Blank
Lab Sample ID: MB 140-66006/1-A
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66288	10/12/22 12:31	KNC	EET KNX
	Instrument ID: DUO									

Client Sample ID: Method Blank
Lab Sample ID: MB 140-66006/1-B
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Cleanup	AT Prep FH			5.00 mL	50.0 mL	66179	10/11/22 08:30	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66275	10/12/22 14:17	WRL	EET KNX
	Instrument ID: ADT									

Client Sample ID: Method Blank
Lab Sample ID: MB 140-66024/1-B
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	100 mL	66024	10/05/22 13:00	LAH	EET KNX
Total/NA	Prep	AT Prep (BH)			2.5 mL	50 mL	66028	10/05/22 14:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66078	10/06/22 15:47	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 140-65868/2-B
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	50 mL	65868	10/03/22 07:30	LAH	EET KNX
Total/NA	Prep	AT Prep (Empty)			2.5 mL	50 mL	65933	10/04/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66043	10/05/22 14:16	LAH	EET KNX
	Instrument ID: ADT									

Lab Chronicle

Client: TRC Environmental Corporation
Job ID: 140-29043-1
Project/Site: Georgia Power Mcintosh ICR-Unit 2 NG M5/M29

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 140-65871/2-B
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	50 mL	65871	10/03/22 07:30	LAH	EET KNX
Total/NA	Prep	AT Prep (KMnO4)			25 mL	50 mL	65936	10/04/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66043	10/05/22 16:00	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 140-65873/2-B
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	50 mL	65873	10/03/22 08:00	LAH	EET KNX
Total/NA	Prep	AT Prep (HCl)			10 mL	50 mL	65991	10/05/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66078	10/06/22 13:06	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 140-65922/4-A
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (BH)			1 Sample	100 mL	65922	10/03/22 09:44	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66250	10/11/22 14:25	KNC	EET KNX
	Instrument ID: DUO									

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 140-66006/2-A
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66288	10/12/22 12:36	KNC	EET KNX
	Instrument ID: DUO									

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 140-66006/2-B
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Cleanup	AT Prep FH			5.00 mL	50.0 mL	66179	10/11/22 08:30	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66275	10/12/22 14:24	WRL	EET KNX
	Instrument ID: ADT									

Lab Chronicle

Client: TRC Environmental Corporation
Job ID: 140-29043-1
Project/Site: Georgia Power Mcintosh ICR-Unit 2 NG M5/M29

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 140-66024/2-B
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	100 mL	66024	10/05/22 13:00	LAH	EET KNX
Total/NA	Prep	AT Prep (BH)			2.5 mL	50 mL	66028	10/05/22 14:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66078	10/06/22 15:49	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 140-65922/5-A
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (BH)			1 Sample	100 mL	65922	10/03/22 09:44	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66250	10/11/22 14:30	KNC	EET KNX
	Instrument ID: DUO									

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 140-66006/3-A
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66288	10/12/22 12:41	KNC	EET KNX
	Instrument ID: DUO									

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 140-66006/3-B
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Cleanup	AT Prep FH			5.00 mL	50.0 mL	66179	10/11/22 08:30	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66275	10/12/22 14:32	WRL	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_2-5-29_NG_RUN3_CONT 4
Lab Sample ID: 140-29043-18 MS
Date Collected: 09/22/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	100 mL	66024	10/05/22 13:00	LAH	EET KNX
Total/NA	Prep	AT Prep (BH)			2.5 mL	50 mL	66028	10/05/22 14:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66078	10/06/22 16:20	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_2-5-29_NG_RUN3_CONT 4
Lab Sample ID: 140-29043-18 MSD

Date Collected: 09/22/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	100 mL	66024	10/05/22 13:00	LAH	EET KNX
Total/NA	Prep	AT Prep (BH)			2.5 mL	50 mL	66028	10/05/22 14:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66078	10/06/22 16:22	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_2-5-29_NG_RUN3_CONT 5A
Lab Sample ID: 140-29043-19 MS

Date Collected: 09/22/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	100 mL	65868	10/03/22 07:30	LAH	EET KNX
Total/NA	Prep	AT Prep (Empty)			2.5 mL	50 mL	65933	10/04/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66043	10/05/22 14:31	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_2-5-29_NG_RUN3_CONT 5A
Lab Sample ID: 140-29043-19 MSD

Date Collected: 09/22/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	100 mL	65868	10/03/22 07:30	LAH	EET KNX
Total/NA	Prep	AT Prep (Empty)			2.5 mL	50 mL	65933	10/04/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66043	10/05/22 14:34	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_2-5-29_NG_RUN3_CONT 5B
Lab Sample ID: 140-29043-20 MS

Date Collected: 09/22/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	375 mL	65871	10/03/22 07:30	LAH	EET KNX
Total/NA	Prep	AT Prep (KMnO4)			25 mL	50 mL	65936	10/04/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66043	10/05/22 16:10	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_2-5-29_NG_RUN3_CONT 5B
Lab Sample ID: 140-29043-20 MSD

Date Collected: 09/22/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	375 mL	65871	10/03/22 07:30	LAH	EET KNX
Total/NA	Prep	AT Prep (KMnO4)			25 mL	50 mL	65936	10/04/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66043	10/05/22 16:13	LAH	EET KNX
	Instrument ID: ADT									

Lab Chronicle

Client: TRC Environmental Corporation
Job ID: 140-29043-1
Project/Site: Georgia Power Mcintosh ICR-Unit 2 NG M5/M29

Client Sample ID: UNIT_2-5-29_NG_RUN3_CONT 5C
Lab Sample ID: 140-29043-21 MS

Date Collected: 09/22/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	270 mL	65873	10/03/22 08:00	LAH	EET KNX
Total/NA	Prep	AT Prep (HCl)			10 mL	50 mL	65991	10/05/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66078	10/06/22 13:21	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_2-5-29_NG_RUN3_CONT 5C
Lab Sample ID: 140-29043-21 MSD

Date Collected: 09/22/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	270 mL	65873	10/03/22 08:00	LAH	EET KNX
Total/NA	Prep	AT Prep (HCl)			10 mL	50 mL	65991	10/05/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66078	10/06/22 13:24	LAH	EET KNX
	Instrument ID: ADT									

Laboratory References:

EET KNX = Eurofins Knoxville, 5815 Middlebrook Pike, Knoxville, TN 37921, TEL (865)291-3000

Accreditation/Certification Summary

Client: TRC Environmental Corporation
Job ID: 140-29043-1
Project/Site: Georgia Power Mcintosh ICR-Unit 2 NG M5/M29

Laboratory: Eurofins Knoxville

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
	AFCEE	N/A	
ANAB	Dept. of Defense ELAP	L2311	02-13-25
ANAB	Dept. of Energy	L2311.01	02-13-25
ANAB	ISO/IEC 17025	L2311	02-13-25
Arkansas DEQ	State	88-0688	06-16-23
California	State	2423	06-30-22 *
Colorado	State	TN00009	02-28-23
Connecticut	State	PH-0223	09-30-23
Florida	NELAP	E87177	06-30-23
Georgia (DW)	State	906	12-11-22
Hawaii	State	NA	12-11-22
Kansas	NELAP	E-10349	10-31-22
Kentucky (DW)	State	90101	12-31-22
Louisiana	NELAP	83979	06-30-23
Louisiana (All)	NELAP	83979	06-30-23
Louisiana (DW)	State	LA019	12-31-22
Maryland	State	277	03-31-23
Michigan	State	9933	12-11-22
Nevada	State	TN00009	07-31-23
New Hampshire	NELAP	299919	01-17-23
New Jersey	NELAP	TN001	06-30-23
New York	NELAP	10781	03-31-23
North Carolina (DW)	State	21705	07-31-23
North Carolina (WW/SW)	State	64	12-31-22
Ohio VAP	State	CL0059	06-02-23
Oklahoma	State	9415	08-31-23
Oregon	NELAP	TNI0189	12-31-22
Pennsylvania	NELAP	68-00576	12-31-22
Tennessee	State	02014	07-27-25
Texas	NELAP	T104704380-22-17	08-31-23
US Fish & Wildlife	US Federal Programs	058448	07-31-23
USDA	US Federal Programs	P330-19-00236	12-31-22
Utah	NELAP	TN00009	07-31-23
Virginia	NELAP	460176	09-14-23
Washington	State	C593	01-19-23
West Virginia (DW)	State	9955C	12-31-22
West Virginia DEP	State	345	04-30-23
Wisconsin	State	998044300	08-31-23

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: TRC Environmental Corporation
Job ID: 140-29043-1
Project/Site: Georgia Power Mcintosh ICR-Unit 2 NG M5/M29

Method	Method Description	Protocol	Laboratory
29/6010C	Metals (ICP), Stationary Source	EPA	EET KNX
29/7470A	Mercury (CVAA), Stationary Source	EPA	EET KNX
5	Particulates	EPA	EET KNX
Air Train Vol.	Air Train Volume	None	EET KNX
AT Prep (BH)	Preparation, Mercury (Stationary Source)	EPA	EET KNX
AT Prep (BH)	Preparation, Total Metals (Stationary Source)	EPA	EET KNX
AT Prep (Empty)	Preparation, Mercury (Stationary Source)	EPA	EET KNX
AT Prep (FH)	Preparation, Total Metals (Stationary Source)	EPA	EET KNX
AT Prep (HCl)	Preparation, Mercury (Stationary Source)	EPA	EET KNX
AT Prep (KMnO4)	Preparation, Mercury (Stationary Source)	EPA	EET KNX
AT Prep FH	Preparation, Mercury (Stationary Source) FH	EPA	EET KNX

Protocol References:

EPA = US Environmental Protection Agency

None = None

Laboratory References:

EET KNX = Eurofins Knoxville, 5815 Middlebrook Pike, Knoxville, TN 37921, TEL (865)291-3000

Sample Summary

Client: TRC Environmental Corporation
Job ID: 140-29043-1
Project/Site: Georgia Power Mcintosh ICR-Unit 2 NG M5/M29

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
140-29043-1	UNIT_2-5-29_NG_RUN1_CONT 1	Air	09/21/22 00:00	09/28/22 19:45
140-29043-2	UNIT_2-5-29_NG_RUN1_CONT 2	Air	09/21/22 00:00	09/28/22 19:45
140-29043-3	UNIT_2-5-29_NG_RUN1_CONT 1,2,3	Air	09/21/22 00:00	09/28/22 19:45
140-29043-4	UNIT_2-5-29_NG_RUN1_CONT 4	Air	09/21/22 00:00	09/28/22 19:45
140-29043-5	UNIT_2-5-29_NG_RUN1_CONT 5A	Air	09/21/22 00:00	09/28/22 19:45
140-29043-6	UNIT_2-5-29_NG_RUN1_CONT 5B	Air	09/21/22 00:00	09/28/22 19:45
140-29043-7	UNIT_2-5-29_NG_RUN1_CONT 5C	Air	09/21/22 00:00	09/28/22 19:45
140-29043-8	UNIT_2-5-29_NG_RUN2_CONT 1	Air	09/21/22 00:00	09/28/22 19:45
140-29043-9	UNIT_2-5-29_NG_RUN2_CONT 2	Air	09/21/22 00:00	09/28/22 19:45
140-29043-10	UNIT_2-5-29_NG_RUN2_CONT 1,2,3	Air	09/21/22 00:00	09/28/22 19:45
140-29043-11	UNIT_2-5-29_NG_RUN2_CONT 4	Air	09/21/22 00:00	09/28/22 19:45
140-29043-12	UNIT_2-5-29_NG_RUN2_CONT 5A	Air	09/21/22 00:00	09/28/22 19:45
140-29043-13	UNIT_2-5-29_NG_RUN2_CONT 5B	Air	09/21/22 00:00	09/28/22 19:45
140-29043-14	UNIT_2-5-29_NG_RUN2_CONT 5C	Air	09/21/22 00:00	09/28/22 19:45
140-29043-15	UNIT_2-5-29_NG_RUN3_CONT 1	Air	09/22/22 00:00	09/28/22 19:45
140-29043-16	UNIT_2-5-29_NG_RUN3_CONT 2	Air	09/22/22 00:00	09/28/22 19:45
140-29043-17	UNIT_2-5-29_NG_RUN3_CONT 1,2,3	Air	09/22/22 00:00	09/28/22 19:45
140-29043-18	UNIT_2-5-29_NG_RUN3_CONT 4	Air	09/22/22 00:00	09/28/22 19:45
140-29043-19	UNIT_2-5-29_NG_RUN3_CONT 5A	Air	09/22/22 00:00	09/28/22 19:45
140-29043-20	UNIT_2-5-29_NG_RUN3_CONT 5B	Air	09/22/22 00:00	09/28/22 19:45
140-29043-21	UNIT_2-5-29_NG_RUN3_CONT 5C	Air	09/22/22 00:00	09/28/22 19:45
140-29043-22	UNIT_2-5-29_NG_RUN4_CONT 1	Air	09/22/22 00:00	09/28/22 19:45
140-29043-23	UNIT_2-5-29_NG_RUN4_CONT 2	Air	09/22/22 00:00	09/28/22 19:45
140-29043-24	UNIT_2-5-29_NG_RUN4_CONT 1,2,3	Air	09/22/22 00:00	09/28/22 19:45
140-29043-25	UNIT_2-5-29_NG_RUN4_CONT 4	Air	09/22/22 00:00	09/28/22 19:45
140-29043-26	UNIT_2-5-29_NG_RUN4_CONT 5A	Air	09/22/22 00:00	09/28/22 19:45
140-29043-27	UNIT_2-5-29_NG_RUN4_CONT 5B	Air	09/22/22 00:00	09/28/22 19:45
140-29043-28	UNIT_2-5-29_NG_RUN4_CONT 5C	Air	09/22/22 00:00	09/28/22 19:45
140-29043-29	UNIT_2-5-29_NG_RUN5_CONT 1	Air	09/22/22 00:00	09/28/22 19:45
140-29043-30	UNIT_2-5-29_NG_RUN5_CONT 2	Air	09/22/22 00:00	09/28/22 19:45
140-29043-31	UNIT_2-5-29_NG_RUN5_CONT 1,2,3	Air	09/22/22 00:00	09/28/22 19:45
140-29043-32	UNIT_2-5-29_NG_RUN5_CONT 4	Air	09/22/22 00:00	09/28/22 19:45
140-29043-33	UNIT_2-5-29_NG_RUN5_CONT 5A	Air	09/22/22 00:00	09/28/22 19:45
140-29043-34	UNIT_2-5-29_NG_RUN5_CONT 5B	Air	09/22/22 00:00	09/28/22 19:45
140-29043-35	UNIT_2-5-29_NG_RUN5_CONT 5C	Air	09/22/22 00:00	09/28/22 19:45
140-29043-36	FTB-5-29_NG_ CONT 1	Air	09/21/22 00:00	09/28/22 19:45
140-29043-37	FTB-5-29_NG_ CONT 2	Air	09/21/22 00:00	09/28/22 19:45
140-29043-38	FTB-5-29_NG_ CONT 1,2,3	Air	09/21/22 00:00	09/28/22 19:45
140-29043-39	FTB-5-29_NG_ CONT 4	Air	09/21/22 00:00	09/28/22 19:45
140-29043-40	FTB-5-29_NG_ CONT 5A	Air	09/21/22 00:00	09/28/22 19:45
140-29043-41	FTB-5-29_NG_ CONT 5B	Air	09/21/22 00:00	09/28/22 19:45
140-29043-42	FTB-5-29_NG_ CONT 5C	Air	09/21/22 00:00	09/28/22 19:45

CHAIN OF CUSTODY RECORD

Project Name:	Georgia Power McIntosh ICR	**Project Manager:**	Jason Grizzle
Project No.:	491281	**TRC Office:**	AU4
Sampling Date(s):	9/16/22 to 09/17/22	**Phone No.:**	(720) 838-3857
Laboratory:	Testamerica	**PM Email:**	jgrizzle@trccompanies.com
Laboratory P.O.:	C491281		
Shipping Date(s):	09/28/22		
Shipper's Name:	TRC		

140-28988 Chain of Custody

Sample Code	Date Sampled	Container Size	Container G/P	MATRIX	Description	ANALYSIS	Box No.	Comments
Unit_1-5-29_NG_Run6_Cont2	09/16/22	250 ml	G	L	Method 5 FHR - Unit 1 Run 6 NG	Method 5		
Unit_1-5-29_NG_Run6_Cont3	09/16/22	250 ml	G	AQ	Method 29 FHR - Unit 1 Run 6 NG	Method 29		
Unit_1-5-29_NG_Run6_Cont4	09/16/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 1 Run 6 NG	Method 29		
Unit_1-5-29_NG_Run6_Cont5A	09/16/22	250 ml	G	L	Method 29 IMP 4 - Unit 1 Run 6 NG	Method 29		
Unit_1-5-29_NG_Run6_Cont5B	09/16/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 1 Run 6 NG	Method 29		
Unit_1-5-29_NG_Run6_Cont5C	09/16/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 1 Run 6 NG	Method 29		
Unit_1-5-29_NG_Run7_Cont1	09/16/22	Petri	G	S	Method 5 Sample Filter - Unit 1 Run 7 NG	Method 5		
Unit_1-5-29_NG_Run7_Cont2	09/16/22	250 ml	G	L	Method 5 FHR - Unit 1 Run 7 NG	Method 5		
Unit_1-5-29_NG_Run7_Cont3	09/16/22	250 ml	G	AQ	Method 29 FHR - Unit 1 Run 7 NG	Method 29		
Unit_1-5-29_NG_Run7_Cont4	09/16/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 1 Run 7 NG	Method 29		
Unit_1-5-29_NG_Run7_Cont5A	09/16/22	250 ml	G	L	Method 29 IMP 4 - Unit 1 Run 7 NG	Method 29		
Unit_1-5-29_NG_Run7_Cont5B	09/16/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 1 Run 7 NG	Method 29		
Unit_1-5-29_NG_Run7_Cont5C	09/16/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 1 Run 7 NG	Method 29		
Unit_1-5-29_FO_Run1_Cont1	09/17/22	Petri	G	S	Method 5 Sample Filter - Unit 1 Run 1 FO	Method 5		
Unit_1-5-29_FO_Run1_Cont2	09/17/22	250 ml	G	L	Method 5 FHR - Unit 1 Run 1 FO	Method 5		
Unit_1-5-29_FO_Run1_Cont3	09/17/22	250 ml	G	AQ	Method 29 FHR - Unit 1 Run 1 FO	Method 29		
Unit_1-5-29_FO_Run1_Cont4	09/17/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 1 Run 1 FO	Method 29		
Unit_1-5-29_FO_Run1_Cont5A	09/17/22	250 ml	G	L	Method 29 IMP 4 - Unit 1 Run 1 FO	Method 29		

Relinquished by:	**Date/Time:** 9-28-22 19:45	**Relinquished by:**	**Date/Time:**
Received by: ESA KNT	**Date/Time:** 9-28-22 19:45	**Received by:**	**Date/Time:**

Remarks (*):

TRC

AM-EMT-79_Rev 5.3 5/1/19

CHAIN OF CUSTODY RECORD

Project Name:	Georgia Power McIntosh ICR	**Project Manager:**	Jason Grizzle
Project No.:	491281	**TRC Office:**	AU4
Sampling Date(s):	9/17/22 to 09/17/22	**Phone No.:**	(720) 838-3857
Laboratory:	Testamerica	**PM Email:**	jgrizzle@trccompanies.com
Laboratory P.O.:	C491281		
Shipping Date(s):	09/28/22		
Shipper's Name:	TRC		

Sample Code	Date Sampled	Container Size	Container G/P	MATRIX	Description	ANALYSIS	Box No.	Comments
Unit_1-5-29_FO_Run1_Cont5B	09/17/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 1 Run 1 FO	Method 29		
Unit_1-5-29_FO_Run1_Cont5C	09/17/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 1 Run 1 FO	Method 29		
Unit_1-5-29_FO_Run2_Cont1	09/17/22	Petri	G	S	Method 5 Sample Filter - Unit 1 Run 2 FO	Method 5		
Unit_1-5-29_FO_Run2_Cont2	09/17/22	250 ml	G	L	Method 5 FHR - Unit 1 Run 2 FO	Method 5		
Unit_1-5-29_FO_Run2_Cont3	09/17/22	250 ml	G	AQ	Method 29 FHR - Unit 1 Run 2 FO	Method 29		
Unit_1-5-29_FO_Run2_Cont4	09/17/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 1 Run 2 FO	Method 29		

Relinquished by:	Date/Time: 9-28-22 19:45	**Relinquished by:**	**Date/Time:**
Received by: FIA KWX	Date/Time: 9-28-22 19:45	**Received by:**	**Date/Time:**
Remarks (*):			

TRC

AM-EMT-79_Rev 5.3 5/1/19

CHAIN OF CUSTODY RECORD

Project Name:	Georgia Power McIntosh ICR	**Project Manager:**	Jason Grizzle
Project No.:	491281	**TRC Office:**	AU4
Sampling Date(s):	9/17/22 to 09/19/22	**Phone No.:**	(720) 838-3857
Laboratory:	Testamerica	**PM Email:**	jgrizzle@trccompanies.com
Laboratory P.O.:	C491281		
Shipping Date(s):	09/28/22		
Shipper's Name:	TRC		

Sample Code	Date Sampled	Container Size	Container G/P	MATRIX	Description	ANALYSIS	Box No.	Comments
Unit_1-5-29_FO_Run2_Cont5A	09/17/22	250 ml	G	L	Method 29 IMP 4 - Unit 1 Run 2 FO	Method 5		
Unit_1-5-29_FO_Run2_Cont5B	09/17/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 1 Run 2 FO	Method 5		
Unit_1-5-29_FO_Run2_Cont5C	09/17/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 1 Run 2 FO	Method 29		
Blank_Acetone_Cont7	09/17/22	250 ml	G	L	Actone blank	Method 5		
Blank_HNO3_Cont8A	09/17/22	500 ml	G	L	0.1N HNO3 blank	Method 29		
Blank_DIH2O_Cont8B	09/17/22	250 ml	G	L	DI H2O blank	Method 29		
Blank_HNO3-H2O2-Cont10	09/17/22	250 ml	G	L	5% HNO3 / 10% H2O2 blank	Method 29		
Blank_KMnO4-H2SO4-Cont10	09/17/22	250 ml	G	L	4% KMnO4 / 10% H2SO4 blank	Method 29		
Blank_8N-HCl_Cont11	09/17/22	500 ml	G	L	8N HCl blank	Method 29		
Blank_SampleFilters_Cont12	09/17/22	Petri	G	S	Sample filter blanks	Method 29		
Unit_1-5-29_FO_Run3_Cont1	09/19/22	Petri	G	S	Method 5 Sample Filter - Unit 1 Run 3 FO	Method 5		
Unit_1-5-29_FO_Run3_Cont2	09/19/22	250 ml	G	L	Method 5 FHR - Unit 1 Run 3 FO	Method 5		
Unit_1-5-29_FO_Run3_Cont3	09/19/22	250 ml	G	AQ	Method 29 FHR - Unit 1 Run 3 FO	Method 29		
Unit_1-5-29_FO_Run3_Cont4	09/19/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 1 Run 3 FO	Method 29		
Unit_1-5-29_FO_Run3_Cont5A	09/19/22	250 ml	G	L	Method 29 IMP 4 - Unit 1 Run 3 FO	Method 29		
Unit_1-5-29_FO_Run3_Cont5B	09/19/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 1 Run 3 FO	Method 29		
Unit_1-5-29_FO_Run3_Cont5C	09/19/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 1 Run 3 FO	Method 29		
Unit_1-5-29_FO_Run4_Cont1	09/19/22	Petri	G	S	Method 5 Sample Filter - Unit 1 Run 4 FO	Method 5		

Relinquished by:	**Date/Time:** 9-28-22 19:45	**Relinquished by:**	**Date/Time:**
Received by:	**Date/Time:** 9-28-22 19:45	**Received by:**	**Date/Time:**

Remarks (*):

TRC

AM-EMT-79_Rev 5.3 5/1/19

CHAIN OF CUSTODY RECORD

Project Name:	Georgia Power McIntosh ICR	**Project Manager:**	Jason Grizzle
Project No.:	491281	**TRC Office:**	AU4
Sampling Date(s):	9/19/22 to 09/20/22	**Phone No.:**	(720) 838-3857
Laboratory:	Testamerica	**PM Email:**	jgrizzle@trccompanies.com
Laboratory P.O.:	C491281		
Shipping Date(s):	09/28/22		
Shipper's Name:	TRC		

Sample Code	Date Sampled	Container Size	Container G/P	MATRIX	Description	ANALYSIS	Box No.	Comments
Unit_1-5-29_FO_Run4_Cont2	09/19/22	250 ml	G	L	Method 5 FHR - Unit 1 Run 4 FO	Method 5		
Unit_1-5-29_FO_Run4_Cont3	09/19/22	250 ml	G	AQ	Method 29 FHR - Unit 1 Run 4 FO	Method 29		
Unit_1-5-29_FO_Run4_Cont4	09/19/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 1 Run 4 FO	Method 29		
Unit_1-5-29_FO_Run4_Cont5A	09/19/22	250 ml	G	L	Method 29 IMP 4 - Unit 1 Run 4 FO	Method 29		
Unit_1-5-29_FO_Run4_Cont5B	09/19/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 1 Run 4 FO	Method 29		
Unit_1-5-29_FO_Run4_Cont5C	09/19/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 1 Run 4 FO	Method 29		
Unit_1-5-29_FO_Run5_Cont1	09/19/22	Petri	G	S	Method 5 Sample Filter - Unit 1 Run 5 FO	Method 5		
Unit_1-5-29_FO_Run5_Cont2	09/19/22	250 ml	G	L	Method 5 FHR - Unit 1 Run 5 FO	Method 5		
Unit_1-5-29_FO_Run5_Cont3	09/19/22	250 ml	G	AQ	Method 29 FHR - Unit 1 Run 5 FO	Method 29		
Unit_1-5-29_FO_Run5_Cont4	09/19/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 1 Run 5 FO	Method 29		
Unit_1-5-29_FO_Run5_Cont5A	09/19/22	250 ml	G	L	Method 29 IMP 4 - Unit 1 Run 5 FO	Method 29		
Unit_1-5-29_FO_Run5_Cont5B	09/19/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 1 Run 5 FO	Method 29		
Unit_1-5-29_FO_Run5_Cont5C	09/19/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 1 Run 5 FO	Method 29		
Unit_1-5-29_FO_Run6_Cont1	09/20/22	Petri	G	S	Method 5 Sample Filter - Unit 1 Run 6 FO	Method 5		
Unit_1-5-29_FO_Run6_Cont2	09/20/22	250 ml	G	L	Method 5 FHR - Unit 1 Run 6 FO	Method 5		
Unit_1-5-29_FO_Run6_Cont3	09/20/22	250 ml	G	AQ	Method 29 FHR - Unit 1 Run 6 FO	Method 29		
Unit_1-5-29_FO_Run6_Cont4	09/20/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 1 Run 6 FO	Method 29		
Unit_1-5-29_FO_Run6_Cont5A	09/20/22	250 ml	G	L	Method 29 IMP 4 - Unit 1 Run 6 FO	Method 29		

Relinquished by:	**Date/Time:** 9-28-22 19:45	**Relinquished by:**	**Date/Time:**
Received by:	**Date/Time:** 9-28-22 19:45	**Received by:**	**Date/Time:**

Remarks (*):

TRC

AM-EMT-79_Rev 5.3 5/1/19

CHAIN OF CUSTODY RECORD

Project Name:	Georgia Power McIntosh ICR	**Project Manager:**	Jason Grizzle
Project No.:	491281	**TRC Office:**	AU4
Sampling Date(s):	9/20/22 to 09/21/22	**Phone No.:**	(720) 838-3857
Laboratory:	Testamerica	**PM Email:**	jgrizzle@trccompanies.com
Laboratory P.O.:	C491281		
Shipping Date(s):	09/28/22		
Shipper's Name:	TRC		

Sample Code	Date Sampled	Container Size	Container G/P	MATRIX	Description	ANALYSIS	Box No.	Comments
Unit_1-5-29_FO_Run6_Cont5B	09/20/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 1 Run 6 FO	Method 29		
Unit_1-5-29_FO_Run6_Cont5C	09/20/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 1 Run 6 FO	Method 29		
Unit_1-5-29_FO_Run7_Cont1	09/20/22	Petri	G	S	Method 5 Sample Filter - Unit 1 Run 7 FO	Method 5		
Unit_1-5-29_FO_Run7_Cont2	09/20/22	250 ml	G	L	Method 5 FHR - Unit 1 Run 7 FO	Method 5		
Unit_1-5-29_FO_Run7_Cont3	09/20/22	250 ml	G	AQ	Method 29 FHR - Unit 1 Run 7 FO	Method 29		
Unit_1-5-29_FO_Run7_Cont4	09/20/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 1 Run 7 FO	Method 29		
Unit_1-5-29_FO_Run7_Cont5A	09/20/22	250 ml	G	L	Method 29 IMP 4 - Unit 1 Run 7 FO	Method 29		
Unit_1-5-29_FO_Run7_Cont5B	09/20/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 1 Run 7 FO	Method 29		
Unit_1-5-29_FO_Run7_Cont5C	09/20/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 1 Run 7 FO	Method 29		
Unit_2-5-29_NG_Run1_Cont1	09/21/22	Petri	G	S	Method 5 Sample Filter - Unit 2 Run 1 NG	Method 5		
Unit_2-5-29_NG_Run1_Cont2	09/21/22	250 ml	G	L	Method 5 FHR - Unit 2 Run 1 NG	Method 5		
Unit_2-5-29_NG_Run1_Cont3	09/21/22	250 ml	G	AQ	Method 29 FHR - Unit 2 Run 1 NG	Method 29		
Unit_2-5-29_NG_Run1_Cont4	09/21/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 2 Run 1 NG	Method 29		
Unit_2-5-29_NG_Run1_Cont5A	09/21/22	250 ml	G	L	Method 29 IMP 4 - Unit 2 Run 1 NG	Method 29		
Unit_2-5-29_NG_Run1_Cont5B	09/21/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 2 Run 1 NG	Method 29		
Unit_2-5-29_NG_Run1_Cont5C	09/21/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 2 Run 1 NG	Method 29		
Unit_2-5-29_NG_Run2_Cont1	09/21/22	Petri	G	S	Method 5 Sample Filter - Unit 2 Run 2 NG	Method 5		
Unit_2-5-29_NG_Run2_Cont2	09/21/22	250 ml	G	L	Method 5 FHR - Unit 2 Run 2 NG	Method 5		

Relinquished by:	**Date/Time:** 9-28-22 19:45	**Relinquished by:**	**Date/Time:**
Received by:	**Date/Time:** 9-28-22 19:45	**Received by:**	**Date/Time:**

Remarks (*):

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AM-EMT-79_Rev 5.3 5/1/19

CHAIN OF CUSTODY RECORD

Project Name:	Georgia Power McIntosh ICR	**Project Manager:**	Jason Grizzle
Project No.:	491281	**TRC Office:**	AU4
Sampling Date(s):	9/14/22 to 09/15/22	**Phone No.:**	(720) 838-3857
Laboratory:	Testamerica	**PM Email:**	jgrizzle@trccompanies.com
Laboratory P.O.:	C491281		
Shipping Date(s):	09/28/22		
Shipper's Name:	TRC		

140-28983 Chain of Custody

Sample Code	Date Sampled	Container Size	Container G/P	MATRIX	Description	ANALYSIS	Box No.	Comments
Unit_1-5-29_NG_Run1_Cont1	09/14/22	Petri	G	S	Method 5 Sample Filter - Unit 1 Run 1 NG	Method 5		
Unit_1-5-29_NG_Run1_Cont2	09/14/22	250 ml	G	L	Method 5 FHR - Unit 1 Run 1 NG	Method 5		
Unit_1-5-29_NG_Run1_Cont3	09/14/22	250 ml	G	AQ	Method 29 FHR - Unit 1 Run 1 NG	Method 29		
Unit_1-5-29_NG_Run1_Cont4	09/14/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 1 Run 1 NG	Method 29		
Unit_1-5-29_NG_Run1_Cont5A	09/14/22	250 ml	G	L	Method 29 IMP 4 - Unit 1 Run 1 NG	Method 29		
Unit_1-5-29_NG_Run1_Cont5B	09/14/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 1 Run 1 NG	Method 29		
Unit_1-5-29_NG_Run1_Cont5C	09/14/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 1 Run 1 NG	Method 29		
Unit_1-5-29_NG_Run2_Cont1	09/14/22	Petri	G	S	Method 5 Sample Filter - Unit 1 Run 2 NG	Method 5		
Unit_1-5-29_NG_Run2_Cont2	09/14/22	250 ml	G	L	Method 5 FHR - Unit 1 Run 2 NG	Method 5		
Unit_1-5-29_NG_Run2_Cont3	09/14/22	250 ml	G	AQ	Method 29 FHR - Unit 1 Run 2 NG	Method 29		
Unit_1-5-29_NG_Run2_Cont4	09/14/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 1 Run 2 NG	Method 29		
Unit_1-5-29_NG_Run2_Cont5A	09/14/22	250 ml	G	L	Method 29 IMP 4 - Unit 1 Run 2 NG	Method 29		
Unit_1-5-29_NG_Run2_Cont5B	09/14/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 1 Run 2 NG	Method 29		
Unit_1-5-29_NG_Run2_Cont5C	09/14/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 1 Run 2 NG	Method 29		
Unit_1-5-29_NG_Run3_Cont1	09/15/22	Petri	G	S	Method 5 Sample Filter - Unit 1 Run 3 NG	Method 5		
Unit_1-5-29_NG_Run3_Cont2	09/15/22	250 ml	G	L	Method 5 FHR - Unit 1 Run 3 NG	Method 5		
Unit_1-5-29_NG_Run3_Cont3	09/15/22	250 ml	G	AQ	Method 29 FHR - Unit 1 Run 3 NG	Method 29		
Unit_1-5-29_NG_Run3_Cont4	09/15/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 1 Run 3 NG	Method 29		

Relinquished by:	**Date/Time:** 9-28-22 19:45	**Relinquished by:**	**Date/Time:**
Received by:	**Date/Time:** 9-28-22 19:45	**Received by:**	**Date/Time:**

Remarks (*):

TRC

AM-EMT-79_Rev 5.3 5/1/19

CHAIN OF CUSTODY RECORD

Project Name:	Georgia Power McIntosh ICR	**Project Manager:**	Jason Grizzle
Project No.:	491281	**TRC Office:**	AU4
Sampling Date(s):	9/15/22 to 09/16/22	**Phone No.:**	(720) 838-3857
Laboratory:	Testamerica	**PM Email:**	jgrizzle@trccompanies.com
Laboratory P.O.:	C491281		
Shipping Date(s):	09/28/22		
Shipper's Name:	TRC		

Sample Code	Date Sampled	Container Size	Container G/P	MATRIX	Description	ANALYSIS	Box No.	Comments
Unit_1-5-29_NG_Run3_Cont5A	09/15/22	250 ml	G	L	Method 29 IMP 4 - Unit 1 Run 3 NG	Method 29		
Unit_1-5-29_NG_Run3_Cont5B	09/15/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 1 Run 3 NG	Method 29		
Unit_1-5-29_NG_Run3_Cont5C	09/15/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 1 Run 3 NG	Method 29		
Unit_1-5-29_NG_Run4_Cont1	09/15/22	Petri	G	S	Method 5 Sample Filter - Unit 1 Run 4 NG	Method 5		
Unit_1-5-29_NG_Run4_Cont2	09/15/22	250 ml	G	L	Method 5 FHR - Unit 1 Run 4 NG	Method 5		
Unit_1-5-29_NG_Run4_Cont3	09/15/22	250 ml	G	AQ	Method 29 FHR - Unit 1 Run 4 NG	Method 29		
Unit_1-5-29_NG_Run4_Cont4	09/15/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 1 Run 4 NG	Method 29		
Unit_1-5-29_NG_Run4_Cont5A	09/15/22	250 ml	G	L	Method 29 IMP 4 - Unit 1 Run 4 NG	Method 29		
Unit_1-5-29_NG_Run4_Cont5B	09/15/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 1 Run 4 NG	Method 29		
Unit_1-5-29_NG_Run4_Cont5C	09/15/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 1 Run 4 NG	Method 29		
Unit_1-5-29_NG_Run5_Cont1	09/15/22	Petri	G	S	Method 5 Sample Filter - Unit 1 Run 5 NG	Method 5		
Unit_1-5-29_NG_Run5_Cont2	09/15/22	250 ml	G	L	Method 5 FHR - Unit 1 Run 5 NG	Method 5		
Unit_1-5-29_NG_Run5_Cont3	09/15/22	250 ml	G	AQ	Method 29 FHR - Unit 1 Run 5 NG	Method 29		
Unit_1-5-29_NG_Run5_Cont4	09/15/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 1 Run 5 NG	Method 29		
Unit_1-5-29_NG_Run5_Cont5A	09/15/22	250 ml	G	L	Method 29 IMP 4 - Unit 1 Run 5 NG	Method 29		
Unit_1-5-29_NG_Run5_Cont5B	09/15/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 1 Run 5 NG	Method 29		
Unit_1-5-29_NG_Run5_Cont5C	09/15/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 1 Run 5 NG	Method 29		
Unit_1-5-29_NG_Run6_Cont1	09/16/22	Petri	G	S	Method 5 Sample Filter - Unit 1 Run 6 NG	Method 5		

Relinquished by: [signature]	**Date/Time:** 9-28-22 19:45	**Relinquished by:**	**Date/Time:**
Received by: [signature] ETA XWX	**Date/Time:** 9-28-22 19:45	**Received by:**	**Date/Time:**

Remarks (*):

TRC

AM-EMT-79_Rev 5.3 5/1/19

CHAIN OF CUSTODY RECORD

Project Name:	Georgia Power McIntosh ICR	**Project Manager:**	Jason Grizzle
Project No.:	491281	**TRC Office:**	AU4
Sampling Date(s):	9/16/22 to 09/17/22	**Phone No.:**	(720) 838-3857
Laboratory:	Testamerica	**PM Email:**	jgrizzle@trccompanies.com
Laboratory P.O.:	C491281		
Shipping Date(s):	09/28/22		
Shipper's Name:	TRC		

Sample Code	Date Sampled	Container Size	Container G/P	MATRIX	Description	ANALYSIS	Box No.	Comments
Unit_1-5-29_NG_Run6_Cont2	09/16/22	250 ml	G	L	Method 5 FHR - Unit 1 Run 6 NG	Method 5		
Unit_1-5-29_NG_Run6_Cont3	09/16/22	250 ml	G	AQ	Method 29 FHR - Unit 1 Run 6 NG	Method 29		
Unit_1-5-29_NG_Run6_Cont4	09/16/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 1 Run 6 NG	Method 29		
Unit_1-5-29_NG_Run6_Cont5A	09/16/22	250 ml	G	L	Method 29 IMP 4 - Unit 1 Run 6 NG	Method 29		
Unit_1-5-29_NG_Run6_Cont5B	09/16/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 1 Run 6 NG	Method 29		
Unit_1-5-29_NG_Run6_Cont5C	09/16/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 1 Run 6 NG	Method 29		
Unit_1-5-29_NG_Run7_Cont1	09/16/22	Petri	G	S	Method 5 Sample Filter - Unit 1 Run 7 NG	Method 5		
Unit_1-5-29_NG_Run7_Cont2	09/16/22	250 ml	G	L	Method 5 FHR - Unit 1 Run 7 NG	Method 5		
Unit_1-5-29_NG_Run7_Cont3	09/16/22	250 ml	G	AQ	Method 29 FHR - Unit 1 Run 7 NG	Method 29		
Unit_1-5-29_NG_Run7_Cont4	09/16/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 1 Run 7 NG	Method 29		
Unit_1-5-29_NG_Run7_Cont5A	09/16/22	250 ml	G	L	Method 29 IMP 4 - Unit 1 Run 7 NG	Method 29		
Unit_1-5-29_NG_Run7_Cont5B	09/16/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 1 Run 7 NG	Method 29		
Unit_1-5-29_NG_Run7_Cont5C	09/16/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 1 Run 7 NG	Method 29		
Unit_1-5-29_FO_Run1_Cont1	09/17/22	Petri	G	S	Method 5 Sample Filter - Unit 1 Run 1 FO	Method 5		
Unit_1-5-29_FO_Run1_Cont2	09/17/22	250 ml	G	L	Method 5 FHR - Unit 1 Run 1 FO	Method 5		
Unit_1-5-29_FO_Run1_Cont3	09/17/22	250 ml	G	AQ	Method 29 FHR - Unit 1 Run 1 FO	Method 29		
Unit_1-5-29_FO_Run1_Cont4	09/17/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 1 Run 1 FO	Method 29		
Unit_1-5-29_FO_Run1_Cont5A	09/17/22	250 ml	G	L	Method 29 IMP 4 - Unit 1 Run 1 FO	Method 29		
Relinquished by:		**Date/Time:**			**Relinquished by:**		**Date/Time:**	
Received by:		**Date/Time:**			**Received by:**		**Date/Time:**	
Remarks (*):								

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CHAIN OF CUSTODY RECORD

Project Name:	Georgia Power McIntosh ICR	Project Manager:	Jason Grizzle
Project No.:	491281	TRC Office:	AU4
Sampling Date(s):	9/20/22 to 09/21/22	Phone No.:	(720) 838-3857
Laboratory:	Testamerica	PM Email:	jgrizzle@trccompanies.com
Laboratory P.O.:	C491281		
Shipping Date(s):	09/28/22		
Shipper's Name:	TRC		

Sample Code	Date Sampled	Container Size	Container G/P	MATRIX	Description	ANALYSIS	Box No.	Comments
Init_1-5-29_FO_Run6_Cont5B	09/20/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 1 Run 6 FO	Method 29		
Init_1-5-29_FO_Run6_Cont5C	09/20/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 1 Run 6 FO	Method 29		
Init_1-5-29_FO_Run7_Cont1	09/20/22	Petri	G	S	Method 5 Sample Filter - Unit 1 Run 7 FO	Method 5		
Init_1-5-29_FO_Run7_Cont2	09/20/22	250 ml	G	L	Method 5 FHR - Unit 1 Run 7 FO	Method 5		
Init_1-5-29_FO_Run7_Cont3	09/20/22	250 ml	G	AQ	Method 29 FHR - Unit 1 Run 7 FO	Method 29		
Init_1-5-29_FO_Run7_Cont4	09/20/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 1 Run 7 FO	Method 29		
Init_1-5-29_FO_Run7_Cont5A	09/20/22	250 ml	G	L	Method 29 IMP 4 - Unit 1 Run 7 FO	Method 29		
Init_1-5-29_FO_Run7_Cont5B	09/20/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 1 Run 7 FO	Method 29		
Init_1-5-29_FO_Run7_Cont5C	09/20/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 1 Run 7 FO	Method 29		
Init_2-5-29_NG_Run1_Cont1	09/21/22	Petri	G	S	Method 5 Sample Filter - Unit 2 Run 1 NG	Method 5		
Init_2-5-29_NG_Run1_Cont2	09/21/22	250 ml	G	L	Method 5 FHR - Unit 2 Run 1 NG	Method 5		
Unit_2-5-29_NG_Run1_Cont3	09/21/22	250 ml	G	AQ	Method 29 FHR - Unit 2 Run 1 NG	Method 29		
Unit_2-5-29_NG_Run1_Cont4	09/21/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 2 Run 1 NG	Method 29		
Unit_2-5-29_NG_Run1_Cont5A	09/21/22	250 ml	G	L	Method 29 IMP 4 - Unit 2 Run 1 NG	Method 29		
Unit_2-5-29_NG_Run1_Cont5B	09/21/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 2 Run 1 NG	Method 29		
Unit_2-5-29_NG_Run1_Cont5C	09/21/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 2 Run 1 NG	Method 29		
Unit_2-5-29_NG_Run2_Cont1	09/21/22	Petri	G	S	Method 5 Sample Filter - Unit 2 Run 2 NG	Method 5		
Unit_2-5-29_NG_Run2_Cont2	09/21/22	250 ml	G	L	Method 5 FHR - Unit 2 Run 2 NG	Method 5		
Relinquished by: [signature]		Date/Time: 9-28-22/19:45			Relinquished by:		Date/Time:	
Received by:		Date/Time:			Received by:		Date/Time:	
Remarks (*):								

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AM-EMT-79 Rev 5 3 5 1 19

CHAIN OF CUSTODY RECORD

Project Name:	Georgia Power Mcintosh ICR	**Project Manager:**	Jason Grizzle
Project No.:	491281	**TRC Office:**	AU4
Sampling Date(s):	9/21/22 to 09/22/22	**Phone No.:**	(720) 838-3857
Laboratory:	Testamerica	**PM Email:**	jgrizzle@trccompanies.com
Laboratory P.O.:	C491281		
Shipping Date(s):	09/28/22		
Shipper's Name:	TRC		

Sample Code	Date Sampled	Container Size	Container G/P	MATRIX	Description	ANALYSIS	Box No.	Comments
Unit_2-5-29_NG_Run2_Cont3	09/21/22	250 ml	G	AQ	Method 29 FHR - Unit 2 Run 2 NG	Method 29		
Unit_2-5-29_NG_Run2_Cont4	09/21/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 2 Run 2 NG	Method 29		
Unit_2-5-29_NG_Run2_Cont5A	09/21/22	250 ml	G	L	Method 29 IMP 4 - Unit 2 Run 2 NG	Method 29		
Unit_2-5-29_NG_Run2_Cont5B	09/21/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 2 Run 2 NG	Method 29		
Unit_2-5-29_NG_Run2_Cont5C	09/21/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 2 Run 2 NG	Method 29		
Unit_2-5-29_NG_Run3_Cont1	09/22/22	Petri	G	S	Method 5 Sample Filter - Unit 2 Run 3 NG	Method 5		

Relinquished by:	Date/Time: 9-28-22 19:45	**Relinquished by:**	**Date/Time:**
Received by:	**Date/Time:**	**Received by:**	**Date/Time:**
Remarks (*):			

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AM-EMT-79_Rev 5.3 5/1/19

CHAIN OF CUSTODY RECORD

roject Name: Georgia Power McIntosh ICR
roject No.: 491281
ampling Date(s): 9/21/22 to 09/27/22
aboratory: Testamerica
aboratory P.O.: C491281
hipping Date(s): 09/28/22
hipper's Name: TRC

Project Manager: Jason Grizzle
TRC Office: AU4
Phone No.: (720) 838-3857
PM Email: jgrizzle@trccompanies.com

Sample Code	Date Sampled	Container Size	Container G/P	MATRIX	Description	ANALYSIS	Box No.	Comments
Unit_2-5-29_NG_Run3_Cont2	09/22/22	250 ml	G	L	Method 5 FHR - Unit 2 Run 3 NG	Method 5		
Unit_2-5-29_NG_Run3_Cont3	09/22/22	250 ml	G	AQ	Method 29 FHR - Unit 2 Run 3 NG	Method 29		
Unit_2-5-29_NG_Run3_Cont4	09/22/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 2 Run 3 NG	Method 29		
Unit_2-5-29_NG_Run3_Cont5A	09/22/22	250 ml	G	L	Method 29 IMP 4 - Unit 2 Run 3 NG	Method 29		
Unit_2-5-29_NG_Run3_Cont5B	09/22/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 2 Run 3 NG	Method 29		
Unit_2-5-29_NG_Run3_Cont5C	09/22/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 2 Run 3 NG	Method 29		
FTB-5-29_NG__Cont1	09/21/22	Petri	G	S	Method 5 Sample Filter - Field Train Blank NG	Method 5		
FTB-5-29_NG__Cont2	09/21/22	250 ml	G	L	Method 5 FHR - Field Train Blank NG	Method 5		
FTB-5-29_NG__Cont3	09/21/22	250 ml	G	AQ	Method 29 FHR - Field Train Blank NG	Method 29		
FTB-5-29_NG__Cont4	09/21/22	1000 ml	G	L	Method 29 IMP 1-3 - Field Train Blank NG	Method 29		
FTB-5-29_NG__Cont5A	09/21/22	250 ml	G	L	Method 29 IMP 4 - Field Train Blank NG	Method 29		
FTB-5-29_NG__Cont5B	09/21/22	500 ml	G	L	Method 29 IMP 5-6 - Field Train Blank NG	Method 29		
FTB-5-29_NG__Cont5C	09/21/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Field Train Blank NG	Method 29		
FTB-5-29_FO__Cont1	09/27/22	Petri	G	S	Method 5 Sample Filter - Field Train Blank FO	Method 5		
FTB-5-29_FO__Cont2	09/27/22	250 ml	G	L	Method 5 FHR - Field Train Blank FO	Method 5		
FTB-5-29_FO__Cont3	09/27/22	250 ml	G	AQ	Method 29 FHR - Field Train Blank FO	Method 29		
FTB-5-29_FO__Cont4	09/27/22	1000 ml	G	L	Method 29 IMP 1-3 - Field Train Blank FO	Method 29		
FTB-5-29_FO__Cont5A	09/27/22	250 ml	G	L	Method 29 IMP 4 - Field Train Blank FO	Method 29		

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Remarks (*):

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TRC Report Number 491281
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Page 671 of 926
GPC Plant McIntosh ICR Testing
10/19/2022

CHAIN OF CUSTODY RECORD

oject Name:	Georgia Power McIntosh ICR	Project Manager:	Jason Grizzle
oject No.:	491281	TRC Office:	AU4
ampling Date(s):	9/22/22 to 09/27/22	Phone No.:	(720) 838-3857
aboratory:	Testamerica	PM Email:	jgrizzle@trccompanies.com
aboratory P.O.:	C491281		
hipping Date(s):	09/28/22		
hipper's Name:	TRC		

Sample Code	Date Sampled	Container Size	Container G/P	MATRIX	Description	ANALYSIS	Box No.	Comments
TB-5-29_FO__Cont5B	09/27/22	500 ml	G	L	Method 29 IMP 5-6 - Field Train Blank FO	Method 29		
TB-5-29_FO__Cont5C	09/27/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Field Train Blank FO	Method 29		
Unit_2-5-29_NG_Run4_Cont1	09/22/22	Petri	G	S	Method 5 Sample Filter - Unit 2 Run 4 NG	Method 5		
Unit_2-5-29_NG_Run4_Cont2	09/22/22	250 ml	G	L	Method 5 FHR - Unit 2 Run 4 NG	Method 5		
Unit_2-5-29_NG_Run4_Cont3	09/22/22	250 ml	G	AQ	Method 29 FHR - Unit 2 Run 4 NG	Method 29		
Unit_2-5-29_NG_Run4_Cont4	09/22/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 2 Run 4 NG	Method 29		
Unit_2-5-29_NG_Run4_Cont5A	09/22/22	250 ml	G	L	Method 29 IMP 4 - Unit 2 Run 4 NG	Method 29		
Unit_2-5-29_NG_Run4_Cont5B	09/22/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 2 Run 4 NG	Method 29		
Unit_2-5-29_NG_Run4_Cont5C	09/22/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 2 Run 4 NG	Method 29		
Unit_2-5-29_NG_Run5_Cont1	09/22/22	Petri	G	S	Method 5 Sample Filter - Unit 2 Run 5 NG	Method 5		
Unit_2-5-29_NG_Run5_Cont2	09/22/22	250 ml	G	L	Method 5 FHR - Unit 2 Run 5 NG	Method 5		
Unit_2-5-29_NG_Run5_Cont3	09/22/22	250 ml	G	AQ	Method 29 FHR - Unit 2 Run 5 NG	Method 29		
Unit_2-5-29_NG_Run5_Cont4	09/22/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 2 Run 5 NG	Method 29		
Unit_2-5-29_NG_Run5_Cont5A	09/22/22	250 ml	G	L	Method 29 IMP 4 - Unit 2 Run 5 NG	Method 29		
Unit_2-5-29_NG_Run5_Cont5B	09/22/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 2 Run 5 NG	Method 29		
Unit_2-5-29_NG_Run5_Cont5C	09/22/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 2 Run 5 NG	Method 29		
Unit_2-5-29_FO_Run1_Cont1	09/26/22	Petri	G	S	Method 5 Sample Filter - Unit 2 Run 1 FO	Method 5		
Unit_2-5-29_FO_Run1_Cont2	09/26/22	250 ml	G	L	Method 5 FHR - Unit 2 Run 1 FO	Method 5		

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Received by:	Date/Time:	Received by:	Date/Time:

Remarks (*):

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CHAIN OF CUSTODY RECORD

·oject Name:	Georgia Power McIntosh ICR	Project Manager:	Jason Grizzle
·oject No.:	491281	TRC Office:	AU4
ampling Date(s):	9/26/22 to 09/27/22	Phone No.:	(720) 838-3857
aboratory:	Testamerica	PM Email:	jgrizzle@trccompanies.com
aboratory P.O.:	C491281		
hipping Date(s):	09/28/22		
hipper's Name:	TRC		

Sample Code	Date Sampled	Container Size	Container G/P	MATRIX	Description	ANALYSIS	Box No.	Comments
nit_2-5-29_FO_Run1_Cont3	09/26/22	250 ml	G	AQ	Method 29 FHR - Unit 2 Run 1 FO	Method 29		
nit_2-5-29_FO_Run1_Cont4	09/26/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 2 Run 1 FO	Method 29		
Init_2-5-29_FO_Run1_Cont5A	09/26/22	250 ml	G	L	Method 29 IMP 4 - Unit 2 Run 1 FO	Method 29		
Init_2-5-29_FO_Run1_Cont5B	09/26/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 2 Run 1 FO	Method 29		
Init_2-5-29_FO_Run1_Cont5C	09/26/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 2 Run 1 FO	Method 29		
Init_2-5-29_FO_Run2_Cont1	09/26/22	Petri	G	S	Method 5 Sample Filter - Unit 2 Run 2 FO	Method 5		
Init_2-5-29_FO_Run2_Cont2	09/26/22	250 ml	G	L	Method 5 FHR - Unit 2 Run 2 FO	Method 5		
Init_2-5-29_FO_Run2_Cont3	09/26/22	250 ml	G	AQ	Method 29 FHR - Unit 2 Run 2 FO	Method 29		
Init_2-5-29_FO_Run2_Cont4	09/26/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 2 Run 2 FO	Method 29		
Jnit_2-5-29_FO_Run2_Cont5A	09/26/22	250 ml	G	L	Method 29 IMP 4 - Unit 2 Run 2 FO	Method 29		
Jnit_2-5-29_FO_Run2_Cont5B	09/26/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 2 Run 2 FO	Method 29		
Jnit_2-5-29_FO_Run2_Cont5C	09/26/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 2 Run 2 FO	Method 29		
Jnit_2-5-29_FO_Run3_Cont1	09/27/22	Petri	G	S	Method 5 Sample Filter - Unit 2 Run 3 FO	Method 5		
Jnit_2-5-29_FO_Run3_Cont2	09/27/22	250 ml	G	L	Method 5 FHR - Unit 2 Run 3 FO	Method 5		
Jnit_2-5-29_FO_Run3_Cont3	09/27/22	250 ml	G	AQ	Method 29 FHR - Unit 2 Run 3 FO	Method 29		
Jnit_2-5-29_FO_Run3_Cont4	09/27/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 2 Run 3 FO	Method 29		
Jnit_2-5-29_FO_Run3_Cont5A	09/27/22	250 ml	G	L	Method 29 IMP 4 - Unit 2 Run 3 FO	Method 29		
Unit_2-5-29_FO_Run3_Cont5B	09/27/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 2 Run 3 FO	Method 29		

Relinquished by: [signature]	Date/Time: 9-28-22 19:45	Relinquished by:	Date/Time:
Received by:	Date/Time:	Received by:	Date/Time:

Remarks (*):

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AM-EMT-79_Rev 5.3 5/1/19

CHAIN OF CUSTODY RECORD

Project Name:	Georgia Power McIntosh ICR	**Project Manager:**	Jason Grizzle
Project No.:	491281	**TRC Office:**	AU4
Sampling Date(s):	9/27/22 to 09/27/22	**Phone No.:**	(720) 838-3857
Laboratory:	Testamerica	**PM Email:**	jgrizzle@trccompanies.com
Laboratory P.O.:	C491281		
Shipping Date(s):	09/28/22		
Shipper's Name:	TRC		

Sample Code	Date Sampled	Container Size	Container G/P	MATRIX	Description	ANALYSIS	Box No.	Comments
Unit_2-5-29_FO_Run3_Cont5C	09/27/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 2 Run 3 FO	Method 29		
Unit_2-5-29_FO_Run4_Cont1	09/27/22	Petri	G	S	Method 5 Sample Filter - Unit 2 Run 4 FO	Method 5		
Unit_2-5-29_FO_Run4_Cont2	09/27/22	250 ml	G	L	Method 5 FHR - Unit 2 Run 4 FO	Method 5		
Unit_2-5-29_FO_Run4_Cont3	09/27/22	250 ml	G	AQ	Method 29 FHR - Unit 2 Run 4 FO	Method 29		
Unit_2-5-29_FO_Run4_Cont4	09/27/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 2 Run 4 FO	Method 29		
Unit_2-5-29_FO_Run4_Cont5A	09/27/22	250 ml	G	L	Method 29 IMP 4 - Unit 2 Run 4 FO	Method 29		

Relinquished by:	Date/Time: 9-28-22 19:45	**Relinquished by:**	**Date/Time:**
Received by:	**Date/Time:**	**Received by:**	**Date/Time:**

Remarks (*):

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AM-EMT-79_Rev 5.3 5/1/19

CHAIN OF CUSTODY RECORD

Project Name:	Georgia Power McIntosh ICR	**Project Manager:**	Jason Grizzle
Project No.:	491281	**TRC Office:**	AU4
Sampling Date(s):	9/27/22 to 09/27/22	**Phone No.:**	(720) 838-3857
Laboratory:	Testamerica	**PM Email:**	jgrizzle@trccompanies.com
Laboratory P.O.:	C491281		
Shipping Date(s):	09/28/22		
Shipper's Name:	TRC		

Sample Code	Date Sampled	Container Size	Container G/P	MATRIX	Description	ANALYSIS	Box No.	Comments
Unit_2-5-29_FO_Run4_Cont5B	09/27/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 2 Run 4 FO	Method 29		
Unit_2-5-29_FO_Run4_Cont5C	09/27/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 2 Run 4 FO	Method 29		
Unit_2-5-29_FO_Run5_Cont1	09/27/22	Petri	G	S	Method 5 Sample Filter - Unit 2 Run 5 FO	Method 5		
Unit_2-5-29_FO_Run5_Cont2	09/27/22	250 ml	G	L	Method 5 FHR - Unit 2 Run 5 FO	Method 5		
Unit_2-5-29_FO_Run5_Cont3	09/27/22	250 ml	G	AQ	Method 29 FHR - Unit 2 Run 5 FO	Method 29		
Unit_2-5-29_FO_Run5_Cont4	09/27/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 2 Run 5 FO	Method 29		
Unit_2-5-29_FO_Run5_Cont5A	09/27/22	250 ml	G	L	Method 29 IMP 4 - Unit 2 Run 5 FO	Method 29		
Unit_2-5-29_FO_Run5_Cont5B	09/27/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 2 Run 5 FO	Method 29		
Unit_2-5-29_FO_Run5_Cont5C	09/27/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 2 Run 5 FO	Method 29		

Relinquished by:	Date/Time: 9-28-22 19:45	**Relinquished by:**	**Date/Time:**
Received by:	Date/Time: 09.28.22 1945	**Received by:**	**Date/Time:**

Remarks (*):

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Filterable Particulate Sample Analysis Summary

Project#:	**491281**	Unit ID:	**CT Unit 2 - FO**
Company:	**Georgia Power**	Location:	**Exhaust**
Plant:	**McIntosh Plant**	Test Date(s):	9/26/2022

Filterable PM	Run 1	Run 2	Run 3	Run 4	Blank
Filter material collected in acetone rinse?	N	N	N	N	
Filter final - Filter tare (mg):	1.00	1.09	-0.38	-0.20	
Rinse volume, V_{aw}, (ml):	0.1	0.1	0.1	0.1	0.1
Rinse final - Rinse tare, m_a, (mg):	0.40	0.68	2.65	0.96	0.0
Rinse blank correction, W_a (mg)**:	0.00	0.00	0.00	0.00	
Total rinse mass (mg):	0.40	0.68	2.65	0.96	
***Total Filterable PM, m_n, (milligrams):**	**1.40**	**1.77**	**3.15**	**1.46**	

***** If filter material was recovered in the acetone rinse, and the sum of the filter weight increase and the total rinse mass is ≥ zero, subsequent calculations are performed using that value.

***** If filter material was recovered in the acetone rinse, and the sum of the filter weight increase and the total rinse mass is < zero, subsequent calculations are performed using a value of 1 mg

* If filter material was not recovered in the acetone rinse, and the result from the lab for either fraction is < zero, subsequent calculations are performed using a value of 0.5 mg for that fraction

** - the maximum allowable blank correction is 0.0079 mg/ml

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Filterable Particulate Sample Analysis Summary

Project#:	**491281**	Unit ID:	**CT Unit 2 - FO**
Company:	**Georgia Power**	Location:	**Exhaust**
Plant:	**McIntosh Plant**	Test Date(s):	9/27/2022

You must select Y or N for each Run in Row 9

Filterable PM	Run 5	Run 0	Run 0	Run 0	Blank
Filter material collected in acetone rinse?	N				
Filter final - Filter tare (mg):	0.31	-	-	-	
Rinse volume, V_{aw}, (ml):	0.1	-	-	-	0.1
Rinse final - Rinse tare, m_a, (mg):	1.31	-	-	-	0.0
Rinse blank correction, W_a (mg)**:	0.00	-	-	-	
Total rinse mass (mg):	1.31	-	-	-	
***Total Filterable PM, m_n, (milligrams):**	**1.62**	**-**	**-**	**-**	

***** If filter material was recovered in the acetone rinse, and the sum of the filter weight increase and the total rinse mass is > zero, subsequent calculations are performed using that value.

***** If filter material was recovered in the acetone rinse, and the sum of the filter weight increase and the total rinse mass is < zero, subsequent calculations are performed using a value of 1 mg

* If filter material was not recovered in the acetone rinse, and the result from the lab for either fraction is < zero, subsequent calculations are performed using a value of 0.5 mg for that fraction

** - the maximum allowable blank correction is 0.0079 mg/ml

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Method 29 Sample Analysis Summary

Project#:	**491281**	Unit ID:	**CT Unit 2 - FO**
Company:	**Georgia Power**	Location:	**Exhaust**
Plant:	**McIntosh Plant**	Test Date(s):	**September 26, 2022**

Filter Diameter (mm): 82 (NuTech)

Gross front-half metals

	Run 1	Run 2	Run 3	Run 4	Reagent Blank
Ag (ug)	-	-	-	-	-
As (µg)	< 1.78	< 1.78	< 1.78	< 1.78	< 0.00
Ba (µg)	-	-	-	-	-
Be (µg)	< 0.02	< 0.02	< 0.02	< 0.02	< 0.00
Cd (µg)	< 0.28	< 0.28	< 0.28	< 0.28	< 0.00
Cr (µg)	4.76	5.24	4.03	4.43	-
Co (µg)	< 2.00	< 2.00	< 2.00	< 2.00	< 0.00
Cu (µg)	-	-	-	-	-
1B Hg (µg)	< 0.08	< 0.08	< 0.08	< 0.08	< 0.00
Mn (µg)	1.05	1.16	1.20	1.12	< 0.00
Ni (µg)	1.75	1.60	2.02	1.15	< 0.00
P (µg)	-	-	-	-	-
Pb (µg)	< 0.94	< 0.94	< 0.94	< 0.94	< 0.00
Sb (µg)	1.23	1.26	1.31	1.11	< 0.00
Se (µg)	< 1.32	< 1.32	< 1.32	< 1.32	< 0.00
Tl (µg)	-	-	-	-	-
Zn (µg)	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-

"<" indicates that the mass of a metal in the sample was below the laboratory analytical detection limit

Blank-corrected front-half metals

	Run 1	Run 2	Run 3	Run 4
Ag (µg)	-	-	-	-
As (µg)	1.78 *	1.78 *	1.78 *	1.78 *
Ba (µg)	-	-	-	-
Be (µg)	0.02 *	0.02 *	0.02 *	0.02 *
Cd (µg)	0.28 *	0.28 *	0.28 *	0.28 *
Cr (µg)	0.00	0.00	0.00	0.00
Co (µg)	2.00 *	2.00 *	2.00 *	2.00 *
Cu (µg)	-	-	-	-
1B Hg (µg)	N/A *	N/A *	N/A *	N/A *
Mn (µg)	1.05	1.16	1.20	1.12
Ni (µg)	1.75	1.60	2.02	1.15
P (µg)	-	-	-	-
Pb (µg)	0.94 *	0.94 *	0.94 *	0.94 *
Sb (µg)	1.23	1.26	1.31	1.11
Se (µg)	1.32 *	1.32 *	1.32 *	1.32 *
Tl (µg)	-	-	-	-
Zn (µg)	-	-	-	-
-	-	-	-	-
-	-	-	-	-

* If a "Gross" Run value was below the detection limit, subsequent calculations used the detection limit
If a Reagent Blank value was below the detection limit, subsequent calculations used a value of 0.0

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Method 29 Sample Analysis Summary

FSR#:	**491281**	Unit ID:	**CT Unit 2 - FO**
Company:	**Georgia Power**	Location:	**Exhaust**
Plant:	**McIntosh Plant**	Test Date(s):	**September 26, 2022**

You must select an option in cell J54 & J55 for this sheet to function

Gross Back-half metals

	Run 1	Run 2	Run 3	Run 4	Reagent Blank
Ag (µg)	-	-	-	-	
As (µg)	< 0.18	< 0.18	< 0.18	< 0.18	< 0.00
Ba (µg)	-	-	-	-	-
Be (µg)	< 0.05	< 0.05	< 0.05	< 0.05	< 0.00
Cd (µg)	< 0.02	< 0.02	< 0.02	< 0.02	< 0.00
Cr (µg)	0.58	0.46	0.27	0.39	< 0.00
Co (µg)	< 0.10	< 0.10	< 0.10	< 0.10	< 0.00
Cu (µg)	-	-	-	-	-
2B Hg (µg)	< 0.12	< 0.12	< 0.12	< 0.12	< 0.00
3A Hg (µg)	< 0.12	< 0.13	< 0.12	< 0.12	< 0.00
3B Hg (µg)	< 0.05	< 0.05	< 0.05	< 0.05	< 0.00
3C Hg (µg)	< 0.13	< 0.13	< 0.12	< 0.13	< 0.00
Mn (µg)	1.97	0.86	0.99	2.63	< 0.00
Ni (µg)	0.38	< 0.26	0.54	< 0.26	< 0.00
P (µg)	-	-	-	-	-
Pb (µg)	< 0.48	< 0.48	< 0.48	< 0.48	< 0.00
Sb (µg)	< 0.84	< 0.84	< 0.84	< 0.84	< 0.00
Se (µg)	< 0.39	0.58	< 0.39	0.60	< 0.00
Tl (µg)	-	-	-	-	-
Zn (µg)	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-

"<" indicates that the mass of a metal in the sample was below the laboratory analytical detection limit

Blank-corrected back-half metals

	Run 1	Run 2	Run 3	Run 4
Ag (µg)	-	-	-	-
As (µg)	0.18 *	0.18 *	0.18 *	0.18 *
Ba (µg)	-	-	-	-
Be (µg)	0.05 *	0.05 *	0.05 *	0.05 *
Cd (µg)	0.02 *	0.02 *	0.02 *	0.02 *
Cr (µg)	0.58	0.46	0.27	0.39
Co (µg)	0.10 *	0.10 *	0.10 *	0.10 *
Cu (µg)	-	-	-	-
Total Hg (front and back) (µg)	0.50	0.51	0.49	0.50
Mn (µg)	1.97	0.86	0.99	2.63
Ni (µg)	0.38	0.26 *	0.54	0.26 *
P (µg)	-	-	-	-
Pb (µg)	0.48 *	0.48 *	0.48 *	0.48 *
Sb (µg)	0.84 *	0.84 *	0.84 *	0.84 *
Se (µg)	0.39 *	0.58	0.39 *	0.60
Tl (µg)	-	-	-	-
Zn (µg)	-	-	-	-
-	-	-	-	-
-	-	-	-	-

* If a "Gross" Run value was below the detection limit, subsequent calculations used the detection limit

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Method 29 Sample Analysis Summary

Project#:	**491281**	Unit ID:	**CT Unit 2 - FO**
Company:	**Georgia Power**	Location:	**Exhaust**
Plant:	**McIntosh Plant**	Test Date(s):	**September 27, 2022**

Filter Diameter (mm): 82 (NuTech)

Gross front-half metals

	Run 5	Run 0	Run 0	Run 0	Reagent Blank
Ag (ug)	-	-	-	-	-
As (µg)	< 1.78	-	-	-	< 0.00
Ba (µg)	-	-	-	-	-
Be (µg)	< 0.02	-	-	-	< 0.00
Cd (µg)	< 0.28	-	-	-	< 0.00
Cr (µg)	5.52	-	-	-	< 0.00
Co (µg)	3.84	-	-	-	< 0.00
Cu (µg)	-	-	-	-	-
1B Hg (µg)	< 0.20	-	-	-	< 0.00
Mn (µg)	1.24	-	-	-	< 0.00
Ni (µg)	7.49	-	-	-	< 0.00
P (µg)	-	-	-	-	-
Pb (µg)	< 0.94	-	-	-	< 0.00
Sb (µg)	1.33	-	-	-	< 0.00
Se (µg)	< 1.32	-	-	-	< 0.00
Tl (µg)	-	-	-	-	-
Zn (µg)	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-

"<" indicates that the mass of a metal in the sample was below the laboratory analytical detection limit

Blank-corrected front-half metals

	Run 5	Run 0	Run 0	Run 0
Ag (µg)	-	-	-	-
As (µg)	1.78 *	-	-	-
Ba (µg)	-	-	-	-
Be (µg)	0.02 *	-	-	-
Cd (µg)	0.28 *	-	-	-
Cr (µg)	5.52	-	-	-
Co (µg)	3.84	-	-	-
Cu (µg)	-	-	-	-
1B Hg (µg)	N/A *	N/A	N/A	N/A
Mn (µg)	1.24	-	-	-
Ni (µg)	7.49	-	-	-
P (µg)	-	-	-	-
Pb (µg)	0.94 *	-	-	-
Sb (µg)	1.33	-	-	-
Se (µg)	1.32 *	-	-	-
Tl (µg)	-	-	-	-
Zn (µg)	-	-	-	-
-	-	-	-	-
-	-	-	-	-

* If a "Gross" Run value was below the detection limit, subsequent calculations used the detection limit
If a Reagent Blank value was below the detection limit, subsequent calculations used a value of 0.0

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Method 29 Sample Analysis Summary

FSR#:	**491281**	Unit ID:	**CT Unit 2 - FO**
Company:	**Georgia Power**	Location:	**Exhaust**
Plant:	**McIntosh Plant**	Test Date(s):	**September 27, 2022**

You must select an option in cell J54 & J55 for this sheet to function

Gross Back-half metals

	Run 5	Run 0	Run 0	Run 0	Reagent Blank
Ag (µg)	-	-	-	-	
As (µg)	< 0.18	-	-	-	< 0.00
Ba (µg)	-	-	-	-	-
Be (µg)	< 0.05	-	-	-	< 0.00
Cd (µg)	< 0.02	-	-	-	< 0.00
Cr (µg)	0.94	-	-	-	< 0.00
Co (µg)	< 0.10	-	-	-	< 0.00
Cu (µg)	-	-	-	-	-
2B Hg (µg)	< 0.12	-	-	-	< 0.00
3A Hg (µg)	< 0.12	-	-	-	< 0.00
3B Hg (µg)	< 0.05	-	-	-	< 0.00
3C Hg (µg)	< 0.13	-	-	-	< 0.00
Mn (µg)	7.73	-	-	-	< 0.00
Ni (µg)	< 0.26	-	-	-	< 0.00
P (µg)	-	-	-	-	-
Pb (µg)	< 0.48	-	-	-	< 0.00
Sb (µg)	< 0.84	-	-	-	< 0.00
Se (µg)	< 0.39	-	-	-	< 0.00
Tl (µg)	-	-	-	-	-
Zn (µg)	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-

"<" indicates that the mass of a metal in the sample was below the laboratory analytical detection limit

Blank-corrected back-half metals

	Run 5	Run 0	Run 0	Run 0
Ag (µg)	-	-	-	-
As (µg)	0.18 *	-	-	-
Ba (µg)	-	-	-	-
Be (µg)	0.05 *	-	-	-
Cd (µg)	0.02 *	-	-	-
Cr (µg)	0.94	-	-	-
Co (µg)	0.10 *	-	-	-
Cu (µg)	-	-	-	-
Total Hg (front and back) (µg)	0.61	-	-	-
Mn (µg)	7.73	-	-	-
Ni (µg)	0.26 *	-	-	-
P (µg)	-	-	-	-
Pb (µg)	0.48 *	-	-	-
Sb (µg)	0.84 *	-	-	-
Se (µg)	0.39 *	-	-	-
Tl (µg)	-	-	-	-
Zn (µg)	-	-	-	-
-	-	-	-	-
-	-	-	-	-

* If a "Gross" Run value was below the detection limit, subsequent calculations used the detection limit

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ANALYTICAL REPORT

Eurofins Knoxville
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Knoxville, TN 37921
Tel: (865)291-3000

Laboratory Job ID: 140-29044-1
Client Project/Site: Georgia Power Mcintosh ICR-Unit 2 FO M5/M29

For:
TRC Environmental Corporation
3800 Colonnade
Suite 175
Birmingham, Alabama 35243

Attn: Jon Howard

Authorized for release by:
10/19/2022 4:37:02 PM

Courtney Adkins, Project Manager II
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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: TRC Environmental Corporation
Job ID: 140-29044-1
Project/Site: Georgia Power Mcintosh ICR-Unit 2 FO M5/M29

Qualifiers

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 140-29044-1

Laboratory: Eurofins Knoxville

Narrative

Job Narrative
140-29044-1

Receipt

The samples were received on 9/28/2022 7:45 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 19.1° C.

Metals

Multi-Metals Train Preparation and Analysis

These stack gas samples were prepared and analyzed using Eurofins TestAmerica Knoxville standard operating procedure KNOX-MT-0006 which is based on EPA SW-846 Method 0060, "Determination of Metals in Stack Emissions" and Method 29, "Determination of Metals Emissions from Stationary Sources". SW-846 Methods 6010C and 7470A as incorporated in Eurofins TestAmerica Knoxville standard operating procedures KNOX-MT-0007 and KNOX-MT-0009 were used to perform the final instrument analysis.

Acid digestion was performed on the front half particulate filter and the acetone and nitric acid probe rinse fractions separately using HNO3 and HF. After digestion, the HF was sequestered using H3BO3 followed by another heating cycle. These digestates were combined, adjusted to final volume and analyzed by ICP. A portion of the ICP digestate was prepared for CVAA analysis in order to determine the particle-bound mercury. Results were calculated using the following equations:

ICP Analyte, µg/sample = (Raw Sample Concentration, µg/L) x (Bench DF) x (Final Volume ICP Digestate, L)

Hg, µg/sample = (Raw Sample Concentration, µg/L) x (Bench DF) x (Final Volume ICP Digestate, L) x (Final Volume Hg Digestate, mL / Volume ICP Digestate Used, mL)

The 5%HNO3/10%H2O2 impinger samples were reduced in volume to 100 mL. A 20 milliliter portion of the concentrated sample was removed and processed for mercury. The remaining 80 mL of concentrated sample was digested using HNO3 and H2O2, adjusted to a final volume of 80 mL, and analyzed by ICP. Results were calculated using the following equations:

ICP Analyte, µg/sample = (Raw Sample Concentration, µg/L) x (Bench DF) x (Final Volume Concentrated Sample, L) x (Final Volume ICP Digestate, mL / Volume Conc. Sample Digested, mL)

Hg, µg/sample = (Raw Sample Concentration, µg/L) x (Bench DF) x (Final Volume Concentrated Sample, L) x (Final Volume Hg Digestate, mL / Volume Conc. Sample Digested, mL)

For the 0.1N HNO3 rinse samples (empty impingers), a 2.5 milliliter portion of the sample as received was removed and processed for mercury.

The 4% KMnO4/10%H2SO4 impinger samples were filtered to remove MnO2, followed by removal of a 25 mL portion of filtrate for mercury processing. The filtered MnO2 residue was digested in HCl, combined with the HCl rinse sample and analyzed for mercury.

Results for the 0.1N HNO3 rinse samples and the KMnO4 filtrate were calculated using the following equation:

Hg, µg/sample = (Raw Sample Concentration, µg/L) x (Bench DF) x (Total Sample Volume, L) x (Final Volume Hg Digestate, mL / Volume Sample Digested, mL)

Results for the combined MnO2 residue HCl digestates and HCl rinse samples were calculated as follows:

Hg, µg/sample = (Raw Sample Concentration, µg/L) x (Bench DF) x (Total Sample Volume, L + MnO2 HCl Volume, L) x (Final Volume Hg Digestate, mL / Volume Sample Digested, mL)

Job ID: 140-29044-1 (Continued)

Laboratory: Eurofins Knoxville (Continued)

Note: The total sample volume for the 5%HNO3/10%H2O2 impinger samples is the final volume of the concentrated sample. The total sample volume for the combined MnO2 residue HCl digestates and HCl rinse samples is equal to the total sample volume plus the MnO2 HCl volume.

Method 29/6010C: The following samples were diluted due to the presence of Silicon which interferes with Arsenic, Cobalt, Lead, Nickel and Selenium: UNIT_2-5-29_FO_RUN1_CONT 1,2,3 (140-29044-3), UNIT_2-5-29_FO_RUN2_CONT 1,2,3 (140-29044-10), UNIT_2-5-29_FO_RUN3_CONT 1,2,3 (140-29044-17), UNIT_2-5-29_FO_RUN4_CONT 1,2,3 (140-29044-24), UNIT_2-5-29_FO_RUN5_CONT 1,2,3 (140-29044-31), FTB-5-29_FO_CONT 1,2,3 (140-29044-38) and C-1555 M5/M29 MEDIA CHECK FILTER (140-29044-43). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry

Total Particulates: The measurement of the mass of particulate matter trapped by the particulate filter and probe rinse derived from an M-5 sampling train was performed using SOP number KNOX-WC-0006 (based on EPA Methods 0050 and 5). Microfiber filters and 150 mL beakers are carefully inspected and tare weighed to constant weight. After sample collection, the filters are dried, and then carefully weighed to constant weight to determine the mass of particulate matter trapped on the filters. The acetone probe rinse solution is evaporated to dryness, and then weighed to constant weight to determine the total particulate mass collected in the rinse. The total particulate mass collected by an M-5 train is the sum of the particulate filter and the acetone probe rinse residue weights.

Method 5: Filter samples UNIT_2-5-29_FO_RUN1_CONT 1 (140-29044-1), UNIT_2-5-29_FO_RUN3_CONT 1 (140-29044-15) and UNIT_2-5-29_FO_RUN5_CONT 1 (140-29044-29) arrived with significant damage (tears/bends) and results may exhibit a low bias.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Client Sample Results

Client: TRC Environmental Corporation
Job ID: 140-29044-1
Project/Site: Georgia Power Mcintosh ICR-Unit 2 FO M5/M29

Client Sample ID: UNIT_2-5-29_FO_RUN1_CONT 1
Lab Sample ID: 140-29044-1
Date Collected: 09/26/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulates, Total (EPA 5)	**0.995**		0.500	0.500	mg/sample			10/03/22 17:25	1

Client Sample ID: UNIT_2-5-29_FO_RUN1_CONT 2
Lab Sample ID: 140-29044-2
Date Collected: 09/26/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulates, Total (EPA 5)	ND		0.500	0.500	mg/sample			10/03/22 17:25	1

Client Sample ID: UNIT_2-5-29_FO_RUN1_CONT 1,2,3
Lab Sample ID: 140-29044-3
Date Collected: 09/26/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/6010C - Metals (ICP), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**1.23**	**J**	6.00	1.10	ug/Sample		10/05/22 09:15	10/12/22 16:31	1
Arsenic	ND		2.00	1.78	ug/Sample		10/05/22 09:15	10/13/22 15:27	2
Beryllium	ND		0.500	0.0160	ug/Sample		10/05/22 09:15	10/12/22 16:31	1
Cadmium	ND		0.500	0.280	ug/Sample		10/05/22 09:15	10/12/22 16:31	1
Chromium	**4.76**		1.00	0.190	ug/Sample		10/05/22 09:15	10/12/22 16:31	1
Cobalt	ND		10.0	2.00	ug/Sample		10/05/22 09:15	10/13/22 15:27	2
Lead	ND		2.00	0.940	ug/Sample		10/05/22 09:15	10/13/22 15:27	2
Manganese	**1.05**	**J**	1.50	0.120	ug/Sample		10/05/22 09:15	10/12/22 16:31	1
Nickel	**1.75**	**J**	8.00	0.500	ug/Sample		10/05/22 09:15	10/13/22 15:27	2
Selenium	ND		2.00	1.32	ug/Sample		10/05/22 09:15	10/13/22 15:27	2

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.0840	ug/Sample		10/05/22 09:15	10/12/22 15:00	1

Client Sample ID: UNIT_2-5-29_FO_RUN1_CONT 4
Lab Sample ID: 140-29044-4
Date Collected: 09/26/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/6010C - Metals (ICP), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		6.00	0.840	ug/Sample		10/03/22 09:44	10/11/22 19:08	1
Arsenic	ND		1.00	0.180	ug/Sample		10/03/22 09:44	10/11/22 19:08	1
Beryllium	ND		0.500	0.0470	ug/Sample		10/03/22 09:44	10/11/22 19:08	1
Cadmium	ND		0.500	0.0180	ug/Sample		10/03/22 09:44	10/11/22 19:08	1
Chromium	**0.575**	**J**	1.00	0.180	ug/Sample		10/03/22 09:44	10/11/22 19:08	1
Cobalt	ND		5.00	0.100	ug/Sample		10/03/22 09:44	10/11/22 19:08	1
Lead	ND		1.00	0.480	ug/Sample		10/03/22 09:44	10/11/22 19:08	1
Manganese	**1.97**		1.50	0.180	ug/Sample		10/03/22 09:44	10/11/22 19:08	1
Nickel	**0.377**	**J**	4.00	0.260	ug/Sample		10/03/22 09:44	10/11/22 19:08	1
Selenium	ND		1.00	0.390	ug/Sample		10/03/22 09:44	10/11/22 19:08	1

Client Sample Results

Client: TRC Environmental Corporation
Job ID: 140-29044-1
Project/Site: Georgia Power Mcintosh ICR-Unit 2 FO M5/M29

Client Sample ID: UNIT_2-5-29_FO_RUN1_CONT 4
Lab Sample ID: 140-29044-4
Date Collected: 09/26/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.400	0.120	ug/Sample		10/05/22 14:00	10/06/22 15:52	1

Client Sample ID: UNIT_2-5-29_FO_RUN1_CONT 5A
Lab Sample ID: 140-29044-5
Date Collected: 09/26/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.400	0.120	ug/Sample		10/04/22 08:00	10/05/22 14:44	1

Client Sample ID: UNIT_2-5-29_FO_RUN1_CONT 5B
Lab Sample ID: 140-29044-6
Date Collected: 09/26/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.150	0.0450	ug/Sample		10/04/22 08:00	10/05/22 16:28	1

Client Sample ID: UNIT_2-5-29_FO_RUN1_CONT 5C
Lab Sample ID: 140-29044-7
Date Collected: 09/26/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.295	0.130	ug/Sample		10/05/22 08:00	10/06/22 13:34	1

Client Sample ID: UNIT_2-5-29_FO_RUN2_CONT 1
Lab Sample ID: 140-29044-8
Date Collected: 09/26/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulates, Total (EPA 5)	1.09		0.500	0.500	mg/sample			10/03/22 17:25	1

Client Sample ID: UNIT_2-5-29_FO_RUN2_CONT 2
Lab Sample ID: 140-29044-9
Date Collected: 09/26/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulates, Total (EPA 5)	0.680		0.500	0.500	mg/sample			10/03/22 17:25	1

Client Sample Results

Client: TRC Environmental Corporation
Job ID: 140-29044-1
Project/Site: Georgia Power Mcintosh ICR-Unit 2 FO M5/M29

Client Sample ID: UNIT_2-5-29_FO_RUN2_CONT 1,2,3
Lab Sample ID: 140-29044-10

Date Collected: 09/26/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/6010C - Metals (ICP), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**1.26**	**J**	6.00	1.10	ug/Sample		10/05/22 09:15	10/12/22 16:36	1
Arsenic	ND		2.00	1.78	ug/Sample		10/05/22 09:15	10/13/22 15:32	2
Beryllium	ND		0.500	0.0160	ug/Sample		10/05/22 09:15	10/12/22 16:36	1
Cadmium	ND		0.500	0.280	ug/Sample		10/05/22 09:15	10/12/22 16:36	1
Chromium	**5.24**		1.00	0.190	ug/Sample		10/05/22 09:15	10/12/22 16:36	1
Cobalt	ND		10.0	2.00	ug/Sample		10/05/22 09:15	10/13/22 15:32	2
Lead	ND		2.00	0.940	ug/Sample		10/05/22 09:15	10/13/22 15:32	2
Manganese	**1.16**	**J**	1.50	0.120	ug/Sample		10/05/22 09:15	10/12/22 16:36	1
Nickel	**1.60**	**J**	8.00	0.500	ug/Sample		10/05/22 09:15	10/13/22 15:32	2
Selenium	ND		2.00	1.32	ug/Sample		10/05/22 09:15	10/13/22 15:32	2

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.0840	ug/Sample		10/05/22 09:15	10/12/22 15:02	1

Client Sample ID: UNIT_2-5-29_FO_RUN2_CONT 4
Lab Sample ID: 140-29044-11

Date Collected: 09/26/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/6010C - Metals (ICP), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		6.00	0.840	ug/Sample		10/03/22 09:44	10/11/22 19:13	1
Arsenic	ND		1.00	0.180	ug/Sample		10/03/22 09:44	10/11/22 19:13	1
Beryllium	ND		0.500	0.0470	ug/Sample		10/03/22 09:44	10/11/22 19:13	1
Cadmium	ND		0.500	0.0180	ug/Sample		10/03/22 09:44	10/11/22 19:13	1
Chromium	**0.455**	**J**	1.00	0.180	ug/Sample		10/03/22 09:44	10/11/22 19:13	1
Cobalt	ND		5.00	0.100	ug/Sample		10/03/22 09:44	10/11/22 19:13	1
Lead	ND		1.00	0.480	ug/Sample		10/03/22 09:44	10/11/22 19:13	1
Manganese	**0.858**	**J**	1.50	0.180	ug/Sample		10/03/22 09:44	10/11/22 19:13	1
Nickel	ND		4.00	0.260	ug/Sample		10/03/22 09:44	10/11/22 19:13	1
Selenium	**0.576**	**J**	1.00	0.390	ug/Sample		10/03/22 09:44	10/11/22 19:13	1

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.400	0.120	ug/Sample		10/05/22 14:00	10/06/22 15:54	1

Client Sample ID: UNIT_2-5-29_FO_RUN2_CONT 5A
Lab Sample ID: 140-29044-12

Date Collected: 09/26/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.440	0.132	ug/Sample		10/04/22 08:00	10/05/22 14:46	1

Client: TRC Environmental Corporation
Job ID: 140-29044-1
Project/Site: Georgia Power Mcintosh ICR-Unit 2 FO M5/M29

Client Sample ID: UNIT_2-5-29_FO_RUN2_CONT 5B
Lab Sample ID: 140-29044-13
Date Collected: 09/26/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.150	0.0450	ug/Sample		10/04/22 08:00	10/05/22 16:31	1

Client Sample ID: UNIT_2-5-29_FO_RUN2_CONT 5C
Lab Sample ID: 140-29044-14
Date Collected: 09/26/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.295	0.130	ug/Sample		10/05/22 08:00	10/06/22 13:36	1

Client Sample ID: UNIT_2-5-29_FO_RUN3_CONT 1
Lab Sample ID: 140-29044-15
Date Collected: 09/27/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulates, Total (EPA 5)	ND		0.500	0.500	mg/sample			10/03/22 17:25	1

Client Sample ID: UNIT_2-5-29_FO_RUN3_CONT 2
Lab Sample ID: 140-29044-16
Date Collected: 09/27/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulates, Total (EPA 5)	**2.65**		0.500	0.500	mg/sample			10/03/22 17:25	1

Client Sample ID: UNIT_2-5-29_FO_RUN3_CONT 1,2,3
Lab Sample ID: 140-29044-17
Date Collected: 09/27/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/6010C - Metals (ICP), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**1.31**	**J**	6.00	1.10	ug/Sample		10/05/22 09:15	10/12/22 16:41	1
Arsenic	ND		2.00	1.78	ug/Sample		10/05/22 09:15	10/13/22 15:38	2
Beryllium	ND		0.500	0.0160	ug/Sample		10/05/22 09:15	10/12/22 16:41	1
Cadmium	ND		0.500	0.280	ug/Sample		10/05/22 09:15	10/12/22 16:41	1
Chromium	**4.03**		1.00	0.190	ug/Sample		10/05/22 09:15	10/12/22 16:41	1
Cobalt	ND		10.0	2.00	ug/Sample		10/05/22 09:15	10/13/22 15:38	2
Lead	ND		2.00	0.940	ug/Sample		10/05/22 09:15	10/13/22 15:38	2
Manganese	**1.20**	**J**	1.50	0.120	ug/Sample		10/05/22 09:15	10/12/22 16:41	1
Nickel	**2.02**	**J**	8.00	0.500	ug/Sample		10/05/22 09:15	10/13/22 15:38	2
Selenium	ND		2.00	1.32	ug/Sample		10/05/22 09:15	10/13/22 15:38	2

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.0840	ug/Sample		10/05/22 09:15	10/12/22 15:05	1

Client Sample ID: UNIT_2-5-29_FO_RUN3_CONT 4
Lab Sample ID: 140-29044-18

Date Collected: 09/27/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/6010C - Metals (ICP), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		6.00	0.840	ug/Sample		10/03/22 09:44	10/11/22 19:18	1
Arsenic	ND		1.00	0.180	ug/Sample		10/03/22 09:44	10/11/22 19:18	1
Beryllium	ND		0.500	0.0470	ug/Sample		10/03/22 09:44	10/11/22 19:18	1
Cadmium	ND		0.500	0.0180	ug/Sample		10/03/22 09:44	10/11/22 19:18	1
Chromium	**0.268**	**J**	1.00	0.180	ug/Sample		10/03/22 09:44	10/11/22 19:18	1
Cobalt	ND		5.00	0.100	ug/Sample		10/03/22 09:44	10/11/22 19:18	1
Lead	ND		1.00	0.480	ug/Sample		10/03/22 09:44	10/11/22 19:18	1
Manganese	**0.991**	**J**	1.50	0.180	ug/Sample		10/03/22 09:44	10/11/22 19:18	1
Nickel	**0.541**	**J**	4.00	0.260	ug/Sample		10/03/22 09:44	10/11/22 19:18	1
Selenium	ND		1.00	0.390	ug/Sample		10/03/22 09:44	10/11/22 19:18	1

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.400	0.120	ug/Sample		10/05/22 14:00	10/06/22 16:02	1

Client Sample ID: UNIT_2-5-29_FO_RUN3_CONT 5A
Lab Sample ID: 140-29044-19

Date Collected: 09/27/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.400	0.120	ug/Sample		10/04/22 08:00	10/05/22 14:54	1

Client Sample ID: UNIT_2-5-29_FO_RUN3_CONT 5B
Lab Sample ID: 140-29044-20

Date Collected: 09/27/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.150	0.0450	ug/Sample		10/04/22 08:00	10/05/22 16:33	1

Client Sample ID: UNIT_2-5-29_FO_RUN3_CONT 5C
Lab Sample ID: 140-29044-21

Date Collected: 09/27/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.275	0.121	ug/Sample		10/05/22 08:00	10/06/22 13:44	1

Client Sample ID: UNIT_2-5-29_FO_RUN4_CONT 1
Lab Sample ID: 140-29044-22

Date Collected: 09/27/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulates, Total (EPA 5)	ND		0.500	0.500	mg/sample			10/03/22 17:25	1

Client Sample Results

Client: TRC Environmental Corporation
Job ID: 140-29044-1
Project/Site: Georgia Power Mcintosh ICR-Unit 2 FO M5/M29

Client Sample ID: UNIT_2-5-29_FO_RUN4_CONT 2
Lab Sample ID: 140-29044-23
Date Collected: 09/27/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulates, Total (EPA 5)	0.955		0.500	0.500	mg/sample			10/03/22 17:25	1

Client Sample ID: UNIT_2-5-29_FO_RUN4_CONT 1,2,3
Lab Sample ID: 140-29044-24
Date Collected: 09/27/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/6010C - Metals (ICP), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1.11	J	6.00	1.10	ug/Sample		10/05/22 09:15	10/12/22 16:46	1
Arsenic	ND		2.00	1.78	ug/Sample		10/05/22 09:15	10/13/22 15:43	2
Beryllium	ND		0.500	0.0160	ug/Sample		10/05/22 09:15	10/12/22 16:46	1
Cadmium	ND		0.500	0.280	ug/Sample		10/05/22 09:15	10/12/22 16:46	1
Chromium	4.43		1.00	0.190	ug/Sample		10/05/22 09:15	10/12/22 16:46	1
Cobalt	ND		10.0	2.00	ug/Sample		10/05/22 09:15	10/13/22 15:43	2
Lead	ND		2.00	0.940	ug/Sample		10/05/22 09:15	10/13/22 15:43	2
Manganese	1.12	J	1.50	0.120	ug/Sample		10/05/22 09:15	10/12/22 16:46	1
Nickel	1.15	J	8.00	0.500	ug/Sample		10/05/22 09:15	10/13/22 15:43	2
Selenium	ND		2.00	1.32	ug/Sample		10/05/22 09:15	10/13/22 15:43	2

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.0840	ug/Sample		10/05/22 09:15	10/12/22 15:07	1

Client Sample ID: UNIT_2-5-29_FO_RUN4_CONT 4
Lab Sample ID: 140-29044-25
Date Collected: 09/27/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/6010C - Metals (ICP), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		6.00	0.840	ug/Sample		10/03/22 09:44	10/11/22 19:23	1
Arsenic	ND		1.00	0.180	ug/Sample		10/03/22 09:44	10/11/22 19:23	1
Beryllium	ND		0.500	0.0470	ug/Sample		10/03/22 09:44	10/11/22 19:23	1
Cadmium	ND		0.500	0.0180	ug/Sample		10/03/22 09:44	10/11/22 19:23	1
Chromium	0.391	J	1.00	0.180	ug/Sample		10/03/22 09:44	10/11/22 19:23	1
Cobalt	ND		5.00	0.100	ug/Sample		10/03/22 09:44	10/11/22 19:23	1
Lead	ND		1.00	0.480	ug/Sample		10/03/22 09:44	10/11/22 19:23	1
Manganese	2.63		1.50	0.180	ug/Sample		10/03/22 09:44	10/11/22 19:23	1
Nickel	ND		4.00	0.260	ug/Sample		10/03/22 09:44	10/11/22 19:23	1
Selenium	0.597	J	1.00	0.390	ug/Sample		10/03/22 09:44	10/11/22 19:23	1

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.400	0.120	ug/Sample		10/05/22 14:00	10/06/22 16:05	1

Client Sample ID: UNIT_2-5-29_FO_RUN4_CONT 5A
Lab Sample ID: 140-29044-26
Date Collected: 09/27/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.400	0.120	ug/Sample		10/04/22 08:00	10/05/22 14:57	1

Client Sample ID: UNIT_2-5-29_FO_RUN4_CONT 5B
Lab Sample ID: 140-29044-27
Date Collected: 09/27/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.150	0.0450	ug/Sample		10/04/22 08:00	10/05/22 16:36	1

Client Sample ID: UNIT_2-5-29_FO_RUN4_CONT 5C
Lab Sample ID: 140-29044-28
Date Collected: 09/27/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.300	0.132	ug/Sample		10/05/22 08:00	10/06/22 13:47	1

Client Sample ID: UNIT_2-5-29_FO_RUN5_CONT 1
Lab Sample ID: 140-29044-29
Date Collected: 09/27/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulates, Total (EPA 5)	ND		0.500	0.500	mg/sample			10/03/22 17:25	1

Client Sample ID: UNIT_2-5-29_FO_RUN5_CONT 2
Lab Sample ID: 140-29044-30
Date Collected: 09/27/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulates, Total (EPA 5)	**1.31**		0.500	0.500	mg/sample			10/03/22 17:25	1

Client Sample ID: UNIT_2-5-29_FO_RUN5_CONT 1,2,3
Lab Sample ID: 140-29044-31
Date Collected: 09/27/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/6010C - Metals (ICP), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**1.33**	**J**	6.00	1.10	ug/Sample		10/05/22 09:15	10/12/22 16:52	1
Arsenic	ND		2.00	1.78	ug/Sample		10/05/22 09:15	10/13/22 15:48	2
Beryllium	ND		0.500	0.0160	ug/Sample		10/05/22 09:15	10/12/22 16:52	1
Cadmium	ND		0.500	0.280	ug/Sample		10/05/22 09:15	10/12/22 16:52	1
Chromium	**5.52**		1.00	0.190	ug/Sample		10/05/22 09:15	10/12/22 16:52	1
Cobalt	**3.84**	**J**	10.0	2.00	ug/Sample		10/05/22 09:15	10/13/22 15:48	2

Client Sample ID: UNIT_2-5-29_FO_RUN5_CONT 1,2,3
Lab Sample ID: 140-29044-31

Date Collected: 09/27/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/6010C - Metals (ICP), Stationary Source (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.00	0.940	ug/Sample		10/05/22 09:15	10/13/22 15:48	2
Manganese	**1.24**	**J**	1.50	0.120	ug/Sample		10/05/22 09:15	10/12/22 16:52	1
Nickel	**7.49**	**J**	8.00	0.500	ug/Sample		10/05/22 09:15	10/13/22 15:48	2
Selenium	ND		2.00	1.32	ug/Sample		10/05/22 09:15	10/13/22 15:48	2

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.0840	ug/Sample		10/05/22 09:15	10/12/22 15:10	1

Client Sample ID: UNIT_2-5-29_FO_RUN5_CONT 4
Lab Sample ID: 140-29044-32

Date Collected: 09/27/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/6010C - Metals (ICP), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		6.00	0.840	ug/Sample		10/03/22 09:44	10/11/22 19:42	1
Arsenic	ND		1.00	0.180	ug/Sample		10/03/22 09:44	10/11/22 19:42	1
Beryllium	ND		0.500	0.0470	ug/Sample		10/03/22 09:44	10/11/22 19:42	1
Cadmium	ND		0.500	0.0180	ug/Sample		10/03/22 09:44	10/11/22 19:42	1
Chromium	**0.937**	**J**	1.00	0.180	ug/Sample		10/03/22 09:44	10/11/22 19:42	1
Cobalt	ND		5.00	0.100	ug/Sample		10/03/22 09:44	10/11/22 19:42	1
Lead	ND		1.00	0.480	ug/Sample		10/03/22 09:44	10/11/22 19:42	1
Manganese	**7.73**		1.50	0.180	ug/Sample		10/03/22 09:44	10/11/22 19:42	1
Nickel	ND		4.00	0.260	ug/Sample		10/03/22 09:44	10/11/22 19:42	1
Selenium	ND		1.00	0.390	ug/Sample		10/03/22 09:44	10/11/22 19:42	1

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.400	0.120	ug/Sample		10/05/22 14:00	10/06/22 16:07	1

Client Sample ID: UNIT_2-5-29_FO_RUN5_CONT 5A
Lab Sample ID: 140-29044-33

Date Collected: 09/27/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.400	0.120	ug/Sample		10/04/22 08:00	10/05/22 14:59	1

Client Sample ID: UNIT_2-5-29_FO_RUN5_CONT 5B
Lab Sample ID: 140-29044-34

Date Collected: 09/27/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.150	0.0450	ug/Sample		10/04/22 08:00	10/05/22 16:38	1

Client: TRC Environmental Corporation
Job ID: 140-29044-1
Project/Site: Georgia Power Mcintosh ICR-Unit 2 FO M5/M29

Client Sample ID: UNIT_2-5-29_FO_RUN5_CONT 5C
Lab Sample ID: 140-29044-35
Date Collected: 09/27/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.285	0.125	ug/Sample		10/05/22 08:00	10/06/22 13:49	1

Client Sample ID: FTB-5-29_FO_CONT 1
Lab Sample ID: 140-29044-36
Date Collected: 09/27/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulates, Total (EPA 5)	1.06		0.500	0.500	mg/sample			10/03/22 17:25	1

Client Sample ID: FTB-5-29_FO_CONT 2
Lab Sample ID: 140-29044-37
Date Collected: 09/27/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulates, Total (EPA 5)	0.870		0.500	0.500	mg/sample			10/03/22 17:25	1

Client Sample ID: FTB-5-29_FO_CONT 1,2,3
Lab Sample ID: 140-29044-38
Date Collected: 09/27/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/6010C - Metals (ICP), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1.30	J	6.00	1.10	ug/Sample		10/05/22 09:15	10/12/22 16:57	1
Arsenic	ND		2.00	1.78	ug/Sample		10/05/22 09:15	10/13/22 15:53	2
Beryllium	ND		0.500	0.0160	ug/Sample		10/05/22 09:15	10/12/22 16:57	1
Cadmium	ND		0.500	0.280	ug/Sample		10/05/22 09:15	10/12/22 16:57	1
Chromium	2.51		1.00	0.190	ug/Sample		10/05/22 09:15	10/12/22 16:57	1
Cobalt	ND		10.0	2.00	ug/Sample		10/05/22 09:15	10/13/22 15:53	2
Lead	ND		2.00	0.940	ug/Sample		10/05/22 09:15	10/13/22 15:53	2
Manganese	0.866	J	1.50	0.120	ug/Sample		10/05/22 09:15	10/12/22 16:57	1
Nickel	0.754	J	8.00	0.500	ug/Sample		10/05/22 09:15	10/13/22 15:53	2
Selenium	ND		2.00	1.32	ug/Sample		10/05/22 09:15	10/13/22 15:53	2

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.0840	ug/Sample		10/05/22 09:15	10/12/22 15:12	1

Client Sample ID: FTB-5-29_FO_CONT 4
Lab Sample ID: 140-29044-39
Date Collected: 09/27/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/6010C - Metals (ICP), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		6.00	0.840	ug/Sample		10/03/22 09:44	10/11/22 19:47	1
Arsenic	ND		1.00	0.180	ug/Sample		10/03/22 09:44	10/11/22 19:47	1

Client Sample ID: FTB-5-29_FO_CONT 4
Lab Sample ID: 140-29044-39
Date Collected: 09/27/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/6010C - Metals (ICP), Stationary Source (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	ND		0.500	0.0470	ug/Sample		10/03/22 09:44	10/11/22 19:47	1
Cadmium	ND		0.500	0.0180	ug/Sample		10/03/22 09:44	10/11/22 19:47	1
Chromium	**0.203**	**J**	1.00	0.180	ug/Sample		10/03/22 09:44	10/11/22 19:47	1
Cobalt	ND		5.00	0.100	ug/Sample		10/03/22 09:44	10/11/22 19:47	1
Lead	ND		1.00	0.480	ug/Sample		10/03/22 09:44	10/11/22 19:47	1
Manganese	**0.318**	**J**	1.50	0.180	ug/Sample		10/03/22 09:44	10/11/22 19:47	1
Nickel	ND		4.00	0.260	ug/Sample		10/03/22 09:44	10/11/22 19:47	1
Selenium	ND		1.00	0.390	ug/Sample		10/03/22 09:44	10/11/22 19:47	1

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.400	0.120	ug/Sample		10/05/22 14:00	10/06/22 16:10	1

Client Sample ID: FTB-5-29_FO_CONT 5A
Lab Sample ID: 140-29044-40
Date Collected: 09/27/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.400	0.120	ug/Sample		10/04/22 08:00	10/05/22 15:02	1

Client Sample ID: FTB-5-29_FO_CONT 5B
Lab Sample ID: 140-29044-41
Date Collected: 09/27/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0400	0.0120	ug/Sample		10/04/22 08:00	10/05/22 16:41	1

Client Sample ID: FTB-5-29_FO_CONT 5C
Lab Sample ID: 140-29044-42
Date Collected: 09/27/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.270	0.119	ug/Sample		10/05/22 08:00	10/06/22 13:52	1

Client Sample ID: C-1555 M5/M29 MEDIA CHECK FILTER
Lab Sample ID: 140-29044-43
Date Collected: 09/26/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/6010C - Metals (ICP), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**1.11**	**J**	6.00	1.10	ug/Sample		10/05/22 09:15	10/12/22 17:02	1
Arsenic	ND		2.00	1.78	ug/Sample		10/05/22 09:15	10/13/22 15:58	2
Beryllium	ND		0.500	0.0160	ug/Sample		10/05/22 09:15	10/12/22 17:02	1
Cadmium	ND		0.500	0.280	ug/Sample		10/05/22 09:15	10/12/22 17:02	1

Client Sample Results

Client: TRC Environmental Corporation
Job ID: 140-29044-1
Project/Site: Georgia Power Mcintosh ICR-Unit 2 FO M5/M29

Client Sample ID: C-1555 M5/M29 MEDIA CHECK FILTER **Lab Sample ID: 140-29044-43**
Date Collected: 09/26/22 00:00 **Matrix: Air**
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/6010C - Metals (ICP), Stationary Source (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	**1.81**		1.00	0.190	ug/Sample		10/05/22 09:15	10/12/22 17:02	1
Cobalt	ND		10.0	2.00	ug/Sample		10/05/22 09:15	10/13/22 15:58	2
Lead	ND		2.00	0.940	ug/Sample		10/05/22 09:15	10/13/22 15:58	2
Manganese	**0.624**	**J**	1.50	0.120	ug/Sample		10/05/22 09:15	10/12/22 17:02	1
Nickel	ND		8.00	0.500	ug/Sample		10/05/22 09:15	10/13/22 15:58	2
Selenium	ND		2.00	1.32	ug/Sample		10/05/22 09:15	10/13/22 15:58	2

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.0840	ug/Sample		10/05/22 09:15	10/12/22 15:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulates, Total (EPA 5)	**0.880**		0.500	0.500	mg/sample			10/03/22 17:25	1

Default Detection Limits

Client: TRC Environmental Corporation
Job ID: 140-29044-1
Project/Site: Georgia Power Mcintosh ICR-Unit 2 FO M5/M29

Method: 29/6010C - Metals (ICP), Stationary Source
Prep: AT Prep (BH)

Analyte	RL	MDL	Units
Antimony	6.00	0.840	ug/Sample
Arsenic	1.00	0.180	ug/Sample
Beryllium	0.500	0.0470	ug/Sample
Cadmium	0.500	0.0180	ug/Sample
Chromium	1.00	0.180	ug/Sample
Cobalt	5.00	0.100	ug/Sample
Lead	1.00	0.480	ug/Sample
Manganese	1.50	0.180	ug/Sample
Nickel	4.00	0.260	ug/Sample
Selenium	1.00	0.390	ug/Sample

Method: 29/6010C - Metals (ICP), Stationary Source
Prep: AT Prep (FH)

Analyte	RL	MDL	Units
Antimony	6.00	1.10	ug/Sample
Arsenic	1.00	0.890	ug/Sample
Beryllium	0.500	0.0160	ug/Sample
Cadmium	0.500	0.280	ug/Sample
Chromium	1.00	0.190	ug/Sample
Cobalt	5.00	1.00	ug/Sample
Lead	1.00	0.470	ug/Sample
Manganese	1.50	0.120	ug/Sample
Nickel	4.00	0.250	ug/Sample
Selenium	1.00	0.660	ug/Sample

Method: 29/7470A - Mercury (CVAA), Stationary Source
Prep: AT Prep (BH)

Analyte	RL	MDL	Units
Mercury	0.400	0.120	ug/Sample

Method: 29/7470A - Mercury (CVAA), Stationary Source
Prep: AT Prep (Empty)

Analyte	RL	MDL	Units
Mercury	0.200	0.0600	ug/Sample

Method: 29/7470A - Mercury (CVAA), Stationary Source
Prep: AT Prep (FH)

Analyte	RL	MDL	Units
Mercury	0.200	0.0840	ug/Sample

Method: 29/7470A - Mercury (CVAA), Stationary Source
Prep: AT Prep (HCl)

Analyte	RL	MDL	Units
Mercury	0.0500	0.0220	ug/Sample

Method: 29/7470A - Mercury (CVAA), Stationary Source
Prep: AT Prep (KMnO4)

Analyte	RL	MDL	Units
Mercury	0.0200	0.00600	ug/Sample

Default Detection Limits

Client: TRC Environmental Corporation
Job ID: 140-29044-1
Project/Site: Georgia Power Mcintosh ICR-Unit 2 FO M5/M29

General Chemistry

Analyte	RL	MDL	Units
Particulates, Total	0.500	0.500	mg/sample

Client: TRC Environmental Corporation
Job ID: 140-29044-1
Project/Site: Georgia Power Mcintosh ICR-Unit 2 FO M5/M29

Method: 29/6010C - Metals (ICP), Stationary Source

Lab Sample ID: MB 140-65922/3-A
Matrix: Air
Analysis Batch: 66250

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 65922

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		6.00	0.840	ug/Sample		10/03/22 09:44	10/11/22 14:20	1
Arsenic	ND		1.00	0.180	ug/Sample		10/03/22 09:44	10/11/22 14:20	1
Beryllium	ND		0.500	0.0470	ug/Sample		10/03/22 09:44	10/11/22 14:20	1
Cadmium	ND		0.500	0.0180	ug/Sample		10/03/22 09:44	10/11/22 14:20	1
Chromium	ND		1.00	0.180	ug/Sample		10/03/22 09:44	10/11/22 14:20	1
Cobalt	ND		5.00	0.100	ug/Sample		10/03/22 09:44	10/11/22 14:20	1
Lead	ND		1.00	0.480	ug/Sample		10/03/22 09:44	10/11/22 14:20	1
Manganese	ND		1.50	0.180	ug/Sample		10/03/22 09:44	10/11/22 14:20	1
Nickel	ND		4.00	0.260	ug/Sample		10/03/22 09:44	10/11/22 14:20	1
Selenium	ND		1.00	0.390	ug/Sample		10/03/22 09:44	10/11/22 14:20	1

Lab Sample ID: LCS 140-65922/4-A
Matrix: Air
Analysis Batch: 66250

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 65922

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	50.0	48.70		ug/Sample		97	80 - 120
Arsenic	10.0	9.762		ug/Sample		98	80 - 120
Beryllium	5.00	5.248		ug/Sample		105	80 - 120
Cadmium	5.00	5.003		ug/Sample		100	80 - 120
Chromium	20.0	20.43		ug/Sample		102	80 - 120
Cobalt	10.0	10.08		ug/Sample		101	80 - 120
Lead	10.0	9.818		ug/Sample		98	80 - 120
Manganese	10.0	9.834		ug/Sample		98	80 - 120
Nickel	50.0	51.10		ug/Sample		102	80 - 120
Selenium	15.0	14.06		ug/Sample		94	80 - 120

Lab Sample ID: LCSD 140-65922/5-A
Matrix: Air
Analysis Batch: 66250

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 65922

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	50.0	49.23		ug/Sample		98	80 - 120	1	20
Arsenic	10.0	10.06		ug/Sample		101	80 - 120	3	20
Beryllium	5.00	5.331		ug/Sample		107	80 - 120	2	20
Cadmium	5.00	5.047		ug/Sample		101	80 - 120	1	20
Chromium	20.0	20.71		ug/Sample		104	80 - 120	1	20
Cobalt	10.0	10.16		ug/Sample		102	80 - 120	1	20
Lead	10.0	10.03		ug/Sample		100	80 - 120	2	20
Manganese	10.0	9.991		ug/Sample		100	80 - 120	2	20
Nickel	50.0	52.19		ug/Sample		104	80 - 120	2	20
Selenium	15.0	14.40		ug/Sample		96	80 - 120	2	20

Lab Sample ID: MB 140-66006/1-A
Matrix: Air
Analysis Batch: 66288

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 66006

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		6.00	1.10	ug/Sample		10/05/22 09:15	10/12/22 12:31	1

Method: 29/6010C - Metals (ICP), Stationary Source (Continued)

Lab Sample ID: MB 140-66006/1-A
Matrix: Air
Analysis Batch: 66288

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 66006

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.00	0.890	ug/Sample		10/05/22 09:15	10/12/22 12:31	1
Beryllium	ND		0.500	0.0160	ug/Sample		10/05/22 09:15	10/12/22 12:31	1
Cadmium	ND		0.500	0.280	ug/Sample		10/05/22 09:15	10/12/22 12:31	1
Chromium	ND		1.00	0.190	ug/Sample		10/05/22 09:15	10/12/22 12:31	1
Cobalt	ND		5.00	1.00	ug/Sample		10/05/22 09:15	10/12/22 12:31	1
Lead	ND		1.00	0.470	ug/Sample		10/05/22 09:15	10/12/22 12:31	1
Manganese	ND		1.50	0.120	ug/Sample		10/05/22 09:15	10/12/22 12:31	1
Nickel	ND		4.00	0.250	ug/Sample		10/05/22 09:15	10/12/22 12:31	1
Selenium	ND		1.00	0.660	ug/Sample		10/05/22 09:15	10/12/22 12:31	1

Lab Sample ID: LCS 140-66006/2-A
Matrix: Air
Analysis Batch: 66288

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 66006

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	50.0	51.22		ug/Sample		102	80 - 120
Arsenic	10.0	10.71		ug/Sample		107	80 - 120
Beryllium	5.00	5.360		ug/Sample		107	80 - 120
Cadmium	5.00	5.250		ug/Sample		105	80 - 120
Chromium	20.0	21.69		ug/Sample		108	80 - 120
Cobalt	10.0	10.54		ug/Sample		105	80 - 120
Lead	10.0	10.40		ug/Sample		104	80 - 120
Manganese	10.0	10.48		ug/Sample		105	80 - 120
Nickel	50.0	53.75		ug/Sample		108	80 - 120
Selenium	15.0	14.46		ug/Sample		96	80 - 120

Lab Sample ID: LCSD 140-66006/3-A
Matrix: Air
Analysis Batch: 66288

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 66006

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	50.0	50.58		ug/Sample		101	80 - 120	1	20
Arsenic	10.0	10.61		ug/Sample		106	80 - 120	1	20
Beryllium	5.00	5.263		ug/Sample		105	80 - 120	2	20
Cadmium	5.00	5.165		ug/Sample		103	80 - 120	2	20
Chromium	20.0	21.33		ug/Sample		107	80 - 120	2	20
Cobalt	10.0	10.42		ug/Sample		104	80 - 120	1	20
Lead	10.0	10.38		ug/Sample		104	80 - 120	0	20
Manganese	10.0	10.29		ug/Sample		103	80 - 120	2	20
Nickel	50.0	52.98		ug/Sample		106	80 - 120	1	20
Selenium	15.0	14.31		ug/Sample		95	80 - 120	1	20

Method: 29/7470A - Mercury (CVAA), Stationary Source

Lab Sample ID: MB 140-65868/1-B
Matrix: Air
Analysis Batch: 66043

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 65933

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.0600	ug/Sample		10/04/22 08:00	10/05/22 14:13	1

QC Sample Results

Client: TRC Environmental Corporation
Project/Site: Georgia Power Mcintosh ICR-Unit 2 FO M5/M29

Job ID: 140-29044-1

Method: 29/7470A - Mercury (CVAA), Stationary Source

Lab Sample ID: LCS 140-65868/2-B
Matrix: Air
Analysis Batch: 66043

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 65933

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	5.00	5.397		ug/Sample		108	80 - 120

Lab Sample ID: MB 140-65871/1-B
Matrix: Air
Analysis Batch: 66043

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 65936

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0200	0.00600	ug/Sample		10/04/22 08:00	10/05/22 15:58	1

Lab Sample ID: LCS 140-65871/2-B
Matrix: Air
Analysis Batch: 66043

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 65936

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.500	0.4764		ug/Sample		95	80 - 120

Lab Sample ID: MB 140-65873/1-B
Matrix: Air
Analysis Batch: 66078

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 65991

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0500	0.0220	ug/Sample		10/05/22 08:00	10/06/22 13:03	1

Lab Sample ID: LCS 140-65873/2-B
Matrix: Air
Analysis Batch: 66078

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 65991

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	1.25	1.358		ug/Sample		109	80 - 120

Lab Sample ID: MB 140-66006/1-B
Matrix: Air
Analysis Batch: 66275

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 66006

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.0840	ug/Sample		10/05/22 09:15	10/12/22 14:17	1

Lab Sample ID: LCS 140-66006/2-B
Matrix: Air
Analysis Batch: 66275

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 66006

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	5.00	5.741		ug/Sample		115	80 - 120

Lab Sample ID: LCSD 140-66006/3-B
Matrix: Air
Analysis Batch: 66275

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 66006

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	5.00	5.792		ug/Sample		116	80 - 120	1	20

QC Sample Results

Client: TRC Environmental Corporation
Project/Site: Georgia Power Mcintosh ICR-Unit 2 FO M5/M29

Job ID: 140-29044-1

Method: 29/7470A - Mercury (CVAA), Stationary Source

Lab Sample ID: MB 140-66024/1-B
Matrix: Air
Analysis Batch: 66078

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 66028

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.400	0.120	ug/Sample		10/05/22 14:00	10/06/22 15:47	1

Lab Sample ID: LCS 140-66024/2-B
Matrix: Air
Analysis Batch: 66078

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 66028

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	10.0	10.41		ug/Sample		104	80 - 120

QC Association Summary

Client: TRC Environmental Corporation
Job ID: 140-29044-1
Project/Site: Georgia Power Mcintosh ICR-Unit 2 FO M5/M29

Metals

Pre Prep Batch: 65868

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-29044-5	UNIT_2-5-29_FO_RUN1_CONT 5A	Total/NA	Air	Air Train Vol.	
140-29044-12	UNIT_2-5-29_FO_RUN2_CONT 5A	Total/NA	Air	Air Train Vol.	
140-29044-19	UNIT_2-5-29_FO_RUN3_CONT 5A	Total/NA	Air	Air Train Vol.	
140-29044-26	UNIT_2-5-29_FO_RUN4_CONT 5A	Total/NA	Air	Air Train Vol.	
140-29044-33	UNIT_2-5-29_FO_RUN5_CONT 5A	Total/NA	Air	Air Train Vol.	
140-29044-40	FTB-5-29_FO_CONT 5A	Total/NA	Air	Air Train Vol.	
MB 140-65868/1-B	Method Blank	Total/NA	Air	Air Train Vol.	
LCS 140-65868/2-B	Lab Control Sample	Total/NA	Air	Air Train Vol.	

Pre Prep Batch: 65871

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-29044-6	UNIT_2-5-29_FO_RUN1_CONT 5B	Total/NA	Air	Air Train Vol.	
140-29044-13	UNIT_2-5-29_FO_RUN2_CONT 5B	Total/NA	Air	Air Train Vol.	
140-29044-20	UNIT_2-5-29_FO_RUN3_CONT 5B	Total/NA	Air	Air Train Vol.	
140-29044-27	UNIT_2-5-29_FO_RUN4_CONT 5B	Total/NA	Air	Air Train Vol.	
140-29044-34	UNIT_2-5-29_FO_RUN5_CONT 5B	Total/NA	Air	Air Train Vol.	
140-29044-41	FTB-5-29_FO_CONT 5B	Total/NA	Air	Air Train Vol.	
MB 140-65871/1-B	Method Blank	Total/NA	Air	Air Train Vol.	
LCS 140-65871/2-B	Lab Control Sample	Total/NA	Air	Air Train Vol.	

Pre Prep Batch: 65873

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-29044-7	UNIT_2-5-29_FO_RUN1_CONT 5C	Total/NA	Air	Air Train Vol.	
140-29044-14	UNIT_2-5-29_FO_RUN2_CONT 5C	Total/NA	Air	Air Train Vol.	
140-29044-21	UNIT_2-5-29_FO_RUN3_CONT 5C	Total/NA	Air	Air Train Vol.	
140-29044-28	UNIT_2-5-29_FO_RUN4_CONT 5C	Total/NA	Air	Air Train Vol.	
140-29044-35	UNIT_2-5-29_FO_RUN5_CONT 5C	Total/NA	Air	Air Train Vol.	
140-29044-42	FTB-5-29_FO_CONT 5C	Total/NA	Air	Air Train Vol.	
MB 140-65873/1-B	Method Blank	Total/NA	Air	Air Train Vol.	
LCS 140-65873/2-B	Lab Control Sample	Total/NA	Air	Air Train Vol.	

Prep Batch: 65922

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-29044-4	UNIT_2-5-29_FO_RUN1_CONT 4	Total/NA	Air	AT Prep (BH)	
140-29044-11	UNIT_2-5-29_FO_RUN2_CONT 4	Total/NA	Air	AT Prep (BH)	
140-29044-18	UNIT_2-5-29_FO_RUN3_CONT 4	Total/NA	Air	AT Prep (BH)	
140-29044-25	UNIT_2-5-29_FO_RUN4_CONT 4	Total/NA	Air	AT Prep (BH)	
140-29044-32	UNIT_2-5-29_FO_RUN5_CONT 4	Total/NA	Air	AT Prep (BH)	
140-29044-39	FTB-5-29_FO_CONT 4	Total/NA	Air	AT Prep (BH)	
MB 140-65922/3-A	Method Blank	Total/NA	Air	AT Prep (BH)	
LCS 140-65922/4-A	Lab Control Sample	Total/NA	Air	AT Prep (BH)	
LCSD 140-65922/5-A	Lab Control Sample Dup	Total/NA	Air	AT Prep (BH)	

Prep Batch: 65933

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-29044-5	UNIT_2-5-29_FO_RUN1_CONT 5A	Total/NA	Air	AT Prep (Empty)	65868
140-29044-12	UNIT_2-5-29_FO_RUN2_CONT 5A	Total/NA	Air	AT Prep (Empty)	65868
140-29044-19	UNIT_2-5-29_FO_RUN3_CONT 5A	Total/NA	Air	AT Prep (Empty)	65868
140-29044-26	UNIT_2-5-29_FO_RUN4_CONT 5A	Total/NA	Air	AT Prep (Empty)	65868
140-29044-33	UNIT_2-5-29_FO_RUN5_CONT 5A	Total/NA	Air	AT Prep (Empty)	65868
140-29044-40	FTB-5-29_FO_CONT 5A	Total/NA	Air	AT Prep (Empty)	65868

Metals (Continued)

Prep Batch: 65933 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 140-65868/1-B	Method Blank	Total/NA	Air	AT Prep (Empty)	65868
LCS 140-65868/2-B	Lab Control Sample	Total/NA	Air	AT Prep (Empty)	65868

Prep Batch: 65936

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-29044-6	UNIT_2-5-29_FO_RUN1_CONT 5B	Total/NA	Air	AT Prep (KMnO4)	65871
140-29044-13	UNIT_2-5-29_FO_RUN2_CONT 5B	Total/NA	Air	AT Prep (KMnO4)	65871
140-29044-20	UNIT_2-5-29_FO_RUN3_CONT 5B	Total/NA	Air	AT Prep (KMnO4)	65871
140-29044-27	UNIT_2-5-29_FO_RUN4_CONT 5B	Total/NA	Air	AT Prep (KMnO4)	65871
140-29044-34	UNIT_2-5-29_FO_RUN5_CONT 5B	Total/NA	Air	AT Prep (KMnO4)	65871
140-29044-41	FTB-5-29_FO_CONT 5B	Total/NA	Air	AT Prep (KMnO4)	65871
MB 140-65871/1-B	Method Blank	Total/NA	Air	AT Prep (KMnO4)	65871
LCS 140-65871/2-B	Lab Control Sample	Total/NA	Air	AT Prep (KMnO4)	65871

Prep Batch: 65991

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-29044-7	UNIT_2-5-29_FO_RUN1_CONT 5C	Total/NA	Air	AT Prep (HCl)	65873
140-29044-14	UNIT_2-5-29_FO_RUN2_CONT 5C	Total/NA	Air	AT Prep (HCl)	65873
140-29044-21	UNIT_2-5-29_FO_RUN3_CONT 5C	Total/NA	Air	AT Prep (HCl)	65873
140-29044-28	UNIT_2-5-29_FO_RUN4_CONT 5C	Total/NA	Air	AT Prep (HCl)	65873
140-29044-35	UNIT_2-5-29_FO_RUN5_CONT 5C	Total/NA	Air	AT Prep (HCl)	65873
140-29044-42	FTB-5-29_FO_CONT 5C	Total/NA	Air	AT Prep (HCl)	65873
MB 140-65873/1-B	Method Blank	Total/NA	Air	AT Prep (HCl)	65873
LCS 140-65873/2-B	Lab Control Sample	Total/NA	Air	AT Prep (HCl)	65873

Prep Batch: 66006

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-29044-3	UNIT_2-5-29_FO_RUN1_CONT 1,2,3	Total/NA	Air	AT Prep (FH)	
140-29044-10	UNIT_2-5-29_FO_RUN2_CONT 1,2,3	Total/NA	Air	AT Prep (FH)	
140-29044-17	UNIT_2-5-29_FO_RUN3_CONT 1,2,3	Total/NA	Air	AT Prep (FH)	
140-29044-24	UNIT_2-5-29_FO_RUN4_CONT 1,2,3	Total/NA	Air	AT Prep (FH)	
140-29044-31	UNIT_2-5-29_FO_RUN5_CONT 1,2,3	Total/NA	Air	AT Prep (FH)	
140-29044-38	FTB-5-29_FO_CONT 1,2,3	Total/NA	Air	AT Prep (FH)	
140-29044-43	C-1555 M5/M29 MEDIA CHECK FILTER	Total/NA	Air	AT Prep (FH)	
MB 140-66006/1-A	Method Blank	Total/NA	Air	AT Prep (FH)	
MB 140-66006/1-B	Method Blank	Total/NA	Air	AT Prep (FH)	
LCS 140-66006/2-A	Lab Control Sample	Total/NA	Air	AT Prep (FH)	
LCS 140-66006/2-B	Lab Control Sample	Total/NA	Air	AT Prep (FH)	
LCSD 140-66006/3-A	Lab Control Sample Dup	Total/NA	Air	AT Prep (FH)	
LCSD 140-66006/3-B	Lab Control Sample Dup	Total/NA	Air	AT Prep (FH)	

Pre Prep Batch: 66024

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-29044-4	UNIT_2-5-29_FO_RUN1_CONT 4	Total/NA	Air	Air Train Vol.	
140-29044-11	UNIT_2-5-29_FO_RUN2_CONT 4	Total/NA	Air	Air Train Vol.	

QC Association Summary

Client: TRC Environmental Corporation
Job ID: 140-29044-1
Project/Site: Georgia Power Mcintosh ICR-Unit 2 FO M5/M29

Metals (Continued)

Pre Prep Batch: 66024 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-29044-18	UNIT_2-5-29_FO_RUN3_CONT 4	Total/NA	Air	Air Train Vol.	
140-29044-25	UNIT_2-5-29_FO_RUN4_CONT 4	Total/NA	Air	Air Train Vol.	
140-29044-32	UNIT_2-5-29_FO_RUN5_CONT 4	Total/NA	Air	Air Train Vol.	
140-29044-39	FTB-5-29_FO_CONT 4	Total/NA	Air	Air Train Vol.	
MB 140-66024/1-B	Method Blank	Total/NA	Air	Air Train Vol.	
LCS 140-66024/2-B	Lab Control Sample	Total/NA	Air	Air Train Vol.	

Prep Batch: 66028

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-29044-4	UNIT_2-5-29_FO_RUN1_CONT 4	Total/NA	Air	AT Prep (BH)	66024
140-29044-11	UNIT_2-5-29_FO_RUN2_CONT 4	Total/NA	Air	AT Prep (BH)	66024
140-29044-18	UNIT_2-5-29_FO_RUN3_CONT 4	Total/NA	Air	AT Prep (BH)	66024
140-29044-25	UNIT_2-5-29_FO_RUN4_CONT 4	Total/NA	Air	AT Prep (BH)	66024
140-29044-32	UNIT_2-5-29_FO_RUN5_CONT 4	Total/NA	Air	AT Prep (BH)	66024
140-29044-39	FTB-5-29_FO_CONT 4	Total/NA	Air	AT Prep (BH)	66024
MB 140-66024/1-B	Method Blank	Total/NA	Air	AT Prep (BH)	66024
LCS 140-66024/2-B	Lab Control Sample	Total/NA	Air	AT Prep (BH)	66024

Analysis Batch: 66043

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-29044-5	UNIT_2-5-29_FO_RUN1_CONT 5A	Total/NA	Air	29/7470A	65933
140-29044-6	UNIT_2-5-29_FO_RUN1_CONT 5B	Total/NA	Air	29/7470A	65936
140-29044-12	UNIT_2-5-29_FO_RUN2_CONT 5A	Total/NA	Air	29/7470A	65933
140-29044-13	UNIT_2-5-29_FO_RUN2_CONT 5B	Total/NA	Air	29/7470A	65936
140-29044-19	UNIT_2-5-29_FO_RUN3_CONT 5A	Total/NA	Air	29/7470A	65933
140-29044-20	UNIT_2-5-29_FO_RUN3_CONT 5B	Total/NA	Air	29/7470A	65936
140-29044-26	UNIT_2-5-29_FO_RUN4_CONT 5A	Total/NA	Air	29/7470A	65933
140-29044-27	UNIT_2-5-29_FO_RUN4_CONT 5B	Total/NA	Air	29/7470A	65936
140-29044-33	UNIT_2-5-29_FO_RUN5_CONT 5A	Total/NA	Air	29/7470A	65933
140-29044-34	UNIT_2-5-29_FO_RUN5_CONT 5B	Total/NA	Air	29/7470A	65936
140-29044-40	FTB-5-29_FO_CONT 5A	Total/NA	Air	29/7470A	65933
140-29044-41	FTB-5-29_FO_CONT 5B	Total/NA	Air	29/7470A	65936
MB 140-65868/1-B	Method Blank	Total/NA	Air	29/7470A	65933
MB 140-65871/1-B	Method Blank	Total/NA	Air	29/7470A	65936
LCS 140-65868/2-B	Lab Control Sample	Total/NA	Air	29/7470A	65933
LCS 140-65871/2-B	Lab Control Sample	Total/NA	Air	29/7470A	65936

Analysis Batch: 66078

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-29044-4	UNIT_2-5-29_FO_RUN1_CONT 4	Total/NA	Air	29/7470A	66028
140-29044-7	UNIT_2-5-29_FO_RUN1_CONT 5C	Total/NA	Air	29/7470A	65991
140-29044-11	UNIT_2-5-29_FO_RUN2_CONT 4	Total/NA	Air	29/7470A	66028
140-29044-14	UNIT_2-5-29_FO_RUN2_CONT 5C	Total/NA	Air	29/7470A	65991
140-29044-18	UNIT_2-5-29_FO_RUN3_CONT 4	Total/NA	Air	29/7470A	66028
140-29044-21	UNIT_2-5-29_FO_RUN3_CONT 5C	Total/NA	Air	29/7470A	65991
140-29044-25	UNIT_2-5-29_FO_RUN4_CONT 4	Total/NA	Air	29/7470A	66028
140-29044-28	UNIT_2-5-29_FO_RUN4_CONT 5C	Total/NA	Air	29/7470A	65991
140-29044-32	UNIT_2-5-29_FO_RUN5_CONT 4	Total/NA	Air	29/7470A	66028
140-29044-35	UNIT_2-5-29_FO_RUN5_CONT 5C	Total/NA	Air	29/7470A	65991
140-29044-39	FTB-5-29_FO_CONT 4	Total/NA	Air	29/7470A	66028
140-29044-42	FTB-5-29_FO_CONT 5C	Total/NA	Air	29/7470A	65991

Metals (Continued)

Analysis Batch: 66078 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 140-65873/1-B	Method Blank	Total/NA	Air	29/7470A	65991
MB 140-66024/1-B	Method Blank	Total/NA	Air	29/7470A	66028
LCS 140-65873/2-B	Lab Control Sample	Total/NA	Air	29/7470A	65991
LCS 140-66024/2-B	Lab Control Sample	Total/NA	Air	29/7470A	66028

Cleanup Batch: 66179

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-29044-3	UNIT_2-5-29_FO_RUN1_CONT 1,2,3	Total/NA	Air	AT Prep FH	66006
140-29044-10	UNIT_2-5-29_FO_RUN2_CONT 1,2,3	Total/NA	Air	AT Prep FH	66006
140-29044-17	UNIT_2-5-29_FO_RUN3_CONT 1,2,3	Total/NA	Air	AT Prep FH	66006
140-29044-24	UNIT_2-5-29_FO_RUN4_CONT 1,2,3	Total/NA	Air	AT Prep FH	66006
140-29044-31	UNIT_2-5-29_FO_RUN5_CONT 1,2,3	Total/NA	Air	AT Prep FH	66006
140-29044-38	FTB-5-29_FO_CONT 1,2,3	Total/NA	Air	AT Prep FH	66006
140-29044-43	C-1555 M5/M29 MEDIA CHECK FILTER	Total/NA	Air	AT Prep FH	66006
MB 140-66006/1-B	Method Blank	Total/NA	Air	AT Prep FH	66006
LCS 140-66006/2-B	Lab Control Sample	Total/NA	Air	AT Prep FH	66006
LCSD 140-66006/3-B	Lab Control Sample Dup	Total/NA	Air	AT Prep FH	66006

Analysis Batch: 66250

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-29044-4	UNIT_2-5-29_FO_RUN1_CONT 4	Total/NA	Air	29/6010C	65922
140-29044-11	UNIT_2-5-29_FO_RUN2_CONT 4	Total/NA	Air	29/6010C	65922
140-29044-18	UNIT_2-5-29_FO_RUN3_CONT 4	Total/NA	Air	29/6010C	65922
140-29044-25	UNIT_2-5-29_FO_RUN4_CONT 4	Total/NA	Air	29/6010C	65922
140-29044-32	UNIT_2-5-29_FO_RUN5_CONT 4	Total/NA	Air	29/6010C	65922
140-29044-39	FTB-5-29_FO_CONT 4	Total/NA	Air	29/6010C	65922
MB 140-65922/3-A	Method Blank	Total/NA	Air	29/6010C	65922
LCS 140-65922/4-A	Lab Control Sample	Total/NA	Air	29/6010C	65922
LCSD 140-65922/5-A	Lab Control Sample Dup	Total/NA	Air	29/6010C	65922

Analysis Batch: 66275

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-29044-3	UNIT_2-5-29_FO_RUN1_CONT 1,2,3	Total/NA	Air	29/7470A	66179
140-29044-10	UNIT_2-5-29_FO_RUN2_CONT 1,2,3	Total/NA	Air	29/7470A	66179
140-29044-17	UNIT_2-5-29_FO_RUN3_CONT 1,2,3	Total/NA	Air	29/7470A	66179
140-29044-24	UNIT_2-5-29_FO_RUN4_CONT 1,2,3	Total/NA	Air	29/7470A	66179
140-29044-31	UNIT_2-5-29_FO_RUN5_CONT 1,2,3	Total/NA	Air	29/7470A	66179
140-29044-38	FTB-5-29_FO_CONT 1,2,3	Total/NA	Air	29/7470A	66179
140-29044-43	C-1555 M5/M29 MEDIA CHECK FILTER	Total/NA	Air	29/7470A	66179
MB 140-66006/1-B	Method Blank	Total/NA	Air	29/7470A	66179
LCS 140-66006/2-B	Lab Control Sample	Total/NA	Air	29/7470A	66179
LCSD 140-66006/3-B	Lab Control Sample Dup	Total/NA	Air	29/7470A	66179

Analysis Batch: 66288

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-29044-3	UNIT_2-5-29_FO_RUN1_CONT 1,2,3	Total/NA	Air	29/6010C	66006
140-29044-10	UNIT_2-5-29_FO_RUN2_CONT 1,2,3	Total/NA	Air	29/6010C	66006
140-29044-17	UNIT_2-5-29_FO_RUN3_CONT 1,2,3	Total/NA	Air	29/6010C	66006
140-29044-24	UNIT_2-5-29_FO_RUN4_CONT 1,2,3	Total/NA	Air	29/6010C	66006
140-29044-31	UNIT_2-5-29_FO_RUN5_CONT 1,2,3	Total/NA	Air	29/6010C	66006
140-29044-38	FTB-5-29_FO_CONT 1,2,3	Total/NA	Air	29/6010C	66006

Metals (Continued)

Analysis Batch: 66288 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-29044-43	C-1555 M5/M29 MEDIA CHECK FILTER	Total/NA	Air	29/6010C	66006
MB 140-66006/1-A	Method Blank	Total/NA	Air	29/6010C	66006
LCS 140-66006/2-A	Lab Control Sample	Total/NA	Air	29/6010C	66006
LCSD 140-66006/3-A	Lab Control Sample Dup	Total/NA	Air	29/6010C	66006

Analysis Batch: 66319

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-29044-3	UNIT_2-5-29_FO_RUN1_CONT 1,2,3	Total/NA	Air	29/6010C	66006
140-29044-10	UNIT_2-5-29_FO_RUN2_CONT 1,2,3	Total/NA	Air	29/6010C	66006
140-29044-17	UNIT_2-5-29_FO_RUN3_CONT 1,2,3	Total/NA	Air	29/6010C	66006
140-29044-24	UNIT_2-5-29_FO_RUN4_CONT 1,2,3	Total/NA	Air	29/6010C	66006
140-29044-31	UNIT_2-5-29_FO_RUN5_CONT 1,2,3	Total/NA	Air	29/6010C	66006
140-29044-38	FTB-5-29_FO_CONT 1,2,3	Total/NA	Air	29/6010C	66006
140-29044-43	C-1555 M5/M29 MEDIA CHECK FILTER	Total/NA	Air	29/6010C	66006

General Chemistry

Analysis Batch: 65953

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-29044-1	UNIT_2-5-29_FO_RUN1_CONT 1	Total/NA	Air	5	
140-29044-2	UNIT_2-5-29_FO_RUN1_CONT 2	Total/NA	Air	5	
140-29044-8	UNIT_2-5-29_FO_RUN2_CONT 1	Total/NA	Air	5	
140-29044-9	UNIT_2-5-29_FO_RUN2_CONT 2	Total/NA	Air	5	
140-29044-15	UNIT_2-5-29_FO_RUN3_CONT 1	Total/NA	Air	5	
140-29044-16	UNIT_2-5-29_FO_RUN3_CONT 2	Total/NA	Air	5	
140-29044-22	UNIT_2-5-29_FO_RUN4_CONT 1	Total/NA	Air	5	
140-29044-23	UNIT_2-5-29_FO_RUN4_CONT 2	Total/NA	Air	5	
140-29044-29	UNIT_2-5-29_FO_RUN5_CONT 1	Total/NA	Air	5	
140-29044-30	UNIT_2-5-29_FO_RUN5_CONT 2	Total/NA	Air	5	
140-29044-36	FTB-5-29_FO_CONT 1	Total/NA	Air	5	
140-29044-37	FTB-5-29_FO_CONT 2	Total/NA	Air	5	
140-29044-43	C-1555 M5/M29 MEDIA CHECK FILTER	Total/NA	Air	5	

Lab Chronicle

Client: TRC Environmental Corporation
Job ID: 140-29044-1
Project/Site: Georgia Power Mcintosh ICR-Unit 2 FO M5/M29

Client Sample ID: UNIT_2-5-29_FO_RUN1_CONT 1
Lab Sample ID: 140-29044-1
Date Collected: 09/26/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	5		1			65953	10/03/22 17:25	SJF	EET KNX
	Instrument ID: NOEQUIP									

Client Sample ID: UNIT_2-5-29_FO_RUN1_CONT 2
Lab Sample ID: 140-29044-2
Date Collected: 09/26/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	5		1			65953	10/03/22 17:25	SJF	EET KNX
	Instrument ID: NOEQUIP									

Client Sample ID: UNIT_2-5-29_FO_RUN1_CONT 1,2,3
Lab Sample ID: 140-29044-3
Date Collected: 09/26/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66288	10/12/22 16:31	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Analysis	29/6010C		2			66319	10/13/22 15:27	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Cleanup	AT Prep FH			5.00 mL	50.0 mL	66179	10/11/22 08:30	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66275	10/12/22 15:00	WRL	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_2-5-29_FO_RUN1_CONT 4
Lab Sample ID: 140-29044-4
Date Collected: 09/26/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (BH)			1 Sample	100 mL	65922	10/03/22 09:44	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66250	10/11/22 19:08	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Pre Prep	Air Train Vol.			1 Sample	100 mL	66024	10/05/22 13:00	LAH	EET KNX
Total/NA	Prep	AT Prep (BH)			2.5 mL	50 mL	66028	10/05/22 14:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66078	10/06/22 15:52	LAH	EET KNX
	Instrument ID: ADT									

Lab Chronicle

Client: TRC Environmental Corporation
Job ID: 140-29044-1
Project/Site: Georgia Power Mcintosh ICR-Unit 2 FO M5/M29

Client Sample ID: UNIT_2-5-29_FO_RUN1_CONT 5A
Lab Sample ID: 140-29044-5
Date Collected: 09/26/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	100 mL	65868	10/03/22 07:30	LAH	EET KNX
Total/NA	Prep	AT Prep (Empty)			2.5 mL	50 mL	65933	10/04/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66043	10/05/22 14:44	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_2-5-29_FO_RUN1_CONT 5B
Lab Sample ID: 140-29044-6
Date Collected: 09/26/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	375 mL	65871	10/03/22 07:30	LAH	EET KNX
Total/NA	Prep	AT Prep (KMnO4)			25 mL	50 mL	65936	10/04/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66043	10/05/22 16:28	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_2-5-29_FO_RUN1_CONT 5C
Lab Sample ID: 140-29044-7
Date Collected: 09/26/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	295 mL	65873	10/03/22 08:00	LAH	EET KNX
Total/NA	Prep	AT Prep (HCl)			10 mL	50 mL	65991	10/05/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66078	10/06/22 13:34	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_2-5-29_FO_RUN2_CONT 1
Lab Sample ID: 140-29044-8
Date Collected: 09/26/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	5		1			65953	10/03/22 17:25	SJF	EET KNX
	Instrument ID: NOEQUIP									

Client Sample ID: UNIT_2-5-29_FO_RUN2_CONT 2
Lab Sample ID: 140-29044-9
Date Collected: 09/26/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	5		1			65953	10/03/22 17:25	SJF	EET KNX
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: TRC Environmental Corporation
Job ID: 140-29044-1
Project/Site: Georgia Power Mcintosh ICR-Unit 2 FO M5/M29

Client Sample ID: UNIT_2-5-29_FO_RUN2_CONT 1,2,3
Lab Sample ID: 140-29044-10

Date Collected: 09/26/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66288	10/12/22 16:36	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Analysis	29/6010C		2			66319	10/13/22 15:32	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Cleanup	AT Prep FH			5.00 mL	50.0 mL	66179	10/11/22 08:30	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66275	10/12/22 15:02	WRL	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_2-5-29_FO_RUN2_CONT 4
Lab Sample ID: 140-29044-11

Date Collected: 09/26/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (BH)			1 Sample	100 mL	65922	10/03/22 09:44	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66250	10/11/22 19:13	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Pre Prep	Air Train Vol.			1 Sample	100 mL	66024	10/05/22 13:00	LAH	EET KNX
Total/NA	Prep	AT Prep (BH)			2.5 mL	50 mL	66028	10/05/22 14:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66078	10/06/22 15:54	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_2-5-29_FO_RUN2_CONT 5A
Lab Sample ID: 140-29044-12

Date Collected: 09/26/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	110 mL	65868	10/03/22 07:30	LAH	EET KNX
Total/NA	Prep	AT Prep (Empty)			2.5 mL	50 mL	65933	10/04/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66043	10/05/22 14:46	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_2-5-29_FO_RUN2_CONT 5B
Lab Sample ID: 140-29044-13

Date Collected: 09/26/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	375 mL	65871	10/03/22 07:30	LAH	EET KNX
Total/NA	Prep	AT Prep (KMnO4)			25 mL	50 mL	65936	10/04/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66043	10/05/22 16:31	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_2-5-29_FO_RUN2_CONT 5C
Lab Sample ID: 140-29044-14

Date Collected: 09/26/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	295 mL	65873	10/03/22 08:00	LAH	EET KNX
Total/NA	Prep	AT Prep (HCl)			10 mL	50 mL	65991	10/05/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66078	10/06/22 13:36	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_2-5-29_FO_RUN3_CONT 1
Lab Sample ID: 140-29044-15

Date Collected: 09/27/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	5		1			65953	10/03/22 17:25	SJF	EET KNX
	Instrument ID: NOEQUIP									

Client Sample ID: UNIT_2-5-29_FO_RUN3_CONT 2
Lab Sample ID: 140-29044-16

Date Collected: 09/27/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	5		1			65953	10/03/22 17:25	SJF	EET KNX
	Instrument ID: NOEQUIP									

Client Sample ID: UNIT_2-5-29_FO_RUN3_CONT 1,2,3
Lab Sample ID: 140-29044-17

Date Collected: 09/27/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66288	10/12/22 16:41	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Analysis	29/6010C		2			66319	10/13/22 15:38	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Cleanup	AT Prep FH			5.00 mL	50.0 mL	66179	10/11/22 08:30	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66275	10/12/22 15:05	WRL	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_2-5-29_FO_RUN3_CONT 4
Lab Sample ID: 140-29044-18

Date Collected: 09/27/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (BH)			1 Sample	100 mL	65922	10/03/22 09:44	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66250	10/11/22 19:18	KNC	EET KNX
	Instrument ID: DUO									

Client Sample ID: UNIT_2-5-29_FO_RUN3_CONT 4
Lab Sample ID: 140-29044-18

Date Collected: 09/27/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	100 mL	66024	10/05/22 13:00	LAH	EET KNX
Total/NA	Prep	AT Prep (BH)			2.5 mL	50 mL	66028	10/05/22 14:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66078	10/06/22 16:02	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_2-5-29_FO_RUN3_CONT 5A
Lab Sample ID: 140-29044-19

Date Collected: 09/27/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	100 mL	65868	10/03/22 07:30	LAH	EET KNX
Total/NA	Prep	AT Prep (Empty)			2.5 mL	50 mL	65933	10/04/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66043	10/05/22 14:54	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_2-5-29_FO_RUN3_CONT 5B
Lab Sample ID: 140-29044-20

Date Collected: 09/27/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	375 mL	65871	10/03/22 07:30	LAH	EET KNX
Total/NA	Prep	AT Prep (KMnO4)			25 mL	50 mL	65936	10/04/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66043	10/05/22 16:33	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_2-5-29_FO_RUN3_CONT 5C
Lab Sample ID: 140-29044-21

Date Collected: 09/27/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	275 mL	65873	10/03/22 08:00	LAH	EET KNX
Total/NA	Prep	AT Prep (HCl)			10 mL	50 mL	65991	10/05/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66078	10/06/22 13:44	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_2-5-29_FO_RUN4_CONT 1
Lab Sample ID: 140-29044-22

Date Collected: 09/27/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	5		1			65953	10/03/22 17:25	SJF	EET KNX
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: TRC Environmental Corporation
Job ID: 140-29044-1
Project/Site: Georgia Power Mcintosh ICR-Unit 2 FO M5/M29

Client Sample ID: UNIT_2-5-29_FO_RUN4_CONT 2
Lab Sample ID: 140-29044-23
Date Collected: 09/27/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	5		1			65953	10/03/22 17:25	SJF	EET KNX
	Instrument ID: NOEQUIP									

Client Sample ID: UNIT_2-5-29_FO_RUN4_CONT 1,2,3
Lab Sample ID: 140-29044-24
Date Collected: 09/27/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66288	10/12/22 16:46	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Analysis	29/6010C		2			66319	10/13/22 15:43	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Cleanup	AT Prep FH			5.00 mL	50.0 mL	66179	10/11/22 08:30	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66275	10/12/22 15:07	WRL	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_2-5-29_FO_RUN4_CONT 4
Lab Sample ID: 140-29044-25
Date Collected: 09/27/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (BH)			1 Sample	100 mL	65922	10/03/22 09:44	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66250	10/11/22 19:23	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Pre Prep	Air Train Vol.			1 Sample	100 mL	66024	10/05/22 13:00	LAH	EET KNX
Total/NA	Prep	AT Prep (BH)			2.5 mL	50 mL	66028	10/05/22 14:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66078	10/06/22 16:05	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_2-5-29_FO_RUN4_CONT 5A
Lab Sample ID: 140-29044-26
Date Collected: 09/27/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	100 mL	65868	10/03/22 07:30	LAH	EET KNX
Total/NA	Prep	AT Prep (Empty)			2.5 mL	50 mL	65933	10/04/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66043	10/05/22 14:57	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_2-5-29_FO_RUN4_CONT 5B
Lab Sample ID: 140-29044-27

Date Collected: 09/27/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	375 mL	65871	10/03/22 07:30	LAH	EET KNX
Total/NA	Prep	AT Prep (KMnO4)			25 mL	50 mL	65936	10/04/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66043	10/05/22 16:36	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_2-5-29_FO_RUN4_CONT 5C
Lab Sample ID: 140-29044-28

Date Collected: 09/27/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	300 mL	65873	10/03/22 08:00	LAH	EET KNX
Total/NA	Prep	AT Prep (HCl)			10 mL	50 mL	65991	10/05/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66078	10/06/22 13:47	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_2-5-29_FO_RUN5_CONT 1
Lab Sample ID: 140-29044-29

Date Collected: 09/27/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	5		1			65953	10/03/22 17:25	SJF	EET KNX
	Instrument ID: NOEQUIP									

Client Sample ID: UNIT_2-5-29_FO_RUN5_CONT 2
Lab Sample ID: 140-29044-30

Date Collected: 09/27/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	5		1			65953	10/03/22 17:25	SJF	EET KNX
	Instrument ID: NOEQUIP									

Client Sample ID: UNIT_2-5-29_FO_RUN5_CONT 1,2,3
Lab Sample ID: 140-29044-31

Date Collected: 09/27/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66288	10/12/22 16:52	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Analysis	29/6010C		2			66319	10/13/22 15:48	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Cleanup	AT Prep FH			5.00 mL	50.0 mL	66179	10/11/22 08:30	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66275	10/12/22 15:10	WRL	EET KNX
	Instrument ID: ADT									

Lab Chronicle

Client: TRC Environmental Corporation
Job ID: 140-29044-1
Project/Site: Georgia Power Mcintosh ICR-Unit 2 FO M5/M29

Client Sample ID: UNIT_2-5-29_FO_RUN5_CONT 4
Lab Sample ID: 140-29044-32

Date Collected: 09/27/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (BH)			1 Sample	100 mL	65922	10/03/22 09:44	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66250	10/11/22 19:42	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Pre Prep	Air Train Vol.			1 Sample	100 mL	66024	10/05/22 13:00	LAH	EET KNX
Total/NA	Prep	AT Prep (BH)			2.5 mL	50 mL	66028	10/05/22 14:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66078	10/06/22 16:07	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_2-5-29_FO_RUN5_CONT 5A
Lab Sample ID: 140-29044-33

Date Collected: 09/27/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	100 mL	65868	10/03/22 07:30	LAH	EET KNX
Total/NA	Prep	AT Prep (Empty)			2.5 mL	50 mL	65933	10/04/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66043	10/05/22 14:59	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_2-5-29_FO_RUN5_CONT 5B
Lab Sample ID: 140-29044-34

Date Collected: 09/27/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	375 mL	65871	10/03/22 07:30	LAH	EET KNX
Total/NA	Prep	AT Prep (KMnO4)			25 mL	50 mL	65936	10/04/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66043	10/05/22 16:38	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: UNIT_2-5-29_FO_RUN5_CONT 5C
Lab Sample ID: 140-29044-35

Date Collected: 09/27/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	285 mL	65873	10/03/22 08:00	LAH	EET KNX
Total/NA	Prep	AT Prep (HCl)			10 mL	50 mL	65991	10/05/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66078	10/06/22 13:49	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: FTB-5-29_FO_CONT 1
Lab Sample ID: 140-29044-36

Date Collected: 09/27/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	5		1			65953	10/03/22 17:25	SJF	EET KNX
	Instrument ID: NOEQUIP									

Client Sample ID: FTB-5-29_FO_CONT 2
Lab Sample ID: 140-29044-37
Date Collected: 09/27/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	5		1			65953	10/03/22 17:25	SJF	EET KNX
	Instrument ID: NOEQUIP									

Client Sample ID: FTB-5-29_FO_CONT 1,2,3
Lab Sample ID: 140-29044-38
Date Collected: 09/27/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66288	10/12/22 16:57	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Analysis	29/6010C		2			66319	10/13/22 15:53	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Cleanup	AT Prep FH			5.00 mL	50.0 mL	66179	10/11/22 08:30	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66275	10/12/22 15:12	WRL	EET KNX
	Instrument ID: ADT									

Client Sample ID: FTB-5-29_FO_CONT 4
Lab Sample ID: 140-29044-39
Date Collected: 09/27/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (BH)			1 Sample	100 mL	65922	10/03/22 09:44	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66250	10/11/22 19:47	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Pre Prep	Air Train Vol.			1 Sample	100 mL	66024	10/05/22 13:00	LAH	EET KNX
Total/NA	Prep	AT Prep (BH)			2.5 mL	50 mL	66028	10/05/22 14:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66078	10/06/22 16:10	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: FTB-5-29_FO_CONT 5A
Lab Sample ID: 140-29044-40
Date Collected: 09/27/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	100 mL	65868	10/03/22 07:30	LAH	EET KNX
Total/NA	Prep	AT Prep (Empty)			2.5 mL	50 mL	65933	10/04/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66043	10/05/22 15:02	LAH	EET KNX
	Instrument ID: ADT									

Lab Chronicle

Client: TRC Environmental Corporation
Job ID: 140-29044-1
Project/Site: Georgia Power Mcintosh ICR-Unit 2 FO M5/M29

Client Sample ID: FTB-5-29_FO_CONT 5B
Lab Sample ID: 140-29044-41
Date Collected: 09/27/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	100 mL	65871	10/03/22 07:30	LAH	EET KNX
Total/NA	Prep	AT Prep (KMnO4)			25 mL	50 mL	65936	10/04/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66043	10/05/22 16:41	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: FTB-5-29_FO_CONT 5C
Lab Sample ID: 140-29044-42
Date Collected: 09/27/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	270 mL	65873	10/03/22 08:00	LAH	EET KNX
Total/NA	Prep	AT Prep (HCl)			10 mL	50 mL	65991	10/05/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66078	10/06/22 13:52	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: C-1555 M5/M29 MEDIA CHECK FILTER
Lab Sample ID: 140-29044-43
Date Collected: 09/26/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66288	10/12/22 17:02	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Analysis	29/6010C		2			66319	10/13/22 15:58	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Cleanup	AT Prep FH			5.00 mL	50.0 mL	66179	10/11/22 08:30	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66275	10/12/22 15:15	WRL	EET KNX
	Instrument ID: ADT									
Total/NA	Analysis	5		1			65953	10/03/22 17:25	SJF	EET KNX
	Instrument ID: NOEQUIP									

Client Sample ID: Method Blank
Lab Sample ID: MB 140-65868/1-B
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	50 mL	65868	10/03/22 07:30	LAH	EET KNX
Total/NA	Prep	AT Prep (Empty)			2.5 mL	50 mL	65933	10/04/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66043	10/05/22 14:13	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: Method Blank
Lab Sample ID: MB 140-65871/1-B
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	50 mL	65871	10/03/22 07:30	LAH	EET KNX
Total/NA	Prep	AT Prep (KMnO4)			25 mL	50 mL	65936	10/04/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66043	10/05/22 15:58	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: Method Blank
Lab Sample ID: MB 140-65873/1-B
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	50 mL	65873	10/03/22 08:00	LAH	EET KNX
Total/NA	Prep	AT Prep (HCl)			10 mL	50 mL	65991	10/05/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66078	10/06/22 13:03	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: Method Blank
Lab Sample ID: MB 140-65922/3-A
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (BH)			1 Sample	100 mL	65922	10/03/22 09:44	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66250	10/11/22 14:20	KNC	EET KNX
	Instrument ID: DUO									

Client Sample ID: Method Blank
Lab Sample ID: MB 140-66006/1-A
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66288	10/12/22 12:31	KNC	EET KNX
	Instrument ID: DUO									

Client Sample ID: Method Blank
Lab Sample ID: MB 140-66006/1-B
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Cleanup	AT Prep FH			5.00 mL	50.0 mL	66179	10/11/22 08:30	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66275	10/12/22 14:17	WRL	EET KNX
	Instrument ID: ADT									

Lab Chronicle

Client: TRC Environmental Corporation
Job ID: 140-29044-1
Project/Site: Georgia Power Mcintosh ICR-Unit 2 FO M5/M29

Client Sample ID: Method Blank
Lab Sample ID: MB 140-66024/1-B
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	100 mL	66024	10/05/22 13:00	LAH	EET KNX
Total/NA	Prep	AT Prep (BH)			2.5 mL	50 mL	66028	10/05/22 14:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66078	10/06/22 15:47	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 140-65868/2-B
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	50 mL	65868	10/03/22 07:30	LAH	EET KNX
Total/NA	Prep	AT Prep (Empty)			2.5 mL	50 mL	65933	10/04/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66043	10/05/22 14:16	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 140-65871/2-B
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	50 mL	65871	10/03/22 07:30	LAH	EET KNX
Total/NA	Prep	AT Prep (KMnO4)			25 mL	50 mL	65936	10/04/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66043	10/05/22 16:00	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 140-65873/2-B
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	50 mL	65873	10/03/22 08:00	LAH	EET KNX
Total/NA	Prep	AT Prep (HCl)			10 mL	50 mL	65991	10/05/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66078	10/06/22 13:06	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 140-65922/4-A
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (BH)			1 Sample	100 mL	65922	10/03/22 09:44	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66250	10/11/22 14:25	KNC	EET KNX
	Instrument ID: DUO									

Lab Chronicle

Client: TRC Environmental Corporation
Job ID: 140-29044-1
Project/Site: Georgia Power Mcintosh ICR-Unit 2 FO M5/M29

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 140-66006/2-A
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66288	10/12/22 12:36	KNC	EET KNX
	Instrument ID: DUO									

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 140-66006/2-B
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Cleanup	AT Prep FH			5.00 mL	50.0 mL	66179	10/11/22 08:30	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66275	10/12/22 14:24	WRL	EET KNX
	Instrument ID: ADT									

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 140-66024/2-B
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	100 mL	66024	10/05/22 13:00	LAH	EET KNX
Total/NA	Prep	AT Prep (BH)			2.5 mL	50 mL	66028	10/05/22 14:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66078	10/06/22 15:49	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 140-65922/5-A
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (BH)			1 Sample	100 mL	65922	10/03/22 09:44	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66250	10/11/22 14:30	KNC	EET KNX
	Instrument ID: DUO									

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 140-66006/3-A
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Analysis	29/6010C		1			66288	10/12/22 12:41	KNC	EET KNX
	Instrument ID: DUO									

Lab Chronicle

Client: TRC Environmental Corporation
Job ID: 140-29044-1
Project/Site: Georgia Power Mcintosh ICR-Unit 2 FO M5/M29

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 140-66006/3-B

Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	66006	10/05/22 09:15	WRL	EET KNX
Total/NA	Cleanup	AT Prep FH			5.00 mL	50.0 mL	66179	10/11/22 08:30	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			66275	10/12/22 14:32	WRL	EET KNX
	Instrument ID: ADT									

Laboratory References:

EET KNX = Eurofins Knoxville, 5815 Middlebrook Pike, Knoxville, TN 37921, TEL (865)291-3000

Accreditation/Certification Summary

Client: TRC Environmental Corporation
Job ID: 140-29044-1
Project/Site: Georgia Power Mcintosh ICR-Unit 2 FO M5/M29

Laboratory: Eurofins Knoxville

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
	AFCEE	N/A	
ANAB	Dept. of Defense ELAP	L2311	02-13-25
ANAB	Dept. of Energy	L2311.01	02-13-25
ANAB	ISO/IEC 17025	L2311	02-13-25
Arkansas DEQ	State	88-0688	06-16-23
California	State	2423	06-30-22 *
Colorado	State	TN00009	02-28-23
Connecticut	State	PH-0223	09-30-23
Florida	NELAP	E87177	06-30-23
Georgia (DW)	State	906	12-11-22
Hawaii	State	NA	12-11-22
Kansas	NELAP	E-10349	10-31-22
Kentucky (DW)	State	90101	12-31-22
Louisiana	NELAP	83979	06-30-23
Louisiana (All)	NELAP	83979	06-30-23
Louisiana (DW)	State	LA019	12-31-22
Maryland	State	277	03-31-23
Michigan	State	9933	12-11-22
Nevada	State	TN00009	07-31-23
New Hampshire	NELAP	299919	01-17-23
New Jersey	NELAP	TN001	06-30-23
New York	NELAP	10781	03-31-23
North Carolina (DW)	State	21705	07-31-23
North Carolina (WW/SW)	State	64	12-31-22
Ohio VAP	State	CL0059	06-02-23
Oklahoma	State	9415	08-31-23
Oregon	NELAP	TNI0189	12-31-22
Pennsylvania	NELAP	68-00576	12-31-22
Tennessee	State	02014	07-27-25
Texas	NELAP	T104704380-22-17	08-31-23
US Fish & Wildlife	US Federal Programs	058448	07-31-23
USDA	US Federal Programs	P330-19-00236	12-31-22
Utah	NELAP	TN00009	07-31-23
Virginia	NELAP	460176	09-14-23
Washington	State	C593	01-19-23
West Virginia (DW)	State	9955C	12-31-22
West Virginia DEP	State	345	04-30-23
Wisconsin	State	998044300	08-31-23

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: TRC Environmental Corporation
Job ID: 140-29044-1
Project/Site: Georgia Power Mcintosh ICR-Unit 2 FO M5/M29

Method	Method Description	Protocol	Laboratory
29/6010C	Metals (ICP), Stationary Source	EPA	EET KNX
29/7470A	Mercury (CVAA), Stationary Source	EPA	EET KNX
5	Particulates	EPA	EET KNX
Air Train Vol.	Air Train Volume	None	EET KNX
AT Prep (BH)	Preparation, Mercury (Stationary Source)	EPA	EET KNX
AT Prep (BH)	Preparation, Total Metals (Stationary Source)	EPA	EET KNX
AT Prep (Empty)	Preparation, Mercury (Stationary Source)	EPA	EET KNX
AT Prep (FH)	Preparation, Total Metals (Stationary Source)	EPA	EET KNX
AT Prep (HCl)	Preparation, Mercury (Stationary Source)	EPA	EET KNX
AT Prep (KMnO4)	Preparation, Mercury (Stationary Source)	EPA	EET KNX
AT Prep FH	Preparation, Mercury (Stationary Source) FH	EPA	EET KNX

Protocol References:

EPA = US Environmental Protection Agency

None = None

Laboratory References:

EET KNX = Eurofins Knoxville, 5815 Middlebrook Pike, Knoxville, TN 37921, TEL (865)291-3000

Sample Summary

Client: TRC Environmental Corporation
Job ID: 140-29044-1
Project/Site: Georgia Power Mcintosh ICR-Unit 2 FO M5/M29

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
140-29044-1	UNIT_2-5-29_FO_RUN1_CONT 1	Air	09/26/22 00:00	09/28/22 19:45
140-29044-2	UNIT_2-5-29_FO_RUN1_CONT 2	Air	09/26/22 00:00	09/28/22 19:45
140-29044-3	UNIT_2-5-29_FO_RUN1_CONT 1,2,3	Air	09/26/22 00:00	09/28/22 19:45
140-29044-4	UNIT_2-5-29_FO_RUN1_CONT 4	Air	09/26/22 00:00	09/28/22 19:45
140-29044-5	UNIT_2-5-29_FO_RUN1_CONT 5A	Air	09/26/22 00:00	09/28/22 19:45
140-29044-6	UNIT_2-5-29_FO_RUN1_CONT 5B	Air	09/26/22 00:00	09/28/22 19:45
140-29044-7	UNIT_2-5-29_FO_RUN1_CONT 5C	Air	09/26/22 00:00	09/28/22 19:45
140-29044-8	UNIT_2-5-29_FO_RUN2_CONT 1	Air	09/26/22 00:00	09/28/22 19:45
140-29044-9	UNIT_2-5-29_FO_RUN2_CONT 2	Air	09/26/22 00:00	09/28/22 19:45
140-29044-10	UNIT_2-5-29_FO_RUN2_CONT 1,2,3	Air	09/26/22 00:00	09/28/22 19:45
140-29044-11	UNIT_2-5-29_FO_RUN2_CONT 4	Air	09/26/22 00:00	09/28/22 19:45
140-29044-12	UNIT_2-5-29_FO_RUN2_CONT 5A	Air	09/26/22 00:00	09/28/22 19:45
140-29044-13	UNIT_2-5-29_FO_RUN2_CONT 5B	Air	09/26/22 00:00	09/28/22 19:45
140-29044-14	UNIT_2-5-29_FO_RUN2_CONT 5C	Air	09/26/22 00:00	09/28/22 19:45
140-29044-15	UNIT_2-5-29_FO_RUN3_CONT 1	Air	09/27/22 00:00	09/28/22 19:45
140-29044-16	UNIT_2-5-29_FO_RUN3_CONT 2	Air	09/27/22 00:00	09/28/22 19:45
140-29044-17	UNIT_2-5-29_FO_RUN3_CONT 1,2,3	Air	09/27/22 00:00	09/28/22 19:45
140-29044-18	UNIT_2-5-29_FO_RUN3_CONT 4	Air	09/27/22 00:00	09/28/22 19:45
140-29044-19	UNIT_2-5-29_FO_RUN3_CONT 5A	Air	09/27/22 00:00	09/28/22 19:45
140-29044-20	UNIT_2-5-29_FO_RUN3_CONT 5B	Air	09/27/22 00:00	09/28/22 19:45
140-29044-21	UNIT_2-5-29_FO_RUN3_CONT 5C	Air	09/27/22 00:00	09/28/22 19:45
140-29044-22	UNIT_2-5-29_FO_RUN4_CONT 1	Air	09/27/22 00:00	09/28/22 19:45
140-29044-23	UNIT_2-5-29_FO_RUN4_CONT 2	Air	09/27/22 00:00	09/28/22 19:45
140-29044-24	UNIT_2-5-29_FO_RUN4_CONT 1,2,3	Air	09/27/22 00:00	09/28/22 19:45
140-29044-25	UNIT_2-5-29_FO_RUN4_CONT 4	Air	09/27/22 00:00	09/28/22 19:45
140-29044-26	UNIT_2-5-29_FO_RUN4_CONT 5A	Air	09/27/22 00:00	09/28/22 19:45
140-29044-27	UNIT_2-5-29_FO_RUN4_CONT 5B	Air	09/27/22 00:00	09/28/22 19:45
140-29044-28	UNIT_2-5-29_FO_RUN4_CONT 5C	Air	09/27/22 00:00	09/28/22 19:45
140-29044-29	UNIT_2-5-29_FO_RUN5_CONT 1	Air	09/27/22 00:00	09/28/22 19:45
140-29044-30	UNIT_2-5-29_FO_RUN5_CONT 2	Air	09/27/22 00:00	09/28/22 19:45
140-29044-31	UNIT_2-5-29_FO_RUN5_CONT 1,2,3	Air	09/27/22 00:00	09/28/22 19:45
140-29044-32	UNIT_2-5-29_FO_RUN5_CONT 4	Air	09/27/22 00:00	09/28/22 19:45
140-29044-33	UNIT_2-5-29_FO_RUN5_CONT 5A	Air	09/27/22 00:00	09/28/22 19:45
140-29044-34	UNIT_2-5-29_FO_RUN5_CONT 5B	Air	09/27/22 00:00	09/28/22 19:45
140-29044-35	UNIT_2-5-29_FO_RUN5_CONT 5C	Air	09/27/22 00:00	09/28/22 19:45
140-29044-36	FTB-5-29_FO_CONT 1	Air	09/27/22 00:00	09/28/22 19:45
140-29044-37	FTB-5-29_FO_CONT 2	Air	09/27/22 00:00	09/28/22 19:45
140-29044-38	FTB-5-29_FO_CONT 1,2,3	Air	09/27/22 00:00	09/28/22 19:45
140-29044-39	FTB-5-29_FO_CONT 4	Air	09/27/22 00:00	09/28/22 19:45
140-29044-40	FTB-5-29_FO_CONT 5A	Air	09/27/22 00:00	09/28/22 19:45
140-29044-41	FTB-5-29_FO_CONT 5B	Air	09/27/22 00:00	09/28/22 19:45
140-29044-42	FTB-5-29_FO_CONT 5C	Air	09/27/22 00:00	09/28/22 19:45
140-29044-43	C-1555 M5/M29 MEDIA CHECK FILTER	Air	09/26/22 00:00	09/28/22 19:45

CHAIN OF CUSTODY RECORD

Project Name:	Georgia Power McIntosh ICR	**Project Manager:**	Jason Grizzle
Project No.:	491281	**TRC Office:**	AU4
Sampling Date(s):	9/16/22 to 09/17/22	**Phone No.:**	(720) 838-3857
Laboratory:	Testamerica	**PM Email:**	jgrizzle@trccompanies.com
Laboratory P.O.:	C491281		
Shipping Date(s):	09/28/22		
Shipper's Name:	TRC		

140-28988 Chain of Custody

Sample Code	Date Sampled	Container Size	Container G/P	MATRIX	Description	ANALYSIS	Box No.	Comments
Unit_1-5-29_NG_Run6_Cont2	09/16/22	250 ml	G	L	Method 5 FHR - Unit 1 Run 6 NG	Method 5		
Unit_1-5-29_NG_Run6_Cont3	09/16/22	250 ml	G	AQ	Method 29 FHR - Unit 1 Run 6 NG	Method 29		
Unit_1-5-29_NG_Run6_Cont4	09/16/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 1 Run 6 NG	Method 29		
Unit_1-5-29_NG_Run6_Cont5A	09/16/22	250 ml	G	L	Method 29 IMP 4 - Unit 1 Run 6 NG	Method 29		
Unit_1-5-29_NG_Run6_Cont5B	09/16/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 1 Run 6 NG	Method 29		
Unit_1-5-29_NG_Run6_Cont5C	09/16/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 1 Run 6 NG	Method 29		
Unit_1-5-29_NG_Run7_Cont1	09/16/22	Petri	G	S	Method 5 Sample Filter - Unit 1 Run 7 NG	Method 5		
Unit_1-5-29_NG_Run7_Cont2	09/16/22	250 ml	G	L	Method 5 FHR - Unit 1 Run 7 NG	Method 5		
Unit_1-5-29_NG_Run7_Cont3	09/16/22	250 ml	G	AQ	Method 29 FHR - Unit 1 Run 7 NG	Method 29		
Unit_1-5-29_NG_Run7_Cont4	09/16/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 1 Run 7 NG	Method 29		
Unit_1-5-29_NG_Run7_Cont5A	09/16/22	250 ml	G	L	Method 29 IMP 4 - Unit 1 Run 7 NG	Method 29		
Unit_1-5-29_NG_Run7_Cont5B	09/16/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 1 Run 7 NG	Method 29		
Unit_1-5-29_NG_Run7_Cont5C	09/16/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 1 Run 7 NG	Method 29		
Unit_1-5-29_FO_Run1_Cont1	09/17/22	Petri	G	S	Method 5 Sample Filter - Unit 1 Run 1 FO	Method 5		
Unit_1-5-29_FO_Run1_Cont2	09/17/22	250 ml	G	L	Method 5 FHR - Unit 1 Run 1 FO	Method 5		
Unit_1-5-29_FO_Run1_Cont3	09/17/22	250 ml	G	AQ	Method 29 FHR - Unit 1 Run 1 FO	Method 29		
Unit_1-5-29_FO_Run1_Cont4	09/17/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 1 Run 1 FO	Method 29		
Unit_1-5-29_FO_Run1_Cont5A	09/17/22	250 ml	G	L	Method 29 IMP 4 - Unit 1 Run 1 FO	Method 29		

Relinquished by:	**Date/Time:** 9-28-22 19:45	**Relinquished by:**	**Date/Time:**
Received by: ESA-KNT	**Date/Time:** 9-28-22 19:45	**Received by:**	**Date/Time:**

Remarks (*):

TRC

AM-EMT-79_Rev 5.3 5/1/19

CHAIN OF CUSTODY RECORD

Project Name:	Georgia Power McIntosh ICR	**Project Manager:**	Jason Grizzle
Project No.:	491281	**TRC Office:**	AU4
Sampling Date(s):	9/17/22 to 09/17/22	**Phone No.:**	(720) 838-3857
Laboratory:	Testamerica	**PM Email:**	jgrizzle@trccompanies.com
Laboratory P.O.:	C491281		
Shipping Date(s):	09/28/22		
Shipper's Name:	TRC		

Sample Code	Date Sampled	Container Size	Container G/P	MATRIX	Description	ANALYSIS	Box No.	Comments
Unit_1-5-29_FO_Run1_Cont5B	09/17/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 1 Run 1 FO	Method 29		
Unit_1-5-29_FO_Run1_Cont5C	09/17/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 1 Run 1 FO	Method 29		
Unit_1-5-29_FO_Run2_Cont1	09/17/22	Petri	G	S	Method 5 Sample Filter - Unit 1 Run 2 FO	Method 5		
Unit_1-5-29_FO_Run2_Cont2	09/17/22	250 ml	G	L	Method 5 FHR - Unit 1 Run 2 FO	Method 5		
Unit_1-5-29_FO_Run2_Cont3	09/17/22	250 ml	G	AQ	Method 29 FHR - Unit 1 Run 2 FO	Method 29		
Unit_1-5-29_FO_Run2_Cont4	09/17/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 1 Run 2 FO	Method 29		

Relinquished by:	**Date/Time:** 9-28-22 19:45	**Relinquished by:**	**Date/Time:**
Received by: FIA KWX	**Date/Time:** 9-28-22 19:45	**Received by:**	**Date/Time:**
Remarks (*):			

TRC

AM-EMT-79_Rev 5.3 5/1/19

CHAIN OF CUSTODY RECORD

Project Name:	Georgia Power McIntosh ICR	**Project Manager:**	Jason Grizzle
Project No.:	491281	**TRC Office:**	AU4
Sampling Date(s):	9/17/22 to 09/19/22	**Phone No.:**	(720) 838-3857
Laboratory:	Testamerica	**PM Email:**	jgrizzle@trccompanies.com
Laboratory P.O.:	C491281		
Shipping Date(s):	09/28/22		
Shipper's Name:	TRC		

Sample Code	Date Sampled	Container Size	Container G/P	MATRIX	Description	ANALYSIS	Box No.	Comments
Unit_1-5-29_FO_Run2_Cont5A	09/17/22	250 ml	G	L	Method 29 IMP 4 - Unit 1 Run 2 FO	Method 5		
Unit_1-5-29_FO_Run2_Cont5B	09/17/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 1 Run 2 FO	Method 5		
Unit_1-5-29_FO_Run2_Cont5C	09/17/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 1 Run 2 FO	Method 29		
Blank_Acetone_Cont7	09/17/22	250 ml	G	L	Actone blank	Method 5		
Blank_HNO3_Cont8A	09/17/22	500 ml	G	L	0.1N HNO3 blank	Method 29		
Blank_DIH2O_Cont8B	09/17/22	250 ml	G	L	DI H2O blank	Method 29		
Blank_HNO3-H2O2-Cont10	09/17/22	250 ml	G	L	5% HNO3 / 10% H2O2 blank	Method 29		
Blank_KMnO4-H2SO4-Cont10	09/17/22	250 ml	G	L	4% KMnO4 / 10% H2SO4 blank	Method 29		
Blank_8N-HCl_Cont11	09/17/22	500 ml	G	L	8N HCl blank	Method 29		
Blank_SampleFilters_Cont12	09/17/22	Petri	G	S	Sample filter blanks	Method 29		
Unit_1-5-29_FO_Run3_Cont1	09/19/22	Petri	G	S	Method 5 Sample Filter - Unit 1 Run 3 FO	Method 5		
Unit_1-5-29_FO_Run3_Cont2	09/19/22	250 ml	G	L	Method 5 FHR - Unit 1 Run 3 FO	Method 5		
Unit_1-5-29_FO_Run3_Cont3	09/19/22	250 ml	G	AQ	Method 29 FHR - Unit 1 Run 3 FO	Method 29		
Unit_1-5-29_FO_Run3_Cont4	09/19/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 1 Run 3 FO	Method 29		
Unit_1-5-29_FO_Run3_Cont5A	09/19/22	250 ml	G	L	Method 29 IMP 4 - Unit 1 Run 3 FO	Method 29		
Unit_1-5-29_FO_Run3_Cont5B	09/19/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 1 Run 3 FO	Method 29		
Unit_1-5-29_FO_Run3_Cont5C	09/19/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 1 Run 3 FO	Method 29		
Unit_1-5-29_FO_Run4_Cont1	09/19/22	Petri	G	S	Method 5 Sample Filter - Unit 1 Run 4 FO	Method 5		

Relinquished by:	**Date/Time:** 9-28-22 19:45	**Relinquished by:**	**Date/Time:**
Received by:	**Date/Time:** 9-28-22 19:45	**Received by:**	**Date/Time:**

Remarks (*):

TRC

AM-EMT-79_Rev 5.3 5/1/19

CHAIN OF CUSTODY RECORD

Project Name:	Georgia Power McIntosh ICR	**Project Manager:**	Jason Grizzle
Project No.:	491281	**TRC Office:**	AU4
Sampling Date(s):	9/19/22 to 09/20/22	**Phone No.:**	(720) 838-3857
Laboratory:	Testamerica	**PM Email:**	jgrizzle@trccompanies.com
Laboratory P.O.:	C491281		
Shipping Date(s):	09/28/22		
Shipper's Name:	TRC		

Sample Code	Date Sampled	Container Size	Container G/P	MATRIX	Description	ANALYSIS	Box No.	Comments
Unit_1-5-29_FO_Run4_Cont2	09/19/22	250 ml	G	L	Method 5 FHR - Unit 1 Run 4 FO	Method 5		
Unit_1-5-29_FO_Run4_Cont3	09/19/22	250 ml	G	AQ	Method 29 FHR - Unit 1 Run 4 FO	Method 29		
Unit_1-5-29_FO_Run4_Cont4	09/19/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 1 Run 4 FO	Method 29		
Unit_1-5-29_FO_Run4_Cont5A	09/19/22	250 ml	G	L	Method 29 IMP 4 - Unit 1 Run 4 FO	Method 29		
Unit_1-5-29_FO_Run4_Cont5B	09/19/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 1 Run 4 FO	Method 29		
Unit_1-5-29_FO_Run4_Cont5C	09/19/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 1 Run 4 FO	Method 29		
Unit_1-5-29_FO_Run5_Cont1	09/19/22	Petri	G	S	Method 5 Sample Filter - Unit 1 Run 5 FO	Method 5		
Unit_1-5-29_FO_Run5_Cont2	09/19/22	250 ml	G	L	Method 5 FHR - Unit 1 Run 5 FO	Method 5		
Unit_1-5-29_FO_Run5_Cont3	09/19/22	250 ml	G	AQ	Method 29 FHR - Unit 1 Run 5 FO	Method 29		
Unit_1-5-29_FO_Run5_Cont4	09/19/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 1 Run 5 FO	Method 29		
Unit_1-5-29_FO_Run5_Cont5A	09/19/22	250 ml	G	L	Method 29 IMP 4 - Unit 1 Run 5 FO	Method 29		
Unit_1-5-29_FO_Run5_Cont5B	09/19/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 1 Run 5 FO	Method 29		
Unit_1-5-29_FO_Run5_Cont5C	09/19/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 1 Run 5 FO	Method 29		
Unit_1-5-29_FO_Run6_Cont1	09/20/22	Petri	G	S	Method 5 Sample Filter - Unit 1 Run 6 FO	Method 5		
Unit_1-5-29_FO_Run6_Cont2	09/20/22	250 ml	G	L	Method 5 FHR - Unit 1 Run 6 FO	Method 5		
Unit_1-5-29_FO_Run6_Cont3	09/20/22	250 ml	G	AQ	Method 29 FHR - Unit 1 Run 6 FO	Method 29		
Unit_1-5-29_FO_Run6_Cont4	09/20/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 1 Run 6 FO	Method 29		
Unit_1-5-29_FO_Run6_Cont5A	09/20/22	250 ml	G	L	Method 29 IMP 4 - Unit 1 Run 6 FO	Method 29		

Relinquished by:	**Date/Time:** 9-28-22 19:45	**Relinquished by:**	**Date/Time:**
Received by:	**Date/Time:** 9-28-22 19:45	**Received by:**	**Date/Time:**

Remarks (*):

TRC

AM-EMT-79_Rev 5.3 5/1/19

CHAIN OF CUSTODY RECORD

Project Name:	Georgia Power McIntosh ICR	**Project Manager:**	Jason Grizzle
Project No.:	491281	**TRC Office:**	AU4
Sampling Date(s):	9/20/22 to 09/21/22	**Phone No.:**	(720) 838-3857
Laboratory:	Testamerica	**PM Email:**	jgrizzle@trccompanies.com
Laboratory P.O.:	C491281		
Shipping Date(s):	09/28/22		
Shipper's Name:	TRC		

Sample Code	Date Sampled	Container Size	Container G/P	MATRIX	Description	ANALYSIS	Box No.	Comments
Unit_1-5-29_FO_Run6_Cont5B	09/20/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 1 Run 6 FO	Method 29		
Unit_1-5-29_FO_Run6_Cont5C	09/20/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 1 Run 6 FO	Method 29		
Unit_1-5-29_FO_Run7_Cont1	09/20/22	Petri	G	S	Method 5 Sample Filter - Unit 1 Run 7 FO	Method 5		
Unit_1-5-29_FO_Run7_Cont2	09/20/22	250 ml	G	L	Method 5 FHR - Unit 1 Run 7 FO	Method 5		
Unit_1-5-29_FO_Run7_Cont3	09/20/22	250 ml	G	AQ	Method 29 FHR - Unit 1 Run 7 FO	Method 29		
Unit_1-5-29_FO_Run7_Cont4	09/20/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 1 Run 7 FO	Method 29		
Unit_1-5-29_FO_Run7_Cont5A	09/20/22	250 ml	G	L	Method 29 IMP 4 - Unit 1 Run 7 FO	Method 29		
Unit_1-5-29_FO_Run7_Cont5B	09/20/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 1 Run 7 FO	Method 29		
Unit_1-5-29_FO_Run7_Cont5C	09/20/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 1 Run 7 FO	Method 29		
Unit_2-5-29_NG_Run1_Cont1	09/21/22	Petri	G	S	Method 5 Sample Filter - Unit 2 Run 1 NG	Method 5		
Unit_2-5-29_NG_Run1_Cont2	09/21/22	250 ml	G	L	Method 5 FHR - Unit 2 Run 1 NG	Method 5		
Unit_2-5-29_NG_Run1_Cont3	09/21/22	250 ml	G	AQ	Method 29 FHR - Unit 2 Run 1 NG	Method 29		
Unit_2-5-29_NG_Run1_Cont4	09/21/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 2 Run 1 NG	Method 29		
Unit_2-5-29_NG_Run1_Cont5A	09/21/22	250 ml	G	L	Method 29 IMP 4 - Unit 2 Run 1 NG	Method 29		
Unit_2-5-29_NG_Run1_Cont5B	09/21/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 2 Run 1 NG	Method 29		
Unit_2-5-29_NG_Run1_Cont5C	09/21/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 2 Run 1 NG	Method 29		
Unit_2-5-29_NG_Run2_Cont1	09/21/22	Petri	G	S	Method 5 Sample Filter - Unit 2 Run 2 NG	Method 5		
Unit_2-5-29_NG_Run2_Cont2	09/21/22	250 ml	G	L	Method 5 FHR - Unit 2 Run 2 NG	Method 5		

Relinquished by:	Date/Time: 9-28-22 19:45	**Relinquished by:**	**Date/Time:**
Received by:	Date/Time: 9-28-22 19:45	**Received by:**	**Date/Time:**

Remarks (*):

TRC

AM-EMT-79_Rev 5.3 5/1/19

CHAIN OF CUSTODY RECORD

Project Name:	Georgia Power McIntosh ICR	**Project Manager:**	Jason Grizzle
Project No.:	491281	**TRC Office:**	AU4
Sampling Date(s):	9/14/22 to 09/15/22	**Phone No.:**	(720) 838-3857
Laboratory:	Testamerica	**PM Email:**	jgrizzle@trccompanies.com
Laboratory P.O.:	C491281		
Shipping Date(s):	09/28/22		
Shipper's Name:	TRC		

140-28983 Chain of Custody

Sample Code	Date Sampled	Container Size	Container G/P	MATRIX	Description	ANALYSIS	Box No.	Comments
Unit_1-5-29_NG_Run1_Cont1	09/14/22	Petri	G	S	Method 5 Sample Filter - Unit 1 Run 1 NG	Method 5		
Unit_1-5-29_NG_Run1_Cont2	09/14/22	250 ml	G	L	Method 5 FHR - Unit 1 Run 1 NG	Method 5		
Unit_1-5-29_NG_Run1_Cont3	09/14/22	250 ml	G	AQ	Method 29 FHR - Unit 1 Run 1 NG	Method 29		
Unit_1-5-29_NG_Run1_Cont4	09/14/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 1 Run 1 NG	Method 29		
Unit_1-5-29_NG_Run1_Cont5A	09/14/22	250 ml	G	L	Method 29 IMP 4 - Unit 1 Run 1 NG	Method 29		
Unit_1-5-29_NG_Run1_Cont5B	09/14/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 1 Run 1 NG	Method 29		
Unit_1-5-29_NG_Run1_Cont5C	09/14/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 1 Run 1 NG	Method 29		
Unit_1-5-29_NG_Run2_Cont1	09/14/22	Petri	G	S	Method 5 Sample Filter - Unit 1 Run 2 NG	Method 5		
Unit_1-5-29_NG_Run2_Cont2	09/14/22	250 ml	G	L	Method 5 FHR - Unit 1 Run 2 NG	Method 5		
Unit_1-5-29_NG_Run2_Cont3	09/14/22	250 ml	G	AQ	Method 29 FHR - Unit 1 Run 2 NG	Method 29		
Unit_1-5-29_NG_Run2_Cont4	09/14/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 1 Run 2 NG	Method 29		
Unit_1-5-29_NG_Run2_Cont5A	09/14/22	250 ml	G	L	Method 29 IMP 4 - Unit 1 Run 2 NG	Method 29		
Unit_1-5-29_NG_Run2_Cont5B	09/14/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 1 Run 2 NG	Method 29		
Unit_1-5-29_NG_Run2_Cont5C	09/14/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 1 Run 2 NG	Method 29		
Unit_1-5-29_NG_Run3_Cont1	09/15/22	Petri	G	S	Method 5 Sample Filter - Unit 1 Run 3 NG	Method 5		
Unit_1-5-29_NG_Run3_Cont2	09/15/22	250 ml	G	L	Method 5 FHR - Unit 1 Run 3 NG	Method 5		
Unit_1-5-29_NG_Run3_Cont3	09/15/22	250 ml	G	AQ	Method 29 FHR - Unit 1 Run 3 NG	Method 29		
Unit_1-5-29_NG_Run3_Cont4	09/15/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 1 Run 3 NG	Method 29		

Relinquished by:	**Date/Time:** 9-28-22 19:45	**Relinquished by:**	**Date/Time:**
Received by:	**Date/Time:** 9-28-22 19:45	**Received by:**	**Date/Time:**

Remarks (*):

TRC

AM-EMT-79_Rev 5.3 5/1/19

CHAIN OF CUSTODY RECORD

Project Name:	Georgia Power McIntosh ICR	**Project Manager:**	Jason Grizzle
Project No.:	491281	**TRC Office:**	AU4
Sampling Date(s):	9/15/22 to 09/16/22	**Phone No.:**	(720) 838-3857
Laboratory:	Testamerica	**PM Email:**	jgrizzle@trccompanies.com
Laboratory P.O.:	C491281		
Shipping Date(s):	09/28/22		
Shipper's Name:	TRC		

Sample Code	Date Sampled	Container Size	Container G/P	MATRIX	Description	ANALYSIS	Box No.	Comments
Unit_1-5-29_NG_Run3_Cont5A	09/15/22	250 ml	G	L	Method 29 IMP 4 - Unit 1 Run 3 NG	Method 29		
Unit_1-5-29_NG_Run3_Cont5B	09/15/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 1 Run 3 NG	Method 29		
Unit_1-5-29_NG_Run3_Cont5C	09/15/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 1 Run 3 NG	Method 29		
Unit_1-5-29_NG_Run4_Cont1	09/15/22	Petri	G	S	Method 5 Sample Filter - Unit 1 Run 4 NG	Method 5		
Unit_1-5-29_NG_Run4_Cont2	09/15/22	250 ml	G	L	Method 5 FHR - Unit 1 Run 4 NG	Method 5		
Unit_1-5-29_NG_Run4_Cont3	09/15/22	250 ml	G	AQ	Method 29 FHR - Unit 1 Run 4 NG	Method 29		
Unit_1-5-29_NG_Run4_Cont4	09/15/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 1 Run 4 NG	Method 29		
Unit_1-5-29_NG_Run4_Cont5A	09/15/22	250 ml	G	L	Method 29 IMP 4 - Unit 1 Run 4 NG	Method 29		
Unit_1-5-29_NG_Run4_Cont5B	09/15/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 1 Run 4 NG	Method 29		
Unit_1-5-29_NG_Run4_Cont5C	09/15/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 1 Run 4 NG	Method 29		
Unit_1-5-29_NG_Run5_Cont1	09/15/22	Petri	G	S	Method 5 Sample Filter - Unit 1 Run 5 NG	Method 5		
Unit_1-5-29_NG_Run5_Cont2	09/15/22	250 ml	G	L	Method 5 FHR - Unit 1 Run 5 NG	Method 5		
Unit_1-5-29_NG_Run5_Cont3	09/15/22	250 ml	G	AQ	Method 29 FHR - Unit 1 Run 5 NG	Method 29		
Unit_1-5-29_NG_Run5_Cont4	09/15/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 1 Run 5 NG	Method 29		
Unit_1-5-29_NG_Run5_Cont5A	09/15/22	250 ml	G	L	Method 29 IMP 4 - Unit 1 Run 5 NG	Method 29		
Unit_1-5-29_NG_Run5_Cont5B	09/15/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 1 Run 5 NG	Method 29		
Unit_1-5-29_NG_Run5_Cont5C	09/15/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 1 Run 5 NG	Method 29		
Unit_1-5-29_NG_Run6_Cont1	09/16/22	Petri	G	S	Method 5 Sample Filter - Unit 1 Run 6 NG	Method 5		

Relinquished by:	**Date/Time:** 9-28-22 19:45	**Relinquished by:**	**Date/Time:**
Received by:	**Date/Time:** 9-28-22 19:45	**Received by:**	**Date/Time:**

Remarks (*):

TRC

AM-EMT-79_Rev 5.3 5/1/19

CHAIN OF CUSTODY RECORD

Project Name:	Georgia Power McIntosh ICR	**Project Manager:**	Jason Grizzle
Project No.:	491281	**TRC Office:**	AU4
Sampling Date(s):	9/16/22 to 09/17/22	**Phone No.:**	(720) 838-3857
Laboratory:	Testamerica	**PM Email:**	jgrizzle@trccompanies.com
Laboratory P.O.:	C491281		
Shipping Date(s):	09/28/22		
Shipper's Name:	TRC		

Sample Code	Date Sampled	Container Size	Container G/P	MATRIX	Description	ANALYSIS	Box No.	Comments
Unit_1-5-29_NG_Run6_Cont2	09/16/22	250 ml	G	L	Method 5 FHR - Unit 1 Run 6 NG	Method 5		
Unit_1-5-29_NG_Run6_Cont3	09/16/22	250 ml	G	AQ	Method 29 FHR - Unit 1 Run 6 NG	Method 29		
Unit_1-5-29_NG_Run6_Cont4	09/16/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 1 Run 6 NG	Method 29		
Unit_1-5-29_NG_Run6_Cont5A	09/16/22	250 ml	G	L	Method 29 IMP 4 - Unit 1 Run 6 NG	Method 29		
Unit_1-5-29_NG_Run6_Cont5B	09/16/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 1 Run 6 NG	Method 29		
Unit_1-5-29_NG_Run6_Cont5C	09/16/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 1 Run 6 NG	Method 29		
Unit_1-5-29_NG_Run7_Cont1	09/16/22	Petri	G	S	Method 5 Sample Filter - Unit 1 Run 7 NG	Method 5		
Unit_1-5-29_NG_Run7_Cont2	09/16/22	250 ml	G	L	Method 5 FHR - Unit 1 Run 7 NG	Method 5		
Unit_1-5-29_NG_Run7_Cont3	09/16/22	250 ml	G	AQ	Method 29 FHR - Unit 1 Run 7 NG	Method 29		
Unit_1-5-29_NG_Run7_Cont4	09/16/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 1 Run 7 NG	Method 29		
Unit_1-5-29_NG_Run7_Cont5A	09/16/22	250 ml	G	L	Method 29 IMP 4 - Unit 1 Run 7 NG	Method 29		
Unit_1-5-29_NG_Run7_Cont5B	09/16/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 1 Run 7 NG	Method 29		
Unit_1-5-29_NG_Run7_Cont5C	09/16/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 1 Run 7 NG	Method 29		
Unit_1-5-29_FO_Run1_Cont1	09/17/22	Petri	G	S	Method 5 Sample Filter - Unit 1 Run 1 FO	Method 5		
Unit_1-5-29_FO_Run1_Cont2	09/17/22	250 ml	G	L	Method 5 FHR - Unit 1 Run 1 FO	Method 5		
Unit_1-5-29_FO_Run1_Cont3	09/17/22	250 ml	G	AQ	Method 29 FHR - Unit 1 Run 1 FO	Method 29		
Unit_1-5-29_FO_Run1_Cont4	09/17/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 1 Run 1 FO	Method 29		
Unit_1-5-29_FO_Run1_Cont5A	09/17/22	250 ml	G	L	Method 29 IMP 4 - Unit 1 Run 1 FO	Method 29		
Relinquished by:		**Date/Time:**			**Relinquished by:**		**Date/Time:**	
Received by:		**Date/Time:**			**Received by:**		**Date/Time:**	
Remarks (*):								

TRC

CHAIN OF CUSTODY RECORD

Project Name:	Georgia Power McIntosh ICR	Project Manager:	Jason Grizzle
Project No.:	491281	TRC Office:	AU4
Sampling Date(s):	9/20/22 to 09/21/22	Phone No.:	(720) 838-3857
Laboratory:	Testamerica	PM Email:	jgrizzle@trccompanies.com
Laboratory P.O.:	C491281		
Shipping Date(s):	09/28/22		
Shipper's Name:	TRC		

Sample Code	Date Sampled	Container Size	Container G/P	MATRIX	Description	ANALYSIS	Box No.	Comments
Unit_1-5-29_FO_Run6_Cont5B	09/20/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 1 Run 6 FO	Method 29		
Unit_1-5-29_FO_Run6_Cont5C	09/20/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 1 Run 6 FO	Method 29		
Unit_1-5-29_FO_Run7_Cont1	09/20/22	Petri	G	S	Method 5 Sample Filter - Unit 1 Run 7 FO	Method 5		
Unit_1-5-29_FO_Run7_Cont2	09/20/22	250 ml	G	L	Method 5 FHR - Unit 1 Run 7 FO	Method 5		
Unit_1-5-29_FO_Run7_Cont3	09/20/22	250 ml	G	AQ	Method 29 FHR - Unit 1 Run 7 FO	Method 29		
Unit_1-5-29_FO_Run7_Cont4	09/20/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 1 Run 7 FO	Method 29		
Unit_1-5-29_FO_Run7_Cont5A	09/20/22	250 ml	G	L	Method 29 IMP 4 - Unit 1 Run 7 FO	Method 29		
Unit_1-5-29_FO_Run7_Cont5B	09/20/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 1 Run 7 FO	Method 29		
Unit_1-5-29_FO_Run7_Cont5C	09/20/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 1 Run 7 FO	Method 29		
Unit_2-5-29_NG_Run1_Cont1	09/21/22	Petri	G	S	Method 5 Sample Filter - Unit 2 Run 1 NG	Method 5		
Unit_2-5-29_NG_Run1_Cont2	09/21/22	250 ml	G	L	Method 5 FHR - Unit 2 Run 1 NG	Method 5		
Unit_2-5-29_NG_Run1_Cont3	09/21/22	250 ml	G	AQ	Method 29 FHR - Unit 2 Run 1 NG	Method 29		
Unit_2-5-29_NG_Run1_Cont4	09/21/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 2 Run 1 NG	Method 29		
Unit_2-5-29_NG_Run1_Cont5A	09/21/22	250 ml	G	L	Method 29 IMP 4 - Unit 2 Run 1 NG	Method 29		
Unit_2-5-29_NG_Run1_Cont5B	09/21/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 2 Run 1 NG	Method 29		
Unit_2-5-29_NG_Run1_Cont5C	09/21/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 2 Run 1 NG	Method 29		
Unit_2-5-29_NG_Run2_Cont1	09/21/22	Petri	G	S	Method 5 Sample Filter - Unit 2 Run 2 NG	Method 5		
Unit_2-5-29_NG_Run2_Cont2	09/21/22	250 ml	G	L	Method 5 FHR - Unit 2 Run 2 NG	Method 5		
Relinquished by: [signature]		Date/Time: 9-28-22/19:45			Relinquished by:		Date/Time:	
Received by:		Date/Time:			Received by:		Date/Time:	
Remarks (*):								

TRC

AM-EMT-79 Rev 5 3 5 1 19

CHAIN OF CUSTODY RECORD

Project Name:	Georgia Power Mcintosh ICR	**Project Manager:**	Jason Grizzle
Project No.:	491281	**TRC Office:**	AU4
Sampling Date(s):	9/21/22 to 09/22/22	**Phone No.:**	(720) 838-3857
Laboratory:	Testamerica	**PM Email:**	jgrizzle@trccompanies.com
Laboratory P.O.:	C491281		
Shipping Date(s):	09/28/22		
Shipper's Name:	TRC		

Sample Code	Date Sampled	Container Size	Container G/P	MATRIX	Description	ANALYSIS	Box No.	Comments
Unit_2-5-29_NG_Run2_Cont3	09/21/22	250 ml	G	AQ	Method 29 FHR - Unit 2 Run 2 NG	Method 29		
Unit_2-5-29_NG_Run2_Cont4	09/21/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 2 Run 2 NG	Method 29		
Unit_2-5-29_NG_Run2_Cont5A	09/21/22	250 ml	G	L	Method 29 IMP 4 - Unit 2 Run 2 NG	Method 29		
Unit_2-5-29_NG_Run2_Cont5B	09/21/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 2 Run 2 NG	Method 29		
Unit_2-5-29_NG_Run2_Cont5C	09/21/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 2 Run 2 NG	Method 29		
Unit_2-5-29_NG_Run3_Cont1	09/22/22	Petri	G	S	Method 5 Sample Filter - Unit 2 Run 3 NG	Method 5		

Relinquished by:	Date/Time: 9-28-22 19:45	**Relinquished by:**	**Date/Time:**
Received by:	**Date/Time:**	**Received by:**	**Date/Time:**
Remarks (*):			

TRC

AM-EMT-79_Rev 5.3 5/1/19

CHAIN OF CUSTODY RECORD

roject Name: Georgia Power McIntosh ICR
roject No.: 491281
ampling Date(s): 9/21/22 to 09/27/22
aboratory: Testamerica
aboratory P.O.: C491281
hipping Date(s): 09/28/22
hipper's Name: TRC

Project Manager: Jason Grizzle
TRC Office: AU4
Phone No.: (720) 838-3857
PM Email: jgrizzle@trccompanies.com

Sample Code	Date Sampled	Container Size	Container G/P	MATRIX	Description	ANALYSIS	Box No.	Comments
Unit_2-5-29_NG_Run3_Cont2	09/22/22	250 ml	G	L	Method 5 FHR - Unit 2 Run 3 NG	Method 5		
Unit_2-5-29_NG_Run3_Cont3	09/22/22	250 ml	G	AQ	Method 29 FHR - Unit 2 Run 3 NG	Method 29		
Unit_2-5-29_NG_Run3_Cont4	09/22/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 2 Run 3 NG	Method 29		
Unit_2-5-29_NG_Run3_Cont5A	09/22/22	250 ml	G	L	Method 29 IMP 4 - Unit 2 Run 3 NG	Method 29		
Unit_2-5-29_NG_Run3_Cont5B	09/22/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 2 Run 3 NG	Method 29		
Unit_2-5-29_NG_Run3_Cont5C	09/22/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 2 Run 3 NG	Method 29		
FTB-5-29_NG__Cont1	09/21/22	Petri	G	S	Method 5 Sample Filter - Field Train Blank NG	Method 5		
FTB-5-29_NG__Cont2	09/21/22	250 ml	G	L	Method 5 FHR - Field Train Blank NG	Method 5		
FTB-5-29_NG__Cont3	09/21/22	250 ml	G	AQ	Method 29 FHR - Field Train Blank NG	Method 29		
FTB-5-29_NG__Cont4	09/21/22	1000 ml	G	L	Method 29 IMP 1-3 - Field Train Blank NG	Method 29		
FTB-5-29_NG__Cont5A	09/21/22	250 ml	G	L	Method 29 IMP 4 - Field Train Blank NG	Method 29		
FTB-5-29_NG__Cont5B	09/21/22	500 ml	G	L	Method 29 IMP 5-6 - Field Train Blank NG	Method 29		
FTB-5-29_NG__Cont5C	09/21/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Field Train Blank NG	Method 29		
FTB-5-29_FO__Cont1	09/27/22	Petri	G	S	Method 5 Sample Filter - Field Train Blank FO	Method 5		
FTB-5-29_FO__Cont2	09/27/22	250 ml	G	L	Method 5 FHR - Field Train Blank FO	Method 5		
FTB-5-29_FO__Cont3	09/27/22	250 ml	G	AQ	Method 29 FHR - Field Train Blank FO	Method 29		
FTB-5-29_FO__Cont4	09/27/22	1000 ml	G	L	Method 29 IMP 1-3 - Field Train Blank FO	Method 29		
FTB-5-29_FO__Cont5A	09/27/22	250 ml	G	L	Method 29 IMP 4 - Field Train Blank FO	Method 29		

Relinquished by: [signature] Date/Time: 9-29-22 19:45 Relinquished by: Date/Time:

Received by: Date/Time: Received by: Date/Time:

Remarks (*):

TRC

AM-EMT-79_Rev 5.3 5/1/19

CHAIN OF CUSTODY RECORD

Project Name:	Georgia Power McIntosh ICR	Project Manager:	Jason Grizzle
Project No.:	491281	TRC Office:	AU4
Sampling Date(s):	9/22/22 to 09/27/22	Phone No.:	(720) 838-3857
Laboratory:	Testamerica	PM Email:	jgrizzle@trccompanies.com
Laboratory P.O.:	C491281		
Shipping Date(s):	09/28/22		
Shipper's Name:	TRC		

Sample Code	Date Sampled	Container Size	Container G/P	MATRIX	Description	ANALYSIS	Box No.	Comments
TB-5-29_FO__Cont5B	09/27/22	500 ml	G	L	Method 29 IMP 5-6 - Field Train Blank FO	Method 29		
TB-5-29_FO__Cont5C	09/27/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Field Train Blank FO	Method 29		
Init_2-5-29_NG_Run4_Cont1	09/22/22	Petri	G	S	Method 5 Sample Filter - Unit 2 Run 4 NG	Method 5		
Init_2-5-29_NG_Run4_Cont2	09/22/22	250 ml	G	L	Method 5 FHR - Unit 2 Run 4 NG	Method 5		
Init_2-5-29_NG_Run4_Cont3	09/22/22	250 ml	G	AQ	Method 29 FHR - Unit 2 Run 4 NG	Method 29		
Init_2-5-29_NG_Run4_Cont4	09/22/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 2 Run 4 NG	Method 29		
Init_2-5-29_NG_Run4_Cont5A	09/22/22	250 ml	G	L	Method 29 IMP 4 - Unit 2 Run 4 NG	Method 29		
Init_2-5-29_NG_Run4_Cont5B	09/22/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 2 Run 4 NG	Method 29		
Init_2-5-29_NG_Run4_Cont5C	09/22/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 2 Run 4 NG	Method 29		
Init_2-5-29_NG_Run5_Cont1	09/22/22	Petri	G	S	Method 5 Sample Filter - Unit 2 Run 5 NG	Method 5		
Init_2-5-29_NG_Run5_Cont2	09/22/22	250 ml	G	L	Method 5 FHR - Unit 2 Run 5 NG	Method 5		
Init_2-5-29_NG_Run5_Cont3	09/22/22	250 ml	G	AQ	Method 29 FHR - Unit 2 Run 5 NG	Method 29		
Init_2-5-29_NG_Run5_Cont4	09/22/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 2 Run 5 NG	Method 29		
Init_2-5-29_NG_Run5_Cont5A	09/22/22	250 ml	G	L	Method 29 IMP 4 - Unit 2 Run 5 NG	Method 29		
Unit_2-5-29_NG_Run5_Cont5B	09/22/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 2 Run 5 NG	Method 29		
Unit_2-5-29_NG_Run5_Cont5C	09/22/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 2 Run 5 NG	Method 29		
Unit_2-5-29_FO_Run1_Cont1	09/26/22	Petri	G	S	Method 5 Sample Filter - Unit 2 Run 1 FO	Method 5		
Unit_2-5-29_FO_Run1_Cont2	09/26/22	250 ml	G	L	Method 5 FHR - Unit 2 Run 1 FO	Method 5		
Relinquished by:		Date/Time:	9-28-22 19:45		Relinquished by:		Date/Time:	
Received by:		Date/Time:			Received by:		Date/Time:	

Remarks (*):

TRC

AM-EMT-79_Rev 5.3 5/1/19

CHAIN OF CUSTODY RECORD

Project Name:	Georgia Power McIntosh ICR	Project Manager:	Jason Grizzle
Project No.:	491281	TRC Office:	AU4
Sampling Date(s):	9/26/22 to 09/27/22	Phone No.:	(720) 838-3857
Laboratory:	Testamerica	PM Email:	jgrizzle@trccompanies.com
Laboratory P.O.:	C491281		
Shipping Date(s):	09/28/22		
Shipper's Name:	TRC		

Sample Code	Date Sampled	Container Size	Container G/P	MATRIX	Description	ANALYSIS	Box No.	Comments
nit_2-5-29_FO_Run1_Cont3	09/26/22	250 ml	G	AQ	Method 29 FHR - Unit 2 Run 1 FO	Method 29		
nit_2-5-29_FO_Run1_Cont4	09/26/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 2 Run 1 FO	Method 29		
Init_2-5-29_FO_Run1_Cont5A	09/26/22	250 ml	G	L	Method 29 IMP 4 - Unit 2 Run 1 FO	Method 29		
Init_2-5-29_FO_Run1_Cont5B	09/26/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 2 Run 1 FO	Method 29		
Init_2-5-29_FO_Run1_Cont5C	09/26/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 2 Run 1 FO	Method 29		
Init_2-5-29_FO_Run2_Cont1	09/26/22	Petri	G	S	Method 5 Sample Filter - Unit 2 Run 2 FO	Method 5		
Init_2-5-29_FO_Run2_Cont2	09/26/22	250 ml	G	L	Method 5 FHR - Unit 2 Run 2 FO	Method 5		
Init_2-5-29_FO_Run2_Cont3	09/26/22	250 ml	G	AQ	Method 29 FHR - Unit 2 Run 2 FO	Method 29		
Init_2-5-29_FO_Run2_Cont4	09/26/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 2 Run 2 FO	Method 29		
Init_2-5-29_FO_Run2_Cont5A	09/26/22	250 ml	G	L	Method 29 IMP 4 - Unit 2 Run 2 FO	Method 29		
Init_2-5-29_FO_Run2_Cont5B	09/26/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 2 Run 2 FO	Method 29		
Init_2-5-29_FO_Run2_Cont5C	09/26/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 2 Run 2 FO	Method 29		
Init_2-5-29_FO_Run3_Cont1	09/27/22	Petri	G	S	Method 5 Sample Filter - Unit 2 Run 3 FO	Method 5		
Init_2-5-29_FO_Run3_Cont2	09/27/22	250 ml	G	L	Method 5 FHR - Unit 2 Run 3 FO	Method 5		
Init_2-5-29_FO_Run3_Cont3	09/27/22	250 ml	G	AQ	Method 29 FHR - Unit 2 Run 3 FO	Method 29		
Init_2-5-29_FO_Run3_Cont4	09/27/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 2 Run 3 FO	Method 29		
Init_2-5-29_FO_Run3_Cont5A	09/27/22	250 ml	G	L	Method 29 IMP 4 - Unit 2 Run 3 FO	Method 29		
Unit_2-5-29_FO_Run3_Cont5B	09/27/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 2 Run 3 FO	Method 29		

Relinquished by:	Date/Time: 9-29-22 19:45	Relinquished by:	Date/Time:
Received by:	Date/Time:	Received by:	Date/Time:

Remarks (*):

TRC

CHAIN OF CUSTODY RECORD

Project Name:	Georgia Power McIntosh ICR	**Project Manager:**	Jason Grizzle
Project No.:	491281	**TRC Office:**	AU4
Sampling Date(s):	9/27/22 to 09/27/22	**Phone No.:**	(720) 838-3857
Laboratory:	Testamerica	**PM Email:**	jgrizzle@trccompanies.com
Laboratory P.O.:	C491281		
Shipping Date(s):	09/28/22		
Shipper's Name:	TRC		

Sample Code	Date Sampled	Container Size	Container G/P	MATRIX	Description	ANALYSIS	Box No.	Comments
Unit_2-5-29_FO_Run3_Cont5C	09/27/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 2 Run 3 FO	Method 29		
Unit_2-5-29_FO_Run4_Cont1	09/27/22	Petri	G	S	Method 5 Sample Filter - Unit 2 Run 4 FO	Method 5		
Unit_2-5-29_FO_Run4_Cont2	09/27/22	250 ml	G	L	Method 5 FHR - Unit 2 Run 4 FO	Method 5		
Unit_2-5-29_FO_Run4_Cont3	09/27/22	250 ml	G	AQ	Method 29 FHR - Unit 2 Run 4 FO	Method 29		
Unit_2-5-29_FO_Run4_Cont4	09/27/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 2 Run 4 FO	Method 29		
Unit_2-5-29_FO_Run4_Cont5A	09/27/22	250 ml	G	L	Method 29 IMP 4 - Unit 2 Run 4 FO	Method 29		

Relinquished by:	Date/Time: 9-28-22 19:45	**Relinquished by:**	**Date/Time:**
Received by:	**Date/Time:**	**Received by:**	**Date/Time:**

Remarks (*):

TRC

AM-EMT-79_Rev 5.3 5/1/19

CHAIN OF CUSTODY RECORD

Project Name:	Georgia Power McIntosh ICR	Project Manager:	Jason Grizzle
Project No.:	491281	TRC Office:	AU4
Sampling Date(s):	9/27/22 to 09/27/22	Phone No.:	(720) 838-3857
Laboratory:	Testamerica	PM Email:	jgrizzle@trccompanies.com
Laboratory P.O.:	C491281		
Shipping Date(s):	09/28/22		
Shipper's Name:	TRC		

Sample Code	Date Sampled	Container Size	Container G/P	MATRIX	Description	ANALYSIS	Box No.	Comments
Unit_2-5-29_FO_Run4_Cont5B	09/27/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 2 Run 4 FO	Method 29		
Unit_2-5-29_FO_Run4_Cont5C	09/27/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 2 Run 4 FO	Method 29		
Unit_2-5-29_FO_Run5_Cont1	09/27/22	Petri	G	S	Method 5 Sample Filter - Unit 2 Run 5 FO	Method 5		
Unit_2-5-29_FO_Run5_Cont2	09/27/22	250 ml	G	L	Method 5 FHR - Unit 2 Run 5 FO	Method 5		
Unit_2-5-29_FO_Run5_Cont3	09/27/22	250 ml	G	AQ	Method 29 FHR - Unit 2 Run 5 FO	Method 29		
Unit_2-5-29_FO_Run5_Cont4	09/27/22	1000 ml	G	L	Method 29 IMP 1-3 - Unit 2 Run 5 FO	Method 29		
Unit_2-5-29_FO_Run5_Cont5A	09/27/22	250 ml	G	L	Method 29 IMP 4 - Unit 2 Run 5 FO	Method 29		
Unit_2-5-29_FO_Run5_Cont5B	09/27/22	500 ml	G	L	Method 29 IMP 5-6 - Unit 2 Run 5 FO	Method 29		
Unit_2-5-29_FO_Run5_Cont5C	09/27/22	500 ml	G	L	Method 29 IMP 5-6 HCl - Unit 2 Run 5 FO	Method 29		

Relinquished by:	Date/Time: 9-28-22 19:45	Relinquished by:	Date/Time:
Received by:	Date/Time: 09.28.22 1945	Received by:	Date/Time:

Remarks (*):

TRC

AM-EMT-79_Rev 5.3 5/1/19

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Jon Howard
TRC Environmental Corporation
3800 Colonnade
Suite 175
Birmingham Alabama 35243

Generated 11/18/2022 2:59:38 PM

JOB DESCRIPTION

Georgia Power Mcintosh ICR-Unit 1 FO-M5/29

JOB NUMBER

140-28988-2

Eurofins Knoxville
5815 Middlebrook Pike
Knoxville TN 37921

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Definitions/Glossary

Client: TRC Environmental Corporation
Job ID: 140-28988-2
Project/Site: Georgia Power Mcintosh ICR-Unit 1 FO-M5/29

Qualifiers

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
H	Sample was prepped or analyzed beyond the specified holding time
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 140-28988-2

Laboratory: Eurofins Knoxville

Narrative

Job Narrative
140-28988-2

Receipt

The samples were received on 9/28/2022 7:45 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 19.1° C.

Receipt Exceptions

The Chain-of-Custody (COC) was incomplete as received and/or improperly completed. COC not relinquished by client.

Both the COC and label list the container as10, HNO3-H2O2 reagent blank should be container 9, Logged as container 9.BLANK_HNO3-H2O2_CONT 9 (140-28988-53)

Metals

Multi-Metals Train Preparation and Analysis

These stack gas samples were prepared and analyzed using Eurofins TestAmerica Knoxville standard operating procedure KNOX-MT-0006 which is based on EPA SW-846 Method 0060, "Determination of Metals in Stack Emissions" and Method 29, "Determination of Metals Emissions from Stationary Sources". SW-846 Methods 6010C and 7470A as incorporated in Eurofins TestAmerica Knoxville standard operating procedures KNOX-MT-0007 and KNOX-MT-0009 were used to perform the final instrument analysis.

Acid digestion was performed on the front half particulate filter and the acetone and nitric acid probe rinse fractions separately using HNO3 and HF. After digestion, the HF was sequestered using H3BO3 followed by another heating cycle. These digestates were combined, adjusted to final volume and analyzed by ICP. A portion of the ICP digestate was prepared for CVAA analysis in order to determine the particle-bound mercury. Results were calculated using the following equations:

ICP Analyte, µg/sample = (Raw Sample Concentration, µg/L) x (Bench DF) x (Final Volume ICP Digestate, L)

Hg, µg/sample = (Raw Sample Concentration, µg/L) x (Bench DF) x (Final Volume ICP Digestate, L) x (Final Volume Hg Digestate, mL / Volume ICP Digestate Used, mL)

The 5%HNO3/10%H2O2 impinger samples were reduced in volume to 100 mL. A 20 milliliter portion of the concentrated sample was removed and processed for mercury. The remaining 80 mL of concentrated sample was digested using HNO3 and H2O2, adjusted to a final volume of 80 mL, and analyzed by ICP. Results were calculated using the following equations:

ICP Analyte, µg/sample = (Raw Sample Concentration, µg/L) x (Bench DF) x (Final Volume Concentrated Sample, L) x (Final Volume ICP Digestate, mL / Volume Conc. Sample Digested, mL)

Hg, µg/sample = (Raw Sample Concentration, µg/L) x (Bench DF) x (Final Volume Concentrated Sample, L) x (Final Volume Hg Digestate, mL / Volume Conc. Sample Digested, mL)

For the 0.1N HNO3 rinse samples (empty impingers), a 2.5 milliliter portion of the sample as received was removed and processed for mercury.

The 4% KMnO4/10%H2SO4 impinger samples were filtered to remove MnO2, followed by removal of a 25 mL portion of filtrate for mercury processing. The filtered MnO2 residue was digested in HCl, combined with the HCl rinse sample and analyzed for mercury.

Results for the 0.1N HNO3 rinse samples and the KMnO4 filtrate were calculated using the following equation:

Hg, µg/sample = (Raw Sample Concentration, µg/L) x (Bench DF) x (Total Sample Volume, L) x (Final Volume Hg Digestate, mL / Volume

Job ID: 140-28988-2 (Continued)

Laboratory: Eurofins Knoxville (Continued)

Sample Digested, mL)

Results for the combined MnO2 residue HCl digestates and HCl rinse samples were calculated as follows:

Hg, µg/sample = (Raw Sample Concentration, µg/L) x (Bench DF) x (Total Sample Volume, L + MnO2 HCl Volume, L) x (Final Volume Hg Digestate, mL / Volume Sample Digested, mL)

Note: The total sample volume for the 5%HNO3/10%H2O2 impinger samples is the final volume of the concentrated sample. The total sample volume for the combined MnO2 residue HCl digestates and HCl rinse samples is equal to the total sample volume plus the MnO2 HCl volume.

Method 29/6010C: The method blank for preparation batch 140-67442 contained Chromium above the reporting limit (RL). The entire sample was consumed during extraction; therefore, the data have been reported as found. Reanalysis of the method blank was performed on 11-17-22 and the Chromium result was confirmed.

Method 29/6010C: The following sample was diluted due to the presence of Silicon which interferes with Arsenic, Cobalt, Lead, Nickel and Selenium: BLANK_SAMPLE FILTERS_CONT 12 (140-28988-56). Elevated reporting limits (RLs) are provided.

Method 29/7470A: The following samples were requested for analysis by the client after the holding time had expired: BLANK_HNO3_CONT 8A (140-28988-51), BLANK_HNO3-H2O2_CONT 9 (140-28988-53), BLANK_KMNO4-H2SO4_CONT 10 (140-28988-54), BLANK_8N-HCL_CONT 11 (140-28988-55) and BLANK_SAMPLE FILTERS_CONT 12 (140-28988-56).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry

Total Particulates: The measurement of the mass of particulate matter trapped by the particulate filter and probe rinse derived from an M-5 sampling train was performed using SOP number KNOX-WC-0006 (based on EPA Methods 0050 and 5). Microfiber filters and 150 mL beakers are carefully inspected and tare weighed to constant weight. After sample collection, the filters are dried, and then carefully weighed to constant weight to determine the mass of particulate matter trapped on the filters. The acetone probe rinse solution is evaporated to dryness, and then weighed to constant weight to determine the total particulate mass collected in the rinse. The total particulate mass collected by an M-5 train is the sum of the particulate filter and the acetone probe rinse residue weights.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Client Sample Results

Client: TRC Environmental Corporation
Job ID: 140-28988-2
Project/Site: Georgia Power Mcintosh ICR-Unit 1 FO-M5/29

Client Sample ID: BLANK_ACETONE_CONT 7
Lab Sample ID: 140-28988-50
Date Collected: 09/17/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulates, Total (EPA 5)	ND		0.500	0.500	mg/sample			11/11/22 15:50	1

Client Sample ID: BLANK_HNO3_CONT 8A
Lab Sample ID: 140-28988-51
Date Collected: 09/17/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/6010C - Metals (ICP), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		6.00	1.10	ug/Sample		11/14/22 12:15	11/16/22 14:51	1
Arsenic	ND		1.00	0.890	ug/Sample		11/14/22 12:15	11/16/22 14:51	1
Beryllium	ND		0.500	0.0160	ug/Sample		11/14/22 12:15	11/16/22 14:51	1
Cadmium	ND		0.500	0.280	ug/Sample		11/14/22 12:15	11/16/22 14:51	1
Chromium	**0.207**	**J B**	1.00	0.190	ug/Sample		11/14/22 12:15	11/16/22 14:51	1
Cobalt	ND		5.00	1.00	ug/Sample		11/14/22 12:15	11/16/22 14:51	1
Lead	ND		1.00	0.470	ug/Sample		11/14/22 12:15	11/16/22 14:51	1
Manganese	ND		1.50	0.120	ug/Sample		11/14/22 12:15	11/16/22 14:51	1
Nickel	ND		4.00	0.250	ug/Sample		11/14/22 12:15	11/16/22 14:51	1
Selenium	ND		1.00	0.660	ug/Sample		11/14/22 12:15	11/16/22 14:51	1

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	H	0.200	0.0840	ug/Sample		11/14/22 12:15	11/17/22 11:28	1

Client Sample ID: BLANK_HNO3-H2O2_CONT 9
Lab Sample ID: 140-28988-53
Date Collected: 09/17/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/6010C - Metals (ICP), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		6.00	0.840	ug/Sample		11/14/22 12:18	11/16/22 12:40	1
Arsenic	ND		1.00	0.180	ug/Sample		11/14/22 12:18	11/16/22 12:40	1
Beryllium	ND		0.500	0.0470	ug/Sample		11/14/22 12:18	11/16/22 12:40	1
Cadmium	ND		0.500	0.0180	ug/Sample		11/14/22 12:18	11/16/22 12:40	1
Chromium	**0.198**	**J**	1.00	0.180	ug/Sample		11/14/22 12:18	11/16/22 12:40	1
Cobalt	ND		5.00	0.100	ug/Sample		11/14/22 12:18	11/16/22 12:40	1
Lead	ND		1.00	0.480	ug/Sample		11/14/22 12:18	11/16/22 12:40	1
Manganese	ND		1.50	0.180	ug/Sample		11/14/22 12:18	11/16/22 12:40	1
Nickel	ND		4.00	0.260	ug/Sample		11/14/22 12:18	11/16/22 12:40	1
Selenium	ND		1.00	0.390	ug/Sample		11/14/22 12:18	11/16/22 12:40	1

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	H	0.400	0.120	ug/Sample		11/16/22 08:00	11/17/22 15:02	1

Client Sample Results

Client: TRC Environmental Corporation
Job ID: 140-28988-2
Project/Site: Georgia Power Mcintosh ICR-Unit 1 FO-M5/29

Client Sample ID: BLANK_KMNO4-H2SO4_CONT 10
Lab Sample ID: 140-28988-54
Date Collected: 09/17/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	H	0.0340	0.0102	ug/Sample		11/16/22 08:00	11/17/22 13:40	1

Client Sample ID: BLANK_8N-HCL_CONT 11
Lab Sample ID: 140-28988-55
Date Collected: 09/17/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Air Train

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	H	0.150	0.0660	ug/Sample		11/16/22 08:00	11/17/22 14:31	1

Client Sample ID: BLANK_SAMPLE FILTERS_CONT 12
Lab Sample ID: 140-28988-56
Date Collected: 09/17/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45
Sample Container: Petri/Filter

Method: EPA 29/6010C - Metals (ICP), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		6.00	1.10	ug/Sample		11/14/22 12:15	11/16/22 15:11	1
Arsenic	ND		2.00	1.78	ug/Sample		11/14/22 12:15	11/17/22 11:38	2
Beryllium	ND		0.500	0.0160	ug/Sample		11/14/22 12:15	11/16/22 15:11	1
Cadmium	ND		0.500	0.280	ug/Sample		11/14/22 12:15	11/16/22 15:11	1
Chromium	**1.61**	**B**	1.00	0.190	ug/Sample		11/14/22 12:15	11/16/22 15:11	1
Cobalt	ND		10.0	2.00	ug/Sample		11/14/22 12:15	11/17/22 11:38	2
Lead	ND		2.00	0.940	ug/Sample		11/14/22 12:15	11/17/22 11:38	2
Manganese	**0.525**	**J**	1.50	0.120	ug/Sample		11/14/22 12:15	11/16/22 15:11	1
Nickel	ND		8.00	0.500	ug/Sample		11/14/22 12:15	11/17/22 11:38	2
Selenium	ND		2.00	1.32	ug/Sample		11/14/22 12:15	11/17/22 11:38	2

Method: EPA 29/7470A - Mercury (CVAA), Stationary Source

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	H	0.200	0.0840	ug/Sample		11/14/22 12:15	11/17/22 11:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulates, Total (EPA 5)	ND		0.500	0.500	mg/sample			11/11/22 15:50	1

Default Detection Limits

Client: TRC Environmental Corporation
Job ID: 140-28988-2
Project/Site: Georgia Power Mcintosh ICR-Unit 1 FO-M5/29

Method: 29/6010C - Metals (ICP), Stationary Source
Prep: AT Prep (BH)

Analyte	RL	MDL	Units
Antimony	6.00	0.840	ug/Sample
Arsenic	1.00	0.180	ug/Sample
Beryllium	0.500	0.0470	ug/Sample
Cadmium	0.500	0.0180	ug/Sample
Chromium	1.00	0.180	ug/Sample
Cobalt	5.00	0.100	ug/Sample
Lead	1.00	0.480	ug/Sample
Manganese	1.50	0.180	ug/Sample
Nickel	4.00	0.260	ug/Sample
Selenium	1.00	0.390	ug/Sample

Method: 29/6010C - Metals (ICP), Stationary Source
Prep: AT Prep (FH)

Analyte	RL	MDL	Units
Antimony	6.00	1.10	ug/Sample
Arsenic	1.00	0.890	ug/Sample
Beryllium	0.500	0.0160	ug/Sample
Cadmium	0.500	0.280	ug/Sample
Chromium	1.00	0.190	ug/Sample
Cobalt	5.00	1.00	ug/Sample
Lead	1.00	0.470	ug/Sample
Manganese	1.50	0.120	ug/Sample
Nickel	4.00	0.250	ug/Sample
Selenium	1.00	0.660	ug/Sample

Method: 29/7470A - Mercury (CVAA), Stationary Source
Prep: AT Prep (BH)

Analyte	RL	MDL	Units
Mercury	0.400	0.120	ug/Sample

Method: 29/7470A - Mercury (CVAA), Stationary Source
Prep: AT Prep (FH)

Analyte	RL	MDL	Units
Mercury	0.200	0.0840	ug/Sample

Method: 29/7470A - Mercury (CVAA), Stationary Source
Prep: AT Prep (HCl)

Analyte	RL	MDL	Units
Mercury	0.0500	0.0220	ug/Sample

Method: 29/7470A - Mercury (CVAA), Stationary Source
Prep: AT Prep (KMnO4)

Analyte	RL	MDL	Units
Mercury	0.0200	0.00600	ug/Sample

General Chemistry

Analyte	RL	MDL	Units
Particulates, Total	0.500	0.500	mg/sample

Eurofins Knoxville

Client: TRC Environmental Corporation
Job ID: 140-28988-2
Project/Site: Georgia Power Mcintosh ICR-Unit 1 FO-M5/29

Method: 29/6010C - Metals (ICP), Stationary Source

Lab Sample ID: MB 140-67442/3-A
Matrix: Air
Analysis Batch: 67568

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 67442

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		6.00	1.10	ug/Sample		11/14/22 12:15	11/16/22 11:46	1
Arsenic	ND		1.00	0.890	ug/Sample		11/14/22 12:15	11/16/22 11:46	1
Beryllium	ND		0.500	0.0160	ug/Sample		11/14/22 12:15	11/16/22 11:46	1
Cadmium	ND		0.500	0.280	ug/Sample		11/14/22 12:15	11/16/22 11:46	1
Chromium	2.727		1.00	0.190	ug/Sample		11/14/22 12:15	11/16/22 11:46	1
Cobalt	ND		5.00	1.00	ug/Sample		11/14/22 12:15	11/16/22 11:46	1
Lead	ND		1.00	0.470	ug/Sample		11/14/22 12:15	11/16/22 11:46	1
Manganese	ND		1.50	0.120	ug/Sample		11/14/22 12:15	11/16/22 11:46	1
Nickel	0.4930	J	4.00	0.250	ug/Sample		11/14/22 12:15	11/16/22 11:46	1
Selenium	ND		1.00	0.660	ug/Sample		11/14/22 12:15	11/16/22 11:46	1

Lab Sample ID: LCS 140-67442/4-A
Matrix: Air
Analysis Batch: 67568

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 67442

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	50.0	50.22		ug/Sample		100	80 - 120
Arsenic	10.0	10.49		ug/Sample		105	80 - 120
Beryllium	5.00	5.092		ug/Sample		102	80 - 120
Cadmium	5.00	5.022		ug/Sample		100	80 - 120
Chromium	20.0	20.49		ug/Sample		102	80 - 120
Cobalt	10.0	10.32		ug/Sample		103	80 - 120
Lead	10.0	9.748		ug/Sample		97	80 - 120
Manganese	10.0	9.992		ug/Sample		100	80 - 120
Nickel	50.0	51.85		ug/Sample		104	80 - 120
Selenium	15.0	14.26		ug/Sample		95	80 - 120

Lab Sample ID: LCSD 140-67442/5-A
Matrix: Air
Analysis Batch: 67568

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 67442

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	50.0	49.70		ug/Sample		99	80 - 120	1	20
Arsenic	10.0	10.36		ug/Sample		104	80 - 120	1	20
Beryllium	5.00	5.046		ug/Sample		101	80 - 120	1	20
Cadmium	5.00	4.995		ug/Sample		100	80 - 120	1	20
Chromium	20.0	20.37		ug/Sample		102	80 - 120	1	20
Cobalt	10.0	10.26		ug/Sample		103	80 - 120	1	20
Lead	10.0	9.766		ug/Sample		98	80 - 120	0	20
Manganese	10.0	9.875		ug/Sample		99	80 - 120	1	20
Nickel	50.0	51.49		ug/Sample		103	80 - 120	1	20
Selenium	15.0	13.91		ug/Sample		93	80 - 120	2	20

Lab Sample ID: MB 140-67443/2-A
Matrix: Air
Analysis Batch: 67568

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 67443

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		6.00	0.840	ug/Sample		11/14/22 12:18	11/16/22 11:17	1

Method: 29/6010C - Metals (ICP), Stationary Source (Continued)

Lab Sample ID: MB 140-67443/2-A
Matrix: Air
Analysis Batch: 67568

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 67443

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.00	0.180	ug/Sample		11/14/22 12:18	11/16/22 11:17	1
Beryllium	ND		0.500	0.0470	ug/Sample		11/14/22 12:18	11/16/22 11:17	1
Cadmium	ND		0.500	0.0180	ug/Sample		11/14/22 12:18	11/16/22 11:17	1
Chromium	ND		1.00	0.180	ug/Sample		11/14/22 12:18	11/16/22 11:17	1
Cobalt	ND		5.00	0.100	ug/Sample		11/14/22 12:18	11/16/22 11:17	1
Lead	ND		1.00	0.480	ug/Sample		11/14/22 12:18	11/16/22 11:17	1
Manganese	ND		1.50	0.180	ug/Sample		11/14/22 12:18	11/16/22 11:17	1
Nickel	ND		4.00	0.260	ug/Sample		11/14/22 12:18	11/16/22 11:17	1
Selenium	ND		1.00	0.390	ug/Sample		11/14/22 12:18	11/16/22 11:17	1

Lab Sample ID: LCS 140-67443/3-A
Matrix: Air
Analysis Batch: 67568

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 67443

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	50.0	47.84		ug/Sample		96	80 - 120
Arsenic	10.0	9.647		ug/Sample		96	80 - 120
Beryllium	5.00	5.255		ug/Sample		105	80 - 120
Cadmium	5.00	4.931		ug/Sample		99	80 - 120
Chromium	20.0	20.25		ug/Sample		101	80 - 120
Cobalt	10.0	10.08		ug/Sample		101	80 - 120
Lead	10.0	9.514		ug/Sample		95	80 - 120
Manganese	10.0	9.820		ug/Sample		98	80 - 120
Nickel	50.0	50.47		ug/Sample		101	80 - 120
Selenium	15.0	13.78		ug/Sample		92	80 - 120

Lab Sample ID: LCSD 140-67443/4-A
Matrix: Air
Analysis Batch: 67568

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 67443

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	50.0	48.87		ug/Sample		98	80 - 120	2	20
Arsenic	10.0	9.848		ug/Sample		98	80 - 120	2	20
Beryllium	5.00	5.366		ug/Sample		107	80 - 120	2	20
Cadmium	5.00	5.058		ug/Sample		101	80 - 120	3	20
Chromium	20.0	20.68		ug/Sample		103	80 - 120	2	20
Cobalt	10.0	10.37		ug/Sample		104	80 - 120	3	20
Lead	10.0	9.929		ug/Sample		99	80 - 120	4	20
Manganese	10.0	10.03		ug/Sample		100	80 - 120	2	20
Nickel	50.0	51.89		ug/Sample		104	80 - 120	3	20
Selenium	15.0	14.20		ug/Sample		95	80 - 120	3	20

Method: 29/7470A - Mercury (CVAA), Stationary Source

Lab Sample ID: MB 140-67442/3-B
Matrix: Air
Analysis Batch: 67613

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 67442

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.0840	ug/Sample		11/14/22 12:15	11/17/22 11:21	1

Method: 29/7470A - Mercury (CVAA), Stationary Source

Lab Sample ID: LCS 140-67442/4-B
Matrix: Air
Analysis Batch: 67613

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 67442

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	5.00	5.059		ug/Sample		101	80 - 120

Lab Sample ID: LCSD 140-67442/5-B
Matrix: Air
Analysis Batch: 67613

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 67442

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	5.00	5.079		ug/Sample		102	80 - 120	0	20

Lab Sample ID: MB 140-67451/1-B
Matrix: Air
Analysis Batch: 67613

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 67459

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.400	0.120	ug/Sample		11/16/22 08:00	11/17/22 14:34	1

Lab Sample ID: LCS 140-67451/2-B
Matrix: Air
Analysis Batch: 67613

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 67459

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	10.0	9.805		ug/Sample		98	80 - 120

Lab Sample ID: MB 140-67449/1-B
Matrix: Air
Analysis Batch: 67613

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 67461

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0200	0.00600	ug/Sample		11/16/22 08:00	11/17/22 12:55	1

Lab Sample ID: LCS 140-67449/2-B
Matrix: Air
Analysis Batch: 67613

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 67461

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.500	0.5226		ug/Sample		105	80 - 120

Lab Sample ID: MB 140-67450/1-B
Matrix: Air
Analysis Batch: 67613

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 67462

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0500	0.0220	ug/Sample		11/16/22 08:00	11/17/22 13:43	1

Lab Sample ID: LCS 140-67450/2-B
Matrix: Air
Analysis Batch: 67613

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 67462

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	1.25	1.264		ug/Sample		101	80 - 120

QC Association Summary

Client: TRC Environmental Corporation
Project/Site: Georgia Power Mcintosh ICR-Unit 1 FO-M5/29

Job ID: 140-28988-2

Metals

Prep Batch: 67442

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-28988-51	BLANK_HNO3_CONT 8A	Total/NA	Air	AT Prep (FH)	
140-28988-56	BLANK_SAMPLE FILTERS_CONT 12	Total/NA	Air	AT Prep (FH)	
MB 140-67442/3-A	Method Blank	Total/NA	Air	AT Prep (FH)	
MB 140-67442/3-B	Method Blank	Total/NA	Air	AT Prep (FH)	
LCS 140-67442/4-A	Lab Control Sample	Total/NA	Air	AT Prep (FH)	
LCS 140-67442/4-B	Lab Control Sample	Total/NA	Air	AT Prep (FH)	
LCSD 140-67442/5-A	Lab Control Sample Dup	Total/NA	Air	AT Prep (FH)	
LCSD 140-67442/5-B	Lab Control Sample Dup	Total/NA	Air	AT Prep (FH)	

Prep Batch: 67443

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-28988-53	BLANK_HNO3-H2O2_CONT 9	Total/NA	Air	AT Prep (BH)	
MB 140-67443/2-A	Method Blank	Total/NA	Air	AT Prep (BH)	
LCS 140-67443/3-A	Lab Control Sample	Total/NA	Air	AT Prep (BH)	
LCSD 140-67443/4-A	Lab Control Sample Dup	Total/NA	Air	AT Prep (BH)	

Pre Prep Batch: 67449

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-28988-54	BLANK_KMNO4-H2SO4_CONT 10	Total/NA	Air	Air Train Vol.	
MB 140-67449/1-B	Method Blank	Total/NA	Air	Air Train Vol.	
LCS 140-67449/2-B	Lab Control Sample	Total/NA	Air	Air Train Vol.	

Pre Prep Batch: 67450

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-28988-55	BLANK_8N-HCL_CONT 11	Total/NA	Air	Air Train Vol.	
MB 140-67450/1-B	Method Blank	Total/NA	Air	Air Train Vol.	
LCS 140-67450/2-B	Lab Control Sample	Total/NA	Air	Air Train Vol.	

Pre Prep Batch: 67451

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-28988-53	BLANK_HNO3-H2O2_CONT 9	Total/NA	Air	Air Train Vol.	
MB 140-67451/1-B	Method Blank	Total/NA	Air	Air Train Vol.	
LCS 140-67451/2-B	Lab Control Sample	Total/NA	Air	Air Train Vol.	

Prep Batch: 67459

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-28988-53	BLANK_HNO3-H2O2_CONT 9	Total/NA	Air	AT Prep (BH)	67451
MB 140-67451/1-B	Method Blank	Total/NA	Air	AT Prep (BH)	67451
LCS 140-67451/2-B	Lab Control Sample	Total/NA	Air	AT Prep (BH)	67451

Prep Batch: 67461

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-28988-54	BLANK_KMNO4-H2SO4_CONT 10	Total/NA	Air	AT Prep (KMnO4)	67449
MB 140-67449/1-B	Method Blank	Total/NA	Air	AT Prep (KMnO4)	67449
LCS 140-67449/2-B	Lab Control Sample	Total/NA	Air	AT Prep (KMnO4)	67449

Prep Batch: 67462

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-28988-55	BLANK_8N-HCL_CONT 11	Total/NA	Air	AT Prep (HCl)	67450

Metals (Continued)

Prep Batch: 67462 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 140-67450/1-B	Method Blank	Total/NA	Air	AT Prep (HCl)	67450
LCS 140-67450/2-B	Lab Control Sample	Total/NA	Air	AT Prep (HCl)	67450

Cleanup Batch: 67505

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-28988-51	BLANK_HNO3_CONT 8A	Total/NA	Air	AT Prep FH	67442
140-28988-56	BLANK_SAMPLE FILTERS_CONT 12	Total/NA	Air	AT Prep FH	67442
MB 140-67442/3-B	Method Blank	Total/NA	Air	AT Prep FH	67442
LCS 140-67442/4-B	Lab Control Sample	Total/NA	Air	AT Prep FH	67442
LCSD 140-67442/5-B	Lab Control Sample Dup	Total/NA	Air	AT Prep FH	67442

Analysis Batch: 67568

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-28988-51	BLANK_HNO3_CONT 8A	Total/NA	Air	29/6010C	67442
140-28988-53	BLANK_HNO3-H2O2_CONT 9	Total/NA	Air	29/6010C	67443
140-28988-56	BLANK_SAMPLE FILTERS_CONT 12	Total/NA	Air	29/6010C	67442
MB 140-67442/3-A	Method Blank	Total/NA	Air	29/6010C	67442
MB 140-67443/2-A	Method Blank	Total/NA	Air	29/6010C	67443
LCS 140-67442/4-A	Lab Control Sample	Total/NA	Air	29/6010C	67442
LCS 140-67443/3-A	Lab Control Sample	Total/NA	Air	29/6010C	67443
LCSD 140-67442/5-A	Lab Control Sample Dup	Total/NA	Air	29/6010C	67442
LCSD 140-67443/4-A	Lab Control Sample Dup	Total/NA	Air	29/6010C	67443

Analysis Batch: 67612

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-28988-56	BLANK_SAMPLE FILTERS_CONT 12	Total/NA	Air	29/6010C	67442

Analysis Batch: 67613

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-28988-51	BLANK_HNO3_CONT 8A	Total/NA	Air	29/7470A	67505
140-28988-53	BLANK_HNO3-H2O2_CONT 9	Total/NA	Air	29/7470A	67459
140-28988-54	BLANK_KMNO4-H2SO4_CONT 10	Total/NA	Air	29/7470A	67461
140-28988-55	BLANK_8N-HCL_CONT 11	Total/NA	Air	29/7470A	67462
140-28988-56	BLANK_SAMPLE FILTERS_CONT 12	Total/NA	Air	29/7470A	67505
MB 140-67442/3-B	Method Blank	Total/NA	Air	29/7470A	67505
MB 140-67449/1-B	Method Blank	Total/NA	Air	29/7470A	67461
MB 140-67450/1-B	Method Blank	Total/NA	Air	29/7470A	67462
MB 140-67451/1-B	Method Blank	Total/NA	Air	29/7470A	67459
LCS 140-67442/4-B	Lab Control Sample	Total/NA	Air	29/7470A	67505
LCS 140-67449/2-B	Lab Control Sample	Total/NA	Air	29/7470A	67461
LCS 140-67450/2-B	Lab Control Sample	Total/NA	Air	29/7470A	67462
LCS 140-67451/2-B	Lab Control Sample	Total/NA	Air	29/7470A	67459
LCSD 140-67442/5-B	Lab Control Sample Dup	Total/NA	Air	29/7470A	67505

General Chemistry

Analysis Batch: 67264

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-28988-50	BLANK_ACETONE_CONT 7	Total/NA	Air	5	
140-28988-56	BLANK_SAMPLE FILTERS_CONT 12	Total/NA	Air	5	

Lab Chronicle

Client: TRC Environmental Corporation
Job ID: 140-28988-2
Project/Site: Georgia Power Mcintosh ICR-Unit 1 FO-M5/29

Client Sample ID: BLANK_ACETONE_CONT 7
Lab Sample ID: 140-28988-50
Date Collected: 09/17/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	5		1			67264	11/11/22 15:50	SJF	EET KNX
	Instrument ID: NOEQUIP									

Client Sample ID: BLANK_HNO3_CONT 8A
Lab Sample ID: 140-28988-51
Date Collected: 09/17/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	67442	11/14/22 12:15	KNC	EET KNX
Total/NA	Analysis	29/6010C		1			67568	11/16/22 14:51	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	67442	11/14/22 12:15	KNC	EET KNX
Total/NA	Cleanup	AT Prep FH			5 mL	50 mL	67505	11/16/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			67613	11/17/22 11:28	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: BLANK_HNO3-H2O2_CONT 9
Lab Sample ID: 140-28988-53
Date Collected: 09/17/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (BH)			1 Sample	100 mL	67443	11/14/22 12:18	KNC	EET KNX
Total/NA	Analysis	29/6010C		1			67568	11/16/22 12:40	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Pre Prep	Air Train Vol.			1 Sample	100 mL	67451	11/15/22 13:00	LAH	EET KNX
Total/NA	Prep	AT Prep (BH)			2.5 mL	50 mL	67459	11/16/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			67613	11/17/22 15:02	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: BLANK_KMNO4-H2SO4_CONT 10
Lab Sample ID: 140-28988-54
Date Collected: 09/17/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	85 mL	67449	11/15/22 08:00	LAH	EET KNX
Total/NA	Prep	AT Prep (KMnO4)			25 mL	50 mL	67461	11/16/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			67613	11/17/22 13:40	LAH	EET KNX
	Instrument ID: ADT									

Lab Chronicle

Client: TRC Environmental Corporation
Job ID: 140-28988-2
Project/Site: Georgia Power Mcintosh ICR-Unit 1 FO-M5/29

Client Sample ID: BLANK_8N-HCL_CONT 11
Lab Sample ID: 140-28988-55
Date Collected: 09/17/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	150 mL	67450	11/14/22 14:34	LAH	EET KNX
Total/NA	Prep	AT Prep (HCl)			10 mL	50 mL	67462	11/16/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			67613	11/17/22 14:31	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: BLANK_SAMPLE FILTERS_CONT 12
Lab Sample ID: 140-28988-56
Date Collected: 09/17/22 00:00
Matrix: Air
Date Received: 09/28/22 19:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	67442	11/14/22 12:15	KNC	EET KNX
Total/NA	Analysis	29/6010C		1			67568	11/16/22 15:11	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	67442	11/14/22 12:15	KNC	EET KNX
Total/NA	Analysis	29/6010C		2			67612	11/17/22 11:38	KNC	EET KNX
	Instrument ID: DUO									
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	67442	11/14/22 12:15	KNC	EET KNX
Total/NA	Cleanup	AT Prep FH			5 mL	50 mL	67505	11/16/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			67613	11/17/22 11:31	LAH	EET KNX
	Instrument ID: ADT									
Total/NA	Analysis	5		1			67264	11/11/22 15:50	SJF	EET KNX
	Instrument ID: NOEQUIP									

Client Sample ID: Method Blank
Lab Sample ID: MB 140-67442/3-A
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	67442	11/14/22 12:15	KNC	EET KNX
Total/NA	Analysis	29/6010C		1			67568	11/16/22 11:46	KNC	EET KNX
	Instrument ID: DUO									

Client Sample ID: Method Blank
Lab Sample ID: MB 140-67442/3-B
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	67442	11/14/22 12:15	KNC	EET KNX
Total/NA	Cleanup	AT Prep FH			5 mL	50 mL	67505	11/16/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			67613	11/17/22 11:21	LAH	EET KNX
	Instrument ID: ADT									

Lab Chronicle

Client: TRC Environmental Corporation
Job ID: 140-28988-2
Project/Site: Georgia Power Mcintosh ICR-Unit 1 FO-M5/29

Client Sample ID: Method Blank
Lab Sample ID: MB 140-67443/2-A
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (BH)			1 Sample	100 mL	67443	11/14/22 12:18	KNC	EET KNX
Total/NA	Analysis	29/6010C		1			67568	11/16/22 11:17	KNC	EET KNX
	Instrument ID: DUO									

Client Sample ID: Method Blank
Lab Sample ID: MB 140-67449/1-B
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	50 mL	67449	11/15/22 08:00	LAH	EET KNX
Total/NA	Prep	AT Prep (KMnO4)			25 mL	50 mL	67461	11/16/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			67613	11/17/22 12:55	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: Method Blank
Lab Sample ID: MB 140-67450/1-B
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	50 mL	67450	11/14/22 14:34	LAH	EET KNX
Total/NA	Prep	AT Prep (HCl)			10 mL	50 mL	67462	11/16/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			67613	11/17/22 13:43	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: Method Blank
Lab Sample ID: MB 140-67451/1-B
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	100 mL	67451	11/15/22 13:00	LAH	EET KNX
Total/NA	Prep	AT Prep (BH)			2.5 mL	50 mL	67459	11/16/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			67613	11/17/22 14:34	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 140-67442/4-A
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	67442	11/14/22 12:15	KNC	EET KNX
Total/NA	Analysis	29/6010C		1			67568	11/16/22 11:51	KNC	EET KNX
	Instrument ID: DUO									

Lab Chronicle

Client: TRC Environmental Corporation
Job ID: 140-28988-2
Project/Site: Georgia Power Mcintosh ICR-Unit 1 FO-M5/29

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 140-67442/4-B
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	67442	11/14/22 12:15	KNC	EET KNX
Total/NA	Cleanup	AT Prep FH			5 mL	50 mL	67505	11/16/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			67613	11/17/22 11:23	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 140-67443/3-A
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (BH)			1 Sample	100 mL	67443	11/14/22 12:18	KNC	EET KNX
Total/NA	Analysis	29/6010C		1			67568	11/16/22 11:22	KNC	EET KNX
	Instrument ID: DUO									

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 140-67449/2-B
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	50 mL	67449	11/15/22 08:00	LAH	EET KNX
Total/NA	Prep	AT Prep (KMnO4)			25 mL	50 mL	67461	11/16/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			67613	11/17/22 12:57	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 140-67450/2-B
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	50 mL	67450	11/14/22 14:34	LAH	EET KNX
Total/NA	Prep	AT Prep (HCl)			10 mL	50 mL	67462	11/16/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			67613	11/17/22 13:45	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 140-67451/2-B
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Air Train Vol.			1 Sample	100 mL	67451	11/15/22 13:00	LAH	EET KNX
Total/NA	Prep	AT Prep (BH)			2.5 mL	50 mL	67459	11/16/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			67613	11/17/22 14:36	LAH	EET KNX
	Instrument ID: ADT									

Lab Chronicle

Client: TRC Environmental Corporation
Job ID: 140-28988-2
Project/Site: Georgia Power Mcintosh ICR-Unit 1 FO-M5/29

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 140-67442/5-A
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	67442	11/14/22 12:15	KNC	EET KNX
Total/NA	Analysis	29/6010C		1			67568	11/16/22 11:56	KNC	EET KNX
	Instrument ID: DUO									

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 140-67442/5-B
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (FH)			1 Sample	100 mL	67442	11/14/22 12:15	KNC	EET KNX
Total/NA	Cleanup	AT Prep FH			5 mL	50 mL	67505	11/16/22 08:00	LAH	EET KNX
Total/NA	Analysis	29/7470A		1			67613	11/17/22 11:26	LAH	EET KNX
	Instrument ID: ADT									

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 140-67443/4-A
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	AT Prep (BH)			1 Sample	100 mL	67443	11/14/22 12:18	KNC	EET KNX
Total/NA	Analysis	29/6010C		1			67568	11/16/22 11:27	KNC	EET KNX
	Instrument ID: DUO									

Laboratory References:
EET KNX = Eurofins Knoxville, 5815 Middlebrook Pike, Knoxville, TN 37921, TEL (865)291-3000

Accreditation/Certification Summary

Client: TRC Environmental Corporation
Job ID: 140-28988-2
Project/Site: Georgia Power Mcintosh ICR-Unit 1 FO-M5/29

Laboratory: Eurofins Knoxville

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
	AFCEE	N/A	
ANAB	Dept. of Defense ELAP	L2311	02-13-25
ANAB	Dept. of Energy	L2311.01	02-13-25
ANAB	ISO/IEC 17025	L2311	02-13-25
Arkansas DEQ	State	88-0688	06-16-23
California	State	2423	06-30-22 *
Colorado	State	TN00009	02-28-23
Connecticut	State	PH-0223	09-30-23
Florida	NELAP	E87177	06-30-23
Georgia (DW)	State	906	12-11-22
Hawaii	State	NA	12-11-22
Kansas	NELAP	E-10349	10-31-23
Kentucky (DW)	State	90101	12-31-22
Louisiana	NELAP	83979	06-30-23
Louisiana (All)	NELAP	83979	06-30-23
Louisiana (DW)	State	LA019	12-31-22
Maryland	State	277	03-31-23
Michigan	State	9933	12-11-22
Nevada	State	TN00009	07-31-23
New Hampshire	NELAP	299919	01-17-23
New Jersey	NELAP	TN001	06-30-23
New York	NELAP	10781	03-31-23
North Carolina (DW)	State	21705	07-31-23
North Carolina (WW/SW)	State	64	12-31-22
Ohio VAP	State	CL0059	06-02-23
Oklahoma	State	9415	08-31-23
Oregon	NELAP	TNI0189	12-31-22
Pennsylvania	NELAP	68-00576	12-01-23
Tennessee	State	02014	07-27-25
Texas	NELAP	T104704380-22-17	08-31-23
US Fish & Wildlife	US Federal Programs	058448	07-31-23
USDA	US Federal Programs	P330-19-00236	12-31-22
Utah	NELAP	TN00009	07-31-23
Virginia	NELAP	460176	09-14-23
Washington	State	C593	01-19-23
West Virginia (DW)	State	9955C	12-31-22
West Virginia DEP	State	345	04-30-23
Wisconsin	State	998044300	08-31-23

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins Knoxville

Method Summary

Client: TRC Environmental Corporation
Job ID: 140-28988-2
Project/Site: Georgia Power Mcintosh ICR-Unit 1 FO-M5/29

Method	Method Description	Protocol	Laboratory
29/6010C	Metals (ICP), Stationary Source	EPA	EET KNX
29/7470A	Mercury (CVAA), Stationary Source	EPA	EET KNX
5	Particulates	EPA	EET KNX
Air Train Vol.	Air Train Volume	None	EET KNX
AT Prep (BH)	Preparation, Mercury (Stationary Source)	EPA	EET KNX
AT Prep (BH)	Preparation, Total Metals (Stationary Source)	EPA	EET KNX
AT Prep (FH)	Preparation, Total Metals (Stationary Source)	EPA	EET KNX
AT Prep (HCl)	Preparation, Mercury (Stationary Source)	EPA	EET KNX
AT Prep (KMnO4)	Preparation, Mercury (Stationary Source)	EPA	EET KNX
AT Prep FH	Preparation, Mercury (Stationary Source) FH	EPA	EET KNX

Protocol References:

EPA = US Environmental Protection Agency

None = None

Laboratory References:

EET KNX = Eurofins Knoxville, 5815 Middlebrook Pike, Knoxville, TN 37921, TEL (865)291-3000

Sample Summary

Client: TRC Environmental Corporation
Job ID: 140-28988-2
Project/Site: Georgia Power Mcintosh ICR-Unit 1 FO-M5/29

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
140-28988-50	BLANK_ACETONE_CONT 7	Air	09/17/22 00:00	09/28/22 19:45
140-28988-51	BLANK_HNO3_CONT 8A	Air	09/17/22 00:00	09/28/22 19:45
140-28988-53	BLANK_HNO3-H2O2_CONT 9	Air	09/17/22 00:00	09/28/22 19:45
140-28988-54	BLANK_KMNO4-H2SO4_CONT 10	Air	09/17/22 00:00	09/28/22 19:45
140-28988-55	BLANK_8N-HCL_CONT 11	Air	09/17/22 00:00	09/28/22 19:45
140-28988-56	BLANK_SAMPLE FILTERS_CONT 12	Air	09/17/22 00:00	09/28/22 19:45

Eurofins Knoxville

Job Notes

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The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins TestAmerica Project Manager.

Authorization

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Authorized for release by
Courtney Adkins, Project Manager II
Courtney.Adkins@et.eurofinsus.com
(865)291-3019

Processed Field Data and Results

Isokinetic Test Support Data

Company:	Georgia Power	**Project#:**	491281
Plant:	McIntosh Plant	**Test Method(s):**	5/29
Unit ID:	CT Unit 1 - NG	**Test Run #:**	1
Location:	Exhaust	**Test Date(s):**	9/14/2022

Console Operator:	A. Frank		**Unit Operating Mode:**	Max	
Console ID:	M16		**Duct Shape/Area:**	Round / 188.69	ft^2
Meter Y:	1.0105		**F_d Factor:**		dscf/MMBtu
Orifice $\Delta H_{@i}$:	1.899		**F_c Factor:**		scf/MMBtu
Pitot Tube ID:	RPTI-8A		**F_w Factor:**		wscf/MMBtu
Cal. coefficient (C_p):	0.827		**Fuel heat content:**		Btu /
Probe Liner Material:	Quartz		**Process/fuel flow rate:**		
Nozzle Material:	Quartz		**Soot blown?**	N/A	**Fuel Type:**
Nozzle Diameter (D_n):	0.233	in	**Duration:**	N/A	min

Sample collection time				**Tare wt.**	**Final wt:**
Total # of points:	24		**Imp #**	**Contents**	**(grams)**	**(grams)**
Target Sample time/point:	8.0	min	1	Empty	643.9	927.0
Target run duration:	192.0	min	2	HNO3/H2O2	760.0	935.8
			3	HNO3/H2O2	763.9	829.6
Barometric Pressure (P_{bar}):	29.90	in Hg	4	Empty	688.5	693.4
Stack Static Pressure (P_g):	-1.50	in H2O	5	KMnO4/H2SO4	771.8	768.7
Stack Pressure (P_s):	29.79	in Hg	6	KMnO4/H2SO4	750.9	750.9
			7	SiGel	958.9	999.7
Leak Checks						
Pre-Test Train Leak Check:	0.001	CFM @ 15 "Hg			**Net grams (M_{H20}):**	567.2
Pre-Test Pitot Leak Check:	Pass	(Pass or Fail)				
Post-Test Train Leak Rate:	0.001	CFM @ 17 "Hg	**Gas Molecular Weight Method:**			
Post-Test Pitot Leak Check:	Pass	(Pass or Fail)	Method 3A, Instrumental	**% CO_2 :**	3.47	%vol dry
Pump/Orifice Leak Check:	Pass	(Pass or Fail)		**% O_2 :**	14.75	%vol dry
Filter/Thimble ID:	513241			**% Nitrogen + % CO :**	81.78	%vol dry
Tare Weight:		grams		**M_d - dry basis :**	29.15	lb/lb-mole

Description of Filter and Front Half Rinses:

Description of Impinger liquid:

General Comments:

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Isokinetic Test - Processed Traverse Data

Company: Georgia Power
Plant: McIntosh Plant
Unit: CT Unit 1 - NG
Location: Exhaust

Project #: 491281
Method(s): 5/29
Run #: 1

Test Date: 9/14/2022
K-Factor: 1.047
Minutes/pt: 10

Port & Point ID	Clock Time	Meter Volume (V_m) ft^3	ΔP ("H_2O)	Stack (Ts) °F	Dry Gas Meter Inlet (T_{min}) °F	Dry Gas Meter Outlet (T_{mout}) °F	Orifice ΔH ("H_2O)	Sample Vacuum ("Hg)
A1	7:15:00	568.375	2.60	933	72	72	2.70	6.0
A2	7:25:00	575.86	1.80	934	74	74	1.90	6.0
A3	7:35:00	583.56	1.50	939	77	77	1.60	5.0
A4	7:45:00	590.63	1.40	940	79	73	1.50	4.0
A5	7:55:00	596.53	1.20	942	81	74	1.30	4.0
A6	8:05:00	603.04	1.30	940	81	75	1.40	4.0
	8:15:00	609.788						
B1	8:20:00	609.788	2.20	927	78	75	2.30	5.5
B2	8:30:00	617.72	1.20	928	79	75	1.30	4.5
B3	8:40:00	624.01	0.87	928	80	75	0.91	3.5
B4	8:50:00	629.42	0.68	928	80	76	0.71	3.0
B5	9:00:00	633.66	0.53	929	80	76	0.55	2.5
B6	9:10:00	638.11	0.37	928	80	76	0.38	2.5
	9:20:00	641.114						
C1	9:50:00	641.114	4.10	931	78	77	4.30	9.5
C2	10:00:00	651.95	3.60	931	82	77	3.80	9.0
C3	10:10:00	662.31	3.60	928	85	78	3.80	9.0
C4	10:20:00	672.63	4.00	920	87	79	4.20	9.5
C5	10:30:00	683.43	4.10	923	88	80	4.30	10.0
C6	10:40:00	695.01	3.60	920	88	81	3.80	9.0
	10:50:00	704.786						
D1	10:55:00	704.786	4.30	941	86	81	4.50	9.5
D2	11:05:00	716.23	4.50	953	88	82	4.70	10.5
D3	11:15:00	727.63	4.60	958	89	82	4.80	11.5
D4	11:25:00	738.96	4.60	961	90	83	4.80	11.5
D5	11:35:00	750.83	4.50	959	90	84	4.70	11.5
D6	11:45:00	762.48	3.35	960	88	83	3.40	10.5
	11:55:00	775.950						
Run Times:		V_m, ft^3	Ave. ΔP	T_s, °F	T_m, °F		ΔH	Max. Vac.
Start	7:15	207.575	2.69	936.7	82.5	77.7	2.819	11.5
End	11:55		Ave. √ΔP	T_s, °R	Ave. T_m, °R			
			1.56	1396.4	539.8			
Comments/Notes:								

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Isokinetic Test Support Data

Company:	Georgia Power	Project#:	491281
Plant:	McIntosh Plant	Test Method(s):	5/29
Unit ID:	CT Unit 1 - NG	Test Run #:	2
Location:	Exhaust	Test Date(s):	9/14/2022

Console Operator:	A. Frank	Unit Operating Mode:	Max		
Console ID:	E13	Duct Shape/Area:	Round	/ 188.69	ft^2
Meter Y:	0.9941	F_d Factor:		dscf/MMBtu	
Orifice $\Delta H_{@i}$:	1.739	F_c Factor:		scf/MMBtu	
Pitot Tube ID:	RPTI-8B	F_w Factor:		wscf/MMBtu	
Cal. coefficient (C_p):	0.825	Fuel heat content:		Btu /	
Probe Liner Material:	Quartz	Process/fuel flow rate:			
Nozzle Material:	Quartz	Soot blown?	N/A	Fuel Type:	
Nozzle Diameter (D_n):	0.233 in	Duration:	N/A	min	

Sample collection time				Tare wt.	Final wt:
Total # of points:	24	Imp #	Contents	(grams)	(grams)
Target Sample time/point:	8.0 min	1	Empty	647.7	920.9
Target run duration:	192.0 min	2	HNO3/H2O2	747.3	931.2
		3	HNO3/H2O2	751.6	817.7
Barometric Pressure (P_{bar}):	29.90 in Hg	4	Empty	636.2	640.3
Stack Static Pressure (P_g):	-1.50 in H2O	5	KMnO4/H2SO4	764.4	762.4
Stack Pressure (P_s):	29.79 in Hg	6	KMnO4/H2SO4	756.0	755.3
		7	SiGel	937.7	974.8
Leak Checks					
Pre-Test Train Leak Check:	0.001 CFM @ 16 "Hg			Net grams (M_{H2O}):	561.7
Pre-Test Pitot Leak Check:	Pass (Pass or Fail)				
Post-Test Train Leak Rate:	0.001 CFM @ 15 "Hg	Gas Molecular Weight Method:			
Post-Test Pitot Leak Check:	Pass (Pass or Fail)	Method 3A, Instrumental	% CO_2 :	3.56	%vol dry
Pump/Orifice Leak Check:	Pass (Pass or Fail)		% O_2 :	14.63	%vol dry
Filter/Thimble ID:	513242		% Nitrogen + % CO :	81.81	%vol dry
Tare Weight:	grams		M_d - dry basis :	29.16	lb/lb-mole

Description of Filter and Front Half Rinses:

Filter had yellow tint when recovered

Description of Impinger liquid:

General Comments:

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Isokinetic Test - Processed Traverse Data

Company: Georgia Power
Plant: McIntosh Plant
Unit: CT Unit 1 - NG
Location: Exhaust

Project #: 491281
Method(s): 5/29
Run #: 2

Test Date: 9/14/2022
K-Factor: 1.047
Minutes/pt: 10

Port & Point ID	Clock Time	Meter Volume (V_m) ft^3	ΔP ("H_2O)	Stack (Ts) °F	Dry Gas Meter Inlet (T_{min}) °F	Dry Gas Meter Outlet (T_{mout}) °F	Orifice ΔH ("H_2O)	Sample Vacuum ("Hg)
A1	12:10:00	131.343	2.20	956	80	77	2.30	7.0
A2	12:20:00	139.96	1.30	957	77	76	1.40	5.5
A3	12:30:00	146.84	0.85	959	76	76	0.88	2.5
A4	12:40:00	152.29	0.63	959	77	77	0.65	2.5
A5	12:50:00	156.94	0.52	961	78	78	0.54	2.5
A6	13:00:00	161.14	0.37	954	78	78	0.38	2.0
	13:10:00	164.660						
B1	13:15:00	164.660	3.80	946	78	78	4.00	11.0
B2	13:25:00	175.76	3.60	958	79	79	3.80	11.0
B3	13:35:00	186.74	3.50	949	79	79	3.70	11.0
B4	13:45:00	197.55	3.90	946	80	80	4.10	12.0
B5	13:55:00	208.93	4.10	943	79	79	4.30	12.5
B6	14:05:00	220.64	3.40	941	79	79	3.60	11.0
	14:15:00	231.440						
C1	14:31:00	231.440	4.30	964	78	78	4.50	13.0
C2	14:41:00	243.27	4.50	967	77	77	4.70	13.5
C3	14:51:00	255.32	4.50	971	78	78	4.70	13.5
C4	15:01:00	267.43	4.50	971	77	77	4.70	14.0
C5	15:11:00	279.52	4.40	970	78	78	4.60	13.0
C6	15:21:00	291.47	3.60	964	78	78	3.80	12.0
	15:31:00	302.562						
D1	15:46:00	302.562	2.10	985	78	78	2.20	6.5
D2	15:56:00	310.96	1.80	980	77	77	1.90	6.0
D3	16:06:00	318.83	1.50	979	76	76	1.60	5.5
D4	16:16:00	326.17	1.30	980	77	77	1.40	5.0
D5	16:26:00	332.73	1.30	980	77	77	1.40	5.0
D6	16:36:00	337.07	1.10	977	78	78	1.20	4.0
	16:46:00	340.275						

Run Times:		V_m, ft^3	Ave. ΔP	T_s, °F	T_m, °F		ΔH	Max. Vac.
Start	12:10	208.932	2.63	963.2	77.9	77.7	2.765	14
End	16:46		Ave. √ΔP	T_s, °R	Ave. T_m, °R			
			1.54	1422.9	537.5			
Comments/Notes:								

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Isokinetic Test Support Data

Company:	Georgia Power	Project#:	491281
Plant:	McIntosh Plant	Test Method(s):	5/29
Unit ID:	CT Unit 1 - NG	Test Run #:	3
Location:	Exhaust	Test Date(s):	9/15/2022

Console Operator:	A. Frank		Unit Operating Mode:	Max	
Console ID:	E13		Duct Shape/Area:	Round / 188.69	ft^2
Meter Y:	0.9941		F_d Factor:		dscf/MMBtu
Orifice $\Delta H_{@i}$:	1.739		F_c Factor:		scf/MMBtu
Pitot Tube ID:	RPTI-8B		F_w Factor:		wscf/MMBtu
Cal. coefficient (C_p):	0.825		Fuel heat content:		Btu /
Probe Liner Material:	Quartz		Process/fuel flow rate:		
Nozzle Material:	Quartz		Soot blown?	N/A	Fuel Type:
Nozzle Diameter (D_n):	0.233 in		Duration:	N/A min	

Sample collection time				Tare wt.	Final wt:
Total # of points:	24	Imp #	Contents	(grams)	(grams)
Target Sample time/point:	8.0 min	1	Empty	647.4	956.0
Target run duration:	192.0 min	2	HNO3/H2O2	762.4	894.4
		3	HNO3/H2O2	765.8	772.6
Barometric Pressure (P_{bar}):	29.95 in Hg	4	Empty	691.0	692.9
Stack Static Pressure (P_g):	-1.50 in H2O	5	KMnO4/H2SO4	773.0	771.3
Stack Pressure (P_s):	29.84 in Hg	6	KMnO4/H2SO4	753.6	754.1
		7	SiGel	991.3	1028.9
Leak Checks					
Pre-Test Train Leak Check:	0.001 CFM @ 15 "Hg			Net grams (M_{H2O}):	485.7
Pre-Test Pitot Leak Check:	Pass (Pass or Fail)				
Post-Test Train Leak Rate:	0.001 CFM @ 17 "Hg	Gas Molecular Weight Method:			
Post-Test Pitot Leak Check:	Pass (Pass or Fail)	Method 3A, Instrumental	% CO_2 :	3.44	%vol dry
Pump/Orifice Leak Check:	Pass (Pass or Fail)		% O_2 :	14.81	%vol dry
Filter/Thimble ID:	513239		% Nitrogen + % CO :	81.75	%vol dry
Tare Weight:	grams		M_d - dry basis :	29.14	lb/lb-mole

Description of Filter and Front Half Rinses:

Description of Impinger liquid:

General Comments:

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Isokinetic Test - Processed Traverse Data

Company: Georgia Power
Plant: McIntosh Plant
Unit: CT Unit 1 - NG
Location: Exhaust

Project #: 491281
Method(s): 5/29
Run #: 3

Test Date: 9/15/2022
K-Factor: 1.047
Minutes/pt: 8

Port & Point ID	Clock Time	Meter Volume (V_m) ft^3	ΔP ("H_2O)	Stack (Ts) °F	Dry Gas Meter Inlet (T_{min}) °F	Dry Gas Meter Outlet (T_{mout}) °F	Orifice ΔH ("H_2O)	Sample Vacuum ("Hg)
A1	7:15:00	342.778	2.60	923	75	75	2.70	6.0
A2	7:23:00	350.03	2.10	926	73	73	2.20	5.5
A3	7:31:00	356.68	1.60	928	73	73	1.70	5.0
A4	7:39:00	362.59	1.40	931	74	74	1.50	4.5
A5	7:47:00	368.16	1.40	932	74	74	1.50	4.5
A6	7:55:00	373.74	1.20	926	75	75	1.30	4.0
	8:03:00	378.909						
B1	8:10:00	378.909	2.30	897	76	76	2.40	6.0
B2	8:18:00	385.81	1.30	920	77	77	1.40	4.5
B3	8:26:00	391.25	0.85	922	77	77	0.88	3.0
B4	8:34:00	395.52	0.59	924	77	77	0.61	2.0
B5	8:42:00	399.07	0.50	923	77	77	0.52	1.5
B6	8:50:00	402.41	0.35	908	77	77	0.36	1.5
	8:58:00	405.256						
C1	9:05:00	405.256	3.80	923	77	77	4.00	9.0
C2	9:13:00	414.06	4.00	920	77	77	4.20	10.0
C3	9:21:00	423.29	4.00	920	77	77	4.20	10.5
C4	9:29:00	432.35	4.50	916	77	77	4.70	11.5
C5	9:37:00	441.95	4.60	914	77	77	4.80	12.0
C6	9:45:00	451.79	3.60	912	77	77	3.80	9.5
	9:53:00	460.050						
D1	10:03:00	460.050	4.30	926	76	76	4.50	10.0
D2	10:11:00	469.42	5.20	926	77	77	5.40	13.0
D3	10:19:00	479.12	5.20	949	76	76	5.40	14.0
D4	10:27:00	489.31	5.00	952	76	76	5.20	13.0
D5	10:35:00	499.34	5.00	947	76	76	5.20	13.0
D6	10:43:00	508.43	4.00	943	76	76	4.20	11.0
	10:51:00	515.310						
Run Times:		V_m, ft^3	Ave. ΔP	T_s, °F	T_m, °F		ΔH	Max. Vac.
Start	7:15	172.532	2.89	925.3	76.0	76.0	3.028	14
End	10:51		Ave. √ΔP	T_s, °R	Ave. T_m, °R			
			1.61	1385.0	535.7			
Comments/Notes:								

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Isokinetic Test Support Data

Company:	Georgia Power	Project#:	491281
Plant:	McIntosh Plant	Test Method(s):	5/29
Unit ID:	CT Unit 1 - NG	Test Run #:	4
Location:	Exhaust	Test Date(s):	9/15/2022

Console Operator:	A. Frank		Unit Operating Mode:	Max	
Console ID:	E13		Duct Shape/Area:	Round / 188.69	ft^2
Meter Y:	0.9941		F_d Factor:		dscf/MMBtu
Orifice $\Delta H_{@i}$:	1.739		F_c Factor:		scf/MMBtu
Pitot Tube ID:	RPTI-8B		F_w Factor:		wscf/MMBtu
Cal. coefficient (C_p):	0.825		Fuel heat content:		Btu /
Probe Liner Material:	Quartz		Process/fuel flow rate:		
Nozzle Material:	Quartz		Soot blown?	N/A	Fuel Type:
Nozzle Diameter (D_n):	0.233	in	Duration:	N/A	min

Sample collection time				Tare wt.	Final wt:
Total # of points:	24	Imp #	Contents	(grams)	(grams)
Target Sample time/point:	8.0 min	1	Empty	650.1	939.9
Target run duration:	192.0 min	2	HNO3/H2O2	747.3	892.4
		3	HNO3/H2O2	752.7	758.4
Barometric Pressure (P_{bar}):	29.95 in Hg	4	Empty	637.8	640.5
Stack Static Pressure (P_g):	-1.50 in H2O	5	KMnO4/H2SO4	764.3	759.3
Stack Pressure (P_s):	29.84 in Hg	6	KMnO4/H2SO4	751.0	753.0
		7	SiGel	942.8	980.4
Leak Checks					
Pre-Test Train Leak Check:	0.001 CFM @ 17 "Hg			Net grams (M_{H2O}):	477.9
Pre-Test Pitot Leak Check:	Pass (Pass or Fail)				
Post-Test Train Leak Rate:	0.001 CFM @ 15 "Hg	Gas Molecular Weight Method:			
Post-Test Pitot Leak Check:	Pass (Pass or Fail)	Method 3A, Instrumental	% CO_2 :	3.47	%vol dry
Pump/Orifice Leak Check:	Pass (Pass or Fail)		% O_2 :	14.73	%vol dry
Filter/Thimble ID:	513240		% Nitrogen + % CO :	81.80	%vol dry
Tare Weight:	grams		M_d - dry basis :	29.14	lb/lb-mole

Description of Filter and Front Half Rinses:

Description of Impinger liquid:

General Comments:

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Isokinetic Test - Processed Traverse Data

Company: Georgia Power
Plant: McIntosh Plant
Unit: CT Unit 1 - NG
Location: Exhaust

Project #: 491281
Method(s): 5/29
Run #: 4

Test Date: 9/15/2022
K-Factor: 1.047
Minutes/pt: 8

Port & Point ID	Clock Time	Meter Volume (V_m) ft^3	ΔP ("H_2O)	Stack (Ts) °F	Dry Gas Meter Inlet (T_{min}) °F	Dry Gas Meter Outlet (T_{mout}) °F	Orifice ΔH ("H_2O)	Sample Vacuum ("Hg)
A1	10:53:00	776.581	2.20	954	73	73	2.30	7.0
A2	11:01:00	782.94	1.40	954	69	68	1.50	5.5
A3	11:09:00	788.02	1.00	951	72	67	1.00	4.0
A4	11:17:00	792.38	0.70	953	73	68	0.73	3.5
A5	11:25:00	795.98	0.55	953	74	68	0.57	3.0
A6	11:33:00	799.19	0.34	953	74	69	0.35	1.5
	11:41:00	801.812						
B1	11:46:00	801.812	4.00	947	74	70	4.20	12.5
B2	11:54:00	810.16	3.60	948	75	71	3.80	12.0
B3	12:02:00	818.41	3.50	945	78	71	3.70	12.0
B4	12:10:00	826.59	4.00	944	79	71	4.20	12.5
B5	12:18:00	835.14	4.20	936	80	72	4.40	14.0
B6	12:26:00	841.69	3.50	931	80	72	3.70	12.0
	12:34:00	851.894						
C1	12:40:00	851.894	4.10	949	76	73	4.30	13.0
C2	12:48:00	860.44	4.40	938	77	73	4.60	15.0
C3	12:56:00	869.42	4.40	924	77	73	4.60	15.5
C4	13:04:00	878.51	4.50	966	77	73	4.70	15.5
C5	13:12:00	887.73	4.30	964	77	73	4.50	15.0
C6	13:20:00	896.64	3.60	958	77	74	3.80	14.0
	13:28:00	904.812						
D1	13:37:00	904.812	2.60	945	72	72	2.70	8.5
D2	13:45:00	911.52	1.80	969	76	72	1.90	7.5
D3	13:53:00	917.52	1.40	970	77	72	1.50	6.5
D4	14:01:00	923.03	1.30	975	78	72	1.40	6.5
D5	14:09:00	929.23	1.40	976	79	72	1.50	6.5
D6	14:17:00	935.32	1.20	971	80	72	1.30	6.5
	14:25:00	943.270						
Run Times:		V_m, ft^3	Ave. ΔP	T_s, °F	T_m, °F		ΔH	Max. Vac.
Start	10:53	166.689	2.67	953.1	76.0	71.3	2.802	15.5
End	14:25		Ave. √ΔP	T_s, °R	Ave. T_m, °R			
			1.56	1412.8	533.3			
Comments/Notes:								

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Isokinetic Test Support Data

Company:	Georgia Power	**Project#:**	491281
Plant:	McIntosh Plant	**Test Method(s):**	5/29
Unit ID:	CT Unit 1 - NG	**Test Run #:**	5
Location:	Exhaust	**Test Date(s):**	9/15/2022

Console Operator:	A. Frank	**Unit Operating Mode:**	Max		
Console ID:	M16	**Duct Shape/Area:**	Round / 188.69	ft^2	
Meter Y:	1.0105	**F_d Factor:**		dscf/MMBtu	
Orifice $\Delta H_{@i}$:	1.899	**F_c Factor:**		scf/MMBtu	
Pitot Tube ID:	RPTI-8A	**F_w Factor:**		wscf/MMBtu	
Cal. coefficient (C_p):	0.827	**Fuel heat content:**		Btu /	
Probe Liner Material:	Quartz	**Process/fuel flow rate:**			
Nozzle Material:	Quartz	**Soot blown?**	N/A	**Fuel Type:**	
Nozzle Diameter (D_n):	0.233 in	**Duration:**	N/A min		

Sample collection time				**Tare wt.**	**Final wt:**
Total # of points:	24	**Imp #**	**Contents**	**(grams)**	**(grams)**
Target Sample time/point:	8.0 min	1	Empty	647.7	943.3
Target run duration:	192.0 min	2	HNO3/H2O2	763.0	916.3
		3	HNO3/H2O2	765.4	775.5
Barometric Pressure (P_{bar}):	29.95 in Hg	4	Empty	690.7	693.4
Stack Static Pressure (P_g):	-1.50 in H2O	5	KMnO4/H2SO4	774.8	774.9
Stack Pressure (P_s):	29.84 in Hg	6	KMnO4/H2SO4	755.5	759.1
		7	SiGel	989.5	1027.0
Leak Checks					
Pre-Test Train Leak Check:	0.001 CFM @ 18 "Hg			**Net grams (M_{H20}):**	502.9
Pre-Test Pitot Leak Check:	Pass (Pass or Fail)				
Post-Test Train Leak Rate:	0.001 CFM @ 17 "Hg	**Gas Molecular Weight Method:**			
Post-Test Pitot Leak Check:	Pass (Pass or Fail)	Method 3A, Instrumental	**% CO_2 :**	3.47	%vol dry
Pump/Orifice Leak Check:	Pass (Pass or Fail)		**% O_2 :**	14.71	%vol dry
Filter/Thimble ID:	513243		**% Nitrogen + % CO :**	81.82	%vol dry
Tare Weight:	grams		**M_d - dry basis :**	29.14	lb/lb-mole

Description of Filter and Front Half Rinses:

Description of Impinger liquid:

General Comments:

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Isokinetic Test - Processed Traverse Data

Company: Georgia Power
Plant: McIntosh Plant
Unit: CT Unit 1 - NG
Location: Exhaust

Project #: 491281
Method(s): 5/29
Run #: 5

Test Date: 9/15/2022
K-Factor: 1.047
Minutes/pt: 8

Port & Point ID	Clock Time	Meter Volume (V_m) ft^3	ΔP ("H_2O)	Stack (Ts) °F	Dry Gas Meter Inlet (T_{min}) °F	Dry Gas Meter Outlet (T_{mout}) °F	Orifice ΔH ("H_2O)	Sample Vacuum ("Hg)
A1	14:29:00	515.886	4.20	949	70	70	4.40	10.0
A2	14:37:00	525.14	5.30	957	71	71	5.50	16.0
A3	14:45:00	535.33	5.30	961	71	71	5.56	16.0
A4	14:53:00	544.93	5.30	963	71	71	5.50	16.0
A5	15:01:00	554.33	5.10	957	72	72	5.30	16.0
A6	15:09:00	564.63	3.90	953	72	72	4.00	12.0
	15:17:00	573.319						
B1	15:17:00	573.319	2.60	949	74	74	2.70	7.0
B2	15:25:00	580.57	2.00	965	74	74	2.10	6.0
B3	15:33:00	587.15	1.50	966	74	74	1.60	5.0
B4	15:41:00	593.12	1.40	965	75	75	1.50	5.0
B5	15:49:00	598.58	1.30	967	76	76	1.40	5.0
B6	15:57:00	604.04	1.20	960	76	76	1.30	5.0
	16:05:00	609.287						
C1	16:20:00	609.287	2.30	924	76	76	2.40	7.0
C2	16:28:00	616.31	1.40	929	76	76	1.50	5.0
C3	16:36:00	621.93	0.88	950	76	76	0.92	4.0
C4	16:44:00	626.41	0.68	949	77	77	0.71	3.5
C5	16:52:00	630.29	0.53	946	77	77	0.55	2.0
C6	17:00:00	633.94	0.35	918	76	76	0.36	1.5
	17:08:00	636.560						
D1	17:08:00	636.560	3.70	925	76	76	3.90	9.5
D2	17:16:00	645.28	3.80	937	77	77	4.00	11.0
D3	17:24:00	654.18	4.00	932	76	76	4.20	11.5
D4	17:32:00	663.27	4.30	929	77	77	4.50	12.5
D5	17:40:00	672.72	4.50	924	77	77	4.70	13.5
D6	17:48:00	682.32	3.90	920	77	77	4.10	11.5
	17:56:00	691.340						
Run Times:		V_m, ft^3	Ave. ΔP	T_s, °F	T_m, °F		ΔH	Max. Vac.
Start	14:29	175.454	2.89	945.6	74.8	74.8	3.029	16
End	17:56		Ave. √ΔP	T_s, °R	Ave. T_m, °R			
			1.61	1405.3	534.4			
Comments/Notes:								

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Isokinetic Test Support Data

Company:	Georgia Power	**Project#:**	491281
Plant:	McIntosh Plant	**Test Method(s):**	5/29
Unit ID:	CT Unit 1 - NG	**Test Run #:**	6
Location:	Exhaust	**Test Date(s):**	9/16/2022

Console Operator:	A. Frank	**Unit Operating Mode:**	Max		
Console ID:	M16	**Duct Shape/Area:**	Round / 188.69	ft^2	
Meter Y:	1.0105	**F_d Factor:**		dscf/MMBtu	
Orifice $\Delta H_{@i}$:	1.899	**F_c Factor:**		scf/MMBtu	
Pitot Tube ID:	RPTI-8B	**F_w Factor:**		wscf/MMBtu	
Cal. coefficient (C_p):	0.825	**Fuel heat content:**		Btu /	
Probe Liner Material:	Quartz	**Process/fuel flow rate:**			
Nozzle Material:	Quartz	**Soot blown?**	N/A	**Fuel Type:**	
Nozzle Diameter (D_n):	0.233 in	**Duration:**	N/A min		

Sample collection time					**Tare wt.**	**Final wt:**
Total # of points:	24		**Imp #**	**Contents**	**(grams)**	**(grams)**
Target Sample time/point:	8.0 min		1	Empty	645.4	950.4
Target run duration:	192.0 min		2	HNO3/H2O2	762.9	902.5
			3	HNO3/H2O2	765.1	774.5
Barometric Pressure (P_{bar}):	30.05 in Hg		4	Empty	689.8	691.0
Stack Static Pressure (P_g):	-1.50 in H2O		5	KMnO4/H2SO4	775.7	772.9
Stack Pressure (P_s):	29.94 in Hg		6	KMnO4/H2SO4	755.8	757.1
			7	SiGel	947.1	988.4
Leak Checks						
Pre-Test Train Leak Check:	0.001 CFM @ 17 "Hg				**Net grams (M_{H20}):**	495.0
Pre-Test Pitot Leak Check:	Pass (Pass or Fail)					
Post-Test Train Leak Rate:	0.001 CFM @ 12 "Hg		**Gas Molecular Weight Method:**			
Post-Test Pitot Leak Check:	Pass (Pass or Fail)		Method 3A, Instrumental	**% CO_2 :**	3.46	%vol dry
Pump/Orifice Leak Check:	Pass (Pass or Fail)			**% O_2 :**	14.67	%vol dry
Filter/Thimble ID:	513244			**% Nitrogen + % CO :**	81.87	%vol dry
Tare Weight:	grams			**M_d - dry basis :**	29.14	lb/lb-mole

Description of Filter and Front Half Rinses:

Description of Impinger liquid:

General Comments:

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Isokinetic Test - Processed Traverse Data

Company: Georgia Power
Plant: McIntosh Plant
Unit: CT Unit 1 - NG
Location: Exhaust

Project #: 491281
Method(s): 5/29
Run #: 6

Test Date: 9/16/2022
K-Factor: 1.047
Minutes/pt: 10

Port & Point ID	Clock Time	Meter Volume (V_m) ft^3	ΔP ("H_2O)	Stack (Ts) °F	Dry Gas Meter Inlet (T_{min}) °F	Dry Gas Meter Outlet (T_{mout}) °F	Orifice ΔH ("H_2O)	Sample Vacuum ("Hg)
A1	8:00:00	947.481	4.20	910	70	70	4.20	8.5
A2	8:10:00	957.09	4.30	921	75	71	4.30	9.0
A3	8:20:00	968.85	4.40	930	77	71	4.40	9.0
A4	8:30:00	978.01	4.50	936	77	71	4.50	9.0
A5	8:40:00	990.87	4.20	934	77	71	4.20	9.0
A6	8:50:00	1001.64	3.60	936	77	71	3.60	7.5
	9:00:00	1011.644						
B1	9:10:00	1011.644	3.00	928	71	70	2.90	6.5
B2	9:20:00	1020.64	1.90	949	74	69	1.90	4.0
B3	9:30:00	1028.15	1.50	953	75	69	1.50	4.5
B4	9:40:00	1034.9	1.30	956	75	69	1.30	4.0
B5	9:50:00	1040.83	1.20	958	75	69	1.20	4.0
B6	10:00:00	1046.89	1.20	958	75	69	1.20	4.0
	10:10:00	1052.559						
C1	10:16:00	1052.559	2.80	938	72	69	2.70	4.5
C2	10:26:00	1061.22	1.90	944	76	69	1.90	2.0
C3	10:36:00	1067.65	0.91	947	75	69	0.90	1.5
C4	10:46:00	1072.83	0.65	946	74	69	0.64	1.0
C5	10:56:00	1077.21	0.50	948	73	69	0.49	1.0
C6	11:06:00	1081.03	0.39	946	72	69	0.38	1.0
	11:16:00	1084.354						
D1	11:24:00	1084.354	3.60	943	70	69	3.50	8.5
D2	11:34:00	1094.16	3.60	942	75	69	3.50	8.5
D3	11:44:00	1103.92	3.50	948	76	70	3.40	8.0
D4	11:54:00	1113.82	3.70	934	78	70	3.60	8.5
D5	12:04:00	1124.06	4.00	930	79	70	3.90	9.0
D6	12:14:00	1134.03	3.40	934	79	71	3.30	8.0
	12:24:00	1143.525						

Run Times:		V_m, ft^3	Ave. ΔP	T_s, °F	T_m, °F		ΔH	Max. Vac.
Start	8:00	196.044	2.68	940.4	74.9	69.7	2.642	9
End	12:24		Ave. √ΔP	T_s, °R	Ave. T_m, °R			
			1.56	1400.0	532.0			

Comments/Notes:

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Isokinetic Test Support Data

Company:	Georgia Power	**Project#:**	491281
Plant:	McIntosh Plant	**Test Method(s):**	5/29
Unit ID:	CT Unit 1 - NG	**Test Run #:**	7
Location:	Exhaust	**Test Date(s):**	9/16/2022

Console Operator:	A. Frank	**Unit Operating Mode:**	Max		
Console ID:	E13	**Duct Shape/Area:**	Round / 188.69	ft^2	
Meter Y:	0.9941	**F_d Factor:**		dscf/MMBtu	
Orifice $\Delta H_{@i}$:	1.739	**F_c Factor:**		scf/MMBtu	
Pitot Tube ID:	RPIT-8A	**F_w Factor:**		wscf/MMBtu	
Cal. coefficient (C_p):	0.827	**Fuel heat content:**		Btu /	
Probe Liner Material:	Quartz	**Process/fuel flow rate:**			
Nozzle Material:	Quartz	**Soot blown?**	N/A	**Fuel Type:**	
Nozzle Diameter (D_n):	0.233 in	**Duration:**	N/A min		

Sample collection time				**Tare wt.**	**Final wt:**
Total # of points:	24	**Imp #**	**Contents**	**(grams)**	**(grams)**
Target Sample time/point:	8.0 min	1	Empty	646.6	941.8
Target run duration:	192.0 min	2	HNO3/H2O2	747.8	862.0
		3	HNO3/H2O2	750.4	758.7
Barometric Pressure (P_{bar}):	30.05 in Hg	4	Empty	648.5	651.1
Stack Static Pressure (P_g):	-1.50 in H2O	5	KMnO4/H2SO4	766.5	762.8
Stack Pressure (P_s):	29.94 in Hg	6	KMnO4/H2SO4	753.6	755.5
		7	SiGel	992.7	1027.5
Leak Checks					
Pre-Test Train Leak Check:	0.001 CFM @ 15 "Hg			**Net grams (M_{H20}):**	453.3
Pre-Test Pitot Leak Check:	Pass (Pass or Fail)				
Post-Test Train Leak Rate:	0.001 CFM @ 13 "Hg	**Gas Molecular Weight Method:**			
Post-Test Pitot Leak Check:	Pass (Pass or Fail)	Method 3A, Instrumental	**% CO_2 :**	3.51	%vol dry
Pump/Orifice Leak Check:	Pass (Pass or Fail)		**% O_2 :**	14.56	%vol dry
Filter/Thimble ID:	513233		**% Nitrogen + % CO :**	81.93	%vol dry
Tare Weight:	grams		**M_d - dry basis :**	29.14	lb/lb-mole

Description of Filter and Front Half Rinses:

Description of Impinger liquid:

General Comments:

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Isokinetic Test - Processed Traverse Data

Company: Georgia Power
Plant: McIntosh Plant
Unit: CT Unit 1 - NG
Location: Exhaust

Project #: 491281
Method(s): 5/29
Run #: 7

Test Date: 9/16/2022
K-Factor: 1.047
Minutes/pt: 8

Port & Point ID	Clock Time	Meter Volume (V_m) ft^3	ΔP ("H_2O)	Stack (Ts) °F	Dry Gas Meter Inlet (T_{min}) °F	Dry Gas Meter Outlet (T_{mout}) °F	Orifice ΔH ("H_2O)	Sample Vacuum ("Hg)
A1	12:30:00	691.951	4.30	949	69	69	4.20	8.5
A2	12:38:00	700.94	4.50	955	69	69	4.40	9.0
A3	12:46:00	710.08	4.70	959	71	71	4.60	11.0
A4	12:54:00	719.57	4.70	961	72	72	4.60	11.0
A5	13:02:00	729.05	4.50	962	74	74	4.40	10.5
A6	13:10:00	738.46	3.80	957	75	75	3.70	9.0
	13:18:00	747.055						
B1	13:26:00	747.055	2.50	961	77	77	2.50	6.0
B2	13:34:00	754.17	1.90	964	77	77	1.90	5.0
B3	13:42:00	760.33	1.50	970	77	77	1.50	5.0
B4	13:50:00	766.13	1.40	971	78	78	1.40	5.0
B5	13:58:00	771.39	1.40	974	78	78	1.40	5.0
B6	14:06:00	776.75	1.10	965	79	79	1.10	4.0
	14:14:00	781.683						
C1	14:22:00	781.683	2.50	953	77	77	2.50	7.0
C2	14:30:00	788.54	1.50	953	77	77	1.50	5.0
C3	14:38:00	794.17	0.86	952	77	77	0.84	3.5
C4	14:46:00	798.44	0.70	952	77	77	0.69	3.0
C5	14:54:00	802.30	0.55	951	77	77	0.54	2.0
C6	15:02:00	805.68	0.40	946	77	77	0.39	1.5
	15:10:00	808.594						
D1	15:19:00	808.594	4.10	944	77	77	4.00	9.5
D2	15:27:00	817.20	4.30	943	77	77	4.20	10.5
D3	15:35:00	826.32	4.20	936	77	77	4.10	10.5
D4	15:43:00	835.31	4.20	934	77	77	4.10	11.0
D5	15:51:00	844.33	4.20	932	77	77	4.10	11.0
D6	15:59:00	853.42	3.50	928	77	77	3.40	9.5
	16:07:00	861.925						
Run Times:		V_m, ft^3	Ave. ΔP	T_s, °F	T_m, °F		ΔH	Max. Vac.
Start	12:30	169.974	2.80	953.0	75.8	75.8	2.753	11
End	16:07		Ave. √ΔP	T_s, °R	Ave. T_m, °R			
			1.59	1412.7	535.5			
Comments/Notes:								

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Isokinetic Test Support Data

Company:	Georgia Power	**Project#:**	491281
Plant:	McIntosh Plant	**Test Method(s):**	5/29
Unit ID:	CT Unit 1 FO	**Test Run #:**	1
Location:	Exhaust	**Test Date(s):**	9/17/2022

Console Operator:	A. Frank		**Unit Operating Mode:**	Max	
Console ID:	M16		**Duct Shape/Area:**	Round / 188.69	ft^2
Meter Y:	1.0105		**F_d Factor:**		dscf/MMBtu
Orifice $\Delta H_{@i}$:	1.899		**F_c Factor:**		scf/MMBtu
Pitot Tube ID:	RPT-8A		**F_w Factor:**		wscf/MMBtu
Cal. coefficient (C_p):	0.827		**Fuel heat content:**		Btu /
Probe Liner Material:	Quartz		**Process/fuel flow rate:**		
Nozzle Material:	Quartz		**Soot blown?**	N/A	**Fuel Type:**
Nozzle Diameter (D_n):	0.233 in		**Duration:**	N/A min	

Sample collection time				**Tare wt.**	**Final wt:**
Total # of points:	24	**Imp #**	**Contents**	**(grams)**	**(grams)**
Target Sample time/point:	8.0 min	1	Empty	645.2	953.2
Target run duration:	192.0 min	2	HNO3/H2O2	762.6	813.9
		3	HNO3/H2O2	766.2	772.5
Barometric Pressure (P_{bar}):	30.50 in Hg	4	Empty	690.0	691.7
Stack Static Pressure (P_g):	-1.70 in H2O	5	KMnO4/H2SO4	773.8	771.3
Stack Pressure (P_s):	30.38 in Hg	6	KMnO4/H2SO4	754.4	754.3
		7	SiGel	940.3	972.5
Leak Checks					
Pre-Test Train Leak Check:	0.001 CFM @ 16 "Hg			**Net grams (M_{H20}):**	396.9
Pre-Test Pitot Leak Check:	Pass (Pass or Fail)				
Post-Test Train Leak Rate:	0.001 CFM @ 15 "Hg	**Gas Molecular Weight Method:**			
Post-Test Pitot Leak Check:	Pass (Pass or Fail)	Method 3A, Instrumental	**% CO_2 :**	4.70	%vol dry
Pump/Orifice Leak Check:	Pass (Pass or Fail)		**% O_2 :**	14.40	%vol dry
Filter/Thimble ID:	513234		**% Nitrogen + % CO :**	80.91	%vol dry
Tare Weight:	grams		**M_d - dry basis :**	29.33	lb/lb-mole

Description of Filter and Front Half Rinses:

Description of Impinger liquid:

General Comments:

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Isokinetic Test - Processed Traverse Data

Company: Georgia Power
Plant: McIntosh Plant
Unit: CT Unit 1 FO
Location: Exhaust

Project #: 491281
Method(s): 5/29
Run #: 1

Test Date: 9/17/2022
K-Factor: 0.963
Minutes/pt: 8

Port & Point ID	Clock Time	Meter Volume (V_m) ft^3	ΔP ("H_2O)	Stack (Ts) °F	Dry Gas Meter Inlet (T_{min}) °F	Dry Gas Meter Outlet (T_{mout}) °F	Orifice ΔH ("H_2O)	Sample Vacuum ("Hg)
A1	8:37:00	144.202	4.30	946	69	69	4.10	10.0
A2	8:45:00	152.29	4.60	954	69	68	4.40	11.5
A3	8:53:00	160.98	4.90	960	72	68	4.70	13.5
A4	9:01:00	169.93	4.90	962	73	68	4.70	13.5
A5	9:09:00	178.89	4.70	963	74	68	4.50	13.0
A6	9:17:00	187.79	3.70	961	75	69	3.60	10.0
	9:25:00	195.677						
B1	9:31:00	195.677	2.60	970	72	69	2.50	7.0
B2	9:39:00	202.10	2.10	974	74	69	2.00	6.5
B3	9:47:00	208.10	1.70	976	76	69	1.60	5.5
B4	9:55:00	213.44	1.50	977	75	69	1.40	5.0
B5	10:03:00	218.44	1.50	979	75	69	1.40	5.0
B6	10:11:00	223.42	1.40	977	76	69	1.30	4.5
	10:19:00	227.976						
C1	10:24:00	227.976	2.80	964	73	70	2.70	8.0
C2	10:32:00	234.68	1.50	965	75	70	1.40	5.0
C3	10:40:00	239.66	0.97	966	75	70	0.93	4.0
C4	10:48:00	243.77	0.69	966	74	70	0.66	3.5
C5	10:56:00	247.27	0.55	967	73	70	0.53	3.0
C6	11:04:00	250.47	0.42	965	72	70	0.40	2.5
	11:12:00	253.119						
D1	11:19:00	253.119	4.00	965	72	70	3.90	11.5
D2	11:27:00	261.18	3.90	963	75	70	3.80	11.5
D3	11:35:00	269.33	3.90	959	77	70	3.80	11.5
D4	11:43:00	277.52	4.10	954	77	70	3.90	12.0
D5	11:51:00	285.65	4.30	950	77	70	4.10	12.5
D6	11:59:00	294.03	3.60	950	77	70	3.50	11.0
	12:07:00	301.831						
Run Times:		V_m, ft^3	Ave. ΔP	T_s, °F	T_m, °F		ΔH	Max. Vac.
Start	8:37	157.629	2.86	963.9	74.0	69.3	2.743	13.5
End	12:07		Ave. √ΔP	T_s, °R	Ave. T_m, °R			
			1.62	1423.5	531.4			
Comments/Notes:								

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Isokinetic Test Support Data

Company:	Georgia Power	**Project#:**	491281
Plant:	McIntosh Plant	**Test Method(s):**	5/29
Unit ID:	CT Unit 1 FO	**Test Run #:**	2
Location:	Exhuast	**Test Date(s):**	9/17/2022

Console Operator:	A. Frank	**Unit Operating Mode:**	Max		
Console ID:	E13	**Duct Shape/Area:**	Round	/ 188.69	ft^2
Meter Y:	0.9941	**F_d Factor:**		dscf/MMBtu	
Orifice $\Delta H_{@i}$:	1.739	**F_c Factor:**		scf/MMBtu	
Pitot Tube ID:	RPT-8B	**F_w Factor:**		wscf/MMBtu	
Cal. coefficient (C_p):	0.825	**Fuel heat content:**		Btu /	
Probe Liner Material:	Quartz	**Process/fuel flow rate:**			
Nozzle Material:	Quartz	**Soot blown?**	N/A	**Fuel Type:**	
Nozzle Diameter (D_n):	0.233 in	**Duration:**	N/A min		

Sample collection time				**Tare wt.**	**Final wt:**
Total # of points:	24	**Imp #**	**Contents**	**(grams)**	**(grams)**
Target Sample time/point:	8.0 min	1	Empty	649.5	923.9
Target run duration:	192.0 min	2	HNO3/H2O2	751.1	838.6
		3	HNO3/H2O2	754.1	764.9
Barometric Pressure (P_{bar}):	30.05 in Hg	4	Empty	650.0	652.9
Stack Static Pressure (P_g):	-1.70 in H2O	5	KMnO4/H2SO4	764.9	766.7
Stack Pressure (P_s):	29.93 in Hg	6	KMnO4/H2SO4	751.5	752.4
		7	SiGel	981.9	1019.1
Leak Checks					
Pre-Test Train Leak Check:	0.001 CFM @ 15 "Hg			**Net grams (M_{H2O}):**	415.5
Pre-Test Pitot Leak Check:	Pass (Pass or Fail)				
Post-Test Train Leak Rate:	0.001 CFM @ 17 "Hg	**Gas Molecular Weight Method:**			
Post-Test Pitot Leak Check:	Pass (Pass or Fail)	Method 3A, Instrumental	**% CO_2 :**	4.63	%vol dry
Pump/Orifice Leak Check:	Pass (Pass or Fail)		**% O_2 :**	14.37	%vol dry
Filter/Thimble ID:	513235		**% Nitrogen + % CO :**	81.00	%vol dry
Tare Weight:	grams		**M_d - dry basis :**	29.32	lb/lb-mole

Description of Filter and Front Half Rinses:

Filter had yellow tint when recovered

Description of Impinger liquid:

General Comments:

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Isokinetic Test - Processed Traverse Data

Company: Georgia Power
Plant: McIntosh Plant
Unit: CT Unit 1 FO
Location: Exhaust

Project #: 491281
Method(s): 5/29
Run #: 2

Test Date: 9/17/2022
K-Factor: 0.963
Minutes/pt: 8

Port & Point ID	Clock Time	Meter Volume (V_m) ft^3	ΔP ("H_2O)	Stack (Ts) °F	Dry Gas Meter Inlet (T_{min}) °F	Dry Gas Meter Outlet (T_{mout}) °F	Orifice ΔH ("H_2O)	Sample Vacuum ("Hg)
A1	12:23:00	870.635	4.30	955	71	71	4.10	8.5
A2	12:31:00	879.64	4.50	965	71	71	4.30	9.0
A3	12:39:00	888.63	4.60	974	72	72	4.40	10.0
A4	12:47:00	897.71	4.60	975	74	74	4.40	10.0
A5	12:55:00	906.94	4.50	971	74	74	4.30	10.0
A6	13:03:00	916.08	4.20	968	76	76	4.00	9.5
	13:11:00	924.955						
B1	13:18:00	924.955	2.80	977	76	76	2.70	6.0
B2	13:26:00	932.29	2.10	981	76	76	2.00	5.5
B3	13:34:00	938.31	1.60	985	76	76	1.50	4.5
B4	13:42:00	943.86	1.50	985	77	77	1.40	4.5
B5	13:50:00	949.15	1.40	982	77	77	1.30	4.0
B6	13:58:00	953.25	1.50	982	77	77	1.40	4.0
	14:06:00	959.346						
C1	14:12:00	959.346	2.60	970	80	80	2.50	6.5
C2	14:20:00	966.33	1.50	970	77	77	1.40	5.0
C3	14:28:00	971.67	0.98	974	77	77	0.94	4.0
C4	14:36:00	976.92	0.74	962	77	77	0.71	3.5
C5	14:44:00	980.08	0.54	971	77	77	0.52	3.0
C6	14:52:00	983.40	0.51	970	77	77	0.49	3.0
	15:00:00	986.664						
D1	15:10:00	986.664	4.00	968	78	78	3.90	9.0
D2	15:18:00	995.10	3.60	964	78	78	3.50	9.0
D3	15:26:00	1003.39	3.80	959	79	79	3.70	9.0
D4	15:34:00	1011.85	4.00	956	79	79	3.90	10.0
D5	15:42:00	1020.78	4.40	941	79	79	4.20	11.0
D6	15:50:00	1029.11	4.50	945	79	79	4.30	11.0
	15:58:00	1038.665						
Run Times:		V_m, ft^3	Ave. ΔP	T_s, °F	T_m, °F		ΔH	Max. Vac.
Start	12:23	168.030	2.87	968.8	76.4	76.4	2.744	11
End	15:58		Ave. √ΔP	T_s, °R	Ave. T_m, °R			
			1.62	1428.4	536.1			
Comments/Notes:								

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Isokinetic Test Support Data

Company:	Georgia Power	Project#:	491281
Plant:	McIntosh Plant	Test Method(s):	5/29
Unit ID:	CT Unit 1 FO	Test Run #:	3
Location:	Exhaust	Test Date(s):	9/19/2022

Console Operator:	A. Frank	Unit Operating Mode:	Max		
Console ID:	E13	Duct Shape/Area:	Round	/ 188.69	ft^2
Meter Y:	0.9941	F_d Factor:		dscf/MMBtu	
Orifice $\Delta H_{@i}$:	1.739	F_c Factor:		scf/MMBtu	
Pitot Tube ID:	RPT-8A	F_w Factor:		wscf/MMBtu	
Cal. coefficient (C_p):	0.827	Fuel heat content:		Btu /	
Probe Liner Material:	Quartz	Process/fuel flow rate:			
Nozzle Material:	Quartz	Soot blown?	N/A	Fuel Type:	
Nozzle Diameter (D_n):	0.233 in	Duration:	N/A	min	

Sample collection time				Tare wt.	Final wt:
Total # of points:	24	Imp #	Contents	(grams)	(grams)
Target Sample time/point:	8.0 min	1	Empty	645.1	940.6
Target run duration:	192.0 min	2	HNO3/H2O2	763.5	848.4
		3	HNO3/H2O2	765.9	778.2
Barometric Pressure (P_{bar}):	29.90 in Hg	4	Empty	690.2	692.9
Stack Static Pressure (P_g):	-1.70 in H2O	5	KMnO4/H2SO4	776.5	775.3
Stack Pressure (P_s):	29.78 in Hg	6	KMnO4/H2SO4	754.1	752.7
		7	SiGel	956.1	991.3
Leak Checks					
Pre-Test Train Leak Check:	0.001 CFM @ 15 "Hg			Net grams (M_{H2O}):	428.0
Pre-Test Pitot Leak Check:	Pass (Pass or Fail)				
Post-Test Train Leak Rate:	0.001 CFM @ 17 "Hg	Gas Molecular Weight Method:			
Post-Test Pitot Leak Check:	Pass (Pass or Fail)	Method 3A, Instrumental	% CO_2 :	4.52	%vol dry
Pump/Orifice Leak Check:	Pass (Pass or Fail)		% O_2 :	14.55	%vol dry
Filter/Thimble ID:	513236		% Nitrogen + % CO :	80.93	%vol dry
Tare Weight:	grams		M_d - dry basis :	29.30	lb/lb-mole

Description of Filter and Front Half Rinses:

Description of Impinger liquid:

General Comments:

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Isokinetic Test - Processed Traverse Data

Company: Georgia Power
Plant: McIntosh Plant
Unit: CT Unit 1 FO
Location: Exhaust

Project #: 491281
Method(s): 5/29
Run #: 3

Test Date: 9/19/2022
K-Factor: 0.963
Minutes/pt: 8

Port & Point ID	Clock Time	Meter Volume (V_m) ft^3	ΔP ("H_2O)	Stack (Ts) °F	Dry Gas Meter Inlet (T_{min}) °F	Dry Gas Meter Outlet (T_{mout}) °F	Orifice ΔH ("H_2O)	Sample Vacuum ("Hg)
A1	7:31:00	39.269	4.90	926	70	70	4.70	13.5
A2	7:39:00	48.73	4.80	936	69	69	4.60	13.0
A3	7:47:00	58.19	4.90	943	70	70	4.70	14.0
A4	7:55:00	67.68	5.00	945	70	70	4.80	14.5
A5	8:03:00	77.27	4.70	944	71	71	4.50	14.0
A6	8:11:00	86.64	4.00	940	71	71	3.90	12.0
	8:19:00	95.332						
B1	8:26:00	95.332	2.80	947	71	71	2.70	8.0
B2	8:34:00	102.68	2.20	954	71	71	2.10	6.5
B3	8:42:00	109.15	1.80	954	72	72	1.70	6.5
B4	8:50:00	114.85	1.50	957	72	72	1.40	5.0
B5	8:58:00	120.18	1.40	948	73	73	1.30	5.0
B6	9:06:00	125.19	1.30	958	74	74	1.30	5.0
	9:14:00	130.240						
C1	9:20:00	130.240	2.40	942	74	74	2.30	6.0
C2	9:28:00	137.05	1.30	946	74	74	1.30	5.0
C3	9:36:00	142.16	0.97	944	76	76	0.93	4.0
C4	9:44:00	146.58	0.65	946	75	75	0.62	3.5
C5	9:52:00	150.56	0.59	947	75	75	0.56	2.0
C6	10:00:00	153.68	0.42	943	75	75	0.40	1.5
	10:08:00	156.560						
D1	10:15:00	156.560	3.70	948	75	75	3.60	11.0
D2	10:23:00	164.86	3.90	941	75	75	3.80	12.0
D3	10:31:00	173.57	3.80	938	76	76	3.70	12.0
D4	10:39:00	182.03	4.20	937	77	77	4.00	13.0
D5	10:47:00	190.94	4.20	936	76	76	4.00	13.0
D6	10:55:00	199.91	4.30	934	78	78	4.10	13.5
	11:03:00	208.439						
Run Times:		V_m, ft^3	Ave. ΔP	T_s, °F	T_m, °F		ΔH	Max. Vac.
Start	7:31	169.170	2.91	943.9	73.3	73.3	2.792	14.5
End	11:03		Ave. √ΔP	T_s, °R	Ave. T_m, °R			
			1.62	1403.6	533.0			
Comments/Notes:								

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Isokinetic Test Support Data

Company:	Georgia Power	Project#:	491281
Plant:	McIntosh Plant	Test Method(s):	5/29
Unit ID:	CT Unit 1 FO	Test Run #:	4
Location:	Exhaust	Test Date(s):	9/19/2022

Console Operator:	A. Frank	Unit Operating Mode:	Max		
Console ID:	M16	Duct Shape/Area:	Round	/ 188.69	ft^2
Meter Y:	1.105	F_d Factor:		dscf/MMBtu	
Orifice $\Delta H_{@i}$:	1.899	F_c Factor:		scf/MMBtu	
Pitot Tube ID:	RPT-8B	F_w Factor:		wscf/MMBtu	
Cal. coefficient (C_p):	0.825	Fuel heat content:		Btu /	
Probe Liner Material:	Quartz	Process/fuel flow rate:			
Nozzle Material:	Quartz	Soot blown?	N/A	Fuel Type:	
Nozzle Diameter (D_n):	0.233 in	Duration:	N/A	min	

Sample collection time				Tare wt.	Final wt:
Total # of points:	24	Imp #	Contents	(grams)	(grams)
Target Sample time/point:	8.0 min	1	Empty	649.4	938.0
Target run duration:	192.0 min	2	HNO3/H2O2	750.4	825.6
		3	HNO3/H2O2	752.7	760.9
Barometric Pressure (P_{bar}):	29.90 in Hg	4	Empty	650.6	653.1
Stack Static Pressure (P_g):	-1.70 in H2O	5	KMnO4/H2SO4	764.2	762.8
Stack Pressure (P_s):	29.78 in Hg	6	KMnO4/H2SO4	751.0	751.7
		7	SiGel	986.2	1018.7
Leak Checks					
Pre-Test Train Leak Check:	0.001 CFM @ 17 "Hg			Net grams (M_{H2O}):	406.3
Pre-Test Pitot Leak Check:	Pass (Pass or Fail)				
Post-Test Train Leak Rate:	0.001 CFM @ 15 "Hg	Gas Molecular Weight Method:			
Post-Test Pitot Leak Check:	Pass (Pass or Fail)	Method 3A, Instrumental	% CO_2 :	4.57	%vol dry
Pump/Orifice Leak Check:	Pass (Pass or Fail)		% O_2 :	14.49	%vol dry
Filter/Thimble ID:	513236		% Nitrogen + % CO :	80.94	%vol dry
Tare Weight:	grams		M_d - dry basis :	29.31	lb/lb-mole

Description of Filter and Front Half Rinses:

Description of Impinger liquid:

General Comments:

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Isokinetic Test - Processed Traverse Data

Company: Georgia Power
Plant: McIntosh Plant
Unit: CT Unit 1 FO
Location: Exhaust

Project #: 491281
Method(s): 5/29
Run #: 4

Test Date: 9/19/2022
K-Factor: 0.963
Minutes/pt: 8

Port & Point ID	Clock Time	Meter Volume (V_m) ft^3	ΔP ("H_2O)	Stack (Ts) °F	Dry Gas Meter Inlet (T_{min}) °F	Dry Gas Meter Outlet (T_{mout}) °F	Orifice ΔH ("H_2O)	Sample Vacuum ("Hg)
A1	11:32:00	304.110	4.30	947	70	70	4.10	8.5
A2	11:40:00	312.62	4.20	959	76	70	4.00	9.0
A3	11:48:00	320.94	4.30	963	78	71	4.10	9.0
A4	11:56:00	329.24	4.30	967	80	72	4.10	9.5
A5	12:04:00	337.64	4.10	963	82	73	3.90	9.0
A6	12:12:00	346.06	3.50	961	82	74	3.40	7.5
	12:20:00	353.845						
B1	12:27:00	353.845	2.50	968	77	74	2.40	6.0
B2	12:35:00	360.28	2.00	974	79	74	1.90	5.0
B3	12:43:00	366.07	1.60	974	80	74	1.50	4.5
B4	12:51:00	371.21	1.40	976	81	75	1.30	3.0
B5	12:59:00	376.03	1.40	977	81	75	1.30	3.0
B6	13:07:00	380.64	1.30	976	81	75	1.30	4.0
	13:15:00	385.375						
C1	13:21:00	385.375	2.30	970	76	75	2.20	4.0
C2	13:29:00	391.57	1.40	969	80	75	1.30	4.0
C3	13:37:00	396.33	0.88	965	80	75	0.84	3.5
C4	13:45:00	400.32	0.65	962	79	77	0.62	2.0
C5	13:53:00	403.81	0.55	962	78	76	0.52	2.0
C6	14:01:00	406.93	0.41	965	77	75	0.39	1.5
	14:09:00	409.696						
D1	14:16:00	409.696	3.80	960	74	74	3.70	13.0
D2	14:24:00	417.53	3.70	961	76	74	3.60	11.0
D3	14:32:00	425.52	3.70	956	78	73	3.60	10.5
D4	14:40:00	433.42	4.30	953	80	73	4.10	12.0
D5	14:48:00	441.82	4.10	949	80	73	3.90	11.0
D6	14:56:00	450.23	3.40	947	79	73	3.30	9.5
	15:04:00	457.730						

Run Times:		V_m, ft^3	Ave. ΔP	T_s, °F	T_m, °F		ΔH	Max. Vac.
Start	11:32	153.620	2.67	963.5	78.5	73.8	2.557	13
End	15:04		Ave. √ΔP	T_s, °R	Ave. T_m, °R			
			1.56	1423.2	535.8			
Comments/Notes:								

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Isokinetic Test Support Data

Company:	Georgia Power	Project#:	491281
Plant:	McIntosh Plant	Test Method(s):	5/29
Unit ID:	CT Unit 1 FO	Test Run #:	5
Location:	Exhaust	Test Date(s):	9/19/2022

Console Operator:	A. Frank	Unit Operating Mode:	Max
Console ID:	E13	Duct Shape/Area:	Round / 188.69 ft^2
Meter Y:	0.9941	F_d Factor:	dscf/MMBtu
Orifice $\Delta H_{@i}$:	1.739	F_c Factor:	scf/MMBtu
Pitot Tube ID:	RPT-8B	F_w Factor:	wscf/MMBtu
Cal. coefficient (C_p):	0.825	Fuel heat content:	Btu /
Probe Liner Material:	Quartz	Process/fuel flow rate:	
Nozzle Material:	Quartz	Soot blown? N/A	Fuel Type:
Nozzle Diameter (D_n):	0.233 in	Duration: N/A	min

Sample collection time				Tare wt.	Final wt:
Total # of points:	24	Imp #	Contents	(grams)	(grams)
Target Sample time/point:	8.0 min	1	Empty	645.0	917.3
Target run duration:	192.0 min	2	HNO3/H2O2	763.7	858.4
		3	HNO3/H2O2	766.4	776.9
Barometric Pressure (P_{bar}):	29.90 in Hg	4	Empty	690.2	692.7
Stack Static Pressure (P_g):	-1.70 in H2O	5	KMnO4/H2SO4	755.7	756.0
Stack Pressure (P_s):	29.78 in Hg	6	KMnO4/H2SO4	775.2	775.2
		7	SiGel	953.4	987.3
Leak Checks					
Pre-Test Train Leak Check:	0.001 CFM @ 18 "Hg			Net grams (M_{H20}):	414.2
Pre-Test Pitot Leak Check:	Pass (Pass or Fail)				
Post-Test Train Leak Rate:	0.001 CFM @ 16 "Hg	Gas Molecular Weight Method:			
Post-Test Pitot Leak Check:	Pass (Pass or Fail)	Method 3A, Instrumental	% CO_2 :	4.58	%vol dry
Pump/Orifice Leak Check:	Pass (Pass or Fail)		% O_2 :	14.58	%vol dry
Filter/Thimble ID:	513237		% Nitrogen + % CO :	80.84	%vol dry
Tare Weight:	grams		M_d - dry basis :	29.32	lb/lb-mole

Description of Filter and Front Half Rinses:

Description of Impinger liquid:

General Comments:

During port change from 2 to 3 the nozzle was chipped during exiting the stack. A new nozzle of the same diameter was replaced by the team and the train leak checked to verify.

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Isokinetic Test - Processed Traverse Data

Company: Georgia Power
Plant: McIntosh Plant
Unit: CT Unit 1 FO
Location: Exhaust

Project #: 491281
Method(s): 5/29
Run #: 5

Test Date: 9/19/2022
K-Factor: 0.963
Minutes/pt: 8

Port & Point ID	Clock Time	Meter Volume (V_m) ft^3	ΔP ("H_2O)	Stack (Ts) °F	Dry Gas Meter Inlet (T_{min}) °F	Dry Gas Meter Outlet (T_{mout}) °F	Orifice ΔH ("H_2O)	Sample Vacuum ("Hg)
A1	15:08:00	209.851	4.10	963	73	73	3.90	11.0
A2	15:16:00	218.78	4.20	970	73	73	4.00	11.5
A3	15:24:00	228.04	4.30	973	74	74	4.10	9.0
A4	15:32:00	236.69	4.30	973	74	74	4.10	9.0
A5	15:40:00	243.73	4.20	969	75	75	4.00	9.0
A6	15:48:00	254.65	3.50	968	77	77	3.40	7.5
	15:56:00	262.931						
B1	16:03:00	262.931	2.50	960	77	77	2.40	5.5
B2	16:11:00	269.93	2.00	967	77	77	1.90	5.0
B3	16:19:00	276.11	1.50	970	78	78	1.40	4.0
B4	16:27:00	281.47	1.30	973	78	78	1.30	4.0
B5	16:35:00	286.68	1.30	973	79	79	1.30	4.0
B6	16:43:00	291.82	1.20	974	78	78	1.20	4.0
	16:51:00	296.855						
C1	17:22:00	297.214	2.20	973	78	78	2.10	5.0
C2	17:30:00	303.84	1.40	962	77	77	1.30	4.0
C3	17:38:00	309.04	0.87	959	77	77	0.83	3.5
C4	17:46:00	313.19	0.70	956	77	77	0.67	2.0
C5	17:54:00	317.02	0.50	953	77	77	0.48	1.5
C6	18:02:00	320.19	0.43	950	78	78	0.41	1.5
	18:10:00	323.189						
D1	18:10:00	323.189	3.80	940	79	79	3.70	8.0
D2	18:18:00	331.68	3.70	945	77	77	3.60	8.5
D3	18:26:00	340.62	3.50	939	77	77	3.50	8.0
D4	18:34:00	348.46	3.70	934	77	77	3.60	8.0
D5	18:42:00	356.95	3.90	928	78	78	3.80	8.5
D6	18:50:00	365.65	3.50	924	78	78	3.40	8.0
	18:58:00	373.950						
Run Times:		V_m, ft^3	Ave. ΔP	T_s, °F	T_m, °F		ΔH	Max. Vac.
Start	15:08	163.740	2.61	958.2	76.8	76.8	2.516	11.5
End	18:58		Ave. √ΔP	T_s, °R	Ave. T_m, °R			
			1.54	1417.8	536.5			
Comments/Notes:								

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Isokinetic Test Support Data

Company:	Georgia Power	**Project#:**	491281
Plant:	McIntosh Plant	**Test Method(s):**	5/29
Unit ID:	CT Unit 1 FO	**Test Run #:**	6
Location:	Exhaust	**Test Date(s):**	9/20/2022

Console Operator:	M. Lawrie	**Unit Operating Mode:**	Max		
Console ID:	E13	**Duct Shape/Area:**	Round	/ 188.69	ft^2
Meter Y:	0.9941	**F_d Factor:**		dscf/MMBtu	
Orifice $\Delta H_{@i}$:	1.739	**F_c Factor:**		scf/MMBtu	
Pitot Tube ID:	RPTI-8A	**F_w Factor:**		wscf/MMBtu	
Cal. coefficient (C_p):	0.827	**Fuel heat content:**		Btu /	
Probe Liner Material:	Quartz	**Process/fuel flow rate:**			
Nozzle Material:	Quartz	**Soot blown?**	N/A	**Fuel Type:**	
Nozzle Diameter (D_n):	0.233 in	**Duration:**	N/A min		

Sample collection time				**Tare wt.**	**Final wt:**
Total # of points:	24	**Imp #**	**Contents**	**(grams)**	**(grams)**
Target Sample time/point:	8.0 min	1	Empty	648.9	910.3
Target run duration:	192.0 min	2	HNO3/H2O2	750.2	860.7
		3	HNO3/H2O2	752.6	761.5
Barometric Pressure (P_{bar}):	29.90 in Hg	4	Empty	650.1	650.7
Stack Static Pressure (P_g):	-1.70 in H2O	5	KMnO4/H2SO4	748.6	746.9
Stack Pressure (P_s):	29.78 in Hg	6	KMnO4/H2SO4	765.0	763.5
		7	SiGel	987.9	1025.2
Leak Checks					
Pre-Test Train Leak Check:	0.001 CFM @ 13 "Hg			**Net grams (M_{H2O}):**	415.5
Pre-Test Pitot Leak Check:	Pass (Pass or Fail)				
Post-Test Train Leak Rate:	0.001 CFM @ 17 "Hg	**Gas Molecular Weight Method:**			
Post-Test Pitot Leak Check:	Pass (Pass or Fail)	Method 3A, Instrumental	**% CO_2 :**	4.56	%vol dry
Pump/Orifice Leak Check:	Pass (Pass or Fail)		**% O_2 :**	14.44	%vol dry
Filter/Thimble ID:	513227		**% Nitrogen + % CO :**	81.01	%vol dry
Tare Weight:	grams		**M_d - dry basis :**	29.31	lb/lb-mole

Description of Filter and Front Half Rinses:

Filter had yellow tint when recovered

Description of Impinger liquid:

General Comments:

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Isokinetic Test - Processed Traverse Data

Company: Georgia Power
Plant: McIntosh Plant
Unit: CT Unit 1 FO
Location: Exhaust

Project #: 491281
Method(s): 5/29
Run #: 6

Test Date: 9/20/2022
K-Factor: 0.963
Minutes/pt: 8

Port & Point ID	Clock Time	Meter Volume (V_m) ft^3	ΔP ("H_2O)	Stack (Ts) °F	Dry Gas Meter Inlet (T_{min}) °F	Dry Gas Meter Outlet (T_{mout}) °F	Orifice ΔH ("H_2O)	Sample Vacuum ("Hg)
A1	8:04:00	375.610	2.70	943	69	69	2.60	6.5
A2	8:12:00	382.74	2.00	949	70	70	1.90	5.5
A3	8:20:00	388.91	1.60	952	71	71	1.50	4.5
A4	8:28:00	394.51	1.40	954	72	72	1.30	4.5
A5	8:36:00	399.78	1.40	959	72	72	1.30	4.5
A6	8:44:00	404.82	1.20	959	73	73	1.20	4.0
	8:52:00	409.725						
B1	9:02:00	409.725	2.30	951	73	73	2.20	6.0
B2	9:10:00	416.32	1.30	952	74	74	1.30	4.0
B3	9:18:00	421.50	0.91	953	74	74	0.87	3.5
B4	9:26:00	425.75	0.69	951	74	74	0.66	3.0
B5	9:34:00	429.43	0.53	953	74	74	0.51	3.0
B6	9:42:00	432.80	0.40	955	75	75	0.38	2.5
	9:50:00	435.520						
C1	10:03:00	435.520	3.90	953	75	75	3.80	9.0
C2	10:11:00	444.07	3.80	951	75	75	3.70	9.0
C3	10:19:00	452.52	3.80	950	75	75	3.70	9.0
C4	10:27:00	461.16	3.80	948	75	75	3.70	9.0
C5	10:35:00	469.60	4.00	943	76	76	3.90	9.5
C6	10:43:00	478.50	3.50	937	76	76	3.40	8.5
	10:51:00	486.651						
D1	11:00:00	486.651	4.30	962	77	77	4.10	10.0
D2	11:08:00	495.34	4.40	966	76	76	4.20	10.5
D3	11:16:00	504.51	4.50	971	77	77	4.30	11.0
D4	11:24:00	513.77	4.70	970	77	77	4.50	1.5
D5	11:32:00	523.16	4.60	971	77	77	4.40	1.5
D6	11:40:00	532.45	4.20	968	78	78	4.00	10.0
	11:48:00	541.450						
Run Times:		V_m, ft^3	Ave. ΔP	T_s, °F	T_m, °F		ΔH	Max. Vac.
Start	8:04	165.840	2.75	955.0	74.4	74.4	2.643	11
End	11:48		Ave. √ΔP	T_s, °R	Ave. T_m, °R			
			1.58	1414.7	534.0			
Comments/Notes:								

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Isokinetic Test Support Data

Company:	Georgia Power	Project#:	491281
Plant:	McIntosh Plant	Test Method(s):	5/29
Unit ID:	CT Unit 1 FO	Test Run #:	7
Location:	Exhaust	Test Date(s):	9/20/2022

Console Operator:	M. Lawrie	Unit Operating Mode:	Max		
Console ID:	E13	Duct Shape/Area:	Round	/ 188.69	ft^2
Meter Y:	0.9941	F_d Factor:		dscf/MMBtu	
Orifice $\Delta H_{@i}$:	1.739	F_c Factor:		scf/MMBtu	
Pitot Tube ID:	RPT-8A	F_w Factor:		wscf/MMBtu	
Cal. coefficient (C_p):	0.827	Fuel heat content:		Btu /	
Probe Liner Material:	Quartz	Process/fuel flow rate:			
Nozzle Material:	Quartz	Soot blown?	N/A	Fuel Type:	
Nozzle Diameter (D_n):	0.233 in	Duration:	N/A	min	

Sample collection time				Tare wt.	Final wt:
Total # of points:	24	Imp #	Contents	(grams)	(grams)
Target Sample time/point:	8.0 min	1	Empty	645.7	934.8
Target run duration:	192.0 min	2	HNO3/H2O2	761.2	849.2
		3	HNO3/H2O2	766.0	774.0
Barometric Pressure (P_{bar}):	29.90 in Hg	4	Empty	690.7	691.5
Stack Static Pressure (P_g):	-1.70 in H2O	5	KMnO4/H2SO4	775.5	773.9
Stack Pressure (P_s):	29.78 in Hg	6	KMnO4/H2SO4	756.1	756.3
		7	SiGel	949.9	985.0
Leak Checks					
Pre-Test Train Leak Check:	0.001 CFM @ 15 "Hg			Net grams (M_{H2O}):	419.6
Pre-Test Pitot Leak Check:	Pass (Pass or Fail)				
Post-Test Train Leak Rate:	0.001 CFM @ 18 "Hg	Gas Molecular Weight Method:			
Post-Test Pitot Leak Check:	Pass (Pass or Fail)	Method 3A, Instrumental	% CO_2 :	4.60	%vol dry
Pump/Orifice Leak Check:	Pass (Pass or Fail)		% O_2 :	14.34	%vol dry
Filter/Thimble ID:	513228		% Nitrogen + % CO :	81.06	%vol dry
Tare Weight:	grams		M_d - dry basis :	29.31	lb/lb-mole

Description of Filter and Front Half Rinses:

Description of Impinger liquid:

General Comments:

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Isokinetic Test - Processed Traverse Data

Company: Georgia Power
Plant: McIntosh Plant
Unit: CT Unit 1 FO
Location: Exhaust

Project #: 491281
Method(s): 5/29
Run #: 7

Test Date: 9/20/2022
K-Factor: 0.963
Minutes/pt: 8

Port & Point ID	Clock Time	Meter Volume (V_m) ft^3	ΔP ("H_2O)	Stack (Ts) °F	Dry Gas Meter Inlet (T_{min}) °F	Dry Gas Meter Outlet (T_{mout}) °F	Orifice ΔH ("H_2O)	Sample Vacuum ("Hg)
A1	12:57:00	541.946	3.10	956	74	74	3.00	6.5
A2	13:05:00	549.57	2.00	984	73	73	1.90	5.0
A3	13:13:00	555.68	1.50	983	74	74	1.40	4.0
A4	13:21:00	561.15	1.50	985	74	74	1.40	4.0
A5	13:29:00	566.43	1.40	984	75	75	1.30	3.5
A6	13:37:00	571.41	1.20	982	76	76	1.20	3.5
	13:45:00	576.409						
B1	13:51:00	576.409	2.20	972	76	76	2.10	5.5
B2	13:59:00	582.84	1.30	973	77	77	1.30	4.0
B3	14:07:00	588.79	0.88	973	76	76	0.84	3.0
B4	14:15:00	592.72	0.67	975	76	76	0.64	2.5
B5	14:23:00	595.91	0.57	975	76	76	0.54	2.0
B6	14:31:00	599.24	0.40	969	77	77	0.38	1.5
	14:39:00	602.174						
C1	14:46:00	602.174	3.80	970	80	80	3.70	8.0
C2	14:54:00	610.81	4.00	966	77	77	3.90	8.0
C3	15:02:00	619.66	3.70	961	77	77	3.60	6.0
C4	15:10:00	628.36	4.10	960	77	77	3.90	9.0
C5	15:18:00	637.19	4.00	954	78	78	3.90	9.0
C6	15:26:00	645.98	3.60	949	78	78	3.50	8.5
	15:34:00	654.361						
D1	15:43:00	654.361	4.70	960	78	78	4.50	10.5
D2	15:51:00	663.69	4.50	977	79	79	4.30	11.0
D3	15:59:00	672.96	4.50	979	78	78	4.30	11.0
D4	16:07:00	682.22	4.60	976	79	79	4.40	11.0
D5	16:15:00	689.26	4.50	978	79	79	4.30	11.0
D6	16:23:00	700.83	3.80	975	79	79	3.70	9.5
	16:31:00	710.043						
Run Times:		V_m, ft^3	Ave. ΔP	T_s, °F	T_m, °F		ΔH	Max. Vac.
Start	12:57	168.097	2.77	971.5	76.8	76.8	2.667	11
End	16:31		Ave. √ΔP	T_s, °R	Ave. T_m, °R			
			1.59	1431.2	536.5			
Comments/Notes:								

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Isokinetic Test Support Data

Company:	Georgia Power	**Project#:**	491281
Plant:	McIntosh Plant	**Test Method(s):**	5/29
Unit ID:	CT Unit 2 - NG	**Test Run #:**	1
Location:	Exhaust	**Test Date(s):**	9/21/2022

Console Operator:	A. Frank		**Unit Operating Mode:**	Max	
Console ID:	E13		**Duct Shape/Area:**	Round / 188.69	ft^2
Meter Y:	0.9941		**F_d Factor:**		dscf/MMBtu
Orifice $\Delta H_{@i}$:	1.739		**F_c Factor:**		scf/MMBtu
Pitot Tube ID:	RPTI-8A		**F_w Factor:**		wscf/MMBtu
Cal. coefficient (C_p):	0.827		**Fuel heat content:**		Btu /
Probe Liner Material:	Quartz		**Process/fuel flow rate:**		
Nozzle Material:	Quartz		**Soot blown?**	N/A	**Fuel Type:**
Nozzle Diameter (D_n):	0.233	in	**Duration:**	N/A	min

Sample collection time				**Tare wt.**	**Final wt:**
Total # of points:	24		**Imp #**	**Contents**	**(grams)**	**(grams)**
Target Sample time/point:	8.0	min	1	Empty	645.2	954.4
Target run duration:	192.0	min	2	HNO3/H2O2	762.4	866.7
			3	HNO3/H2O2	766.0	789.1
Barometric Pressure (P_{bar}):	29.90	in Hg	4	Empty	690.6	698.2
Stack Static Pressure (P_g):	-1.70	in H2O	5	KMnO4/H2SO4	749.8	752.5
Stack Pressure (P_s):	29.78	in Hg	6	KMnO4/H2SO4	765.1	767.7
			7	SiGel	941.8	980.4
Leak Checks						
Pre-Test Train Leak Check:	0.001	CFM @ 15 "Hg			**Net grams (M_{H20}):**	488.1
Pre-Test Pitot Leak Check:	Pass	(Pass or Fail)				
Post-Test Train Leak Rate:	0.001	CFM @ 17 "Hg	**Gas Molecular Weight Method:**			
Post-Test Pitot Leak Check:	Pass	(Pass or Fail)	Method 3A, Instrumental	**% CO_2 :**	3.57	%vol dry
Pump/Orifice Leak Check:	Pass	(Pass or Fail)		**% O_2 :**	14.45	%vol dry
Filter/Thimble ID:	513229			**% Nitrogen + % CO :**	81.98	%vol dry
Tare Weight:		grams		**M_d - dry basis :**	29.15	lb/lb-mole

Description of Filter and Front Half Rinses:

Description of Impinger liquid:

General Comments:

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Isokinetic Test - Processed Traverse Data

Company: Georgia Power
Plant: McIntosh Plant
Unit: CT Unit 2 - NG
Location: Exhaust

Project #: 491281
Method(s): 5/29
Run #: 1

Test Date: 9/21/2022
K-Factor: 1.047
Minutes/pt: 8

Port & Point ID	Clock Time	Meter Volume (V_m) ft^3	ΔP ("H_2O)	Stack (Ts) °F	Dry Gas Meter Inlet (T_{min}) °F	Dry Gas Meter Outlet (T_{mout}) °F	Orifice ΔH ("H_2O)	Sample Vacuum ("Hg)
A1	8:57:00	711.054	3.90	941	70	70	3.90	7.0
A2	9:05:00	719.92	3.50	947	70	70	3.50	6.5
A3	9:13:00	728.23	3.20	947	70	70	3.20	6.5
A4	9:21:00	736.18	3.50	939	70	70	3.50	6.0
A5	9:29:00	744.68	3.90	931	72	72	3.90	7.5
A6	9:37:00	753.42	3.50	923	74	74	3.50	7.0
	9:45:00	761.814						
B1	10:00:00	761.814	4.30	952	74	74	4.30	9.5
B2	10:08:00	771.06	4.80	930	74	74	4.80	10.0
B3	10:16:00	780.68	4.80	947	74	74	4.80	11.0
B4	10:24:00	790.41	4.90	943	75	75	4.90	11.0
B5	10:32:00	800.22	4.70	937	75	75	4.70	11.0
B6	10:40:00	809.88	4.00	931	76	76	4.00	9.0
	10:48:00	818.955						
C1	10:57:00	818.955	2.90	971	76	76	2.90	6.0
C2	11:05:00	826.65	2.00	973	76	76	2.00	6.0
C3	11:13:00	833.12	1.70	972	76	76	1.70	5.0
C4	11:21:00	839.06	1.80	970	77	77	1.80	5.0
C5	11:29:00	845.38	2.30	964	77	77	2.30	6.0
C6	11:37:00	851.87	2.00	949	78	78	2.00	5.5
	11:45:00	858.265						
D1	11:51:00	858.265	2.10	950	79	79	2.10	5.0
D2	11:59:00	864.63	1.00	977	78	78	0.99	4.0
D3	12:07:00	869.28	0.77	978	78	78	0.76	3.5
D4	12:15:00	873.29	0.58	976	79	79	0.57	3.0
D5	12:23:00	876.77	0.42	976	78	78	0.41	2.0
D6	12:31:00	879.79	0.30	969	79	79	0.29	1.0
	12:39:00	884.656						
Run Times:		V_m, ft^3	Ave. ΔP	T_s, °F	T_m, °F		ΔH	Max. Vac.
Start	8:57	173.602	2.79	953.9	75.2	75.2	2.784	11
End	12:39		Ave. √ΔP	T_s, °R	Ave. T_m, °R			
			1.59	1413.5	534.9			
Comments/Notes:								

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Isokinetic Test Support Data

Company:	Georgia Power	Project#:	491281
Plant:	McIntosh Plant	Test Method(s):	5/29
Unit ID:	CT Unit 2 - NG	Test Run #:	2
Location:	Exhaust	Test Date(s):	9/21/2022

Console Operator:	A. Frank		Unit Operating Mode:	Max	
Console ID:	M16		Duct Shape/Area:	Round / 188.69	ft^2
Meter Y:	1.0105		F_d Factor:		dscf/MMBtu
Orifice $\Delta H_{@i}$:	1.899		F_c Factor:		scf/MMBtu
Pitot Tube ID:	RPTI-8B		F_w Factor:		wscf/MMBtu
Cal. coefficient (C_p):	0.825		Fuel heat content:		Btu /
Probe Liner Material:	Quartz		Process/fuel flow rate:		
Nozzle Material:	Quartz		Soot blown?	N/A	Fuel Type:
Nozzle Diameter (D_n):	0.233 in		Duration:	N/A min	

Sample collection time				Tare wt.	Final wt:
Total # of points:	24	Imp #	Contents	(grams)	(grams)
Target Sample time/point:	8.0 min	1	Empty	648.9	958.2
Target run duration:	192.0 min	2	HNO3/H2O2	748.9	860.8
		3	HNO3/H2O2	752.7	760.8
Barometric Pressure (P_{bar}):	29.90 in Hg	4	Empty	650.3	652.3
Stack Static Pressure (P_g):	-1.70 in H2O	5	KMnO4/H2SO4	775.1	772.9
Stack Pressure (P_s):	29.78 in Hg	6	KMnO4/H2SO4	753.4	752.8
		7	SiGel	997.2	1031.4
Leak Checks					
Pre-Test Train Leak Check:	0.001 CFM @ 15 "Hg			Net grams (M_{H2O}):	462.7
Pre-Test Pitot Leak Check:	Pass (Pass or Fail)				
Post-Test Train Leak Rate:	0.001 CFM @ 18 "Hg	Gas Molecular Weight Method:			
Post-Test Pitot Leak Check:	Pass (Pass or Fail)	Method 3A, Instrumental	% CO_2 :	3.62	%vol dry
Pump/Orifice Leak Check:	Pass (Pass or Fail)		% O_2 :	14.38	%vol dry
Filter/Thimble ID:	513230		% Nitrogen + % CO :	82.00	%vol dry
Tare Weight:	grams		M_d - dry basis :	29.15	lb/lb-mole

Description of Filter and Front Half Rinses:

Description of Impinger liquid:

General Comments:

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Isokinetic Test - Processed Traverse Data

Company: Georgia Power
Plant: McIntosh Plant
Unit: CT Unit 2 - NG
Location: Exhaust

Project #: 491281
Method(s): 5/29
Run #: 2

Test Date: 9/21/2022
K-Factor: 1.047
Minutes/pt: 8

Port & Point ID	Clock Time	Meter Volume (V_m) ft^3	ΔP ("H_2O)	Stack (Ts) °F	Dry Gas Meter Inlet (T_{min}) °F	Dry Gas Meter Outlet (T_{mout}) °F	Orifice ΔH ("H_2O)	Sample Vacuum ("Hg)
A1	12:43:00	458.240	3.80	975	68	68	3.80	10.0
A2	12:51:00	466.27	3.50	975	72	68	3.50	11.0
A3	12:59:00	474.31	3.20	969	76	69	3.20	9.5
A4	13:07:00	481.87	3.40	963	79	70	3.40	10.0
A5	13:15:00	489.52	3.50	961	80	71	3.50	11.0
A6	13:23:00	497.39	3.40	956	81	72	3.40	10.5
	13:31:00	504.985						
B1	13:41:00	504.985	3.60	950	73	72	3.60	12.0
B2	13:49:00	512.82	4.00	976	77	72	3.90	13.0
B3	13:57:00	521.03	4.30	972	78	72	4.20	15.0
B4	14:05:00	529.62	4.40	967	78	73	4.30	15.5
B5	14:13:00	538.27	4.30	957	78	73	4.20	15.5
B6	14:21:00	547.01	4.00	955	78	73	3.90	13.5
	14:29:00	555.264						
C1	14:38:00	555.264	2.20	984	73	72	2.20	7.5
C2	14:46:00	561.53	1.80	992	76	72	1.80	7.0
C3	14:54:00	567.32	1.50	983	78	73	1.50	6.0
C4	15:02:00	572.52	1.70	982	79	72	1.70	6.5
C5	15:10:00	578.01	2.10	983	80	73	2.10	7.5
C6	15:18:00	584.07	2.30	977	81	73	2.30	8.5
	15:26:00	590.585						
D1	15:42:00	590.585	2.00	970	73	73	2.00	7.0
D2	15:50:00	596.56	1.30	988	76	75	1.30	6.0
D3	15:58:00	601.67	0.80	986	78	74	0.80	4.0
D4	16:06:00	605.71	0.55	984	78	73	0.53	3.0
D5	16:14:00	611.03	0.43	981	79	73	0.42	3.0
D6	16:22:00	613.97	0.34	976	76	73	0.33	2.0
	16:30:00	616.460						
Run Times:		V_m, ft^3	Ave. ΔP	T_s, °F	T_m, °F		ΔH	Max. Vac.
Start	12:43	158.220	2.60	973.4	76.9	72.0	2.578	15.5
End	16:30		Ave. √ΔP	T_s, °R	Ave. T_m, °R			
			1.54	1433.1	534.1			
Comments/Notes:								

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Isokinetic Test Support Data

Company:	Georgia Power	Project#:	491281
Plant:	McIntosh Plant	Test Method(s):	5/29
Unit ID:	CT Unit 2 - NG	Test Run #:	3
Location:	Exhaust	Test Date(s):	9/22/2022

Console Operator:	M. Lawrie	Unit Operating Mode:	Max		
Console ID:	E13	Duct Shape/Area:	Round	/ 188.69	ft^2
Meter Y:	0.9941	F_d Factor:		dscf/MMBtu	
Orifice $\Delta H_{@i}$:	1.739	F_c Factor:		scf/MMBtu	
Pitot Tube ID:	RPI-8B	F_w Factor:		wscf/MMBtu	
Cal. coefficient (C_p):	0.825	Fuel heat content:		Btu /	
Probe Liner Material:	Quartz	Process/fuel flow rate:			
Nozzle Material:	Quartz	Soot blown?	N/A	Fuel Type:	
Nozzle Diameter (D_n):	0.233 in	Duration:	N/A	min	

Sample collection time				Tare wt.	Final wt:
Total # of points:	24	Imp #	Contents	(grams)	(grams)
Target Sample time/point:	8.0 min	1	Empty	645.2	976.1
Target run duration:	192.0 min	2	HNO3/H2O2	763.3	878.2
		3	HNO3/H2O2	767.4	780.3
Barometric Pressure (P_{bar}):	29.80 in Hg	4	Empty	690.3	692.7
Stack Static Pressure (P_g):	-1.70 in H2O	5	KMnO4/H2SO4	750.3	745.7
Stack Pressure (P_s):	29.68 in Hg	6	KMnO4/H2SO4	763.0	762.2
		7	SiGel	964.4	1006.0
Leak Checks					
Pre-Test Train Leak Check:	0.010 CFM @ 12 "Hg			Net grams (M_{H2O}):	497.3
Pre-Test Pitot Leak Check:	Pass (Pass or Fail)				
Post-Test Train Leak Rate:	0.010 CFM @ 15 "Hg	Gas Molecular Weight Method:			
Post-Test Pitot Leak Check:	Pass (Pass or Fail)	Method 3A, Instrumental	% CO_2 :	3.64	%vol dry
Pump/Orifice Leak Check:	Pass (Pass or Fail)		% O_2 :	14.34	%vol dry
Filter/Thimble ID:	513259		% Nitrogen + % CO :	82.03	%vol dry
Tare Weight:	grams		M_d - dry basis :	29.16	lb/lb-mole

Description of Filter and Front Half Rinses:

Description of Impinger liquid:

General Comments:

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Isokinetic Test - Processed Traverse Data

Company: Georgia Power
Plant: McIntosh Plant
Unit: CT Unit 2 - NG
Location: Exhaust

Project #: 491281
Method(s): 5/29
Run #: 3

Test Date: 9/22/2022
K-Factor: 1.047
Minutes/pt: 8

Port & Point ID	Clock Time	Meter Volume (V_m) ft^3	ΔP ("H_2O)	Stack (Ts) °F	Dry Gas Meter Inlet (T_{min}) °F	Dry Gas Meter Outlet (T_{mout}) °F	Orifice ΔH ("H_2O)	Sample Vacuum ("Hg)
A1	7:56:00	886.902	4.40	937	70	70	4.30	12.5
A2	8:04:00	895.98	3.70	939	70	70	3.60	11.0
A3	8:12:00	904.33	3.20	937	72	72	3.10	9.5
A4	8:20:00	912.32	3.40	939	72	72	3.30	10.0
A5	8:28:00	920.30	3.70	929	73	73	3.60	11.0
A6	8:36:00	928.70	3.40	927	73	73	3.30	10.0
	8:44:00	936.834						
B1	8:50:00	936.834	3.40	948	73	73	3.30	11.0
B2	8:58:00	945.41	4.30	948	74	74	4.20	13.0
B3	9:06:00	954.55	4.40	942	74	74	4.30	13.5
B4	9:14:00	936.66	4.50	946	74	74	4.40	13.5
B5	9:22:00	973.06	4.40	941	74	74	4.30	13.5
B6	9:30:00	982.32	3.80	932	75	75	3.70	11.5
	9:38:00	990.822						
C1	9:45:00	990.822	2.10	968	76	76	2.10	7.0
C2	9:53:00	997.45	1.60	969	76	76	1.60	6.0
C3	10:01:00	1003.16	1.50	967	76	76	1.50	5.5
C4	10:09:00	1008.63	1.60	966	76	76	1.60	6.0
C5	10:17:00	1014.31	2.00	965	78	78	2.00	7.0
C6	10:25:00	1020.68	2.20	961	78	78	2.20	7.5
	10:33:00	1027.330						
D1	10:40:00	1027.330	2.30	973	78	78	2.30	8.0
D2	10:48:00	1034.15	1.30	975	78	78	1.30	5.5
D3	10:56:00	1039.43	0.76	975	78	78	0.74	4.0
D4	11:04:00	1043.31	0.54	974	78	78	0.52	3.5
D5	11:12:00	1046.76	0.42	976	78	78	0.41	3.0
D6	11:20:00	1049.67	0.35	974	78	78	0.34	3.0
	11:28:00	1052.242						
Run Times:		V_m, ft^3	Ave. ΔP	T_s, °F	T_m, °F		ΔH	Max. Vac.
Start	7:56	165.340	2.64	954.5	75.1	75.1	2.584	13.5
End	11:28		Ave. √ΔP	T_s, °R	Ave. T_m, °R			
			1.55	1414.2	534.8			
Comments/Notes:								

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Isokinetic Test Support Data

Company:	Georgia Power	**Project#:**	491281
Plant:	McIntosh Plant	**Test Method(s):**	5/29
Unit ID:	CT Unit 2 - NG	**Test Run #:**	4
Location:	Exhaust	**Test Date(s):**	9/22/2022

Console Operator:	M. Lawrie	**Unit Operating Mode:**	Max		
Console ID:	E13	**Duct Shape/Area:**	Round	/ 188.69	ft^2
Meter Y:	0.9941	**F_d Factor:**		dscf/MMBtu	
Orifice $\Delta H_{@i}$:	1.739	**F_c Factor:**		scf/MMBtu	
Pitot Tube ID:	RPI-8B	**F_w Factor:**		wscf/MMBtu	
Cal. coefficient (C_p):	0.825	**Fuel heat content:**		Btu /	
Probe Liner Material:	Quartz	**Process/fuel flow rate:**			
Nozzle Material:	Quartz	**Soot blown?**	N/A	**Fuel Type:**	
Nozzle Diameter (D_n):	0.233 in	**Duration:**	N/A min		

Sample collection time				**Tare wt.**	**Final wt:**
Total # of points:	24	**Imp #**	**Contents**	**(grams)**	**(grams)**
Target Sample time/point:	8.0 min	1	Empty	649.0	916.2
Target run duration:	192.0 min	2	HNO3/H2O2	750.1	883.2
		3	HNO3/H2O2	752.9	807.6
Barometric Pressure (P_{bar}):	29.75 in Hg	4	Empty	650.9	653.3
Stack Static Pressure (P_g):	-1.70 in H2O	5	KMnO4/H2SO4	753.4	753.1
Stack Pressure (P_s):	29.63 in Hg	6	KMnO4/H2SO4	774.6	773.2
		7	SiGel	971.0	1004.0
Leak Checks					
Pre-Test Train Leak Check:	0.001 CFM @ 12 "Hg			**Net grams (M_{H2O}):**	488.7
Pre-Test Pitot Leak Check:	Pass (Pass or Fail)				
Post-Test Train Leak Rate:	0.001 CFM @ 22 "Hg	**Gas Molecular Weight Method:**			
Post-Test Pitot Leak Check:	Pass (Pass or Fail)	Method 3A, Instrumental	**% CO_2 :**	3.64	%vol dry
Pump/Orifice Leak Check:	Pass (Pass or Fail)		**% O_2 :**	14.34	%vol dry
Filter/Thimble ID:	513260		**% Nitrogen + % CO :**	82.03	%vol dry
Tare Weight:	grams		**M_d - dry basis :**	29.16	lb/lb-mole

Description of Filter and Front Half Rinses:

Description of Impinger liquid:

General Comments:

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Isokinetic Test - Processed Traverse Data

Company: Georgia Power
Plant: McIntosh Plant
Unit: CT Unit 2 - NG
Location: Exhaust

Project #: 491281
Method(s): 5/29
Run #: 4

Test Date: 9/22/2022
K-Factor: 1.047
Minutes/pt: 8

Port & Point ID	Clock Time	Meter Volume (V_m) ft^3	ΔP ("H_2O)	Stack (Ts) °F	Dry Gas Meter Inlet (T_{min}) °F	Dry Gas Meter Outlet (T_{mout}) °F	Orifice ΔH ("H_2O)	Sample Vacuum ("Hg)
A1	11:30:00	617.149	4.30	969	68	68	4.20	11.0
A2	11:38:00	625.53	4.20	971	71	71	4.10	11.0
A3	11:46:00	633.97	3.60	971	68	68	3.50	10.0
A4	11:54:00	642.07	3.50	970	68	68	3.40	9.5
A5	12:02:00	649.87	3.70	972	68	68	3.60	10.0
A6	12:10:00	657.80	3.70	972	68	68	3.60	10.0
	12:18:00	665.641						
B1	12:18:00	665.641	3.90	976	73	73	3.80	10.0
B2	12:26:00	673.85	4.50	974	76	76	4.40	15.5
B3	12:34:00	682.44	4.60	976	76	76	4.50	15.5
B4	12:42:00	691.29	4.60	969	77	77	4.50	15.0
B5	12:50:00	700.20	4.50	963	78	78	4.40	13.5
B6	12:58:00	709.24	4.10	956	78	78	4.00	11.5
	13:06:00	717.610						
C1	13:23:00	717.610	2.20	996	74	74	2.20	7.0
C2	13:31:00	723.89	1.80	993	76	76	1.80	7.0
C3	13:39:00	729.74	1.50	988	77	77	1.50	5.5
C4	13:47:00	735.13	1.60	990	78	78	1.60	5.5
C5	13:55:00	740.53	2.30	986	78	78	2.30	7.0
C6	14:03:00	746.93	2.40	982	79	79	2.40	7.0
	14:11:00	753.617						
D1	14:36:00	753.617	1.70	991	73	73	1.70	6.0
D2	14:44:00	759.16	1.30	994	74	74	1.30	5.0
D3	14:52:00	764.23	0.74	992	76	76	0.72	3.5
D4	15:00:00	767.99	0.48	992	76	76	0.47	3.0
D5	15:08:00	771.05	0.40	994	75	75	0.39	3.0
D6	15:16:00	773.76	0.33	988	75	75	0.32	2.5
	15:24:00	776.281						
Run Times:		V_m, ft^3	Ave. ΔP	T_s, °F	T_m, °F		ΔH	Max. Vac.
Start	11:30	159.132	2.75	980.2	74.2	74.2	2.696	15.5
End	15:24		Ave. √ΔP	T_s, °R	Ave. T_m, °R			
			1.58	1439.9	533.8			
Comments/Notes:								

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Isokinetic Test Support Data

Company:	Georgia Power	Project#:	491281
Plant:	McIntosh Plant	Test Method(s):	5/29
Unit ID:	CT Unit 2 - NG	Test Run #:	5
Location:	Exhaust	Test Date(s):	9/22/2022

Console Operator:	M. Lawrie		Unit Operating Mode:	Max	
Console ID:	E13		Duct Shape/Area:	Round / 188.69	ft^2
Meter Y:	0.9941		F_d Factor:		dscf/MMBtu
Orifice $\Delta H_{@i}$:	1.739		F_c Factor:		scf/MMBtu
Pitot Tube ID:	RPTI-8B		F_w Factor:		wscf/MMBtu
Cal. coefficient (C_p):	0.825		Fuel heat content:		Btu /
Probe Liner Material:	Quartz		Process/fuel flow rate:		
Nozzle Material:	Quartz		Soot blown?	N/A	Fuel Type:
Nozzle Diameter (D_n):	0.233 in		Duration:	N/A min	

Sample collection time				Tare wt.	Final wt:
Total # of points:	24	Imp #	Contents	(grams)	(grams)
Target Sample time/point:	8.0 min	1	Empty	645.3	941.6
Target run duration:	192.0 min	2	HNO3/H2O2	762.1	915.3
		3	HNO3/H2O2	766.7	777.6
Barometric Pressure (P_{bar}):	29.75 in Hg	4	Empty	690.4	693.5
Stack Static Pressure (P_g):	-1.70 in H2O	5	KMnO4/H2SO4	751.8	750.9
Stack Pressure (P_s):	29.63 in Hg	6	KMnO4/H2SO4	764.5	764.5
		7	SiGel	947.8	981.0
Leak Checks					
Pre-Test Train Leak Check:	0.001 CFM @ 15 "Hg			Net grams (M_{H20}):	495.8
Pre-Test Pitot Leak Check:	Pass (Pass or Fail)				
Post-Test Train Leak Rate:	0.001 CFM @ 16 "Hg	Gas Molecular Weight Method:			
Post-Test Pitot Leak Check:	Pass (Pass or Fail)	Method 3A, Instrumental	% CO_2 :	3.64	%vol dry
Pump/Orifice Leak Check:	Pass (Pass or Fail)		% O_2 :	14.33	%vol dry
Filter/Thimble ID:	513257		% Nitrogen + % CO :	82.03	%vol dry
Tare Weight:	grams		M_d - dry basis :	29.16	lb/lb-mole

Description of Filter and Front Half Rinses:

Description of Impinger liquid:

General Comments:

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Isokinetic Test - Processed Traverse Data

Company: Georgia Power
Plant: McIntosh Plant
Unit: CT Unit 2 - NG
Location: Exhaust

Project #: 491281
Method(s): 5/29
Run #: 5

Test Date: 9/22/2022
K-Factor: 1.047
Minutes/pt: 8

Port & Point ID	Clock Time	Meter Volume (V_m) ft^3	ΔP ("H_2O)	Stack (Ts) °F	Dry Gas Meter Inlet (T_{min}) °F	Dry Gas Meter Outlet (T_{mout}) °F	Orifice ΔH ("H_2O)	Sample Vacuum ("Hg)
A1	15:44:00	52.789	3.40	986	72	72	3.30	7.0
A2	15:52:00	61.08	3.20	984	74	74	3.10	7.0
A3	16:00:00	68.89	3.10	978	76	76	3.00	7.0
A4	16:08:00	76.66	3.20	972	77	77	3.10	7.0
A5	16:16:00	84.67	3.30	969	79	79	3.20	7.5
A6	16:24:00	92.64	3.30	969	78	78	3.20	7.5
	16:32:00	100.760						
B1	16:38:00	100.760	3.70	982	79	79	3.60	8.0
B2	16:46:00	109.27	3.40	983	80	80	3.30	8.0
B3	16:54:00	118.19	4.00	980	80	80	3.90	9.0
B4	17:02:00	126.89	4.20	972	80	80	4.10	9.0
B5	17:10:00	135.93	4.20	966	80	80	4.10	9.0
B6	17:18:00	144.99	4.00	959	80	80	3.90	9.0
	17:26:00	153.981						
C1	17:33:00	153.981	2.00	991	79	79	2.00	5.5
C2	17:41:00	160.45	1.70	990	79	79	1.70	5.0
C3	17:49:00	165.65	1.40	985	79	79	1.40	5.0
C4	17:57:00	171.84	1.50	984	79	79	1.50	5.0
C5	18:05:00	177.39	2.10	978	79	79	2.10	5.0
C6	18:13:00	183.41	2.30	974	80	80	2.30	6.0
	18:21:00	190.158						
D1	18:27:00	190.158	1.70	978	80	80	1.70	5.0
D2	18:35:00	196.19	0.94	977	80	80	0.92	4.0
D3	18:43:00	200.64	0.74	975	81	81	0.72	3.5
D4	18:51:00	204.50	0.58	974	81	81	0.56	3.0
D5	18:59:00	207.98	0.47	972	81	81	0.46	3.0
D6	19:07:00	211.28	0.34	969	81	81	0.33	3.0
	19:15:00	213.802						
Run Times:		V_m, ft^3	Ave. ΔP	T_s, °F	T_m, °F		ΔH	Max. Vac.
Start	15:44	161.013	2.45	977.0	78.9	78.9	2.395	9
End	19:15		Ave. √ΔP	T_s, °R	Ave. T_m, °R			
			1.50	1436.6	538.6			
Comments/Notes:								

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Isokinetic Test Support Data

Company:	Georgia Power	**Project#:**	491281
Plant:	McIntosh Plant	**Test Method(s):**	5/29
Unit ID:	CT Unit 2 - FO	**Test Run #:**	1
Location:	Exhaust	**Test Date(s):**	9/26/2022

Console Operator:	A. Frank		**Unit Operating Mode:**	Max	
Console ID:	E13		**Duct Shape/Area:**	Round / 188.69	ft^2
Meter Y:	0.9941		**F_d Factor:**		dscf/MMBtu
Orifice $\Delta H_{@i}$:	1.739		**F_c Factor:**		scf/MMBtu
Pitot Tube ID:	RPTi-8A		**F_w Factor:**		wscf/MMBtu
Cal. coefficient (C_p):	0.827		**Fuel heat content:**		Btu /
Probe Liner Material:	Quartz		**Process/fuel flow rate:**		
Nozzle Material:	Quartz		**Soot blown?**	N/A	**Fuel Type:**
Nozzle Diameter (D_n):	0.233	in	**Duration:**	N/A	min

Sample collection time				**Tare wt.**	**Final wt:**
Total # of points:	24		**Imp #**	**Contents**	**(grams)**	**(grams)**
Target Sample time/point:	8.0	min	1	Empty	648.7	955.5
Target run duration:	192.0	min	2	HNO3/H2O2	750.1	807.7
			3	HNO3/H2O2	753.4	767.9
Barometric Pressure (P_{bar}):	29.80	in Hg	4	Empty	650.2	654.5
Stack Static Pressure (P_g):	-1.70	in H2O	5	KMnO4/H2SO4	764.2	761.3
Stack Pressure (P_s):	29.68	in Hg	6	KMnO4/H2SO4	751.2	751.8
			7	SiGel	972.9	1008.9
Leak Checks						
Pre-Test Train Leak Check:	0.001	CFM @ 17 "Hg			**Net grams (M_{H20}):**	416.9
Pre-Test Pitot Leak Check:	Pass	(Pass or Fail)				
Post-Test Train Leak Rate:	0.001	CFM @ 15 "Hg	**Gas Molecular Weight Method:**			
Post-Test Pitot Leak Check:	Pass	(Pass or Fail)	Method 3A, Instrumental	**% CO_2 :**	4.57	%vol dry
Pump/Orifice Leak Check:	Pass	(Pass or Fail)		**% O_2 :**	14.41	%vol dry
Filter/Thimble ID:	513258			**% Nitrogen + % CO :**	81.01	%vol dry
Tare Weight:		grams		**M_d - dry basis :**	29.31	lb/lb-mole

Description of Filter and Front Half Rinses:

Description of Impinger liquid:

General Comments:

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Isokinetic Test - Processed Traverse Data

Company: Georgia Power
Plant: McIntosh Plant
Unit: CT Unit 2 - FO
Location: Exhaust

Project #: 491281
Method(s): 5/29
Run #: 1

Test Date: 9/26/2022
K-Factor: 0.969
Minutes/pt: 8

Port & Point ID	Clock Time	Meter Volume (V_m) ft^3	ΔP ("H_2O)	Stack (Ts) °F	Dry Gas Meter Inlet (T_{min}) °F	Dry Gas Meter Outlet (T_{mout}) °F	Orifice ΔH ("H_2O)	Sample Vacuum ("Hg)
A1	7:32:00	214.370	4.30	966	75	75	4.10	8.0
A2	7:40:00	223.24	3.80	954	71	71	3.70	8.5
A3	7:48:00	231.81	3.40	949	72	72	3.30	8.0
A4	7:56:00	239.84	3.70	943	72	72	3.70	9.0
A5	8:04:00	248.34	3.90	935	73	73	3.80	9.0
A6	8:12:00	257.07	3.40	931	73	73	3.30	8.0
	8:20:00	265.344						
B1	8:25:00	265.344	3.80	930	74	74	3.70	8.5
B2	8:33:00	273.82	4.30	949	74	74	4.20	10.0
B3	8:41:00	282.78	4.50	949	75	75	4.40	10.5
B4	8:49:00	292.13	4.50	945	74	74	4.40	11.0
B5	8:57:00	301.65	4.50	937	75	75	4.40	11.0
B6	9:05:00	310.74	4.00	933	75	75	3.90	9.5
	9:13:00	319.574						
C1	9:20:00	319.574	2.20	930	76	76	2.10	6.0
C2	9:28:00	326.03	1.60	966	75	75	1.60	5.0
C3	9:36:00	331.78	1.50	958	74	74	1.50	5.0
C4	9:44:00	337.34	1.70	965	75	75	1.70	5.0
C5	9:52:00	343.21	2.30	962	75	75	2.20	6.0
C6	10:00:00	349.91	2.20	954	75	75	2.10	6.0
	10:08:00	356.541						
D1	10:14:00	356.541	2.10	950	75	75	2.00	6.0
D2	10:22:00	362.82	1.30	973	75	75	1.30	4.5
D3	10:30:00	367.96	0.86	974	74	74	0.83	4.0
D4	10:38:00	372.21	0.56	973	75	75	0.54	3.0
D5	10:46:00	375.63	0.43	973	75	75	0.41	2.5
D6	10:54:00	378.31	0.35	972	75	75	0.34	3.0
	11:02:00	381.521						
Run Times:		V_m, ft^3	Ave. ΔP	T_s, °F	T_m, °F		ΔH	Max. Vac.
Start	7:32	167.151	2.72	953.0	74.3	74.3	2.647	43
End	11:02		Ave. √ΔP	T_s, °R	Ave. T_m, °R			
			1.57	1412.6	533.9			
Comments/Notes:								

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Isokinetic Test Support Data

Company:	Georgia Power	**Project#:**	491281
Plant:	McIntosh Plant	**Test Method(s):**	5/29
Unit ID:	CT Unit 2 - FO	**Test Run #:**	2
Location:	Exhaust	**Test Date(s):**	9/26/2022

Console Operator:	A. Frank	**Unit Operating Mode:**	Max		
Console ID:	M16	**Duct Shape/Area:**	Round / 188.69	ft^2	
Meter Y:	1.0105	**F_d Factor:**		dscf/MMBtu	
Orifice $\Delta H_{@i}$:	1.899	**F_c Factor:**		scf/MMBtu	
Pitot Tube ID:	RPTI-8B	**F_w Factor:**		wscf/MMBtu	
Cal. coefficient (C_p):	0.825	**Fuel heat content:**		Btu /	
Probe Liner Material:	Quartz	**Process/fuel flow rate:**			
Nozzle Material:	Quartz	**Soot blown?**	N/A	**Fuel Type:**	
Nozzle Diameter (D_n):	0.233 in	**Duration:**	N/A min		

Sample collection time				**Tare wt.**	**Final wt:**
Total # of points:	24	**Imp #**	**Contents**	**(grams)**	**(grams)**
Target Sample time/point:	8.0 min	1	Empty	644.1	945.2
Target run duration:	192.0 min	2	HNO3/H2O2	763.4	811.5
		3	HNO3/H2O2	766.8	776.5
Barometric Pressure (P_{bar}):	29.80 in Hg	4	Empty	689.5	691.1
Stack Static Pressure (P_g):	-1.70 in H2O	5	KMnO4/H2SO4	773.4	772.8
Stack Pressure (P_s):	29.68 in Hg	6	KMnO4/H2SO4	752.1	750.3
		7	SiGel	956.7	988.0
Leak Checks					
Pre-Test Train Leak Check:	0.001 CFM @ 16 "Hg			**Net grams (M_{H2O}):**	389.4
Pre-Test Pitot Leak Check:	Pass (Pass or Fail)				
Post-Test Train Leak Rate:	0.001 CFM @ 18 "Hg	**Gas Molecular Weight Method:**			
Post-Test Pitot Leak Check:	Pass (Pass or Fail)	Method 3A, Instrumental	**% CO_2 :**	4.63	%vol dry
Pump/Orifice Leak Check:	Pass (Pass or Fail)		**% O_2 :**	14.34	%vol dry
Filter/Thimble ID:	513251		**% Nitrogen + % CO :**	81.03	%vol dry
Tare Weight:	grams		**M_d - dry basis :**	29.31	lb/lb-mole

Description of Filter and Front Half Rinses:

Description of Impinger liquid:

General Comments:

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Isokinetic Test - Processed Traverse Data

Company: Georgia Power
Plant: McIntosh Plant
Unit: CT Unit 2 - FO
Location: Exhaust

Project #: 491281
Method(s): 5/29
Run #: 2

Test Date: 9/26/2022
K-Factor: 0.969
Minutes/pt: 8

Port & Point ID	Clock Time	Meter Volume (V_m) ft^3	ΔP ("H_2O)	Stack (Ts) °F	Dry Gas Meter Inlet (T_{min}) °F	Dry Gas Meter Outlet (T_{mout}) °F	Orifice ΔH ("H_2O)	Sample Vacuum ("Hg)
A1	11:04:00	780.255	2.20	983	66	66	2.10	5.0
A2	11:12:00	786.32	1.70	984	69	66	1.70	4.5
A3	11:20:00	791.87	1.40	982	72	70	1.30	4.0
A4	11:28:00	796.81	1.50	980	73	67	1.50	4.0
A5	11:36:00	801.93	2.10	977	74	68	2.00	5.0
A6	11:44:00	807.91	2.10	973	76	68	2.00	5.0
	11:52:00	813.875						
B1	11:58:00	813.875	2.20	970	70	69	2.10	5.0
B2	12:06:00	820.01	1.00	988	74	69	0.96	2.0
B3	12:14:00	824.27	0.74	985	74	70	0.72	1.5
B4	12:22:00	827.93	0.55	983	73	70	0.52	1.0
B5	12:30:00	831.15	0.45	984	72	70	0.43	1.0
B6	12:38:00	834.03	0.32	981	72	71	0.30	0.5
	12:46:00	836.484						
C1	12:56:00	836.484	3.80	980	70	70	3.70	8.0
C2	13:04:00	844.41	3.60	979	74	70	3.50	8.0
C3	13:12:00	852.26	3.20	977	77	70	3.10	7.5
C4	13:20:00	859.74	3.30	968	77	70	3.20	7.5
C5	13:28:00	867.38	3.60	966	78	70	3.50	8.0
C6	13:36:00	875.16	3.50	960	78	71	3.40	8.0
	13:44:00	883.035						
D1	13:50:00	883.035	3.80	960	71	71	3.70	8.0
D2	13:58:00	891.14	4.00	979	75	70	3.90	9.0
D3	14:06:00	899.41	4.30	976	77	70	4.10	9.5
D4	14:14:00	907.81	4.40	971	78	71	4.20	10.0
D5	14:22:00	916.44	4.30	965	80	72	4.10	10.0
D6	14:30:00	925.07	3.80	958	79	72	3.70	9.0
	14:38:00	933.396						

Run Times:		V_m, ft^3	Ave. ΔP	T_s, °F	T_m, °F		ΔH	Max. Vac.
Start	11:04	153.141	2.58	975.4	74.1	69.6	2.489	10
End	14:38		Ave. √ΔP	T_s, °R	Ave. T_m, °R			
			1.53	1435.0	531.5			

Comments/Notes:

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Isokinetic Test Support Data

Company:	Georgia Power	**Project#:**	491281
Plant:	McIntosh Plant	**Test Method(s):**	5/29
Unit ID:	CT Unit 2 - FO	**Test Run #:**	3
Location:	Exhaust	**Test Date(s):**	9/27/2022

Console Operator:	M. Lawrie	**Unit Operating Mode:**	Max		
Console ID:	E13	**Duct Shape/Area:**	Round	/ 188.69	ft^2
Meter Y:	0.9941	**F_d Factor:**		dscf/MMBtu	
Orifice $\Delta H_{@i}$:	1.739	**F_c Factor:**		scf/MMBtu	
Pitot Tube ID:	RPTi-8A	**F_w Factor:**		wscf/MMBtu	
Cal. coefficient (C_p):	0.827	**Fuel heat content:**		Btu /	
Probe Liner Material:	Quartz	**Process/fuel flow rate:**			
Nozzle Material:	Quartz	**Soot blown?**	N/A	**Fuel Type:**	
Nozzle Diameter (D_n):	0.233 in	**Duration:**	N/A min		

Sample collection time				**Tare wt.**	**Final wt:**
Total # of points:	24	**Imp #**	**Contents**	**(grams)**	**(grams)**
Target Sample time/point:	8.0 min	1	Empty	648.9	941.0
Target run duration:	192.0 min	2	HNO3/H2O2	750.3	811.4
		3	HNO3/H2O2	753.1	759.0
Barometric Pressure (P_{bar}):	29.85 in Hg	4	Empty	650.4	651.6
Stack Static Pressure (P_g):	-1.70 in H2O	5	KMnO4/H2SO4	752.7	751.7
Stack Pressure (P_s):	29.73 in Hg	6	KMnO4/H2SO4	766.9	766.1
		7	SiGel	981.4	1015.8
Leak Checks					
Pre-Test Train Leak Check:	0.001 CFM @ 14 "Hg			**Net grams (M_{H2O}):**	392.9
Pre-Test Pitot Leak Check:	Pass (Pass or Fail)				
Post-Test Train Leak Rate:	0.001 CFM @ 14 "Hg	**Gas Molecular Weight Method:**			
Post-Test Pitot Leak Check:	Pass (Pass or Fail)	Method 3A, Instrumental	**% CO_2 :**	4.40	%vol dry
Pump/Orifice Leak Check:	Pass (Pass or Fail)		**% O_2 :**	14.99	%vol dry
Filter/Thimble ID:	513261		**% Nitrogen + % CO :**	80.60	%vol dry
Tare Weight:	grams		**M_d - dry basis :**	29.30	lb/lb-mole

Description of Filter and Front Half Rinses:

Description of Impinger liquid:

General Comments:

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Isokinetic Test - Processed Traverse Data

Company: Georgia Power
Plant: McIntosh Plant
Unit: CT Unit 2 - FO
Location: Exhaust

Project #: 491281
Method(s): 5/29
Run #: 3

Test Date: 9/27/2022
K-Factor: 0.969
Minutes/pt: 8

Port & Point ID	Clock Time	Meter Volume (V_m) ft^3	ΔP ("H_2O)	Stack (Ts) °F	Dry Gas Meter Inlet (T_{min}) °F	Dry Gas Meter Outlet (T_{mout}) °F	Orifice ΔH ("H_2O)	Sample Vacuum ("Hg)
A1	6:42:00	382.233	4.40	924	70	70	4.20	8.5
A2	6:50:00	391.27	4.60	922	71	71	4.40	8.5
A3	6:58:00	400.01	3.70	920	71	71	3.60	8.0
A4	7:06:00	408.42	4.00	923	72	72	4.00	8.5
A5	7:14:00	417.25	4.10	909	73	73	4.10	9.0
A6	7:22:00	426.29	4.10	903	74	74	4.10	9.0
	7:30:00	435.155						
B1	7:30:00	435.155	4.20	912	74	74	4.20	9.0
B2	7:38:00	444.16	4.30	920	75	75	4.30	9.5
B3	7:46:00	453.38	4.50	920	75	75	4.50	9.5
B4	7:54:00	462.69	4.60	917	75	75	4.60	10.0
B5	8:02:00	472.11	4.70	913	76	76	4.70	10.5
B6	8:10:00	481.89	4.60	907	77	77	4.60	10.0
	8:18:00	491.309						
C1	8:32:00	491.309	2.40	936	76	76	2.40	6.0
C2	8:40:00	498.16	1.80	938	77	77	1.80	5.0
C3	8:48:00	504.31	1.60	937	77	77	1.60	5.0
C4	8:56:00	510.13	1.60	936	77	77	1.60	5.0
C5	9:04:00	515.83	2.20	935	78	78	2.20	6.0
C6	9:12:00	522.68	2.50	933	78	78	2.50	6.5
	9:20:00	529.595						
D1	9:26:00	529.595	2.10	923	78	78	2.10	5.5
D2	9:34:00	536.15	1.20	942	78	78	1.20	4.5
D3	9:42:00	541.51	0.89	943	78	78	0.88	4.0
D4	9:50:00	545.53	0.79	945	78	78	0.78	3.5
D5	9:58:00	549.57	0.53	946	78	78	0.52	3.0
D6	10:06:00	553.07	0.35	943	78	78	0.34	3.0
	10:14:00	555.635						
Run Times:		V_m, ft^3	Ave. ΔP	T_s, °F	T_m, °F		ΔH	Max. Vac.
Start	6:42	173.402	2.91	927.0	75.6	75.6	2.884	10.5
End	10:14		Ave. √ΔP	T_s, °R	Ave. T_m, °R			
			1.63	1386.6	535.3			
Comments/Notes:								

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Isokinetic Test Support Data

Company:	Georgia Power	**Project#:**	491281
Plant:	McIntosh Plant	**Test Method(s):**	5/29
Unit ID:	CT Unit 2 - FO	**Test Run #:**	4
Location:	Exhaust	**Test Date(s):**	9/27/2022

Console Operator:	M. Lawrie	**Unit Operating Mode:**	Max		
Console ID:	M16	**Duct Shape/Area:**	Round	/ 188.69	ft^2
Meter Y:	1.0105	**F_d Factor:**		dscf/MMBtu	
Orifice $\Delta H_{@i}$:	1.899	**F_c Factor:**		scf/MMBtu	
Pitot Tube ID:	RPTI-8B	**F_w Factor:**		wscf/MMBtu	
Cal. coefficient (C_p):	0.825	**Fuel heat content:**		Btu /	
Probe Liner Material:	Quartz	**Process/fuel flow rate:**			
Nozzle Material:	Quartz	**Soot blown?**	N/A	**Fuel Type:**	
Nozzle Diameter (D_n):	0.233 in	**Duration:**	N/A min		

Sample collection time				**Tare wt.**	**Final wt:**
Total # of points:	24	**Imp #**	**Contents**	**(grams)**	**(grams)**
Target Sample time/point:	8.0 min	1	Empty	645.3	922.0
Target run duration:	192.0 min	2	HNO3/H2O2	762.0	810.8
		3	HNO3/H2O2	766.7	774.3
Barometric Pressure (P_{bar}):	29.85 in Hg	4	Empty	690.6	691.8
Stack Static Pressure (P_g):	-1.70 in H2O	5	KMnO4/H2SO4	774.8	773.3
Stack Pressure (P_s):	29.73 in Hg	6	KMnO4/H2SO4	754.4	752.7
		7	SiGel	947.1	983.4
Leak Checks					
Pre-Test Train Leak Check:	0.001 CFM @ 14 "Hg			**Net grams (M_{H20}):**	367.4
Pre-Test Pitot Leak Check:	Pass (Pass or Fail)				
Post-Test Train Leak Rate:	0.001 CFM @ 14 "Hg	**Gas Molecular Weight Method:**			
Post-Test Pitot Leak Check:	Pass (Pass or Fail)	Method 3A, Instrumental	**% CO_2 :**	4.47	%vol dry
Pump/Orifice Leak Check:	Pass (Pass or Fail)		**% O_2 :**	15.14	%vol dry
Filter/Thimble ID:	513262		**% Nitrogen + % CO :**	80.39	%vol dry
Tare Weight:	grams		**M_d - dry basis :**	29.32	lb/lb-mole

Description of Filter and Front Half Rinses:

Description of Impinger liquid:

General Comments:

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Isokinetic Test - Processed Traverse Data

Company: Georgia Power
Plant: McIntosh Plant
Unit: CT Unit 2 - FO
Location: Exhaust

Project #: 491281
Method(s): 5/29
Run #: 4

Test Date: 9/27/2022
K-Factor: 0.969
Minutes/pt: 8

Port & Point ID	Clock Time	Meter Volume (V_m) ft^3	ΔP ("H_2O)	Stack (Ts) °F	Dry Gas Meter Inlet (T_{min}) °F	Dry Gas Meter Outlet (T_{mout}) °F	Orifice ΔH ("H_2O)	Sample Vacuum ("Hg)
A1	10:14:00	934.209	2.10	955	67	67	2.10	5.0
A2	10:22:00	940.34	1.80	955	70	70	1.80	4.5
A3	10:30:00	946.09	1.50	953	74	74	1.50	4.0
A4	10:38:00	951.41	1.50	949	76	76	1.50	4.0
A5	10:46:00	956.76	1.80	949	78	78	1.80	4.5
A6	10:54:00	962.36	2.40	946	81	81	2.40	5.0
	11:02:00	968.827						
B1	11:06:00	968.827	2.20	952	79	79	2.20	5.0
B2	11:14:00	974.97	1.20	957	81	81	1.20	3.5
B3	11:22:00	979.90	0.84	955	80	80	0.83	3.0
B4	11:30:00	983.85	0.57	955	78	78	0.56	2.5
B5	11:38:00	987.02	0.44	954	77	77	0.43	2.0
B6	11:46:00	990.01	0.35	952	78	78	0.34	2.0
	11:54:00	992.615						
C1	12:03:00	992.615	4.00	945	78	78	4.00	8.0
C2	12:11:00	1000.95	3.50	951	83	83	3.50	8.0
C3	12:19:00	1009.31	3.30	946	83	83	3.30	7.5
C4	12:27:00	1016.76	3.60	944	83	83	3.60	8.0
C5	12:35:00	1024.75	3.90	937	83	83	3.90	8.0
C6	12:43:00	1032.96	3.70	933	82	82	3.70	8.0
	12:51:00	1041.171						
D1	12:56:00	1041.171	4.70	950	78	78	4.70	9.5
D2	13:04:00	1050.03	4.70	949	79	79	4.70	9.5
D3	13:12:00	1059.13	4.80	946	82	82	4.80	10.5
D4	13:20:00	1068.48	4.90	942	83	83	4.90	10.5
D5	13:28:00	1077.72	4.90	938	83	83	4.90	10.5
D6	13:36:00	1086.96	4.20	930	82	82	4.20	9.5
	13:44:00	1095.586						
Run Times:		V_m, ft^3	Ave. ΔP	T_s, °F	T_m, °F		ΔH	Max. Vac.
Start	10:14	161.377	2.79	947.6	79.1	79.1	2.786	10.5
End	13:44		Ave. √ΔP	T_s, °R	Ave. T_m, °R			
			1.59	1407.3	538.8			
Comments/Notes:								

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Isokinetic Test Support Data

Company:	Georgia Power	**Project#:**	491281
Plant:	McIntosh Plant	**Test Method(s):**	5/29
Unit ID:	CT Unit 2 - FO	**Test Run #:**	5
Location:	Exhaust	**Test Date(s):**	9/27/2022

Console Operator:	M. Lawrie		**Unit Operating Mode:**	Max	
Console ID:	E13		**Duct Shape/Area:**	Round / 188.69	ft^2
Meter Y:	0.9941		**F_d Factor:**		dscf/MMBtu
Orifice $\Delta H_{@i}$:	1.739		**F_c Factor:**		scf/MMBtu
Pitot Tube ID:	RPTi-8A		**F_w Factor:**		wscf/MMBtu
Cal. coefficient (C_p):	0.827		**Fuel heat content:**		Btu /
Probe Liner Material:	Quartz		**Process/fuel flow rate:**		
Nozzle Material:	Quartz		**Soot blown?**	N/A	**Fuel Type:**
Nozzle Diameter (D_n):	0.233 in		**Duration:**	N/A min	

Sample collection time				**Tare wt.**	**Final wt:**
Total # of points:	24	**Imp #**	**Contents**	**(grams)**	**(grams)**
Target Sample time/point:	8.0 min	1	Empty	649.5	929.0
Target run duration:	192.0 min	2	HNO3/H2O2	752.1	790.3
		3	HNO3/H2O2	751.9	763.2
Barometric Pressure (P_{bar}):	29.85 in Hg	4	Empty	651.0	654.5
Stack Static Pressure (P_g):	-1.70 in H2O	5	KMnO4/H2SO4	764.0	762.2
Stack Pressure (P_s):	29.73 in Hg	6	KMnO4/H2SO4	753.4	754.0
		7	SiGel	982.8	1019.7
Leak Checks					
Pre-Test Train Leak Check:	0.001 CFM @ 14 "Hg			**Net grams (M_{H20}):**	368.2
Pre-Test Pitot Leak Check:	Pass (Pass or Fail)				
Post-Test Train Leak Rate:	0.001 CFM @ 16 "Hg	**Gas Molecular Weight Method:**			
Post-Test Pitot Leak Check:	Pass (Pass or Fail)	Method 3A, Instrumental	**% CO_2 :**	4.48	%vol dry
Pump/Orifice Leak Check:	Pass (Pass or Fail)		**% O_2 :**	14.72	%vol dry
Filter/Thimble ID:	513253		**% Nitrogen + % CO :**	80.80	%vol dry
Tare Weight:	grams		**M_d - dry basis :**	29.31	lb/lb-mole

Description of Filter and Front Half Rinses:

Description of Impinger liquid:

General Comments:

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Isokinetic Test - Processed Traverse Data

Company: Georgia Power
Plant: McIntosh Plant
Unit: CT Unit 2 - FO
Location: Exhaust

Project #: 491281
Method(s): 5/29
Run #: 5

Test Date: 9/27/2022
K-Factor: 0.969
Minutes/pt: 8

Port & Point ID	Clock Time	Meter Volume (V_m) ft^3	ΔP ("H_2O)	Stack (Ts) °F	Dry Gas Meter Inlet (T_{min}) °F	Dry Gas Meter Outlet (T_{mout}) °F	Orifice ΔH ("H_2O)	Sample Vacuum ("Hg)
A1	13:44:00	556.277	4.00	952	76	76	4.00	9.0
A2	13:52:00	564.92	3.90	952	76	76	3.90	9.0
A3	14:00:00	573.74	3.40	953	76	76	3.40	8.5
A4	14:08:00	581.97	3.60	941	77	77	3.60	8.5
A5	14:16:00	590.48	3.60	939	79	79	3.60	8.5
A6	14:24:00	599.01	3.60	933	79	79	3.60	8.5
	14:32:00	607.283						
B1	14:32:00	607.283	4.30	930	79	79	4.30	8.0
B2	14:40:00	616.56	4.50	953	79	79	4.50	8.5
B3	14:48:00	625.96	4.60	949	79	79	4.60	9.0
B4	14:56:00	635.54	4.60	944	79	79	4.60	9.0
B5	15:04:00	645.08	4.60	938	79	79	4.60	9.0
B6	15:12:00	654.66	4.20	930	79	79	4.20	8.0
	15:20:00	663.920						
C1	15:40:00	663.920	2.20	944	77	77	2.20	6.0
C2	15:48:00	670.28	1.70	963	77	77	1.70	5.0
C3	15:56:00	676.56	1.50	959	77	77	1.50	4.5
C4	16:04:00	682.08	1.70	957	78	78	1.70	5.0
C5	16:12:00	687.87	2.20	956	77	77	2.20	6.0
C6	16:20:00	694.52	2.40	952	77	77	2.40	6.5
	16:28:00	701.550						
D1	16:34:00	701.550	2.20	950	78	78	2.20	6.0
D2	16:42:00	708.18	1.40	960	76	76	1.40	4.5
D3	16:50:00	713.58	0.88	954	76	76	0.87	3.5
D4	16:58:00	717.87	0.58	955	76	76	0.57	2.0
D5	17:06:00	721.28	0.45	952	75	75	0.44	2.0
D6	17:14:00	724.28	0.33	946	75	75	0.32	2.0
	17:22:00	726.886						
Run Times:		V_m, ft^3	Ave. ΔP	T_s, °F	T_m, °F		ΔH	Max. Vac.
Start	13:44	170.609	2.77	948.4	77.3	77.3	2.767	9
End	17:22		Ave. √ΔP	T_s, °R	Ave. T_m, °R			
			1.59	1408.1	537.0			
Comments/Notes:								

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Raw Field Data Sheets

TRC

ISOKINETIC FIELD DATA SHEET

Method: 5 & 29

Project No. 491281.0000.0000			Date 9/14/22
Client Georgia Power			Operator Name AR
Facility McIntosh Power Plant	Stack Diameter (in.) 186		Barometer ID 14900524
Source Unit 1	Condition Max		Barometric Pressure (in. Hg) 29.90
Sampling Location Stack	Run No. NG-1		Static Pressure (in. H_2O) -1.50

Assumed Moisture (%) 8.0	Ambient Temp. (°F)	Filter No.	Probe Liner Material	Probe Setting (°F)	Probe Length (ft)	Post-Test Positive Orifice/Meter Leak Check Pass?	Nozzle ID No.
K Factor 1847		513241	Quartz	248	8	✓ Y __ N	GPQ-1

Pitot Tube Pre-test: Pass?	Pitot Post-test: Pass?	ID No.	PTCF or Cp	DGM - Meter Box Console No.	Meter No.	ΔH @	DGMCF or Y	Diameter (in.)
+ ✓ Y __ N - __ Y __ N	+ ✓ Y __ N - __ Y __ N	RPT-8A	0.827	—	M16	1.899	1.0105	0.233

	Traverse Point	Time Clock (24 hr)	Time Elapsed (min)	DGM Volume (ft^3)	Pitot ΔP (in. H_2O)	Orifice, ΔH Desired (in. H_2O)	Orifice, ΔH Actual (in. H_2O)	Temperature (°F) Stack Flue Gas	Probe	Filter Exit	Impingers Exit	DGM Meter In	DGM Meter Out		Pump Vacuum (in. Hg)
D	1	7:15	0	588.375	2.6	2.72	2.70	933	>900	250	53	72	72		6.0
		7:20	5	592.28	2.6	2.72	2.70	930		253	50	72	72		6.0
	2	7:25	10	595.86	1.8	1.88	1.90	934		258	50	74	74		6.0
		7:30	15	599.73	1.8	1.88	1.90	936		259	51	75	75		5.0
	3	7:35	20	603.56	1.5	1.57	1.60	939		250	52	77	77		5.0
		7:40	25	606.89	1.5	1.57	1.60	939		255	52	78	72		4.5
	4	7:45	30	610.63	1.4	1.46	1.50	940		259	52	79	73		4.0
		7:50	35	613.32	1.4	1.46	1.50	941		254	52	80	74		4.0
	5	7:55	40	616.53	1.2	1.25	1.30	942		261	52	81	74		4.0
		8:00	45	619.77	1.2	1.25	1.30	941		262	52	81	75		4.0
	6	8:05	50	623.04	1.3	1.36	1.40	940		253	52	81	75		4.0
		8:10	55	626.289	1.3	1.36	1.40	941		258	53	81	75		4.0
	End	8:15	60	629.288	-	-	-	-		-	-	-	-		-
A	1	8:20	60	629.788	2.2	2.30	2.30	927		243	55	78	75		5.5
		8:25	65	633.739	2.2	2.30	2.30	930		242	54	78	75		5.5
	2	8:30	70	637.72	1.2	1.25	1.30	928		245	56	79	75		4.5
		8:35	75	640.90	1.2	1.25	1.30	924		245	58	80	75		4.0
	3	8:40	80	644.01	0.87	0.91	0.91	928		264	60	80	75		3.5
		8:45	85	646.83	0.87	0.91	0.91	928		256	60	80	75		3.0
	4	8:50	90	649.42	0.68	0.71	0.71	928		250	60	80	76		3.0
		8:55	95	651.51	0.63	0.65	0.65	928		243	61	80	76		2.5
	5	9:00	100	653.00	0.53	0.55	0.55	929		250	61	80	76		2.5
		9:05	105	655.77	0.53	0.55	0.55	928		253	63	80	76		2.5
	6	9:10	110	658.11	0.37	0.38	0.38	928		250	64	80	76		2.5
		9:15	115	659.62	0.37	0.38	0.38	928		250	64	80	76		2.5
	End	9:20	120	661.114	-	-	-	-		-	-	-	-		-

Sample Train Leak Checks (e.g., pre-test, at each port change, post-test)

Port / AWFCO		Volume (ft^3) Start	Volume (ft^3) Stop	Time (sec.)	Vacuum (in Hg)	Leak Rate (cfm)
Port:	Before	—	✓	60	15	0.001
	After	—	✓	—	—	—
Port:	Before	—	✓	✓	—	✓
	After	—	✓	60	17	0.001

Comments: Start time local: 8:15

Notes: Test Location Schematic is presented separately. additional leak checks here or on a separate sheet.

Document

NA = Not Applicable

Checked By: [signature] 11/3/22 (Project Manager or QA Manager - sign and date)

TRC ISOKINETIC FIELD DATA SHEET Method: 5 & 29

Project No. 491281.0000.0000			Date 9/14/22
Client Georgia Power			Operator Name AL
Facility McIntosh Power Plant	Stack Diameter (in.) 186		Barometer ID 14900524
Source Unit 1	Condition Max		Barometric Pressure (in. Hg)
Sampling Location Stack	Run No. NG-2		Static Pressure (in. H_2O) −1.50

Assumed Moisture (%) 8.0	Ambient Temp. (°F)	Filter No.	Probe: Liner Material	Probe: Setting (°F)	Probe: Length (ft)	Post-Test Positive Orifice/Meter Leak Check Pass?	Nozzle ID No.
K Factor 1.047		513242	Quartz	248	8	___Y ___N	GPC-2

Pitot Tube: Pre-test: Pass?	Pitot Tube: Post-test: Pass?	Pitot Tube ID No.	Pitot Tube PTCF or C_p	DGM - Meter Box: Console No.	Meter No.	ΔH @	DGMCF or Y	Diameter (in.)
+ ✓Y ___N − ___Y ___N	+ ✓Y ___N − ___Y ___N	RPT#-88	0.8285	—	~~M16~~ E13	~~1.899 0.9711~~	~~1.6105~~ 1.739	0.6233

Traverse Point	Time: Clock (24 hr)	Time: Elapsed (min)	DGM Volume (ft^3)	Pitot ΔP (in. H_2O)	Orifice, ΔH: Desired (in. H_2O)	Orifice, ΔH: Actual (in. H_2O)	Temperature (°F): Stack Flue Gas	Temperature (°F): Probe	Temperature (°F): Filter Exit	Temperature (°F): Impingers Exit	Temperature (°F): DGM Meter In	Temperature (°F): DGM Meter Out		Pump Vacuum (in. Hg)
A 1	12:10	0	131.343	2.2	2.30	2.30	956	>900	253	67	80	77		16.0
—	12:15	5	135.58	2.2	2.30	2.30	960		258	62	79	78		9.0
2	12:20	10	139.96	2.13	1.36	1.40	957		252	57	77	76		5.5
—	12:25	15	143.41	1.3	1.36	1.40	957		253	57	78	78		5.5
3	12:30	20	146.84	0.85	0.88	0.88	959		251	59	76	76		2.5
—	12:35	25	149.69	0.85	0.88	0.88	960		252	59	76	76		2.5
4	12:40	30	152.29	0.63	0.65	0.65	959		250	61	77	77		~~3.0~~ 2.5
—	12:45	35	154.64	0.63	0.65	0.65	959		250	61	77	77		2.5
5	12:50	40	156.94	0.52	0.54	0.54	961		253	64	78	78		2.5
—	12:55	45	159.18	0.52	0.54	0.54	961		253	64	78	78		2.5
6	13:00	50	161.14	0.37	0.38	0.38	954		247	66	78	78		2.0
—	13:05	55	162.94	0.37	0.38	0.38	956		248	66	78	78		2.0
End	13:10	60	164.660	-	-	-	-		-	-	-	-		-
B 1	13:15	60	164.660	3.8	3.97	4.0	946		247	62	78	78		11.0
—	13:20	65	170.15	3.8	3.97	4.0	946		247	62	78	78		11.0
2	13:25	70	175.76	3.6	3.76	3.80	958		249	61	79	79		11.0
—	13:30	75	181.36	3.6	3.76	3.80	956		249	61	79	79		11.0
3	13:35	80	186.74	3.5	3.66	3.70	949		250	54	79	79		11.0
—	13:40	85	192.17	3.5	3.66	3.70	950		252	52	79	79		11.0
4	13:45	90	197.55	3.9	4.08	4.10	946		245	53	80	80		12.0
—	13:50	95	203.22	3.9	4.08	4.10	947		248	52	79	79		12.0
5	13:55	100	208.93	~~4.2~~ 4.10	~~4.38~~ 4.29	4.30	943		251	53	79	79		12.5
—	14:00	105	214.78	4.10	4.29	4.30	946		251	53	79	80		12.5
6	14:05	110	220.64	3.4	3.55	3.60	941		247	55	79	79		11.0
—	14:10	115	226.12	3.4	3.55	3.60	941		247	55	79	79		11.0
End	14:15	120	231.440	-	-	-	-		-	-	-	-		-

Sample Train Leak Checks (e.g., pre-test, at each port change, post-test)

Port / AWFCO		Volume (ft^3) Start	Volume (ft^3) Stop	Time (sec.)	Vacuum (in Hg)	Leak Rate (cfm)
Port:	Before	—	—	60	16	0.001
	After	—	—	—	—	—
Port:	Before	—	—	—	—	—
	After	—	—	60	15	0.001

Comments:
13:10 local start time
DGM E13
Y = 0.9941
ΔHe = 1.739

Notes: Test Location Schematic is presented separately. additional leak checks here or on a separate sheet.

Document

Checked By: _____ 11/3/22 (Project Manager or QA Manager - sign and date)

NA = Not Applicable

TRC ISOKINETIC FIELD DATA SHEET (Continued) Method: 5 & 29

Project No.	491281.0000.0000	Date	9/14/22
Client	Georgia Power	Operator Name	AR
Facility	McIntosh Power Plant		
Source	Unit 1	Condition	NG-2 Max
Sampling Location	Stack	Run No.	2

Traverse Point	Time: Clock (24 hr)	Time: Elapsed (min)	DGM Volume (ft^3)	Pitot ΔP (in. H_2O)	Orifice, ΔH: Desired (in. H_2O)	Orifice, ΔH: Actual (in. H_2O)	Temperature (°F): Stack Flue Gas	Probe	Filter Exit	Impingers Exit	DGM Meter In	DGM Meter Out	Pump Vacuum (in. Hg)
C 1	14:31	120	231.440	4.3	4.50	4.50	964	>900	253	66	78	78	13
—	14:36	125	237.39	4.3	4.50	4.50	964		249	63	78	78	13
2	14:41	130	243.27	4.5	4.71	4.70	967		254	62	77	77	13.5
—	14:46	135	249.28	4.5	4.71	4.70	967		253	62	77	77	13.5
3	14:51	140	255.32	4.5	4.71	4.70	971		257	64	78	78	13.5
—	14:56	145	261.51	4.5	4.71	4.70	971		257	64	78	78	13.5
4	15:01	150	267.43	4.5	4.71	4.70	971		250	65	77	77	14
—	15:06	155	273.48	4.5	4.71	4.70	971		250	65	77	77	14
5	15:11	160	279.52	4.4	4.60	4.60	970		250	64	78	78	13
—	15:16	165	285.49	4.4	4.60	4.60	970		250	65	78	78	13
6	15:21	170	291.47	3.6	3.76	3.80	964		252	66	78	78	12
⌣	15:26	175	297.07	3.6	3.76	3.80	964		252	63	78	78	12
End	15:31	180	302.562	-	-	-	-	-	-	-	-	-	-
1	15:46	180	302.562	2.1	2.19	2.20	985		268	67	78	78	6.5
—	15:51	185	307.16	2.1	2.19	2.20	991		258	61	77	77	7.0
2	15:56	190	310.96	1.8	1.89	1.90	980		255	61	77	77	6.0
—	16:01	195	314.92	1.8	1.88	1.90	980		255	61	77	77	6.0
3	16:06	200	318.83	1.5	1.57	1.60	979		251	64	76	76	5.5
—	16:11	205	322.89	1.5	1.57	1.60	980		255	64	76	76	5.5
4	16:16	210	326.17	1.3	1.36	1.40	980		258	62	77	77	5.5
—	16:21	215	329.81	1.3	1.36	1.40	979		252	64	77	77	5.0
5	16:26	220	332.73	1.3	1.36	1.40	980		256	64	77	77	5.0
—	16:31	225	335.14	1.3	1.36	1.40	979		250	65	77	77	5.0
6	16:36	230	337.07	1.1	1.15	1.20	977		255	66	78	78	4.0
⌣	16:41	235	339.46	1.1	1.15	1.20	996		255	66	78	78	4.0
End	16:46	240	340.275	-	-	-	-	-	-	-	-	-	-

Sample Train Leak Checks (e.g., pre-test, at each port change, post-test)

Port / AWFCO		Volume (ft^3) Start	Volume (ft^3) Stop	Time (sec.)	Vacuum (in Hg)	Leak Rate (cfm)
Port:	Before					
	After					
Port:	Before					
	After					
Port:	Before					
	After					

Comments:

Checked By: _____ 11/8/22 (Project Manager or QA Manager - sign and date)

NA = Not Applicable

TRC ISOKINETIC FIELD DATA SHEET Method: 5 & 29

Project No. 491281.0000.0000			Date 09/15/22
Client Georgia Power			Operator Name AP
Facility McIntosh Power Plant	Stack Diameter (in.) 186		Barometer ID 14900524
Source Unit 1	Condition Max		Barometric Pressure (in. Hg) 29.95
Sampling Location Stack	Run No. NG-3		Static Pressure (in. H_2O) -1.50

Assumed Moisture (%)	Ambient Temp. (°F)	Filter No.	Probe Liner Material	Probe Setting (°F)	Probe Length (ft)	Post-Test Positive Orifice/Meter Leak Check Pass?	Nozzle ID No.
8.0		513239	Quartz	248	8	___Y ___N	GPQ-1

K Factor	Pitot Tube Pre-test: Pass?	Pitot Post-test: Pass?	Pitot Tube ID No.	Pitot Tube Cp	DGM Console No.	DGM Meter No.	DGM ΔH @	DGM DGMCF or Y	Nozzle Diameter (in.)
1.047	+/- Y N	+/- Y N	RTP-84	0.827	E- —	E-13	1.739	0.9941	0.233

	Traverse Point	Time Clock (24 hr)	Time Elapsed (min)	DGM Volume (ft^3)	Pitot ΔP (in. H_2O)	Orifice, ΔH Desired (in. H_2O)	Orifice, ΔH Actual (in. H_2O)	Temperature (°F) Stack Flue Gas	Probe	Filter Exit	Impingers Exit	DGM Meter In	DGM Meter Out		Pump Vacuum (in. Hg)
D	1	~~6:715~~	0	342.778	2.86	2.93	2.7	923	>900	240	65	75	75		6.0
	—	7:19	4	346.31	2.6	2.73	2.7	922		240	50	73	73		6.0
	2	7:23	8	350.03	2.1	2.19	2.20	926		240	50	73	73		5.5
	—	7:27	12	353.34	2.1	2.19	2.20	927		249	50	73	73		5.5
	3	7:31	16	356.68	1.6	1.67	1.70	928		256	50	73	73		5.0
	—	7:35	20	359.66	1.6	1.67	1.70	928		256	50	73	73		5.0
	4	7:39	24	362.59	1.4	1.46	1.50	931		247	50	74	74		4.5
	—	7:43	28	365.44	1.4	1.46	1.50	931		247	50	74	74		4.5
0747	5	~~7:48~~	32	368.16	1.4	1.46	1.50	932		252	50	74	74		4.5
0751	—	~~7:53~~	36	370.93	1.4	1.46	1.50	932		252	50	74	74		4.5
0755	6	~~7:56~~	40	373.74	1.2	1.25	1.30	926		249	50	75	75		4.0
0759	—	~~8:00~~	44	376.32	1.2	1.25	1.30	926		249	50	75	75		4.0
0803	End	~~8:04~~	48	378.909	-	-	-	-	-	-	-	-	-	-	-
A	1	8:10	48	378.909	2.3	2.40	2.40	897		247	58	76	76		6.0
	—	8:14	52	382.33	2.3	2.40	2.40	~~897~~ 920		249	51	75	75		6.0
	2	8:18	56	385.81	1.3	1.36	1.40	920		248	51	77	77		4.5
	—	8:22	60	388.54	1.3	1.36	1.40	920		248	51	77	77		4.5
	3	8:26	64	391.25	0.85	0.89	0.88	922		242	53	77	77		3.0
	—	8:30	68	393.52	0.85	0.88	0.88	922		242	53	77	77		3.0
	4	8:34	72	395.52	0.59	0.61	0.61	~~910~~ 921		247	54	77	77		2.0
	—	8:38	76	397.305	0.59	0.61	0.61	924		247	54	77	77		2.0
	5	8:42	80	399.07	0.50	0.52	0.52	923		246	55	77	77		1.5
	—	8:46	84	400.73	0.50	0.52	0.52	923		246	55	77	77		1.5
	6	8:50	88	402.41	0.35	0.36	0.36	908		248	55	77	77		1.5
	—	8:54	92	403.86	0.35	0.36	0.36	908		248	55	77	77		1.5
	End	8:58	96	405.256	-	-	-	-	-	-	-	-	-	-	-

Sample Train Leak Checks (e.g., pre-test, at each port change, post-test)

Port / AWFCO		Volume (ft^3) Start	Volume (ft^3) Stop	Time (sec.)	Vacuum (in Hg)	Leak Rate (cfm)
Port: D	Before	—	—	60	15	0.001
	After	—	—	—	—	—
Port:	Before	—	—	—	—	—
	After	—	—	60	17	0.001

Comments:

Notes: Test Location Schematic is presented separately. additional leak checks here or on a separate sheet.

Document

Checked By: 11/3/22 (Project Manager or QA Manager - sign and date)

NA = Not Applicable

TRC

ISOKINETIC FIELD DATA SHEET (Continued)

Method: 5 & 29

Project No.	491281.0000.0000	Date	9/15/22
Client	Georgia Power	Operator Name	AR
Facility	McIntosh Power Plant		
Source	Unit 1	Condition	Max
Sampling Location	Stack	Run No.	NG-3

Traverse Point	Time: Clock (24 hr)	Time: Elapsed (min)	DGM Volume (ft^3)	Pitot ΔP (in. H_2O)	Orifice, ΔH: Desired (in. H_2O)	Orifice, ΔH: Actual (in. H_2O)	Temperature (°F): Stack Flue Gas	Temperature (°F): Probe	Temperature (°F): Filter Exit	Temperature (°F): Impingers Exit	Temperature (°F): DGM Meter In	Temperature (°F): DGM Meter Out		Pump Vacuum (in. Hg)
B 1	9:05	96	405.256	3.8	3.97	4.0	923	>900	256	62	77	77		9.0
–	9:09	100	409.57	3.8	3.97	4.0	923		256	60	77	77		9.0
2	9:13	104	414.06	4.0	4.18	4.2	920		250	55	77	77		10.0
–	9:17	108	418.61	4.0	4.18	4.2	920		250	55	77	77		10.0
3	9:21	112	423.29	4.0	4.18	4.2	920		247	57	77	77		10.5
–	9:25	116	427.81	4.0	4.18	4.2	920		247	57	77	77		10.5
4	9:29	120	432.35	4.5	4.71	4.70	916		245	60	77	77		11.5
–	9:33	124	437.15	4.5	4.71	4.70	916		245	60	77	77		11.5
5	9:37	128	441.95	4.6	4.81	4.80	914		248	62	77	77		12
–	9:41	132	446.82	4.6	4.81	4.80	914		248	62	77	77		12
6	9:45	136	451.79	3.6	3.76	3.80	912		247	65	77	77		9.5
–	9:49	140	456.06	3.6	3.76	3.80	912		247	65	77	77		9.5
End	9:53	140	460.050	-	-	-	-	-	-	-	-	-	-	-
C 1	10:03	144	460.050	4.3	4.50	4.50	926		252	65	76	76		10.0
–	10:07	148	464.59	4.3	4.50	4.50	926		252	65	77	77		10.0
2	10:11	152	469.42	5.2	5.4	5.4	926		252	65	77	77		13.0
–	10:15	156	474.16	5.2	5.4	5.4	926		248	59	77	77		13.0
3	10:19	160	479.12	5.2	5.4	5.4	919		248	61	76	76		14.0
–	10:23	164	484.23	5.2	5.4	5.4	919		248	61	76	76		14.0
4	10:27	168	489.31	5.0	5.23	5.20	952		250	62	76	76		13.0
–	10:31	172	494.37	5.0	5.23	5.20	952		250	62	76	76		13.0
5	10:35	176	499.34	5.0	5.23	5.20	947		245	64	76	76		13.0
–	10:39	180	504.56	5.0	5.23	5.20	947		245	64	76	76		13.0
6	10:43	184	508.43	4.0	4.18	4.20	943		247	65	76	76		11.0
–	10:47	188	512.44	4.0	4.18	4.20	943		247	65	76	76		11.0
End	10:51	192	515.310	-	-	-	-	-	-	-	-	-	-	-

Sample Train Leak Checks (e.g., pre-test, at each port change, post-test)

Port / AWFCO		Volume (ft^3) Start	Volume (ft^3) Stop	Time (sec.)	Vacuum (in Hg)	Leak Rate (cfm)
Port:	Before					
	After					
Port:	Before					
	After					
Port:	Before					
	After					

Comments:

Checked By: _____ 11/3/22 (Project Manager or QA Manager - sign and date)

NA = Not Applicable

TRC ISOKINETIC FIELD DATA SHEET Method: 5 & 29

Project No. 491281.0000.0000			Date 9/15/22
Client Georgia Power			Operator Name AF
Facility McIntosh Power Plant	Stack Diameter (in.) 186		Barometer ID 14900524
Source Unit 1	Condition Max		Barometric Pressure (in. Hg) 29.45
Sampling Location Stack	Run No. NG-4		Static Pressure (in. H_2O) -1.50

Assumed Moisture (%)	Ambient Temp. (°F)	Filter No.	Probe Liner Material	Probe Setting (°F)	Probe Length (ft)	Post-Test Positive Orifice/Meter Leak Check Pass?	Nozzle ID No.
8.0		513240	Quartz	248	8	___ Y ___ N	GPQ-2
K Factor 1.047							

Pitot Tube				DGM - Meter Box				
Pitot Pre-test: Pass?	+ ✓ Y ___ N - ✓ Y ___ N	ID No.	PTCF or Cp	Console No.	Meter No.	ΔH @	DGMCF or Y	Diameter (in.)
Pitot Post-test: Pass?	+ ✓ Y ___ N - ✓ Y ___ N	RTP-A-88	0.825		M-16	1.899	1.0105	0.233

	Time		DGM	Pitot	Orifice, ΔH		Temperature (°F)						Pump
Traverse Point	Clock (24 hr)	Elapsed (min)	Volume (ft^3)	ΔP (in. H_2O)	Desired (in. H_2O)	Actual (in. H_2O)	Stack Flue Gas	Probe	Filter Exit	Impingers Exit	DGM Meter In	DGM Meter Out		Vacuum (in. Hg)
A 1	10:53	0	776.581	2.2	2.30	2.30	954	>400	251	67	73	73		7.0
—	10:57	4	779.64	2.2	2.30	2.30	954		251	67	73	73		7.0
2	11:01	8	782.44	1.4	1.46	1.50	954		245	60	69	68		5.5
—	11:05	12	785.41	1.4	1.46	1.50	954		248	60	69	69		5.5
3	11:09	16	788.02	1.0	1.0	1.0	951		249	63	72	67		4.0
—	11:13	20	790.6	1.0	1.0	1.0	951		249	63	72	67		4.0
4	11:17	24	792.38	0.70	0.73	0.73	953		252	65	73	68		3.5
—	11:21	28	794.29	0.70	0.73	0.73	953		252	65	73	68		3.5
5	11:25	32	795.98	0.55	0.57	0.57	953		250	64	74	68		3.0
—	11:29	36	797.62	0.55	0.57	0.57	953		250	64	74	68		3.0
6	11:33	40	799.19	0.34	0.355	0.35	953		249	64	74	69		1.5
	11:37	44	800.52	0.34	0.35	0.35	953		249	64	74	69		1.5
End	11:41	48	801.812	-	-	-	-	-	-	-	-	-	-	-
B 1	11:46	48	801.812	4.0	4.18	4.20	947		245	61	74	70		12.5
—	11:50	52	805.92	4.0	4.18	4.20	947		245	61	74	70		12.5
2	11:54	56	810.16	3.6	3.76	3.80	948		252	60	75	71		12.0
—	11:58	60	814.33	3.6	3.76	3.80	948		252	60	75	71		12.0
3	12:02	64	818.41	3.5	3.66	3.70	945		252	64	78	71		12.0
—	12:06	68	822.51	3.5	3.66	3.70	945		252	64	78	71		12.0
4	12:10	72	826.59	4.0	4.18	4.20	944		249	60	79	71		12.5
—	12:14	76	830.85	4.0	4.18	4.20	944		249	60	79	71		12.5
5	12:18	80	835.14	4.2	4.39	4.40	936		248	59	80	72		14.0
—	12:22	84	839.52	4.2	4.39	4.40	936		248	58	80	72		14.0
6	12:26	88	841.69	3.5	3.66	3.70	931		250	60	80	72		12.0
—	12:30	92	847.88	3.5	3.66	3.70	931		250	60	80	72		12.0
End	12:34	96	851.894	-	-	-	-	-	-	-	-	-	-	-

Sample Train Leak Checks (e.g., pre-test, at each port change, post-test)						
Port / AWFCO		Volume (ft^3) Start	Volume (ft^3) Stop	Time (sec.)	Vacuum (in Hg)	Leak Rate (cfm)
Port:	Before	—	—	60	17	0.001
	After	—	—	—	—	—
Port:	Before	—	—	—	—	—
	After	—	—	60	18	0.001

Comments:

Notes: Test Location Schematic is presented separately. additional leak checks here or on a separate sheet.

Document

Checked By: _____ 11/3/22 (Project Manager or QA Manager - sign and date)

NA = Not Applicable

TRC ISOKINETIC FIELD DATA SHEET (Continued) Method: 5 & 29

Project No.	491281.0000.0000	Date	9/15/22
Client	Georgia Power	Operator Name	AA
Facility	McIntosh Power Plant		
Source	Unit 1	Condition	Max
Sampling Location	Stack	Run No.	NG-4

Traverse Point	Time: Clock (24 hr)	Time: Elapsed (min)	DGM Volume (ft^3)	Pitot ΔP (in. H_2O)	Orifice, ΔH: Desired (in. H_2O)	Orifice, ΔH: Actual (in. H_2O)	Temperature (°F): Stack Flue Gas	Probe	Filter Exit	Impingers Exit	DGM Meter In	DGM Meter Out		Pump Vacuum (in. Hg)
C 1	12:40	96	851.894	4.1	4.29	4.30	949	>900	256	~~260~~	76	73		13.0
—	12:44	100	856.12	4.1	4.29	4.30	949		256	60	76	73		13.0
2	12:48	104	860.44	4.4	4.60	4.60	938		250	62	77	73		15.0
—	12:52	108	864.89	4.4	4.60	4.60	938		250	62	77	73		15.0
3	12:56	112	869.42	4.4	4.60	4.60	924		254	65	77	73		15.5
—	13:00	116	873.97	4.4	4.60	4.60	924		254	65	77	73		15.5
4	13:04	120	878.51	4.50	4.70	4.70	986		251	62	77	73		15.5
—	13:08	124	883.04	4.50	4.71	4.70	966		251	62	77	73		15.5
5	13:12	128	887.73	4.3	4.50	4.50	964		245	62	77	73		15.0
—	13:16	132	892.21	4.3	4.50	4.50	964		245	62	77	73		15.0
6	13:20	136	896.64	3.6	3.76	3.80	958		231	61	77	74		14.0
	13:24	140	900.83	3.6	3.76	3.80	958		231	61	77	74		14.0
End	13:28	140	904.812	-	-	-	-	-	-	-	-	-	-	-
P 1	13:37	144	904.812	2.6	2.72	2.70	945		259	66	72	72		8.5
—	13:41	148	908.14	2.6	2.72	2.70	945		259	66	72	72		8.5
2	13:45	152	911.52	1.8	1.88	1.90	969		247	61	76	72		7.5
—	13:49	156	914.54	1.8	1.88	1.90	969		247	61	76	72		7.5
3	13:53	160	917.52	1.4	1.46	1.50	970		254	64	747	72		96.5
—	13:57	164	920.32	1.4	1.46	1.50	970		254	64	77	72		6.5
4	14:01	168	923.03	1.3	1.36	1.40	975		250	64	78	72		6.5
—	14:05	172	925.98	1.3	1.36	1.40	975		250	64	78	72		6.5
5	14:09	176	929.25	1.4	1.46	1.50	976		252	65	79	72		6.5
—	14:13	180	932.01	1.4	1.46	1.50	976		252	65	79	72		6.5
6	14:17	184	935.32	1.2	1.25	1.30	971		245	66	80	72		6.5
—	14:21	188	938.12	1.2	1.25	1.30	971		245	66	80	72		6.5
End	14:25	192	943.270	-	-	-	-	-	-	-	-	-	-	-

Sample Train Leak Checks (e.g., pre-test, at each port change, post-test)

Port / AWFCO		Volume (ft^3) Start	Volume (ft^3) Stop	Time (sec.)	Vacuum (in Hg)	Leak Rate (cfm)
Port:	Before					
	After					
Port:	Before					
	After					
Port:	Before					
	After					

Comments:

Checked By: _____ 11/3/22 (Project Manager or QA Manager - sign and date)

NA = Not Applicable

TRC ISOKINETIC FIELD DATA SHEET Method: 5 & 29

Project No. 491281.0000.0000			Date 9/15/22
Client Georgia Power			Operator Name AK
Facility McIntosh Power Plant	Stack Diameter (in.) 186		Barometer ID 14900524
Source Unit 1	Condition Max		Barometric Pressure (in. Hg) 29.95
Sampling Location Stack	Run No. N6-5		Static Pressure (in. H_2O) -1.50

Assumed Moisture (%)	Ambient Temp. (°F)	Filter No.	Probe Liner Material	Probe Setting (°F)	Probe Length (ft)	Post-Test Positive Orifice/Meter Leak Check Pass?	Nozzle ID No.
8.0		513243	Quartz	248	8	___Y ___N	GPQ-1
K Factor 1.047							

Pitot Tube				DGM - Meter Box				
	Pre-test: Pass?	Post-test: Pass?	ID No.	PTCF or Cp	Console No.	Meter No.	ΔH @	DGMCF or Y	Diameter (in.)
+	✓Y ___N	✓Y ___N	0.827	RPTIQ-811		E-13	1.739	0.9941	0.233
-	✓Y ___N	✓Y ___N							

Traverse Point	Time Clock (24 hr)	Time Elapsed (min)	DGM Volume (ft^3)	Pitot ΔP (in. H_2O)	Orifice, ΔH Desired (in. H_2O)	Orifice, ΔH Actual (in. H_2O)	Temperature (°F) Stack Flue Gas	Probe	Filter Exit	Impingers Exit	DGM Meter In	DGM Meter Out		Pump Vacuum (in. Hg)
C 1	14:29	0	515.886	4.2	4.39	4.40	949	>900	251	67	70	70		10.0
—	14:33	4	520.32	4.2	4.39	4.40	949		251	67	70	70		10.0
2	14:37	8	525.14	5.3	5.54	5.50	957		250	58	71	71		16.0
—	14:41	12	529.57	5.3	5.54	5.50	957		250	58	71	71		16.0
3	14:45	16	535.33	5.3	5.54	5.56	961		251	58	71	71		16.0
—	14:49	20	540.41	5.3	5.54	5.50	961		251	58	71	71		16.0
4	14:53	24	544.93	5.3	5.54	5.50	963		253	63	71	71		16.0
—	14:57	28	550.43	5.3	5.54	5.50	963		253	63	71	71		16.0
5	~~14:58~~:01	32	554.33	5.1	5.33	5.30	957		252	60	72	72		16.0
—	15:05	36	559.62	5.1	5.33	5.30	957		252	60	72	72		16.0
6	15:09	40	564.63	3.9	4.0	4.0	953		251	62	72	72		12.0
—	15:13	44	568.86	3.9	4.0	4.0	953		251	62	72	72		12.0
End	15:17	48	573.319	-	-	-	-		-	-	-	-	-	-
D 1	15:24	48	573.319	2.6	2.72	2.70	949		250	67	74	74		7.0
—	15:28	52	577.16	2.6	2.72	2.70	962		250	67	74	74		7.0
2	15:32	56	580.57	2.0	2.09	2.10	965		251	65	74	74		6.0
—	15:36	60	583.86	2.0	2.09	2.10	965		251	65	74	74		6.0
3	15:40	64	587.15	1.5	1.57	1.60	966		250	66	74	74		5.0
—	15:44	68	590.06	1.5	1.57	1.60	966		250	66	74	74		5.0
4	15:48	72	593.12	1.4	1.46	1.50	965		249	64	75	75		5.0
—	15:52	76	595.81	1.4	1.46	1.50	965		249	64	75	75		5.0
5	15:56	80	598.58	1.3	1.36	1.40	967		250	64	76	76		5.0
—	16:00	84	601.32	1.3	1.36	1.40	967		250	64	76	76		5.0
6	16:04	88	604.04	1.2	1.25	1.30	960		248	65	76	76		5.0
—	16:08	92	606.67	1.2	1.25	1.30	960		248	65	76	76		5.0
End	16:12	96	609.287	-	-	-	-		-	-	-	-	-	-

Sample Train Leak Checks (e.g., pre-test, at each port change, post-test)						
Port / AWFCO		Volume (ft^3) Start	Volume (ft^3) Stop	Time (sec.)	Vacuum (in Hg)	Leak Rate (cfm)
Port:	Before	—	—	60	18	0.001
	After	—	—	—	—	—
Port:	Before	—	—	—	—	—
	After	—	—	60	17	0.001

Comments:

Notes: Test Location Schematic is presented separately. additional leak checks here or on a separate sheet.

Document

Checked By: _____ 11/3/22 (Project Manager or QA Manager - sign and date)

NA = Not Applicable

TRC ISOKINETIC FIELD DATA SHEET (Continued)

Method: 5 & 29

Project No.	491281.0000.0000	Date	9/15/22
Client	Georgia Power	Operator Name	AF
Facility	McIntosh Power Plant		
Source	Unit 1	Condition	Max
Sampling Location	Stack	Run No.	NG-5

	Traverse Point	Time: Clock (24 hr)	Time: Elapsed (min)	DGM Volume (ft^3)	Pitot ΔP (in. H_2O)	Orifice, ΔH: Desired (in. H_2O)	Orifice, ΔH: Actual (in. H_2O)	Temperature (°F): Stack Flue Gas	Probe	Filter Exit	Impingers Exit	DGM Meter In	DGM Meter Out		Pump Vacuum (in. Hg)
A B	1	16:20	96	609.287	2.3	2.40	2.40	924	>900	248	65	~~83~~ 76	76		7.0
	—	16:24	100	612.78	2.3	2.40	2.40	924		252	64	76	76		7.0
	2	16:28	104	616.31	1.4	1.46	1.50	929		245	65	76	76		5.0
	—	16:32	108	619.15	1.4	1.46	1.50	929		245	65	76	76		5.0
	3	16:36	112	621.93	0.88	0.92	0.92	950		245	65	76	76		4.0
	—	16:40	116	624.19	0.88	0.92	0.92	950		245	65	76	76		4.0
	4	16:44	120	626.41	0.68	0.71	0.71	949		242	66	77	77		3.5
	—	16:48	124	628.34	0.68	0.71	0.71	949		242	66	77	77		3.5
	5	16:52	128	630.29	0.53	0.55	0.55	946		251	64	77	77		2.0
	—	16:56	132	632.04	0.53	0.55	0.55	946		251	64	77	77		2.0
	6	17:00	136	633.94	0.35	0.36	0.36	918		243	64	76	76		1.5
	—	17:04	140	635.18	0.35	0.36	0.36	918		243	64	76	76		1.5
B	End	17:08	140	636.560	-	-	-	-	-	-	-	-	-	-	-
	1	17:14	144	636.560	3.70	3.87	3.90	925		252	64	76	76		9.5
	—	17:18	148	641.29	3.70	3.87	3.90	925		252	64	76	76		9.5
	2	17:22	152	645.28	3.80	3.97	4.0	937		248	58	77	77		11.0
	—	17:26	156	649.74	3.80	3.97	4.0	937		248	58	77	77		11.0
	3	17:30	160	654.18	4.0	4.18	4.20	932		250	58	76	76		11.5
	—	17:34	164	658.73	4.0	4.18	4.20	932		250	58	76	76		11.5
	4	17:38	168	663.27	4.3	4.50	4.50	929		259	54	77	77		12.5
	—	17:42	172	667.98	4.3	4.50	4.50	929		259	54	77	77		12.5
	5	17:46	176	672.72	4.50	4.71	4.70	924		251	54	77	77		13.5
	—	17:50	180	677.52	4.50	4.71	4.70	924		251	54	77	77		13.5
	6	17:54	184	682.32	3.90	4.08	4.10	920		251	55	77	77		11.5
	—	17:58	188	686.84	3.90	4.08	4.10	920		251	55	77	77		11.5
	End	18:02	192	691.340	-	-	-	-	-	-	-	-	-	-	-

Sample Train Leak Checks (e.g., pre-test, at each port change, post-test)

Port / AWFCO		Volume (ft^3) Start	Volume (ft^3) Stop	Time (sec.)	Vacuum (in Hg)	Leak Rate (cfm)
Port:	Before					
	After					
Port:	Before					
	After					
Port:	Before					
	After					

Comments:

Checked By: _____ 11/3/22 (Project Manager or QA Manager - sign and date)

NA = Not Applicable

TRC

ISOKINETIC FIELD DATA SHEET

Method: 5 & 29

Project No.	491281.0000.0000	Date	9/16/22
Client	Georgia Power	Operator Name	AK / ML
Facility	McIntosh Power Plant	Stack Diameter (in.) 186	Barometer ID 14900524
Source	Unit 1	Condition Max	Barometric Pressure (in. Hg) 30.05
Sampling Location	Stack 513244	Run No. NG-6	Static Pressure (in. H_2O) -1.50

Assumed Moisture (%)	Ambient Temp. (°F)	Filter No.	Probe Liner Material	Probe Setting (°F)	Probe Length (ft)	Post-Test Positive Orifice/Meter Leak Check Pass?	Nozzle ID No.
8.0		~~513253~~	Quartz	248	8	___Y ___N	GPQ-2
K Factor	1.0 0.98						

Pitot Tube: Pre-test Pass?	Post-test Pass?	ID No.	PTCF or Cp	DGM-Meter Box: Console No.	Meter No.	ΔH @	DGMCF or Y	Diameter (in.)
+✓Y ___N −✓Y ___N	+✓Y ___N −✓Y ___N	PT10-8B	0.825	—	M16	1.899	1.0105	0.233

Traverse Point	Time: Clock (24 hr)	Time: Elapsed (min)	DGM Volume (ft^3)	Pitot ΔP (in. H_2O)	Orifice, ΔH: Desired (in. H_2O)	Orifice, ΔH: Actual (in. H_2O)	Temperature (°F): Stack Flue Gas	Temperature (°F): Probe	Temperature (°F): Filter Exit	Temperature (°F): Impingers Exit	Temperature (°F): DGM Meter In	Temperature (°F): DGM Meter Out		Pump Vacuum (in. Hg)
C 1	8:00	0	947.481	4.2	4.2	4.2	910	>900	249	67	70	70		8.5
—	8:05	5	952.69	4.2	4.2	4.2	910		252	67	70	70		8.5
2	8:10	10	957.09	4.3	4.3	4.3	921		256	61	75	71		9.0
—	8:15	15	963.42	4.3	4.3	4.3	921		256	61	75	71		9.0
3	8:20	20	968.85	4.4	4.4	4.4	930		230	62	77	71		9.0
—	8:25	25	974.33	4.4	4.4	4.4	930		230	62	77	71		9.0
4	8:30	30	978.01	4.5	4.5	4.5	936		247 ~~227~~	65	77	71		9.0
—	8:35	35	985.36	4.5	4.5	4.5	936		247	65	77	71		9.0
5	8:40	40	990.87	4.2	4.2	4.2	934		259	67	77	71 ~~71~~		9.0
—	8:45	45	996.25	4.2	4.2	4.2	934		259	67	77	71		9.0
6	8:50	50	1001.64	3.6	3.6	3.6	936		258	59	77	71		7.5
—	8:55	55	1006.66	3.6	3.6	3.6	936		258	59	77	71		7.5
End	9:00	60	1011.644	-	-	-	-	-	-	-	-	-	-	-
D 1	9:10	60	1011.644	3.0	2.94	2.90	928		251	60	71	70		6.5
—	9:15	65	1016.05	3.0	2.94	2.90	928		251	60	71	70		6.5
2	9:20	70	1020.64	1.9	1.86	1.9	949		255	56	74	69		4.0
—	9:25	75	1024.51	1.9	1.86	1.9	949		255	56	74	69		4.0
3	9:30	80	1028.15	1.5	1.47	1.5	953		252	58	75	69		4.5
—	9:35	85	1031.43	1.5	1.47	1.5	953		252	58	75	69		4.5
4	9:40	90	1034.70	1.3	1.27	1.3	956		254	62	75	69		4.0
—	9:45	95	1037.38	1.3	1.27	1.3	956		254	62	75	69		4.0
5	9:50	100	1040.83	1.2	1.17	1.2	958		253	66	75	69		4.0
—	9:55	105	1043.82	1.2	1.17	1.2	958		253	66	75	69		4.0
6	10:00	110	1046.89	1.2	1.17	1.2	958		252	56	75	69		4.0
—	10:05	115	1049.75	1.2	1.17	1.2	958		252	56	75	69		4.0
End	10:10	120	1052.559	-	-	-	-	-	-	-	-	-	-	-

Sample Train Leak Checks (e.g., pre-test, at each port change, post-test)

Port / AWFCO		Volume (ft^3) Start	Volume (ft^3) Stop	Time (sec.)	Vacuum (in Hg)	Leak Rate (cfm)
Port:	Before	—	—	60	17	0.001
	After	—	—	—	—	—
Port:	Before	—	—	—	—	—
	After	—	—	60	12	0.001

Comments:

Notes: Test Location Schematic is presented separately. additional leak checks here or on a separate sheet.

Document

Checked By: 11/3/22 (Project Manager or QA Manager - sign and date)

NA = Not Applicable

TRC ISOKINETIC FIELD DATA SHEET (Continued) Method: 5 & 29

Project No.	491281.0000.0000	Date	9-16-2022
Client	Georgia Power	Operator Name	AF/ML
Facility	McIntosh Power Plant		
Source	Unit 1	Condition	Max
Sampling Location	Stack	Run No.	NG-6

	Traverse Point	Time: Clock (24 hr)	Time: Elapsed (min)	DGM Volume (ft^3)	Pitot ΔP (in. H_2O)	Orifice, ΔH: Desired (in. H_2O)	Orifice, ΔH: Actual (in. H_2O)	Temperature (°F): Stack Flue Gas	Probe	Filter Exit	Impingers Exit	DGM Meter In	DGM Meter Out		Pump Vacuum (in. Hg)
A	1	11:16	120	1052.559	2.8	2.74	2.7	938	>900	248	59	72	69		4.5
	—	11:21	125	1056.88	2.8	2.74	2.7	938		248	59	72	69		4.5
	2	11:26	130	1061.22	1.9	1.86	1.9	944		243	55	76	69		2.0
	—	11:31	135	1064.19	1.9	1.86	1.9	944		243	55	76	69		2.0
	3	11:36	140	1067.65	0.91	0.89	0.9	947		246	56	75	69		1.5
	—	11:41	145	1070.24	0.91	0.89	0.9	947		246	56	75	69		1.5
	4	11:46	150	1072.83	0.65	0.637	0.64	946		247	58	74	69		1.0
	—	11:51	155	1075.03	0.65	0.637	0.64	946		247	58	74	69		1.0
	5	11:56	160	1077.21	0.5	0.49	0.49	948		245	60	73	69		1.0
	—	12:01	165	1079.12	0.5	0.49	0.49	948		245	60	73	69		1.0
	6	12:06	170	1081.03	0.39	0.38	0.38	946		243	62	72	69		1.0
	—	12:11	175	1082.71	0.39	0.38	0.38	946		243	62	72	69		1.0
	End	12:16	180	1084.354	-	-	-	-	-	-	-	-	-	-	-
B	1	11:24	180	1084.354	3.6	3.52	3.50	943		255	63	70	69		8.5
	—	11:29	185	1089.26	3.6	3.25	3.50	943		255	63	70	69		8.5
	2	11:34	190	1094.16	3.6	3.25	3.50	942		261	65	75	69		8.5
	—	11:39	195	1099.04	3.6	3.52	3.50	942		261	65	75	69		8.5
	3	11:44	200	1103.92	3.5	3.43	3.40	948		258	64	76	70		8.0
	—	11:49	205	1108.80	3.5	3.43	3.40	948		258	64	76	70		8.0
	4	11:54	210	1113.82	3.7	3.62	3.60	934		257	59	78	70		8.5
	—	11:59	215	1118.79	3.7	3.62	3.60	934		257	59	78	70		8.5
	5	12:04	220	1124.06	4.0	3.92	3.90	930		247	59	79	70		9.0
	—	12:09	225	1128.72	4.0	3.92	3.90	930		247	59	79	70		9.0
	6	12:14	230	1134.03	3.40	3.433	3.30	934		253	60	79	71		8.0
	—	12:19	235	1138.68	3.40	3.33	3.30	934		253	60	79	71		8.0
	End	12:24	240	1143.525	-	-	-	-	-	-	-	-	-	-	-

Sample Train Leak Checks (e.g., pre-test, at each port change, post-test)

Port / AWFCO		Volume (ft^3) Start	Volume (ft^3) Stop	Time (sec.)	Vacuum (in Hg)	Leak Rate (cfm)
Port:	Before					
	After					
Port:	Before					
	After					
Port:	Before					
	After					

Comments:

Checked By: _____ 11/3/22 (Project Manager or QA Manager - sign and date)

NA = Not Applicable

TRC

ISOKINETIC FIELD DATA SHEET

Method: 5 & 29

Project No. 491281.0000.0000			Date 9/16/22
Client Georgia Power			Operator Name AF
Facility McIntosh Power Plant	Stack Diameter (in.) 186		Barometer ID 14900524
Source Unit 1	Condition Max		Barometric Pressure (in. Hg) 30.05
Sampling Location Stack	Run No. NG-7		Static Pressure (in. H_2O) -1.50

Assumed Moisture (%)	Ambient Temp. (°F)	Filter No.	Probe Liner Material	Probe Setting (°F)	Probe Length (ft)	Post-Test Positive Orifice/Meter Leak Check Pass?	Nozzle ID No.
8.0		513233	Quartz	248	8	___Y ___N	GPQ-1
K Factor 0.98							

Pitot Tube: Pre-test Pass?	Post-test Pass?	ID No.	PTCF or Cp	DGM - Meter Box: Console No.	Meter No.	ΔH @	DGMCF or Y	Diameter (in.)
+ ✓ Y ___N − ✓ Y ___N	+ ✓ Y ___N − ✓ Y ___N	PT10-8A	0.827	—	E-13	1.739	0.9941	0.233

	Time			Pitot	Orifice, ΔH		Temperature (°F)						
Traverse Point	Clock (24 hr)	Elapsed (min)	DGM Volume (ft^3)	ΔP (in. H_2O)	Desired (in. H_2O)	Actual (in. H_2O)	Stack Flue Gas	Probe	Filter Exit	Impingers Exit	DGM Meter In	DGM Meter Out	Pump Vacuum (in. Hg)
C 1	12:30	0	691.951	4.3	4.21	4.20	949	3900	238	67	69	69	8.5
—	12:34	4	696.53	4.3	4.21	4.20	949		238	67	69	69	8.5
2	12:38	8	700.94	4.5	4.41	4.40	955		253	62	69	69	9.0
—	12:42	12	705.82	4.5	4.41	4.40	955		253	62	69	69	9.0
3	12:46	16	710.08	4.7	4.60	4.60	959		249	63	71	71	11.0
—	12:50	20	714.82	4.7	4.60	4.60	959		249	63	71	71	11.0
4	12:54	24	719.57	4.7	4.60	4.60	961		246	64	72	72	11.0
—	12:58	28	724.32	4.7	4.60	4.60	961		246	64	72	72	11.0
5	13:02	32	729.05	4.5	4.41	4.40	962		252	67	74	74	10.5
—	13:06	36	733.73	4.5	4.41	4.40	962		252	67	74	74	10.5
6	13:10	40	738.46	3.8	3.72	3.70	957		255	66	75	75	9.0
—	13:14	44	742.86	3.80	3.72	3.70	957		255	66	75	75	9.0
End	13:18	48	747.055	-	-	-	-	-	-	-	-	-	-
D 1	13:26	48	747.055	2.5	2.45	2.5	961		251	65	77	77	6.0
	13:30	52	750.55	2.5	2.45	2.5	961		251	65	77	77	6.0
2	13:34	56	754.17	1.9	1.86	1.9	964		252	66	77	77	5.0
	13:38	60	757.27	1.9	1.86	1.9	964		252	66	77	77	5.0
3	13:42	64	760.33	1.5	1.47	1.5	970		250	67	77	77	5.0
	13:46	68	763.18	1.5	1.47	1.5	970		250	67	77	77	5.0
4	13:50	72	766.13	1.4	1.38	1.4	971		249	66	78	78	5.0
	13:54	76	768.69	1.4	1.38	1.4	971		249	66	78	78	5.0
5	13:58	80	771.39	1.4	1.37	1.4	974		249	66	78	78	5.0
	14:02	84	774.06	1.4	1.37	1.4	974		249	66	78	78	5.0
6	14:06	88	776.75	1.1	1.06	1.1	965		250	65	79	79	4.0
	14:10	92	779.41	1.1	1.06	1.1	965		250	65	79	79	4.0
End	14:14	96	781.683	-	-	-	-	-	-	-	-	-	-

Sample Train Leak Checks (e.g., pre-test, at each port change, post-test)

Port / AWFCO		Volume (ft^3) Start	Volume (ft^3) Stop	Time (sec.)	Vacuum (in Hg)	Leak Rate (cfm)
Port:	Before	—		60	15	0.001
	After	—	—	-	—	—
Port:	Before	—		—	—	—
	After	—	—	60	13	0.001

Comments:

Notes: Test Location Schematic is presented separately. additional leak checks here or on a separate sheet.

Document

Checked By: _____ 11/3/22 (Project Manager or QA Manager - sign and date)

NA = Not Applicable

TRC ISOKINETIC FIELD DATA SHEET (Continued) Method: 5 & 29

Project No.	491281.0000.0000	Date	9/16
Client	Georgia Power	Operator Name	AF
Facility	McIntosh Power Plant		
Source	Unit 1	Condition	Max
Sampling Location	Stack	Run No.	NG-7

	Time		DGM	Pitot	Orifice, ΔH		Temperature (°F)							Pump
Traverse Point	Clock (24 hr)	Elapsed (min)	Volume (ft^3)	ΔP (in. H_2O)	Desired (in. H_2O)	Actual (in. H_2O)	Stack Flue Gas	Probe	Filter Exit	Impingers Exit	DGM Meter In	DGM Meter Out		Vacuum (in. Hg)
A 1	14:22	96	781.63	2.5	2.45	2.5	953	>900	250	66	77	77		7.0
	14:26	100	785.16	2.5	2.45	2.5	953		250	66	77	77		7.0
2	14:30	104	788.54	1.5	1.47	1.5	953		247	63	77	77		5.0
	14:34	108	791.58	1.5	1.47	1.5	953		247	63	77	77		5.0
3	14:38	112	794.17	0.86	0.842	0.84	952		248	66	77	77		3.5
	14:42	116	796.34	0.86	0.842	0.84	952		248	66	77	77		3.5
4	14:46	120	~~798.44~~	~~0.78~~	~~0.769~~	0.69	952		249	65	77	77		3.0
	14:50	124	800.42	0.70	0.69	0.69	952		249	65	77	77		3.0
5	14:54	128	802.30	0.55	.54	0.54	951		243	66	77	77		2.0
	14:58	132	804.00	0.55	0.54	0.54	951		243	66	77	77		2.0
6	15:02	136	805.68	0.40	0.39	0.39	946		246	65	77	77		1.5
	15:06	140	807.12	0.40	0.39	0.39	946		246	65	77	77		1.5
End	15:10	140	808.594	-	-	-	-	-	-	-	-	-	-	-
B 1	15:19	144	808.594	4.1	4.02	4.0	944		246	64	77	77		9.5
	15:23	148	812.75	4.1	4.02	4.0	944		246	64	77	77		9.5
2	15:27	152	817.20	4.3	4.21	4.2	943		242	62	77	77		10.5
	15:31	156	821.70	4.3	4.21	4.2	943		242	62	77	77		10.5
3	15:35	160	826.32	4.2	4.12	4.1	936		249	62	76	76		10.5
	15:39	164	830.82	4.2	4.12	4.1	936		249	62	76	76		10.5
4	15:43	168	835.31	4.2	4.12	4.1	934		249	64	77	77		11.0
	15:47	172	839.82	4.2	4.12	4.1	934		249	64	77	77		11.0
5	15:51	176	844.33	4.2	4.12	4.1	932		250	63	77	77		11.0
	15:55	180	848.84	4.2	4.12	4.1	932		250	63	77	77		11.0
6	15:59	184	853.42	3.5	3.43	3.4	928		257	65	77	77		9.5
	16:03	188	857.66	3.5	3.43	3.4	928		252	65	77	77		9.5
End	16:07	192	861.925	-	-	-	-	-	-	-	-	-	-	-

Sample Train Leak Checks (e.g., pre-test, at each port change, post-test)

Port / AWFCO		Volume (ft^3) Start	Volume (ft^3) Stop	Time (sec.)	Vacuum (in Hg)	Leak Rate (cfm)
Port:	Before					
	After					
Port:	Before					
	After					
Port:	Before					
	After					

Comments:

Checked By: [signature] 11/3/22 (Project Manager or QA Manager - sign and date)

NA = Not Applicable

SAMPLING TRAIN SET UP AND RECOVERY

Project No.	491281.0000.0000	Reagent Type	Acetone	0.1 HNO_3	HNO_3/H_2O_2	8N HCl	10% H_2SO_4	$KMnO_4$
Client	Georgia Power	Lot No.	040622A	RLB-010-B/B/C	RLB-031-B/C	090722-B	09722-A	H479322720129
Facility	McIntosh Power Plant							
Source	UNIT #1							
Condition	MAX - NATURAL GAS							

Daily Field Balance Calibration Verification Check:

Documention found in Logbook: [ ]

Documentation found on field balance check data sheet from AM-EMT-52: X

Run No. 1

Train Type: 5 / 29

Sample ID: UNIT 1 - GAS - 5/29 - R1

FRONT HALF

Filter No.: 513241

Thimble No. (NA, unless noted): —

IMPINGERS

Impinger No.	#1	#2	#3	#4	#5	#6
Reagent	Empty	5% HNO_3 / 10% H_2O_2		Empty	4% $KMnO_4$ / 10% H_2SO_4	
Vol. Added (ml)	---	100	100	— 100 9/14/22	100	100
Final Weight (g)	927.0	935.8	829.6	~~639~~ 693.4	768.7	750.9
Initial Weight (g)	643.9	760.0	763.9	688.5	771.8	750.9
Net Collected (g)	283.1	175.8	65.7	4.9	-3.1	0.0

Setup	
Date	Person
9/13/22*	WM

Recovery	
Date	Person
9/14/22	WM

Silica Gel Imp. No.	#7
Final Weight (g)	999.7
Initial Weight (g)	958.9
Net Collected (g)	40.8

TOTAL MOISTURE (Impingers and Silica gel) (g): 567.2

Run No. 2

Train Type: 5 / 29

Sample ID: UNIT 1 - GAS - 5/29 - R2

FRONT HALF

Filter No.: 513242

Thimble No. (NA, unless noted): —

IMPINGERS

Impinger No.	#1	#2	#3	#4	#5	#6
Reagent	Empty	5% HNO_3 / 10% H_2O_2		Empty	4% $KMnO_4$ / 10% H_2SO_4	
Vol. Added (ml)	---	100	100	---	100	100
Final Weight (g)	920.9	931.2	817.7	640.3	762.4	755.3
Initial Weight (g)	647.7	747.3	751.6	636.2	764.4	756.0
Net Collected (g)	273.2	183.9	66.1	4.1	-2.0	-0.7

Setup	
Date	Person
9/14/22	WM

Recovery	
Date	Person
9/14/22	WM

Silica Gel Imp. No.	#7
Final Weight (g)	974.8
Initial Weight (g)	937.7
Net Collected (g)	37.1

TOTAL MOISTURE (Impingers and Silica gel) (g): WM 9/14/22 ~~567~~ 561.7

Run No. 3

Train Type: 5 / 29

Sample ID: UNIT 1 - GAS - 5/29 - R3

FRONT HALF

Filter No.: 513239

Thimble No. (NA, unless noted): —

IMPINGERS

Impinger No.	#1	#2	#3	#4	#5	#6
Reagent	Empty	5% HNO_3 / 10% H_2O_2		Empty	4% $KMnO_4$ / 10% H_2SO_4	
Vol. Added (ml)	---	100	100	---	100	100
Final Weight (g)	956.0	899.4	772.6	692.9	771.3	754.1
Initial Weight (g)	647.4	762.4	765.8	691.0	773.0	753.6
Net Collected (g)	308.6	132.0	6.8	1.9	-1.7	0.5

Setup	
Date	Person
9/14/22*	WM

Recovery	
Date	Person
9/15/22	WM

Silica Gel Imp. No.	#7
Final Weight (g)	1028.9
Initial Weight (g)	991.3
Net Collected (g)	37.6

TOTAL MOISTURE (Impingers and Silica gel) (g): 485.7

* Except for 4% $KMnO_4$ / 10% H_2SO_4 Prepared Daily.

NA = Not Applicable

Checked By: _____ 11/3/22 (Sign and date)

SAMPLING TRAIN SET UP AND RECOVERY

Page of

Project No.	491281.0000.0000	Reagent Type	See Page 1
Client	Georgia Power	Lot No.	
Facility	McIntosh Power Plant		
Source	UNIT 1		
Condition	MAX - Natural Gas		

Daily Field Balance Calibration Verification Check:

Documention found in Logbook: [ ]

Documentation found on field balance check data sheet from AM-EMT-52: [X]

Run No. 4

Train Type: 5 / 29

Sample ID: UNIT 1 - GAS - 5/29 - R4

FRONT HALF

Filter No. 513240

Thimble No. (NA, unless noted) —

IMPINGERS

Impinger No.	#1	#2	#3	#4	#5	#6
Reagent	Empty	5% HNO_3 / 10% H_2O_2		Empty	4% $KMnO_4$ / 10% H_2SO_4	
Vol. Added (ml)	---	100	100	---	100	100
Final Weight (g)	939.9	892.4	758.4	640.5	759.3	753.0
Initial Weight (g)	650.1	747.3	752.7	637.8	764.3	751.0
Net Collected (g)	289.8	145.1	5.7	2.7	-5.0	2.0

Setup	
Date	Person
9/15/22	WM

Recovery	
Date	Person
9/15/22	WM

Silica Gel Imp. No.	#7
Final Weight (g)	980.4
Initial Weight (g)	942.8
Net Collected (g)	37.6

TOTAL MOISTURE (Impingers and Silica gel) (g): 477.9

Run No. 5

Train Type: 5 / 29

Sample ID: UNIT 1 - GAS - 5/29 - R5

FRONT HALF

Filter No. 513247

Thimble No. (NA, unless noted) —

IMPINGERS

Impinger No.	#1	#2	#3	#4	#5	#6
Reagent	Empty	5% HNO_3 / 10% H_2O_2		Empty	4% $KMnO_4$ / 10% H_2SO_4	
Vol. Added (ml)	---	100	100	---	100	100
Final Weight (g)	943.3	916.3	775.5	693.4	774.9	759.1
Initial Weight (g)	647.7	763.0	765.4	690.7	774.8	755.5
Net Collected (g)	295.6	153.3	10.1	2.7	0.1	3.6

Setup	
Date	Person
9/15/22	WM

Recovery	
Date	Person
9/15/22	WM

Silica Gel Imp. No.	#7
Final Weight (g)	1027.0
Initial Weight (g)	~~647.7~~ 989.5 WM 9/15/22
Net Collected (g)	37.5

TOTAL MOISTURE (Impingers and Silica gel) (g): 502.9

Run No. 6

Train Type: 5 / 29

Sample ID: UNIT 1 - GAS - 5/29 - R6

FRONT HALF

Filter No. 513244

Thimble No. (NA, unless noted) —

IMPINGERS

Impinger No.	#1	#2	#3	#4	#5	#6
Reagent	Empty	5% HNO_3 / 10% H_2O_2		Empty	4% $KMnO_4$ / 10% H_2SO_4	
Vol. Added (ml)	---	100	100	---	100	100
Final Weight (g)	950.4	902.5	774.5	691.0	772.9	757.1
Initial Weight (g)	645.4	762.9	765.1	689.8	775.7	755.8
Net Collected (g)	305.0	139.6	9.4	1.2	-2.8	1.3

Setup	
Date	Person
9/15/22*	WM

Recovery	
Date	Person
9/16/22	WM

Silica Gel Imp. No.	#7
Final Weight (g)	988.4
Initial Weight (g)	947.1
Net Collected (g)	41.3

TOTAL MOISTURE (Impingers and Silica gel) (g): 495.0

Checked By: [signature] 11/3/22 (sign and date)

NA = Not Applicable

SAMPLING TRAIN SET UP AND RECOVERY

Project No.	491281.0000.0000	Reagent Type	See Page 1
Client	Georgia Power	Lot No.	
Facility	McIntosh Power Plant		
Source	UNIT 1		
Condition	MAX - NATURAL GAS		

Daily Field Balance Calibration Verification Check:

Documention found in Logbook: [ ]

Documentation found on field balance check data sheet from AM-EMT-52: [X]

Run No. 7

Train Type: 5 / 29

Sample ID: UNIT 1 - GAS - 5/29 - R7

FRONT HALF

Filter No. 513233

Thimble No. (NA, unless noted) —

IMPINGERS

Impinger No.	#1	#2	#3	#4	#5	#6
Reagent	Empty	5% HNO_3 / 10% H_2O_2		Empty	4% $KMnO_4$ / 10% H_2SO_4	
Vol. Added (ml)	---	100	100	---	100	100
Final Weight (g)	941.8	862.0	758.7	651.1	762.8	755.5
Initial Weight (g)	646.6	747.8	750.4	648.5	766.5	753.6
Net Collected (g)	295.2	114.2	8.3	2.6	-3.7	1.9

Setup	
Date	Person
9/16/22	WM

Recovery	
Date	Person
9/16/22	WM

Silica Gel Imp. No.	#7
Final Weight (g)	1027.5
Initial Weight (g)	992.7
Net Collected (g)	34.8

TOTAL MOISTURE (Impingers and Silica gel) (g): 453.3

Run No. —

Train Type: 5 / 29

Sample ID: —

FRONT HALF

Filter No.

Thimble No. (NA, unless noted)

IMPINGERS

Impinger No.	#1	#2	#3	#4	#5	#6
Reagent	Empty	5% HNO_3 / 10% H_2O_2		Empty	4% $KMnO_4$ / 10% H_2SO_4	
Vol. Added (ml)	---	100	100	---	100	100
Final Weight (g)						
Initial Weight (g)						
Net Collected (g)						

Setup	
Date	Person
—	—

Recovery	
Date	Person
—	—

Silica Gel Imp. No.	#7
Final Weight (g)	
Initial Weight (g)	
Net Collected (g)	

TOTAL MOISTURE (Impingers and Silica gel) (g):

Run No. —

Train Type: 5 / 29

Sample ID: —

FRONT HALF

Filter No.

Thimble No. (NA, unless noted)

IMPINGERS

Impinger No.	#1	#2	#3	#4	#5	#6
Reagent	Empty	5% HNO_3 / 10% H_2O_2		Empty	4% $KMnO_4$ / 10% H_2SO_4	
Vol. Added (ml)	---	100	100	---	100	100
Final Weight (g)						
Initial Weight (g)						
Net Collected (g)						

Setup	
Date	Person
—	—

Recovery	
Date	Person
—	—

Silica Gel Imp. No.	#7
Final Weight (g)	
Initial Weight (g)	
Net Collected (g)	

TOTAL MOISTURE (Impingers and Silica gel) (g):

Checked By: [signature] 11/3/22 (sign and date)

NA = Not Applicable

TRC ISOKINETIC FIELD DATA SHEET Method: 5 & 29

Project No. 491281.0000.0000			Date 9/17/22
Client Georgia Power			Operator Name AK
Facility McIntosh Power Plant	Stack Diameter (in.) 186		Barometer ID 14900524
Source unit 1	Condition Max		Barometric Pressure (in. Hg) 30.05
Sampling Location Stack	Run No. 01-1		Static Pressure (in. H_2O) -1.7

Assumed Moisture (%) 8.0	Ambient Temp. (°F)	Filter No.	Probe Liner Material	Probe Setting (°F)	Probe Length (ft)	Post-Test Positive Orifice/Meter Leak Check Pass?	Nozzle ID No.
K Factor .963		517234	Quartz	248	8	___Y ___N	SPQ-1/2

Pitot Tube Pre-test: Pass?	Pitot Post-test: Pass?	ID No.	PTCF or Cp	DGM - Meter Box Console No.	Meter No.	ΔH @	DGMCF or Y	Diameter (in.)
+ √ Y ___N - √ Y ___N	+ √ Y ___N - √ Y ___N	PTI-8 3/4	0.8257	—	M16	1.899	1.0105	0.233

Traverse Point	Time Clock (24 hr)	Time Elapsed (min)	DGM Volume (ft^3)	Pitot ΔP (in. H_2O)	Orifice, ΔH Desired (in. H_2O)	Orifice, ΔH Actual (in. H_2O)	Temperature (°F) Stack Flue Gas	Probe	Filter Exit	Impingers Exit	DGM Meter In	DGM Meter Out		Pump Vacuum (in. Hg)
C 1	8:37	0	144.262	4.3	4.14	4.1	946	>900	248	67	69	69		10.0
	8:41	4	148.21	4.3	4.14	4.1	946	>900	248	67	69	69		10.0
2	8:45	8	152.29	4.6	4.43	4.4	954		258	60	69	68		11.5
	8:49	12	156.64	4.6	4.43	4.4	954		258	60	69	68		11.5
3	8:53	16	160.98	4.9	4.72	4.7	960		256	59	72	68		13.5
	8:57	20	165.43	4.9	4.72	4.7	960		256	59	72	68		13.5
4	9:01	24	169.93	4.9	4.72	4.7	962		256	60	73	68		13.5
	9:05	28	174.43	4.9	4.72	4.7	962		256	60	73	68		13.5
5	9:09	32	178.89	4.7	4.53	4.5	963		252	61	74	68		13.0
	9:13	36	183.37	4.7	4.53	4.5	963		252	61	74	68		13.0
6	9:17	40	187.79	4.2 3.7	4.04 3.56	4.0 3.6	961		251	63	75	69		10.0
	9:21	44	191.77	3.7	3.56	3.6	961		251	63	75	69		10.0
End	9:25	48	195.677	-	-	-	-		-	-	-	-		-
D 1	9:31	48	195.677	2.6	2.50	2.5	970		248	63	72	69		7.0
	9:35	52	198.78	2.6	2.50	2.5	970		248	63	72	69		7.0
2	9:39	56	202.10	2.1	2.02	2.0	974		257	60	74	69		6.5
	9:43	60	205.14	2.1	2.02	2.0	974		257	60	74	69		6.5
3	9:47	64	208.10	1.7	1.64	1.6	976		259	64	76	69		5.5
	9:51	68	210.78	1.7	1.64	1.6	976		259	64	76	69		5.5
4	9:55	72	213.44	1.5	1.44	1.4	977		259	65	75	69		5.0
	9:59	76	215.96	1.5	1.44	1.4	977		259	65	75	69		5.0
5	10:03	80	218.44	1.5	1.44	1.4	979		258	66	75	69		5.0
	10:07	84	220.91	1.5	1.44	1.4	979		258	66	75	69		5.0
6	10:11	88	223.42	1.4	1.34	1.3	977		248	64	76	69		4.5
	10:15	92	225.80	1.4	1.34	1.3	977		248	64	76	69		4.5
End	10:19	96	227.976	-	-	-	-		-	-	-	-		-

Sample Train Leak Checks (e.g., pre-test, at each port change, post-test)

Port / AWFCO		Volume (ft^3) Start	Volume (ft^3) Stop	Time (sec.)	Vacuum (in Hg)	Leak Rate (cfm)
Port:	Before	—	—	60	16	0.001
	After	—	—	—	—	—
Port:	Before	—	—	—	—	—
	After	—	—	60	15	0.001

Comments:

Notes: Test Location Schematic is presented separately. additional leak checks here or on a separate sheet. Document

Checked By: [signature] 11/3/22 (Project Manager or QA Manager - sign and date)

NA = Not Applicable

TRC ISOKINETIC FIELD DATA SHEET (Continued) Method: 5 & 29

Project No.	491281.0000.0000	Date	9/17/22
Client	Georgia Power	Operator Name	SRM
Facility	McIntosh Power Plant		
Source	Unit 1	Condition	Max
Sampling Location	Stack	Run No.	Oil - 1

Traverse Point	Time: Clock (24 hr)	Time: Elapsed (min)	DGM Volume (ft^3)	Pitot ΔP (in. H_2O)	Orifice, ΔH: Desired (in. H_2O)	Orifice, ΔH: Actual (in. H_2O)	Temperature (°F): Stack Flue Gas	Probe	Filter Exit	Impingers Exit	DGM Meter In	DGM Meter Out	Pump Vacuum (in. Hg)
A 1	10:24	96	227.976	2.8	2.70	2.7	964	>900	248	65	73	70	8.0 ~~13.0~~
	10:28	100	231.63	2.8	2.70	2.7	964		248	65	73	70	8.0 ~~13.0~~
2	10:32	104	234.68	1.5	1.44	1.4	965		247	60	75	70	5.0
	10:36	108	237.18	1.5	1.44	1.4	965		247	60	75	70	5.0
3	10:40	112	239.66	.97	.93	.93	966		252	64	75	70	4.0
	10:44	116	241.73	.97	.93	.93	966		252	64	75	70	4.0
4	10:48	120	243.77	.69	.66	.66	966		254	65	74	70	3.5
	10:52	124	245.53	.69	.66	.66	966		254	65	74	70	3.5
5	10:56	128	247.27	.55	.53	.53	967		247	67	73	70	3.0
	11:00	132	248.86	.55	.53	.53	967		247	67	73	70	3.0
6	11:04	136	250.47	.42	.40	.40	965		258	67	72	70	2.5
	11:08	140	251.82	.42	.40	.40	965		258	67	72	70	2.5
End	11:12	~~140~~ 144	253.119	-	-	-	-	-	-	-	-	-	-
1	11:19	144	253.119	4.0	3.85	3.9	965		255	65	72	70	11.5
	11:23	148	257.05	4.0	3.85	3.9	965		255	65	72	70	11.5
2	11:27	152	261.18	3.9	3.76	3.8	963		255	62	75	70	~~11~~ 11.5
	11:31	156	265.27	3.9	3.76	3.8	963		255	62	75	70	11.5
3	11:35	160	269.33	3.9	3.76	3.8	959		256	64	77	70	11.5
	11:39	164	273.39	3.9	3.76	3.8	959		256	64	77	70	11.5
4	11:43	168	277.52	4.1	3.94	3.9	954		260	63	77	70	12.0
	11:47	172	281.53	4.1	3.94	3.9	954		260	63	77	70	12.0
5	11:51	176	285.65	4.3	4.14	4.1	950		253	64	77	70	12.5
	11:55	180	289.78	4.3	4.14	4.1	950		253	64	77	70	12.5
6	11:59	184	294.03	3.6	3.47	3.5	950		254	65	77	70	11.0
	12:03	188	298.29	3.6	3.47	3.5	950		254	65	77	70	11.0
End	12:07	192	301.831	-	-	-	-	-	-	-	-	-	-

Sample Train Leak Checks (e.g., pre-test, at each port change, post-test)

Port / AWFCO		Volume (ft^3) Start	Volume (ft^3) Stop	Time (sec.)	Vacuum (in Hg)	Leak Rate (cfm)
Port:	Before					
	After					
Port:	Before					
	After					
Port:	Before					
	After					

Comments:

Checked By: _____ 11/3/22 (Project Manager or QA Manager - sign and date)

NA = Not Applicable

TRC ISOKINETIC FIELD DATA SHEET Method: 5 & 29

Project No. 491281.0000.0000			Date 9/17/22
Client Georgia Power			Operator Name AR / ML
Facility McIntosh Power Plant	Stack Diameter (in.) 186		Barometer ID 14900524
Source Unit-1	Condition Max		Barometric Pressure (in. Hg) 30.05
Sampling Location Stack	Run No. 01-2		Static Pressure ($in. H_2O$) -1.70

Assumed Moisture (%) 8.0	Ambient Temp. (°F)	Filter No.	Probe Liner Material	Probe Setting (°F)	Probe Length (ft)	Post-Test Positive Orifice/Meter Leak Check Pass?	Nozzle ID No.
K Factor 0.963		513235	Quartz	248	8	X Y __N	99Q-3

Pitot Tube				DGM - Meter Box				
Pitot Pre-test: Pass?	+ X Y __N / - X Y __N	ID No.	PTCF or Cp	Console No.	Meter No.	ΔH @	DGMCF or Y	Diameter (in.)
Pitot Post-test: Pass?	+ X Y __N / - X Y __N	PTi-8B	0.825	—	E-13	1.739	0.9941	0.233

Traverse Point	Time: Clock (24 hr)	Time: Elapsed (min)	DGM Volume (ft^3)	Pitot ΔP ($in. H_2O$)	Orifice, ΔH: Desired ($in. H_2O$)	Orifice, ΔH: Actual ($in. H_2O$)	Temperature (°F): Stack Flue Gas	Temperature (°F): Probe	Temperature (°F): Filter Exit	Temperature (°F): Impingers Exit	Temperature (°F): DGM Meter In	Temperature (°F): DGM Meter Out	Pump Vacuum (in. Hg)
1	12:23	0	870.635	4.3	4.14	4.10	955	>900	248	67	769	71	8.5
	12:27	4	875.36	4.3	4.14	4.10	962		247	67	71	71	8.5
2	12:31	8	879.64	4.5	4.33	4.30	965		259	66	71	71	9.0
	12:35	12	883.95	4.5	4.33	4.30	965		259	66	71	71	9.0
3	12:39	16	888.63	4.6	4.42	4.40	974		261	61	72	72	10.0
	12:43	20	893.13	4.6	4.42	4.4	974		261	61	72	72	10.0
4	12:47	24	897.74	4.6	4.42	4.4	975		258	58	74	74	10.0
	12:51	28	902.33	4.6	4.42	4.4	975		258	58	74	74	10.0
5	12:55	32	906.94	4.5	4.33	4.30	971		258	57	74	74	10.0
	12:59	36	911.52	4.5	4.33	4.30	971		258	57	74	74	10.0
6	13:03	40	916.08	4.2	4.04	4.0	968		256	59	76	76	9.0
	13:07	44	921.12	4.2	4.04	4.0	968		256	59	76	76	9.0
End	13:11	48	924.955	-	-	-	-	-	-	-	-	-	-
1	13:18	48	924.955	2.8	2.69	2.7	977		239	67	76	76	6.0
	13:22	52	928.51	2.8	2.69	2.7	977		239	67	76	76	6.0
2	13:26	56	932.29	2.1	2.02	2.0	981		240	58	76	76	5.5
	13:30	60	935.28	2.1	2.02	2.0	981		240	58	76	76	5.5
3	13:34	64	938.31	1.6	1.54	1.5	985		244	59	76	76	4.5
	13:38	68	941.08	1.6	1.54	1.5	985		244	59	76	76	4.5
4	13:42	72	943.86	1.5	1.44	1.4	985		249	59	77	77	4.5
	13:46	76	946.51	1.5	1.44	1.4	985		249	59	77	77	4.5
5	13:50	80	949.15	1.4	1.34	1.3	982		252	62	77	77	4.0
	13:54	84	951.71	1.4	1.34	1.3	982		252	62	77	77	4.0
6	13:58	88	953.25	1.5	1.44	1.4	982		248	64	77	77	4.0
	14:02	92	956.82	1.5	1.44	1.4	982		248	64	77	77	4.0
End	14:06	96	959.346	-	-	-	-	-	-	-	-	-	-

Sample Train Leak Checks (e.g., pre-test, at each port change, post-test)						
Port / AWFCO		Volume (ft^3) Start	Volume (ft^3) Stop	Time (sec.)	Vacuum (in Hg)	Leak Rate (cfm)
Port:	Before	—	—	60	15	0.001
	After	—	—	—	—	—
Port:	Before	—		—	—	—
	After	—	—	60	17	0.00

Comments:

Notes: Test Location Schematic is presented separately. additional leak checks here or on a separate sheet. Document

Checked By: [signature] 11/3/22 (Project Manager or QA Manager - sign and date)

NA = Not Applicable

TRC ISOKINETIC FIELD DATA SHEET (Continued)

Method: 5 & 29

Project No.	491281.0000.0000	Date	9-17-22
Client	Georgia Power	Operator Name	AF/ML
Facility	McIntosh Power Plant		
Source	EU1	Condition	Max
Sampling Location	Stack	Run No.	FO-2

Traverse Point	Time: Clock (24 hr)	Time: Elapsed (min)	DGM Volume (ft^3)	Pitot ΔP (in. H_2O)	Orifice, ΔH: Desired (in. H_2O)	Orifice, ΔH: Actual (in. H_2O)	Temperature (°F): Stack Flue Gas	Probe	Filter Exit	Impingers Exit	DGM Meter In	DGM Meter Out		Pump Vacuum (in. Hg)
A 1	14:12	96	959.346	2.6	2.50	2.5	970	7900	250	59	80	80		6.5
	14:16	100	962.83	2.6	2.50	2.5	970	"	250	59	80	80		6.5
2	14:20	104	966.33	1.5	1.44	1.4	970		244	59	77	77		5.0
	14:24	108	969.11	1.5	1.44	1.4	970		244	59	77	77		5.0
3	14:28	112	971.67	0.98	0.94	0.94	974		243	62	77	77		4.0
	~~14:32~~ 14:34	116	973.07	0.98	0.94	0.94	974		243	62	77	77		4.0
4	~~14:36~~ 14:38	120	976.72	0.74	0.71	0.71	962		241	63	77	77		3.5
	~~14:40~~ 14:42	124	978.21	0.74	0.71	0.71	962		241	63	77	77		3.5
5	~~14:44~~ 14:46	128	980.08	0.54	0.52	0.52	971		240	63 ~~68~~	77	77		3.0
	~~14:48~~ 14:50	132	981.76	0.54	0.52	0.52	971		240	63 ~~68~~	77	77		3.0
6	~~14:52~~ 14:54	136	983.40	0.51	0.49	0.49	970		241	63	77	77		3.0
	~~14:56~~ 14:58	140	985.01	0.51	0.49	0.49	970		241	63	77	77		3.0
End	~~15:00~~ 15:02	140	986.664	-	-	-	-	-	-	-	-	-	-	-
1	15:10	144	986.664	4.0	3.85	3.9	968		254	62	78	78		9.0
	15:14	148	990.90	4.0	3.85	3.9	968		254	62	78	78		9.0
2	15:18	152	995.10	3.6	3.46	3.5	964		250	57	78	78		9.0
	15:22	156	999.23	3.6	3.46	3.5	964		250	57	78	78		9.0
3	15:26	160	1003.39	3.8	3.65	3.7	959		248	59	79	79		9.0
	15:30	164	1007.71	3.8	3.6	3.7	959		248	59	79	79		9.0
4	15:34	168	1011.85	4.0	3.85	3.9	956		246	59	79	79		10.0
	15:38	172	1016.21	4.0	3.85	3.9	956		246	59	79	79		10.0
5	15:42	176	1020.78	4.4	4.23	4.2	941		242	59	79	79		11.0
	15:46	180	1025.15	4.4	4.23	4.2	941		242	59	79	79		11.0
6	15:50	184	1029.71	4.5	4.33	4.3	945		240	58	79	79		11.0
	15:54	188	1034.21	4.5	4.33	4.3	945		240	58	79	79		11.0
End	15:58	192	1038.665	-	-	-	-	-	-	-	-	-	-	-

Sample Train Leak Checks (e.g., pre-test, at each port change, post-test)

Port / AWFCO		Volume (ft^3) Start	Volume (ft^3) Stop	Time (sec.)	Vacuum (in Hg)	Leak Rate (cfm)
Port:	Before					
	After					
Port:	Before					
	After					
Port:	Before					
	After					

Comments:

Checked By: _____ 11/3/22 (Project Manager or QA Manager - sign and date)

NA = Not Applicable

TRC ISOKINETIC FIELD DATA SHEET Method: 5 & 29

Project No. 491281.0000.0000			Date 7/19/22
Client Georgia Power			Operator Name AF
Facility McIntosh Power Plant	Stack Diameter (in.) 186		Barometer ID 14900524
Source Unit 1	Condition Max		Barometric Pressure (in. Hg) 29.90
Sampling Location Stack	Run No. 01-3		Static Pressure (in. H_2O) -1.70

Assumed Moisture (%)	Ambient Temp. (°F)	Filter No.	Probe Liner Material	Probe Setting (°F)	Probe Length (ft)	Post-Test Positive Orifice/Meter Leak Check Pass?	Nozzle ID No.
8.0		513236	Quartz	248	8	___Y ___N	B/A2-1
K Factor 0.963							

Pitot Tube				DGM - Meter Box					
Pitot Pre-test: Pass?	+ ~~Y~~ ___N - ___N	ID No.	PTCF or Cp	Console No.	Meter No.	ΔH @	DGMCF or Y	Diameter (in.)	
Pitot Post-test: Pass?	+ ✓Y ___N - ✓Y ___N	PTI-8A	0.827	—	E13	1.739	0.9941	0.233	

Traverse Point	Time: Clock (24 hr)	Time: Elapsed (min)	DGM Volume (ft^3)	Pitot ΔP (in. H_2O)	Orifice, ΔH: Desired (in. H_2O)	Orifice, ΔH: Actual (in. H_2O)	Temperature (°F): Stack Flue Gas	Probe	Filter Exit	Impingers Exit	DGM Meter In	DGM Meter Out		Pump Vacuum (in. Hg)
C 1	7:31	0	39.269	4.9	4.71	4.70	926	>900	230	68	70	70		15.5
—	7:35	4	43.99	4.9	4.71	4.70	926		230	68	70	70		13.5
2	7:39	8	48.73	4.8	4.62	4.60	936		240	55	69	6069		13.0
—	7:43	12	53.46	4.8	4.62	4.60	936		240	55	69	69		13.0
3	7:47	16	58.19	4.9	4.71	4.70	943		243	55	70	70		14.0
—	7:51	20	63.04	4.9	4.71	4.70	943		243	55	70	70		14.0
4	7:55	24	67.68	5.0	4.81	4.80	945		246	56	70	70		14.5
—	7:59	28	72.47	5.0	4.81	4.80	945		246	56	70	70		14.5
5	8:03	32	77.27	4.7	4.52	4.50	944		250	57	71	71		14.0
—	8:07	36	81.94	4.7	4.52	4.50	944		250	57	71	71		14.0
6	8:11	40	86.64	4.0	3.85	3.90	940		244	59	71	71		12.0
—	8:15	44	90.97	4.0	3.85	3.90	940		244	59	71	71		12.0
End	8:19	48	95.332	-	-	-	-	-	-	-	-	-	-	-
D 1	8:26	48	95.332	2.8	2.69	2.70	947		238	60	71	71		8.0
—	8:30	52	98.96	2.8	2.69	2.70	947		238	60	71	71		8.0
2	8:34	56	102.68	2.2	2.11	2.10	954		246	50	71	71		6.5
—	8:38	60	105.91	2.2	2.11	2.10	954		246	50	71	71		6.5
3	8:42	64	109.15	1.8	1.73	1.70	954		245	51	72	72		6.5
—	8:46	68	111.32	1.8	1.73	1.70	954		245	51	72	72		6.5
4	8:50	72	114.85	1.5	1.44	1.40	957		246	51	72	72		5.0
—	8:54	76	117.46	1.50	1.44	1.40	957		246	51	72	72		5.0
5	8:58	80	120.18	1.40	1.34	1.30	948		256	51	73	73		5.0
9:02	~~9:02~~	84	122.66	1.40	1.34	1.30	948		256	51	73	73		5.0
6	9:06	88	125.19	1.30	1.25	1.30	958		248	53	74	74		5.0
—	9:10	92	127.74	1.30	1.25	1.30	958		248	53	74	74		5.0
End	9:14	96	130.240	-	-	-	-	-	-	-	-	-	-	-

Sample Train Leak Checks (e.g., pre-test, at each port change, post-test)

Port / AWFCO		Volume (ft^3) Start	Volume (ft^3) Stop	Time (sec.)	Vacuum (in Hg)	Leak Rate (cfm)
Port:	Before	—	—	60	15.0	0.001
	After	—	—	—	—	—
Port:	Before	—	—	—	—	—
	After	—	—	60	17	0.001

Comments:

Notes: Test Location Schematic is presented separately. additional leak checks here or on a separate sheet. Document

Checked By: _____ 11/3/22 (Project Manager or QA Manager - sign and date)

NA = Not Applicable

TRC ISOKINETIC FIELD DATA SHEET (Continued)

Method: 5 & 29

Project No.	491281.0000.0000	Date	9/19/22
Client	Georgia Power	Operator Name	AK
Facility	McIntosh Power Plant		
Source	Unit 1	Condition	Max
Sampling Location	Stack	Run No.	01-3

	Traverse Point	Time: Clock (24 hr)	Time: Elapsed (min)	DGM Volume (ft^3)	Pitot ΔP (in. H_2O)	Orifice, ΔH: Desired (in. H_2O)	Orifice, ΔH: Actual (in. H_2O)	Temperature (°F): Stack Flue Gas	Probe	Filter Exit	Impingers Exit	DGM Meter In	DGM Meter Out		Pump Vacuum (in. Hg)
A	1	9:20	96	130.240	2.4	2.31	2.30	942	>900	~~67~~ 248	67	74	74		6.0
	—	9:24	100	133.64	2.4	2.31	2.30	942		248	67	74	74		6.0
	2	9:28	104	137.05	1.3	1.25	1.30	946		235	51	74	74		5.0
	—	9:32	108	139.63	1.3	1.25	1.30	948		235	51	74	74		5.0
	3	9:36	112	142.16	0.97	0.93	0.93	944		245	52	76	76		4.0
	—	9:40	116	144.41	0.97	0.93	0.93	944		245	52	76	76		4.0
	4	9:44	120	146.58	0.65	0.62	0.62	946		238	52	75	75		3.5
	—	9:48	124	149.32	0.65	0.62	0.62	946		238	~~55~~ 52	75	75		3.5
	5	9:52	128	150.56	0.59	0.56	0.56	947		238	52	75	75		2.0
	—	9:56	132	151.96	0.59	0.56	0.56	947		238	52	75	75		2.0
	6	10:00	136	153.68	0.42	0.40	0.40	943		240	53	75	75		1.5
	—	10:04	140	155.24	0.42	0.40	0.40	943		240	53	75	75		1.5
	End	10:08	140	156.560	-	-	-	-	-	-	-	-	-	-	-
B	1	10:15	144	156.560	3.7	3.56	3.60	948		254	54	75	75		11.0
	—	10:19	148	160.68	3.7	3.56	3.60	948		254	54	75	75		11.0
	2	10:23	152	164.86	3.9	3.75	3.80	941		253	55	75	75		12.0
	—	10:27	156	169.34	3.90	3.75	3.80	941		253	55	75	75		12.0
	3	10:31	160	173.57	3.80	3.65	3.70	938		238	57	76	76		12.0
	—	10:35	164	177.76	3.80	3.65	3.70	938		240	57	76	76		12.0
	4	10:39	168	182.03	4.20	4.04	4.0	937		242	58	77	77		13.0
	—	10:43	172	186.44	4.20	4.04	4.0	937		242	58	77	77		13.0
	5	10:48	176	190.94	4.20	4.04	4.0	936		242	59	76	76		13.0
	—	10:~~49~~ 53	180	195.24	4.20	4.04	4.0	936		240	59	77	77		13.0
	6	10:~~54~~ 58	184	199.91	4.30	4.14	4.10	934		241	61	78	78		13.5
	—	10:~~59~~ 63	188	204.41	4.30	4.14	4.10	934		241	61	78	78		13.5
	End	~~10:54~~ 11:03	192	208.934	-	-	-	-	-	-	-	-	-	-	-

Sample Train Leak Checks (e.g., pre-test, at each port change, post-test)

Port / AWFCO		Volume (ft^3) Start	Volume (ft^3) Stop	Time (sec.)	Vacuum (in Hg)	Leak Rate (cfm)
Port:	Before					
	After					
Port:	Before					
	After					
Port:	Before					
	After					

Comments:

Checked By: _____ 11/3/22 (Project Manager or QA Manager - sign and date)

NA = Not Applicable

TRC ISOKINETIC FIELD DATA SHEET Method: 5 & 29

Project No. 491281.0000.0000			Date 9/19/22
Client Georgia Power			Operator Name AR
Facility McIntosh Power Plant	Stack Diameter (in.) 186		Barometer ID 14900524
Source Unit 1	Condition Max		Barometric Pressure (in. Hg) 29.40
Sampling Location Stack 513238	Run No. 01-4		Static Pressure (in. H_2O) -1.70

Assumed Moisture (%)	Ambient Temp. (°F)	Filter No.	Probe Liner Material	Probe Setting (°F)	Probe Length (ft)	Post-Test Positive Orifice/Meter Leak Check Pass?	Nozzle ID No.
8.0		~~513236~~ 11	Quartz	248	8	___Y ___N	GPQ-2
K Factor 0.963							

Pitot Tube				DGM - Meter Box				
Pitot Pre-test: Pass?	+✓Y ___N -___Y ___N	ID No.	PTCF or Cp	Console No.	Meter No.	ΔH @	DGMCF or Y	Diameter (in.)
Pitot Post-test: Pass?	+✓Y ___N -✓Y ___N	PiI-8B	0.825	—	M-16	1.899	1.0165	0.233

Traverse Point	Time: Clock (24 hr)	Time: Elapsed (min)	DGM Volume (ft^3)	Pitot ΔP (in. H_2O)	Orifice, ΔH: Desired (in. H_2O)	Orifice, ΔH: Actual (in. H_2O)	Temperature (°F): Stack Flue Gas	Probe	Filter Exit	Impingers Exit	DGM Meter In	DGM Meter Out	Pump Vacuum (in. Hg)
C 1	11:32	0	304.110	4.3	4.14	4.10	947	>900	248	67	70	70	8.5
	11:36	4	308.32	4.3	4.14	4.10	947		248	67	70	70	8.5
2	11:40	8	312.62	4.2	4.04	4.0	959		243	66	76	70	9.0
	11:44	12	316.68	4.2	4.04	4.0	959		243	66	76	70	9.0
3	11:48	16	320.94	4.3	4.14	4.10	963		240	65	78	71	9.0
	11:52	20	325.05	4.3	4.14	4.10	963		240	65	78	71	9.0
4	11:56	24	329.24	4.3	4.14	4.10	967		232	65	80	72	9.5
	12:00	28	333.52	4.3	4.14	4.10	967		232	65	80	72	9.5
5	12:04	32	337.64	4.1	3.94	3.90	963		240	66	82	73	9.0
	12:08	36	341.91	4.1	3.94	3.90	963		240	66	82	73	9.0
6	12:12	40	346.06	3.5	3.37	3.40	961		260	67	82	74	7.5
	12:16	44	349.95	3.5	3.37	3.40	961		260	67	82	74	7.5
End	12:20	48	353.845	-	-	-	-		-	-	-	-	-
D 1	12:27	48	353.845	2.5	2.40	2.40	968		240	66	77	74	6.0
	12:31	52	357.02	2.5	2.40	2.40	968		240	66	77	74	6.0
2	12:35	56	360.28	2.0	1.92	1.90	974		238	64	79	74	5.0
	12:39	60	363.18	2.0	1.92	1.90	974		238	64	79	74	5.0
3	12:43	64	366.07	1.6	1.54	1.50	974		249	65	80	74	4.5
	12:47	68	368.66	1.60	1.54	1.50	974		249	65	80	74	4.5
4	12:51	72	371.21	1.40	1.34	1.30	976		253	66	81	75	3.0
	12:55	76	373.63	1.40	1.34	1.30	976		253	66	81	75	3.0
5	12:59	80	376.03	1.40	1.34	1.30	977		235	67	81	75	3.0
	13:03	84	378.34	1.40	1.34	1.30	977		235	67	81	75	3.0
6	13:07	88	380.64	1.30	1.25	1.30	976		240	66	81	75	4.0
	13:11	92	383.01	1.30	1.25	1.30	976		240	66	81	75	4.0
End	13:15	96	385.375	-	-	-	-		-	-	-	-	-

Sample Train Leak Checks (e.g., pre-test, at each port change, post-test)

Port / AWFCO		Volume (ft^3) Start	Volume (ft^3) Stop	Time (sec.)	Vacuum (in Hg)	Leak Rate (cfm)
Port:	Before	—	—	60	17	0.001
	After	—	—	—	—	-
Port:	Before	—	—	—	—	—
	After	—	—	60	15	0.001

Comments:

Notes: Test Location Schematic is presented separately. additional leak checks here or on a separate sheet.

Document

Checked By: _____ 11/3/22 (Project Manager or QA Manager - sign and date)

NA = Not Applicable

M-TRC-F-CEM-7E-Test-Data-2019

TRC ISOKINETIC FIELD DATA SHEET (Continued) Method: 5 & 29

Project No.	491281.0000.0000	Date	9/19/22
Client	Georgia Power	Operator Name	AK
Facility	McIntosh Power Plant		
Source	Unit 1	Condition	Max
Sampling Location	Stack	Run No.	01-4

	Traverse Point	Time: Clock (24 hr)	Time: Elapsed (min)	DGM Volume (ft^3)	Pitot ΔP (in. H_2O)	Orifice, ΔH: Desired (in. H_2O)	Orifice, ΔH: Actual (in. H_2O)	Temperature (°F): Stack Flue Gas	Probe	Filter Exit	Impingers Exit	DGM Meter In	DGM Meter Out		Pump Vacuum (in. Hg)
A	1	13:21	96	385.375	2.3	2.21	2.20	970	>900	248	67	76	75		4.0
	—	13:25	100	389.25	2.3	2.21	2.20	970		248	67	76	75		4.0
	2	13:29	104	391.57	1.4	1.34	1.30	969		260	66	80	75		4.0
		13:33	108	394.55	1.4	1.34	1.30	969		260	66	80	75		4.0
	3	13:37	112	396.33	0.88	0.84	0.84	965		252	65	80	75		3.5
		13:41	116	398.26	0.88	0.84	0.84	965		252	65	80	75		3.5
	4	13:45	120	400.32	0.65	0.62	0.62	962		240	66	79	77		2.0
		13:49	124	402.14	0.65	0.62	0.62	962		240	66	79	77		2.0
	5	13:53	128	403.81	0.55	0.52	0.52	962		236	66	78	76		2.0
		13:57	132	405.39	0.55	0.52	0.52	962		236	66	78	76		2.0
	6	14:01	136	406.93	0.41	0.39	0.39	965		238	66	77	75		~~1.5~~ 1.5
		14:05	140	408.28	0.41	0.39	0.39	965		238	66	77	75		1.5
	End	14:09	140	409.696	-	-	-	-	-	-	-	-	-	-	-
B	1	14:16	144	409.696	3.8	3.65	3.70	960		240	65	74	74		13.0
		14:20	148	413.68	3.8	3.65	3.70	960		240	65	74	74		13.0
	2	14:24	152	417.53	3.7	3.56	3.60	961		237	65	76	74		11.0
		14:28	156	421.53	3.70	3.56	3.60	961		237	65	76	74		11.0
	3	14:32	160	425.52	3.70	3.56	3.60	956		235	66	78	73		10.5
		14:36	164	429.48	3.70	3.56	3.60	956		235	66	78	73		10.5
	4	14:40	168	433.42	4.3	4.14	4.10	953		250	67	80	73		12.0
		14:44	172	437.57	4.3	4.14	4.10	953		250	67	80	73		12.0
	5	14:48	176	441.82	4.1	3.94	3.90	949		240	66	80	73		11.0
		14:52	180	445.95	4.1	3.94	3.90	949		240	66	80	73		11.0
	6	14:56	184	450.23	3.4	3.30	3.30	947		238	67	79	73		9.5
		15:00	188	453.98	3.4	3.30	3.30	947		238	67	79	73		9.5
	End	15:04	192	457.730	-	-	-	-	-	-	-	-	-	-	-

Sample Train Leak Checks (e.g., pre-test, at each port change, post-test)

Port / AWFCO		Volume (ft^3) Start	Volume (ft^3) Stop	Time (sec.)	Vacuum (in Hg)	Leak Rate (cfm)
Port:	Before					
	After					
Port:	Before					
	After					
Port:	Before					
	After					

Comments:

Checked By: 11/3/22 (Project Manager or QA Manager - sign and date)

NA = Not Applicable

TRC ISOKINETIC FIELD DATA SHEET Method: 5 & 29

Project No. 491281.0000.0000			Date 9/19/22
Client Georgia Power			Operator Name AK
Facility McIntosh Power Plant	Stack Diameter (in.) 186		Barometer ID 14900524
Source Unit 1	Condition Max		Barometric Pressure (in. Hg) 29.90
Sampling Location Stack	Run No. 01-S		Static Pressure (in. H_2O) -1.70

Assumed Moisture (%) 8.0	Ambient Temp. (°F)	Filter No.	Probe: Liner Material	Probe: Setting (°F)	Probe: Length (ft)	Post-Test Positive Orifice/Meter Leak Check Pass?	Nozzle ID No.
K Factor 0.963		513237	Quartz	248	8	___Y ___N	GPQ-1

Pitot Tube: Pitot Pre-test: Pass?	Pitot Post-test: Pass?	ID No.	PTCF or Cp	DGM - Meter Box: Console No.	Meter No.	ΔH @	DGMCF or Y	Diameter (in.)
+✓Y ___N -✓Y ___N	+✓Y ___N -✓Y ___N	PT-8A	0.827	—	E13	1.739	0.9941	0.233

Traverse Point	Time: Clock (24 hr)	Time: Elapsed (min)	DGM Volume (ft^3)	Pitot ΔP (in. H_2O)	Orifice, ΔH: Desired (in. H_2O)	Orifice, ΔH: Actual (in. H_2O)	Temperature (°F): Stack Flue Gas	Temperature (°F): Probe	Temperature (°F): Filter Exit	Temperature (°F): Impingers Exit	Temperature (°F): DGM Meter In	Temperature (°F): DGM Meter Out		Pump Vacuum (in. Hg)
C 1	15:08	0	209.851	4.1	3.94	3.90	963	400	248	67	73	73		11.0
	15:12	4	214.28	4.1	3.94	3.90	963		248	67	73	73		11.0
2	15:16	8	218.78	4.2	4.04	4.0	970		254	53	73	73		16.5
	15:20	12	223.24	4.2	4.04	4.0	970		254	53	73	73		11.5
3	15:24	16	228.04	4.3	4.14	4.1	973		237	53	74	74		9.0
	15:28	20	232.18	4.3	4.14	4.1	973		237	53	74	74		9.0
4	15:32	24	236.69	4.3	4.14	4.1	973		237	54	74	74		9.0
	15:36	28	241.19	4.3	4.14	4.1	973		237	54	74	74		9.0
5	15:40	32	245.73	4.2	4.04	4.0	969		258	54	75	75		9.0
	15:44	36	~~245~~ 250.18	4.2	4.04	4.0	969		258	54	75	75		9.0
6	15:48	40	254.65	3.5	3.37	3.40	968		237	57	77	77		7.5
	15:52	44	258.79	3.5	3.37	3.40	968		237	57	77	77		7.5
End	15:56	48	262.931	-	-	-	-		-	-	-	-	-	-
D 1	16:03	48	262.931	2.5	2.4	2.40	960		240	57	77	77		5.5
—	16:07	52	266.41	2.5	2.4	2.40	960		240	57	77	77		5.5
2	16:11	56	269.93	2.0	1.92	1.90	967		243	48	77	77		5.0
—	16:15	60	273.03	2.0	1.92	1.90	967		243	48	77	77		5.0
3	16:19	64	276.11	1.5	1.44	1.40	970		250	63	78	78		4.0
—	16:23	68	279.81	1.5	1.44	1.40	970		250	63	78	78		4.0
4	16:27	72	281.47	1.3	1.25	1.30	973		255	51	78	78		4.0
—	16:31	76	284.06	1.30	1.25	1.30	973		255	51	78	78		4.0
5	16:35	80	286.68	1.30	1.25	1.30	973		256	52	79	79		4.0
—	16:39	84	289.26	1.30	1.25	1.30	973		256	52	79	79		4.0
6	16:43	88	291.82	1.20	1.15	1.20	974		249	55	78	78		4.0
—	16:47	92	294.34	1.20	1.15	1.20	974		249	55	78	78		4.0
End	16:51	96	296.855	-	-	-	-		-	-	-	-	-	-

Sample Train Leak Checks (e.g., pre-test, at each port change, post-test)		Volume (ft^3) Start	Volume (ft^3) Stop	Time (sec.)	Vacuum (in Hg)	Leak Rate (cfm)
Port / AWFCO						
Port:	Before	—	—	60	18	0.001
	After	—	—	—	—	—
Port:	Before	—	—	—	—	—
	After	—	—	60	16	0.001

Comments:

Notes: Test Location Schematic is presented separately. additional leak checks here or on a separate sheet. Document

Checked By: _____ 11/3/22 (Project Manager or QA Manager - sign and date)

NA = Not Applicable

AMEDS-24-Desk_10/11/2019

TRC ISOKINETIC FIELD DATA SHEET (Continued)

Method: 5 & 29

Project No.	491281.0000.0000	Date	9/18/22
Client	Georgia Power	Operator Name	AF
Facility	McIntosh Power Plant		
Source	Unit 1	Condition	Max
Sampling Location	Stack	Run No.	0.1-5

Traverse Point	Time: Clock (24 hr)	Time: Elapsed (min)	DGM Volume (ft^3)	Pitot ΔP (in. H_2O)	Orifice, ΔH: Desired (in. H_2O)	Orifice, ΔH: Actual (in. H_2O)	Temperature (°F): Stack Flue Gas	Temperature (°F): Probe	Temperature (°F): Filter Exit	Temperature (°F): Impingers Exit	Temperature (°F): DGM Meter In	Temperature (°F): DGM Meter Out	Pump Vacuum (in. Hg)
A 1	17:22	96	~~297.214~~ ~~296.955~~	2.2	2.11	2.10	973	>900	249	54	78	78	5.0
	17:26	100	301.32	2.2	2.11	2.10	973		249	54	78	78	5.0
2	17:30	104	303.84	1.4	1.34	1.30	962		250	53	77	77	4.0
	17:34	108	306.91	1.4	1.34	1.30	962		250	53	77	77	4.0
3	17:38	112	309.04	0.87	0.83	0.83	959		251	56	77	77	3.5
	17:42	116	311.13	0.87	0.83	0.83	959		251	56	77	77	3.5
4	17:46	120	313.19	0.70	0.67	0.67	956		245	57	77	77	2.0
	17:50	124	315.18	0.70	0.67	0.67	956		245	57	77	77	2.0
5	17:54	128	317.02	0.50	0.48	0.48	953		242	58	77	77	1.5
	17:58	132	318.57	0.50	0.48	0.48	953		242	58	77	77	1.5
6	18:02	136	320.19	0.43	0.41	0.41	950		240	59	78	78	1.5
	18:06	140	322.09	0.43	0.41	0.41	950		243	59	78	78	1.5
End	18:10	140	323.189	-	-	-	-		-	-	-	-	-
1	18:17	144	323.189	3.80	3.65	3.70	940		248	58	79	79	8.0
	18:21	148	327.39	3.80	3.65	3.70	940		248	58	79	79	8.0
2	18:25	152	331.68	3.70	3.56	3.60	945		255	60	77	77	8.5
	18:29	156	335.91	3.70	3.56	3.60	942		260	62	77	77	8.5
3	18:33	160	340.62	3.50	3.46	3.50	939		261	63	77	77	8.0
	18:37	164	344.31	3.50	3.46	3.50	939		261	63	77	77	8.0
4	18:41	168	348.46	3.7	3.56	3.60	934		260	64	77	77	8.0
	18:45	172	352.72	3.70	3.56	3.60	934		260	64	77	77	8.0
5	18:49	176	356.95	3.90	3.75	3.80	928		249	65	78	78	8.5
	18:53	180	361.21	3.90	3.75	3.80	928		249	65	78	78	8.5
6	18:57	184	365.65	3.5	3.37	3.40	924		237	65	78	78	8.0
	19:01	188	369.89	3.5	3.37	3.40	924		237	65	78	78	8.0
End	19:05	192	373.950	-	-	-	-		-	-	-	-	-

Sample Train Leak Checks (e.g., pre-test, at each port change, post-test)

Port / AWFCO		Volume (ft^3) Start	Volume (ft^3) Stop	Time (sec.)	Vacuum (in Hg)	Leak Rate (cfm)
Port:	Before					
	After					
Port:	Before					
	After					
Port:	Before					
	After					

Comments: Nozzle chipped between ports D and A, was replaced w/ nozzle of same diameter, leak check was performed w/ new nozzle: 60sec, 17 in Hg, 0.001 cfm

Checked By: _____ 11/3/22 (Project Manager or QA Manager - sign and date)

NA = Not Applicable

TRC ISOKINETIC FIELD DATA SHEET Method: 5 & 29

Project No. 491281.0000.0000			Date 9.20.22
Client Georgia Power			Operator Name Michael Lawrie
Facility McIntosh Power Plant	Stack Diameter (in.) 186		Barometer ID 14900524
Source Unit 1	Condition FO Max		Barometric Pressure (in. Hg) 29.9
Sampling Location Stack	Run No. 01-06		Static Pressure (in. H_2O) -1.70

Assumed Moisture (%)	Ambient Temp. (°F)	Filter No.	Probe Liner Material	Probe Setting (°F)	Probe Length (ft)	Post-Test Positive Orifice/Meter Leak Check Pass?	Nozzle ID No.
8.0		513227	Quartz	248	8	___Y ___N	GPC-3
K Factor 0.963							

Pitot Tube				DGM - Meter Box				
Pitot Pre-test: Pass?	+✓Y ___N -✓Y ___N	ID No.	PTCF or Cp	Console No.	Meter No.	ΔH @	DGMCF or Y	Diameter (in.)
Pitot Post-test: Pass?	+✓Y ___N -✓Y ___N	RPI-8A	0.827	ML M16 E13	ML M1+	ML 1.899 1.739	0.9941 1.0105 MC	0.233

Traverse Point	Time: Clock (24 hr)	Time: Elapsed (min)	DGM Volume (ft^3)	Pitot ΔP (in. H_2O)	Orifice, ΔH: Desired (in. H_2O)	Orifice, ΔH: Actual (in. H_2O)	Temperature (°F): Stack Flue Gas	Temperature (°F): Probe	Temperature (°F): Filter Exit	Temperature (°F): Impingers Exit	Temperature (°F): DGM Meter In	Temperature (°F): DGM Meter Out		Pump Vacuum (in. Hg)
1	9:04	0	375.610	2.7	2.60	2.6	943	7900	244	57	69	69		6.5
—	9:08	4	379.28	2.7	2.60	2.6	943		244	57	69	69		6.5
2	9:12	8	382.74	2.0	1.92	1.9	949		265 230ml	54	70	70		5.5
—	9:16	12	385.89	2.0	1.92	1.9	949		265	54	70	70		5.5
3	9:20	16	388.91	1.6	1.54	1.5	952		264	56	71	71		4.5
—	9:24	20	391.68	1.6	1.54	1.5	952		264	56	71	71		4.5
4	9:28	24	394.51	1.4	1.34	1.3	954		250	57	72	72		4.5
—	9:32	28	397.17	1.4	1.34	1.3	954		250	57	72	72		4.5
5	9:36	32	399.79	1.4	1.34	1.3	959		246	57	72	72		4.5
—	9:40	36	402.25	1.4	1.34	1.3	959		246	57	72	72		4.5
6	9:44	40	404.82	1.2	1.15	1.2	959		249	58	73	73		4.0
—	9:48	44	407.39	1.2	1.15	1.2	959		249	58	73	73		4.0
End	9:52	48	409.725	-	-	-	-	-	-	-	-	-	-	-
1	10:02	48	409.725	2.3	2.21	2.2	951		239	59	73	73		6.0
—	10:06	52	413.01	2.3	2.21	2.2	951		239	59	73	73		6.0
2	10:10	56	416.32	1.3	1.25	1.3	952		257	51	74	74		4.0
—	10:14	60	418.93	1.3	1.25	1.3	952		257	51	74	74		4.0
3	10:18	64	421.50	0.91	0.87	0.87	953		255	52	74	74		3.5
—	10:22	68	423.64	0.91	0.87	0.87	953		255	52	74	74		3.5
4	10:26	72	425.75	0.69	0.66	0.66	951		249	55	74	74		3.0
—	10:30	76	427.68	0.69	0.66	0.66	951		249	55	74	74		3.0
5	10:34	80	429.43	0.53	0.51	0.51	953		243	56	74	74		3.0
—	10:38	84	431.16	0.53	0.51	0.51	953		243	56	74	74		3.0
6	10:42	88	432.80	0.40	0.38	0.38	955		239	55	75	75		2.5
—	10:46	92	434.24	0.40	0.38	0.38	955		239	55	75	75		2.5
End	10:50	96	435.520	-	-	-	-	-	-	-	-	-	-	-

DB

A

Sample Train Leak Checks (e.g., pre-test, at each port change, post-test)

Port / AWFCO		Volume (ft^3) Start	Volume (ft^3) Stop	Time (sec.)	Vacuum (in Hg)	Leak Rate (cfm)
Port:	Before	-	-	60	ML 1813	0.001
	After			60	17	0.001
Port:	Before					
	After					

Comments: Time stamp EST on data sheet, but our time 1hr behind for Plant DAS,
09:04 → 0804

Notes: Test Location Schematic is presented separately. additional leak checks here or on a separate sheet. Document

Checked By: _____ (Project Manager or QA Manager - sign and date) 11/3/22

NA = Not Applicable

TRC ISOKINETIC FIELD DATA SHEET (Continued) Method: 5 & 29

Project No.	491281.0000.0000	Date	9-20-22
Client	Georgia Power	Operator Name	Michael Lawrie
Facility	McIntosh Power Plant		
Source	Unit 1	Condition	FO Max
Sampling Location	Stack	Run No.	01-6

Traverse Point	Time: Clock (24 hr)	Time: Elapsed (min)	DGM Volume (ft^3)	Pitot ΔP (in. H_2O)	Orifice, ΔH: Desired (in. H_2O)	Orifice, ΔH: Actual (in. H_2O)	Temperature (°F): Stack Flue Gas	Probe	Filter Exit	Impingers Exit	DGM Meter In	DGM Meter Out		Pump Vacuum (in. Hg)	
B 1	11:03	96	435.520	3.9	3.75	3.8	953	7900	240	61	75	75		~~8.5~~ mL	9.0
-	11:07	100	439.62	3.9	3.75	3.8	953		240	61	75	75		~~8.5~~ mL	9.0
2	11:11	104	444.07	3.8	3.65	3.7	951		256	54	75	75		9.0	
-	11:15	108	448.32	3.8	3.65	3.7	951		256	54	75	75		9.0	
3	11:19	112	452.52	3.8	3.65	3.7	950		257	58	75	75		9.0	
-	11:23	116	456.89	3.8	3.65	3.7	950		257	58	75	75		9.0	
4	11:27	120	461.16	3.8	3.65	3.7	948		251	60	75	75		9.0	
-	11:31	124	465.42	3.8	3.65	3.7	948		251	60	75	75		9.0	
5	11:35	128	469.60	4.0	3.85	3.9	943		247	62	76	76		9.5	
-	11:39	132	474.08	4.0	3.85	3.9	943		247	62	76	76		9.5	
6	11:43	136	478.50	3.5	3.37	3.4	937		241	65	76	76		8.5	
-	11:47	140	482.66	3.5	3.37	3.4	937		241	65	76	76		8.5	
C End	11:51	140	486.651	-	-	-	-	-	-	-	-	-	-	-	
1	12:00	144	486.651	4.3	4.14	4.1	962		244	65	77	77		10.0	
-	12:04	148	490.84	4.3	4.14	4.1	962		244	65	77	77		10.0	
2	12:08	152	495.34	4.4	4.23	4.2	966		240	67	76	76		10.5	
-	12:12	156	500.12	4.4	4.23	4.2	966		240	67	76	76		10.5	
3	12:16	160	504.51	4.5	4.33	4.3	971		254	66	77	77		11.0	
-	12:20	164	509.05	4.5	4.33	4.3	971		254	66	77	77		11.0	
4	12:24	168	513.77	4.7	4.52	4.5	970		249	64	77	77		11.5	
-	12:28	172	518.32	4.7	4.52	4.5	970		249	64	77	77		11.5	
5	12:32	176	523.16	4.6	4.42	4.4	971		242	64	77	77		11.5	
-	12:36	180	527.72	4.6	4.42	4.4	971		242	64	77	77		11.5	
6	12:40	184	532.45	4.2	4.04	4.0	968		239	64	78	78		10.0	
-	12:44	188	536.94	4.2	4.04	4.0	968		239	64	78	78		10.0	
End	12:48	192	541.450	-	-	-	-	-	-	-	-	-	-	-	

Sample Train Leak Checks (e.g., pre-test, at each port change, post-test)

Port / AWFCO		Volume (ft^3) Start	Volume (ft^3) Stop	Time (sec.)	Vacuum (in Hg)	Leak Rate (cfm)
Port:	Before					
	After					
Port:	Before					
	After					
Port:	Before					
	After					

Comments:

Checked By: _____ 11/3/22 (Project Manager or QA Manager - sign and date)

NA = Not Applicable

TRC ISOKINETIC FIELD DATA SHEET Method: 5 & 29

Project No. 491281.0000.0000			Date 9/20/22
Client Georgia Power			Operator Name AL
Facility McIntosh Power Plant	Stack Diameter (in.) 186		Barometer ID 14900524
Source Unit 1	Condition Max		Barometric Pressure (in. Hg) 29.9
Sampling Location Stack	Run No. 01-7		Static Pressure (in. H_2O) -1.70

Assumed Moisture (%)	Ambient Temp. (°F)	Filter No.	Probe Liner Material	Probe Setting (°F)	Probe Length (ft)	Post-Test Positive Orifice/Meter Leak Check Pass?	Nozzle ID No.
8.0		513228	Quartz	248	8	___Y ___N	SBQ-3
K Factor 0.963							

Pitot Tube				DGM - Meter Box				
Pitot Pre-test: Pass?	+ ✓ Y ___N - ✓ Y ___N	ID No.	PTCF or Cp	Console No.	Meter No.	1.739 ΔH@	DGMCF or Y	Diameter (in.)
Pitot Post-test: Pass?	+ ✓ Y ___N - ✓ Y ___N	RPI-8A	0.827	—	AA16	~~1.899~~ E13	~~1.0105~~ 0.9941	0.233

Traverse Point	Time: Clock (24 hr)	Time: Elapsed (min)	DGM Volume (ft^3)	Pitot ΔP (in. H_2O)	Orifice, ΔH: Desired (in. H_2O)	Orifice, ΔH: Actual (in. H_2O)	Temperature (°F): Stack Flue Gas	Temperature (°F): Probe	Temperature (°F): Filter Exit	Temperature (°F): Impingers Exit	Temperature (°F): DGM Meter In	Temperature (°F): DGM Meter Out		Pump Vacuum (in. Hg)
D 1	12:57	0	541.946	3.1	2.98	83.0	956	8>900	238	67	74	74		6.5
	13:01	4	548.62	3.1	2.98	3.0	956		238	67	74	74		6.5
2	13:05	8	549.57	2.0	1.92	1.90	984		249	65	73	73		5.0
	13:09	12	552.59	2.0	1.92	1.90	984		249	65	73	73		5.0
3	13:13	16	555.68	1.5	1.44	1.40	983		250	64	74	74		4.0
	13:17	20	558.43	1.5	1.44	1.40	983		250	64	74	74		4.0
4	13:21	24	561.15	1.5	1.44	1.40	985		251	65	74	74		4.0
	13:25	28	563.79	1.5	1.44	1.40	985		251	65	74	74		4.0
5	13:29	32	566.43	1.4	1.34	1.30	984		243	66	75	75		3.5
	13:33	36	568.92	1.40	1.34	1.30	984		243	66	75	75		3.5
6	13:37	40	571.41	1.20	1.15	1.20	982		243	66	76	76		3.5
	13:41	44	573.91	1.20	1.15	1.20	982		243	66	76	76		3.5
End	13:45	48	576.409	-	-	-	-	-	-	-	-	-	-	-
A 1	13:51	48	576.409	2.2	2.11	2.10	972		240	66	76	76		5.5
	13:55	52	579.62	2.2	2.11	2.10	972		240	66	76	76		5.5
2	13:59	56	582.84	1.3	1.25	1.30	973		251	67	77	77		4.0
	14:03	60	585.91	1.3	125	1.30	973		251	67	77	77		4.0
3	14:07	64	588.79	0.88	0.84	0.84	973		250	66	76	76		3.0
	14:11	68	590.15	0.58	0.84	0.84	973		250	66	76	76		3.0
4	14:15	72	592.72	0.67	0.64	0.64	975		248	65	76	76		2.5
	14:19	76	594.11	0.67	0.64	0.64	975		248	65	76	76		2.5
5	14:23	80	595.91	0.57	0.54	0.54	975		242	64	76	76		2.0
	14:27	84	597.43	0.57	0.54	0.54	975		242	64	76	76		2.0
6	14:31	88	599.24	0.46	0.38	0.38	969		241	65	77	77		1.5
	14:35	92	600.66	0.40	0.38	0.38	969		241	65	77	77		1.5
End	14:39	96	602.174	-	-	-	-	-	-	-	-	-	-	-

Sample Train Leak Checks (e.g., pre-test, at each port change, post-test)

Port / AWFCO		Volume (ft^3) Start	Volume (ft^3) Stop	Time (sec.)	Vacuum (in Hg)	Leak Rate (cfm)
Port:	Before	—	—	60	15	0.001
	After	—	—	—	—	—
Port:	Before	—	—	—	—	—
	After	—	—	60	18	0.001

Comments:

Notes: Test Location Schematic is presented separately. Document additional leak checks here or on a separate sheet.

Checked By: _____ 11/3/22 (Project Manager or QA Manager - sign and date)

NA = Not Applicable

TRC ISOKINETIC FIELD DATA SHEET (Continued) Method: 5 & 29

Project No.	491281.0000.0000	Date	9/20/22
Client	Georgia Power	Operator Name	
Facility	McIntosh Power Plant		
Source	Unit 1	Condition	Max
Sampling Location	Stack	Run No.	01-7

	Traverse Point	Time: Clock (24 hr)	Time: Elapsed (min)	DGM Volume (ft^3)	Pitot ΔP (in. H_2O)	Orifice, ΔH: Desired (in. H_2O)	Orifice, ΔH: Actual (in. H_2O)	Temperature (°F): Stack Flue Gas	Probe	Filter Exit	Impingers Exit	DGM Meter In	DGM Meter Out		Pump Vacuum (in. Hg)
B	1	14:46	96	602.174	3.8	3.65	3.70	970	>900	243	67	80	80		8.0
	—	14:50	100	606.42	3.8	3.65	3.70	970		243	67	80	80		8.0
	2	14:54	104	610.81	4.0	3.85	3.90	966		249	64	77	77		8.0
	14:58	~~14:59~~	108	615.29	4.0	3.85	3.90	966		249	64	77	77		8.0
	15:02	~~15:03~~	112	619.66	3.7	3.56	3.60	961		231	64	77	77		6.0
	15:06	~~15~~	116	624.20	3.70	3.56	3.60	961		231	64	77	77		6.0
	4	15:10	120	628.36	4.10	3.94	3.90	960		240	64	77	77		9.0
	—	15:14	124	632.68	4.10	3.94	3.90	960		240	64	77	77		9.0
	5	15:18	128	637.19	4.0	3.85	3.90	954		237	64	78	78		9.0
	—	15:22	132	641.63	4.0	3.85	3.90	954		237	64	78	78		9.0
	6	15:26	136	645.98	3.6	3.46	3.50	949		238	64	78	78		8.5
	—	15:30	140	650.03	3.6	3.46	3.50	949		238	64	78	78		8.5
	End	15:34	140	654.361	-	-	-	-	-	-	-	-	-	-	-
C	1 15	~~16~~:43	144	654.361	4.7	4.52	4.50	960		244	64	78	78		10.5
	15	~~16~~:47	148	659.04	4.7	4.52	4.50	960		244	64	78	78		10.5
	2 15	~~16~~:51	152	663.69	4.5	4.33	4.30	977		250	64	79	79		11.0
	15	~~16~~:55	156	668.34	4.5	4.33	4.30	977		250	64	79	79		11.0
	3 15	~~16~~:59	160	672.96	4.5	4.33	4.30	979		252	64	78	78		11.0
	16	~~17~~:03	164	677.58	4.5	4.33	4.30	979		252	64	78	78		11.0
	4 16	~~17~~:07	168	682.22	4.6	4.42	4.40	976		255	65	79	79		11.0
	16	~~17~~:11	172	686.91	4.6	4.42	4.40	976		255	65	79	79		11.0
	5 16	~~17~~:15	176	689.26	4.5	4.33	4.30	978		250	66	79	79		11.0
	16	~~17~~:19	180	696.19	4.5	4.33	4.30	978		250	66	79	79		11.0
	6 16	~~17~~:23	184	700.83	3.8	3.65	3.70	975		243	67	79	79		9.5
	16	~~17~~:27	188	705.15	3.8	3.65	3.70	975		243	67	79	79		9.5
	End 16	~~17~~:31	192	710.043	-	-	-	-	-	-	-	-	-	-	-

Sample Train Leak Checks (e.g., pre-test, at each port change, post-test)

Port / AWFCO		Volume (ft^3) Start	Volume (ft^3) Stop	Time (sec.)	Vacuum (in Hg)	Leak Rate (cfm)
Port:	Before					
	After					
Port:	Before					
	After					
Port:	Before					
	After					

Comments:

Checked By: _____ 11/3/22 (Project Manager or QA Manager - sign and date)

NA = Not Applicable

SAMPLING TRAIN SET UP AND RECOVERY

Page of

Project No.	491281.0000.0000	Reagent Type	See UNIT 1 - GAS Page 1 (10% H_2SO_4) 091522-A WM 9/19/22
Client	Georgia Power	Lot No.	
Facility	McIntosh Power Plant		
Source	UNIT 1		
Condition	MAX - Fuel OIL (FO)		

Daily Field Balance Calibration Verification Check:

Documention found in Logbook: [ ]

Documentation found on field balance check data sheet from AM-EMT-52: [X]

Run No. 1

Train Type: 5 / 29

Sample ID: UNIT 1 - OIL - 5/29 - R1

FRONT HALF

Filter No.: 513239

Thimble No. (NA, unless noted): —

IMPINGERS

Impinger No.	#1	#2	#3	#4	#5	#6
Reagent	Empty	5% HNO_3 / 10% H_2O_2		Empty	4% $KMnO_4$ / 10% H_2SO_4	
Vol. Added (ml)	---	100	100	---	100	100
Final Weight (g)	953.2	813.9	772.5	691.7	771.3	754.3
Initial Weight (g)	645.2	762.6	766.2	690.0	773.8	754.4
Net Collected (g)	308.0	51.3	6.3	1.7	-2.5	-0.1

Setup	
Date	Person
9/16/22*	WM

Recovery	
Date	Person
9/17/22	WM

Silica Gel Imp. No.	#7
Final Weight (g)	972.5
Initial Weight (g)	940.3
Net Collected (g)	32.2

TOTAL MOISTURE (Impingers and Silica gel) (g): 396.9

Run No. 2

Train Type: 5 / 29

Sample ID: UNIT 1 - FO - 5/29 - R2

FRONT HALF

Filter No.: 513235

Thimble No. (NA, unless noted): —

IMPINGERS

Impinger No.	#1	#2	#3	#4	#5	#6
Reagent	Empty	5% HNO_3 / 10% H_2O_2		Empty	4% $KMnO_4$ / 10% H_2SO_4	
Vol. Added (ml)	---	100	100	---	100	100
Final Weight (g)	923.7 WM 9/19/22	838.6	764.9	652.9	766.7	752.4
Initial Weight (g)	649.5	751.1	754.1	650.0	764.9	751.5
Net Collected (g)	274.4	87.5	10.8	2.9	1.8	0.9

Setup	
Date	Person
9/17/22	WM

Recovery	
Date	Person
9/17/22	WM

Silica Gel Imp. No.	#7
Final Weight (g)	1019.1
Initial Weight (g)	981.9
Net Collected (g)	37.2

TOTAL MOISTURE (Impingers and Silica gel) (g): 415.5

Run No. 3

Train Type: 5 / 29

Sample ID: UNIT 1 - FO - 5/29 - R3

FRONT HALF

Filter No.: 513236

Thimble No. (NA, unless noted): —

IMPINGERS

Impinger No.	#1	#2	#3	#4	#5	#6
Reagent	Empty	5% HNO_3 / 10% H_2O_2		Empty	4% $KMnO_4$ / 10% H_2SO_4	
Vol. Added (ml)	---	100	100	---	100	100
Final Weight (g)	940.6	848.4	778.2	692.9 ~~690.2~~	775.3	752.7
Initial Weight (g)	645.1	763.5	765.9	~~766.5~~ WM 9/19/22	776.5	~~754.1~~
Net Collected (g)	295.5	84.9	12.3	2.7	-1.2	-1.4

Setup	
Date	Person
9/19/22	WM

Recovery	
Date	Person
9/19/22	WM

Silica Gel Imp. No.	#7
Final Weight (g)	991.3
Initial Weight (g)	956.1
Net Collected (g)	35.2

TOTAL MOISTURE (Impingers and Silica gel) (g): 428.0

* except for 4% KMnO4 / 10% H2SO4 recorded daily.

NA = Not Applicable

Checked By: 11/3/22 (sign and date)

SAMPLING TRAIN SET UP AND RECOVERY

Page of

Project No.	491281.0000.0000	Reagent Type	See UNIT 1 - Gas
Client	Georgia Power	Lot No.	
Facility	McIntosh Power Plant		
Source	UNIT 1		
Condition	Max - FO		

Daily Field Balance Calibration Verification Check:

Documention found in Logbook: [ ]

Documentation found on field balance check data sheet from AM-EMT-52: [X]

Run No. 4

Train Type 5 / 29

Sample ID UNIT 1 - FO - 5/29 - R4

FRONT HALF

Filter No. 513238

Thimble No. (NA, unless noted) —

IMPINGERS

Impinger No.	#1	#2	#3	#4	#5	#6
Reagent	Empty	5% HNO_3 / 10% H_2O_2		Empty	4% $KMnO_4$ / 10% H_2SO_4	
Vol. Added (ml)	---	100	100	---	100	100
Final Weight (g)	938.70 vm 9/19/22	825.6	760.9	653.1	762.8	751.7
Initial Weight (g)	649.4	750.4	752.7	650.6	764.2	751.0
Net Collected (g)	288.6	~~75~~ 75.2 vm 9/19/22	8.2	2.5	-1.4	0.7

Setup	
Date	Person
9/19/22	WM

Recovery	
Date	Person
9/19/22	WM

Silica Gel Imp. No.	#7
Final Weight (g)	1018.7
Initial Weight (g)	986.2
Net Collected (g)	32.5

TOTAL MOISTURE (Impingers and Silica gel) (g): 406.3

Run No. 5

Train Type 5 / 29

Sample ID UNIT 1 - FO - 5/29 - R5

FRONT HALF

Filter No. 513237

Thimble No. (NA, unless noted) —

IMPINGERS

Impinger No.	#1	#2	#3	#4	#5	#6
Reagent	Empty	5% HNO_3 / 10% H_2O_2		Empty	4% $KMnO_4$ / 10% H_2SO_4	
Vol. Added (ml)	---	100	100	---	100	100
Final Weight (g)	917.3	858.4	776.9	692.7	756.0	775.2
Initial Weight (g)	645.0	763.7	766.4	690.2	755.7	775.2
Net Collected (g)	272.3	94.7	~~10.9~~ 10.5 vm	2.5	0.3	0.0

Setup	
Date	Person
9/19/22	WM

Recovery	
Date	Person
9/19/22	WM

Silica Gel Imp. No.	#7
Final Weight (g)	987.3
Initial Weight (g)	953.4
Net Collected (g)	33.9

TOTAL MOISTURE (Impingers and Silica gel) (g): 414.7 vm 9/19/2022

Run No. 6

Train Type 5 / 29

Sample ID UNIT 1 - FO - 5/29 - R6

FRONT HALF

Filter No. 513227

Thimble No. (NA, unless noted) —

IMPINGERS

Impinger No.	#1	#2	#3	#4	#5	#6
Reagent	Empty	5% HNO_3 / 10% H_2O_2		Empty	4% $KMnO_4$ / 10% H_2SO_4	
Vol. Added (ml)	---	100	100	---	100	100
Final Weight (g)	910.3	860.7	761.5	650.7	746.9	763.5
Initial Weight (g)	648.9	750.2	752.6	650.1	748.6	765.0
Net Collected (g)	261.4	110.5	8.9	0.6	-1.7	-1.5

Setup	
Date	Person
9/19/22*	WM

Recovery	
Date	Person
9/20/22	WM

Silica Gel Imp. No.	#7
Final Weight (g)	1025.2
Initial Weight (g)	987.9
Net Collected (g)	37.3

TOTAL MOISTURE (Impingers and Silica gel) (g): 415.5

* Except for 4% $KMnO_4$/10% H_2SO_4 prepared DAILY.

NA = Not Applicable

Checked By: [signature] 11/3/22 (sign and date)

SAMPLING TRAIN SET UP AND RECOVERY

Page of

Project No.	491281.0000.0000	Reagent Type	See UNIT 1 - NA PAGE 1
Client	Georgia Power	Lot No.	
Facility	McIntosh Power Plant		
Source	UNIT 1		
Condition	MAX - FO		

Daily Field Balance Calibration Verification Check:

Documention found in Logbook:

Documentation found on field balance check data sheet from AM-EMT-52: X

Run No. 7

Train Type 5 / 29

Sample ID UNIT 1 - FO - 5/29 - R7

FRONT HALF

Filter No. 513228

Thimble No. (NA, unless noted)

IMPINGERS

Impinger No.	#1	#2	#3	#4	#5	#6
Reagent	Empty	5% HNO_3 / 10% H_2O_2		Empty	4% $KMnO_4$ / 10% H_2SO_4	
Vol. Added (ml)	---	100	100	---	100	100
Final Weight (g)	934.8	849.2	774.0	691.5	773.9	756.3
Initial Weight (g)	645.7	761.2	766.0	690.7	775.5	756.1
Net Collected (g)	289.1	88.0	8.0	0.8	-1.6	0.2

Setup	
Date	Person
9/20/22	WM

Recovery	
Date	Person
9/20/22	WM

Silica Gel Imp. No.	#7
Final Weight (g)	985.0
Initial Weight (g)	949.9
Net Collected (g)	35.1

TOTAL MOISTURE (Impingers and Silica gel) (g)

~~379.6~~ 419.6 WM 9/20/22

Run No. —

Train Type 5 / 29

Sample ID —

FRONT HALF

Filter No.

Thimble No. (NA, unless noted)

IMPINGERS

Impinger No.	#1	#2	#3	#4	#5	#6
Reagent	Empty	5% HNO_3 / 10% H_2O_2		Empty	4% $KMnO_4$ / 10% H_2SO_4	
Vol. Added (ml)	---	100	100	---	100	100
Final Weight (g)						
Initial Weight (g)						
Net Collected (g)						

Setup	
Date	Person

Recovery	
Date	Person

Silica Gel Imp. No.	#7
Final Weight (g)	
Initial Weight (g)	
Net Collected (g)	

TOTAL MOISTURE (Impingers and Silica gel) (g)

Run No. —

Train Type 5 / 29

Sample ID —

FRONT HALF

Filter No.

Thimble No. (NA, unless noted)

IMPINGERS

Impinger No.	#1	#2	#3	#4	#5	#6
Reagent	Empty	5% HNO_3 / 10% H_2O_2		Empty	4% $KMnO_4$ / 10% H_2SO_4	
Vol. Added (ml)	---	100	100	---	100	100
Final Weight (g)						
Initial Weight (g)						
Net Collected (g)						

Setup	
Date	Person

Recovery	
Date	Person

Silica Gel Imp. No.	#7
Final Weight (g)	
Initial Weight (g)	
Net Collected (g)	

TOTAL MOISTURE (Impingers and Silica gel) (g)

Checked By: 11/3/22 (sign and date)

NA = Not Applicable

TRC ISOKINETIC FIELD DATA SHEET Method: 5 & 29

Project No. 491281.0000.0000			Date 9/2/22
Client Georgia Power			Operator Name AL
Facility McIntosh Power Plant	Stack Diameter (in.) 186		Barometer ID 14900524
Source Unit #2	Condition Max		Barometric Pressure (in. Hg) 29.90
Sampling Location Stack	Run No. Ng-1		Static Pressure (in. H_2O) -1.70 -1.70

Assumed Moisture (%)	Ambient Temp. (°F)	Filter No.	Probe Liner Material	Probe Setting (°F)	Probe Length (ft)	Post-Test Positive Orifice/Meter Leak Check Pass?	Nozzle ID No.
11.0		513229	Quartz	248	8	X Y ___N	gpg-13
K Factor 0.998							

Pitot Tube				DGM - Meter Box				
Pitot Pre-test: Pass?	+ X Y ___N - X Y ___N	ID No.	PTCF or Cp	Console No.	Meter No.	ΔH @	DGMCF or Y	Diameter (in.)
Pitot Post-test: Pass?	+ X Y ___N - X Y ___N	PT-8A	0.827	—	E13	1.739	0.9941	0.233

	Time			Pitot	Orifice, ΔH		Temperature (°F)						Pump
Traverse Point	Clock (24 hr)	Elapsed (min)	DGM Volume (ft^3)	ΔP (in. H_2O)	Desired (in. H_2O)	Actual (in. H_2O)	Stack Flue Gas	Probe	Filter Exit	Impingers Exit	DGM Meter In	DGM Meter Out	Vacuum (in. Hg)
B 1	8:57	0	711.054	3.9	3.89	3.90	941	>900	248	67	70	70	7.0
	9:01	4	715.55	3.9	3.89	3.90	941		248	67	70	70	7.0
2	9:05	8	719.92	3.5	3.49	3.50	947		240	65	70	70	6.5
	9:09	12	724.06	3.5	3.49	3.50	947		240	65	70	70	6.5
3	9:13	16	728.23	3.5	3.49	3.50	947		240	65	70	70	6.5
	9:17	20	732.18	3.2	3.19	3.20	939		243	62	70	70	6.0
4	9:21	24	736.18	3.25	3.49	3.50	939		243	62	70	70	6.0
	9:25	28	740.36	3.5	3.49	3.50	939		243	62	70	70	6.0
5	9:29	32	744.68	3.9	3.89	3.90	931		240	62	72	72	7.5
	9:33	36	748.93	3.9	3.89	3.90	931		240	62	72	72	7.5
6	9:37	40	753.42	3.5	3.49	3.50	923		238	63	74	74	7.0
	9:41	44	757.58	3.5	3.49	3.50	923		238	63	74	74	7.0
End	9:45	48	761.814	-	-	-	-	-	-	-	-	-	-
C 1	10:00	48	761.814	4.3	4.249	4.30	952		240	64	74	74	9.5
	10:04	52	766.44	4.3	4.29	4.30	952		240	64	74	74	9.5
2	10:08	56	771.06	4.8	4.79	4.80	930		250	56	74	74	10.0
	10:12	60	776.93	4.8	4.79	4.80	930		250	56	74	74	10.0
3	10:16	64	780.68	4.8	4.79	4.80	947		249	60	74	74	11.0
	10:20	68	785.56	4.8	4.79	4.80	947		249	60	74	74	11.0
4	10:24	72	790.41	4.9	4.89	4.90	943		250	62	75	75	11.0
	10:28	76	795.37	4.9	4.89	4.90	943		250	62	75	75	11.0
5	10:32	80	800.22	4.7	4.69	4.70	937		247	64	75	75	11.0
	10:36	84	805.65	4.7	4.69	4.70	937		247	64	75	75	11.0
6	10:40	88	809.88	4.0	3.99	4.0	931		240	65	76	76	9.0
	10:44	92	814.43	4.0	3.99	4.0	931		240	65	76	76	9.0
End	10:48	96	818.955	-	-	-	-	-	-	-	-	-	-

Sample Train Leak Checks (e.g., pre-test, at each port change, post-test)

Port / AWFCO		Volume (ft^3) Start	Volume (ft^3) Stop	Time (sec.)	Vacuum (in Hg)	Leak Rate (cfm)
Port:	Before	—	—	60	15	0.001
	After	—	—	—	—	—
Port:	Before	—	—	—	—	—
	After	—	—	60	17	0.001

Comments:

Notes: Test Location Schematic is presented separately. additional leak checks here or on a separate sheet.

Document

Checked By: _____ 11/3/22 (Project Manager or QA Manager - sign and date)

NA = Not Applicable

TRC ISOKINETIC FIELD DATA SHEET (Continued)

Method: 5 & 29

Project No.	491281.0000.0000	Date	9/21/22
Client	Georgia Power	Operator Name	AK
Facility	McIntosh Power Plant		
Source	Unit #2	Condition	Max
Sampling Location	Stack	Run No.	NG-1

	Traverse Point	Time: Clock (24 hr)	Time: Elapsed (min)	DGM Volume (ft^3)	Pitot ΔP (in. H_2O)	Orifice, ΔH: Desired (in. H_2O)	Orifice, ΔH: Actual (in. H_2O)	Temperature (°F): Stack Flue Gas	Temperature (°F): Probe	Temperature (°F): Filter Exit	Temperature (°F): Impingers Exit	Temperature (°F): DGM Meter In	Temperature (°F): DGM Meter Out		Pump Vacuum (in. Hg)
D	1	10:57	96	818.955	2.9	2.89	2.90	971	290	248	67	76	76		6.0
		11:01	100	822.84	2.9	2.89	2.90	971		240	67	76	76		6.0
	2	11:05	104	826.65	2.0	1.99	2.0	973		239	55	76	76		6.0
		11:09	108	829.91	2.0	1.99	2.0	973		239	55	76	76		6.0
	3	11:13	112	833.12	1.7	1.69	1.70	972		230	56	76	76		5.0
		11:17	116	836.07	1.70	1.69	1.70	972		230	56	76	76		5.0
	4	11:21	120	839.06	1.8	1.79	1.80	970		235	57	77	77		5.0
		11:25	124	842.12	1.80	1.79	1.80	970		235	57	77	77		5.0
	5	11:29	128	845.38	2.3	2.29	2.30	964		230	58	77	77		6.0
		11:33	132	848.47	2.3	2.29	2.30	964		230	58	77	77		6.0
	6	11:37	136	851.87	2.0	1.99	2.0	949		240	59	78	78		5.5
		11:41	140	855.06	2.0	1.99	2.0	949		240	59	78	78		5.5
	End	11:45	140	858.265	-	-	-	-	-	-	-	-	-	-	-
A	1	11:51	144	858.265	2.1	2.09	2.10	950		248	60	79	79		5.0
		11:55	148	861.46	2.1	2.09	2.10	950		248	60	79	79		5.0
	2	11:59	152	864.63	1.0	0.99	0.99	977		232	56	78	78		4.0
		12:03	156	867.01	1.0	0.99	0.99	977		232	56	78	78		4.0
	3	12:07	160	869.28	0.77	0.76	0.76	978		240	60	78	78		3.5
		12:11	164	871.28	0.77	0.76	0.76	978		240	60	78	78		3.5
	4	12:15	168	873.29	0.58	0.57	0.57	976		231	61	79	79		3.0
		12:19	172	875.03	0.58	0.57	0.57	976		231	61	79	79		3.0
	5	12:23	176	876.77	0.42	0.41	0.41	976		240	63	78	78		2.0
		12:27	180	878.27	0.42	0.41	0.41	976		240	63	78	78		2.0
	6	12:31	184	879.79	0.30	.29	0.29	969		241	64	79	79		1.0
		12:35	188	881.05	0.30	0.29	0.29	969		241	64	79	79		1.0
	End	12:39	192	884.656	-	-	-	-	-	-	-	-	-	-	-

Sample Train Leak Checks (e.g., pre-test, at each port change, post-test)

Port / AWFCO		Volume (ft^3) Start	Volume (ft^3) Stop	Time (sec.)	Vacuum (in Hg)	Leak Rate (cfm)
Port:	Before					
	After					
Port:	Before					
	After					
Port:	Before					
	After					

Comments:

Checked By: _____ 11/3/22 (Project Manager or QA Manager - sign and date)

NA = Not Applicable

TRC ISOKINETIC FIELD DATA SHEET Method: 5 & 29

Project No.	491281.0000.0000	Date	9/21/22
Client	Georgia Power	Operator Name	AK
Facility	McIntosh Power Plant	Stack Diameter (in.) 186	Barometer ID 14900524
Source	Unit #2	Condition Max	Barometric Pressure (in. Hg) 29.90
Sampling Location	Stack	Run No. NG-2	Static Pressure (in. H_2O) -1.72 -1.70

Assumed Moisture (%)	Ambient Temp. (°F)	Filter No.	Probe Liner Material	Probe Setting (°F)	Probe Length (ft)	Post-Test Positive Orifice/Meter Leak Check Pass?	Nozzle ID No.
11.0		513230	Quartz	248	8	___ Y ___ N	GPQ-4
K Factor	0.998 0.980						

Pitot Tube				DGM - Meter Box				
Pitot Pre-test: Pass?	+ ✓ Y ___ N - ___ Y ___ N	ID No.	PTCF or Cp	Console No.	Meter No.	ΔH @	DGMCF or Y	Diameter (in.)
Pitot Post-test: Pass?	+ ✓ Y ___ N - ___ Y ___ N	PT-8B	0.825	—	M16	1.899	1.8105	0.233

	Time			Pitot	Orifice, ΔH		Temperature (°F)							
Traverse Point	Clock (24 hr)	Elapsed (min)	DGM Volume (ft^3)	ΔP (in. H_2O)	Desired (in. H_2O)	Actual (in. H_2O)	Stack Flue Gas	Probe	Filter Exit	Impingers Exit	DGM Meter In	DGM Meter Out		Pump Vacuum (in. Hg)
B 1	12:43	0	458.240	3.8	3.79	3.80	975	>900	248	67	68	68		10.0
	12:47	4	462.22	3.8	3.79	3.80	975		248	67	68	68		10.0
2	12:51	8	466.27	3.5	3.49	3.50	975		240	66	72	68		11.0
	12:55	12	470.33	3.5	3.49	3.50	975		240	66	72	68		11.0
3	12:59	16	474.31	3.2	3.19	3.20	969		250	66	76	69		9.5
	13:03	20	478.11	3.2	3.19	3.20	969		250	66	76	69		9.5
4	13:07	24	481.87	3.4	3.39	3.40	963		254	65	79	70		10.0
	13:11	28	485.66	3.4	3.39	3.40	963		254	65	79	70		10.0
5	13:15	32	489.52	3.5	3.49	3.50	961		258	65	80	71		11.0
	13:19	36	493.41	3.5	3.49	3.50	961		258	65	80	71		11.0
6	13:23	40	497.39	3.4	3.39	3.40	956		255	64	81	72		10.5
	13:27	44	501.15	3.40	3.39	3.40	956		255	64	81	72		10.5
End	13:31	48	504.985	-	-	-	-	-	-	-	-	-	-	-
C 1	13:41	48	504.985	3.6	3.59	3.60	950		248	64	73	72		12.0
	13:45	52	509.06	3.6	3.59	3.60	950		253	64	73	72		12.0
2	13:49	56	513.82	4.0	3.92	3.90	976		255	63	77	72		13.0
	13:53	60	516.89	4.0	3.92	3.90	976		255	63	77	72		13.0
3	13:57	64	521.03	4.3	4.21	4.20	972		258	65	78	72		15.0
	14:01	68	525.34	4.3	4.21	4.20	972		258	65	78	72		15.0
4	14:05	72	529.62	4.4	4.31	4.30	967		260	66	78	73		15.5
	14:09	76	534.77	4.4	4.31	4.30	967		260	66	78	73		15.5
5	14:13	80	538.27	4.3	4.21	4.20	957		259	64	78	73		15.5
	14:17	84	542.64	4.3	4.21	4.20	957		259	64	78	72		15.5
6	14:21	88	547.01	4.0	3.92	3.90	955		256	65	78	73		13.5
	14:25	92	551.14	4.0	3.92	3.90	955		256	65	78	73		13.5
End	14:29	96	555.264	-	-	-	-	-	-	-	-	-	-	-

Sample Train Leak Checks (e.g., pre-test, at each port change, post-test)

Port / AWFCO		Volume (ft^3) Start	Volume (ft^3) Stop	Time (sec.)	Vacuum (in Hg)	Leak Rate (cfm)
Port:	Before	—	—	60	15	0.001
	After	—	—	—	—	—
Port:	Before	—	—	—	—	—
	After	—	—	60	18	0.001

Comments:
Adjusted K factor @ Point 2 Port C
From 0.998 → 0.980

Notes: Test Location Schematic is presented separately. additional leak checks here or on a separate sheet. Document

Checked By: _____ 11/3/22 (Project Manager or QA Manager - sign and date)

NA = Not Applicable

TRC ISOKINETIC FIELD DATA SHEET (Continued)

Method: 5 & 29

Project No.	491281.0000.0000	Date	9/21/22
Client	Georgia Power	Operator Name	AF
Facility	McIntosh Power Plant		
Source	Unit #2	Condition	Max
Sampling Location	Stack	Run No.	NG-2

Traverse Point	Time: Clock (24 hr)	Time: Elapsed (min)	DGM Volume (ft^3)	Pitot ΔP (in. H_2O)	Orifice, ΔH: Desired (in. H_2O)	Orifice, ΔH: Actual (in. H_2O)	Temperature (°F): Stack Flue Gas	Probe	Filter Exit	Impingers Exit	DGM Meter In	DGM Meter Out		Pump Vacuum (in. Hg)
1	14:38	96	552.264	2.2	2.15	2.20	984	8>900	257	67	73	72		7.5
	14:42	100	558.38	2.2	2.15	2.20	984		257	67	73	72		7.5
2	14:46	104	561.53	1.8	1.76	1.80	992		253	66	76	72		7.0
	14:50	108	564.48	1.8	1.76	1.80	992		253	66	76	72		7.0
3	14:54	112	567.32	1.5	1.47	1.50	983		260	65	78	73		6.0
	14:58	116	569.91	1.5	1.47	1.50	983		260	65	78	73		6.0
4	15:02	120	572.52	1.7	1.66	1.70	982		242	66	79	72		6.5
	15:06	124	575.21	1.70	1.66	1.70	982		242	66	79	72		6.5
5	15:10	128	578.01	2.1	2.05	2.1	983		240	66	80	73		7.5
	15:14	132	580.97	2.1	2.05	2.1	983		240	66	80	73		7.5
6	15:18	136	584.07	2.3	2.25	2.30	977		237	65	81	73		8.5
	15:22	140	587.31	2.3	2.25	2.30	977		237	65	81	73		8.5
End	15:26	140	590.585	-	-	-	-		-	-	-	-	-	-
1	15:42	144	590.585	2.0	1.96	2.0	970		248	67	73	73		7.0
	15:46	148	593.66	2.0	1.96	2.0	970		248	67	73	73		7.0
2	15:50	152	596.56	1.3	1.27	1.30	988		250	67	76	75		6.0
	15:54	156	599.22	1.3	1.27	1.30	988		250	67	76	75		6.0
3	15:58	160	601.67	0.8	0.78	0.80	986		255	66	78	74		4.0
	16:02	164	603.65	0.80	0.78	0.80	986		255	66	78	74		4.0
4	16:06	168	605.71	0.55	0.53	0.53	984		256	67	78	73		3.0
	16:10	172	608.12	0.55	0.53	0.53	984		256	67	78	73		3.0
5	16:14	176	611.03	0.43	.42	0.42	981		253	66	79	73		3.0
	16:18	180	612.53	0.43	0.42	0.42	981		253	66	79	73		3.0
6	16:22	184	613.97	0.34	0.33	0.33	976		250	64	76	73		2.0
	16:26	188	615.27	0.34	0.33	0.33	976		250	64	76	73		2.0
End	16:30	192	616.960	-	-	-	-		-	-	-	-	-	-

Sample Train Leak Checks (e.g., pre-test, at each port change, post-test)

Port / AWFCO		Volume (ft^3) Start	Volume (ft^3) Stop	Time (sec.)	Vacuum (in Hg)	Leak Rate (cfm)
Port:	Before					
	After					
Port:	Before					
	After					
Port:	Before					
	After					

Comments:

Checked By: _____ 11/3/22 (Project Manager or QA Manager - sign and date)

NA = Not Applicable

TRC ISOKINETIC FIELD DATA SHEET Method: 5 & 29

Project No.	491281.0000.0000	Date	9/22/2022
Client	Georgia Power	Operator Name	ML
Facility	McIntosh Power Plant	Stack Diameter (in.)	186
Source	Unit #2	Condition	Max
Sampling Location	Stack	Run No.	NG-3
Barometer ID	14900524	Barometric Pressure (in. Hg)	29.8
Static Pressure (in. H_2O)	-1.70		

Assumed Moisture (%) 11.0	Ambient Temp. (°F) 70	Filter No. 513259 513232 ML	Probe Liner Material: Quartz	Probe Setting (°F): 248	Probe Length (ft): 8	Post-Test Positive Orifice/Meter Leak Check Pass? ___Y ___N	Nozzle ID No. GPQ-4
K Factor 0.98							

Pitot Tube			DGM - Meter Box				
Pitot Pre-test: Pass? + ✓Y − ✓Y	ID No. RPI-8B	PTCF or Cp 0.825	Console No.	Meter No. E13	ΔH @ 1.739	DGMCF or Y 0.9941	Diameter (in.) 0.233
Pitot Post-test: Pass? + ✓Y ___N − ✓Y ___N							

Traverse Point	Time: Clock (24 hr)	Time: Elapsed (min)	DGM Volume (ft^3)	Pitot ΔP (in. H_2O)	Orifice, ΔH: Desired (in. H_2O)	Orifice, ΔH: Actual (in. H_2O)	Temperature (°F): Stack Flue Gas	Temperature (°F): Probe	Temperature (°F): Filter Exit	Temperature (°F): Impingers Exit	Temperature (°F): DGM Meter In	Temperature (°F): DGM Meter Out		Pump Vacuum (in. Hg)
B 1	7:56	0	886.902	4.4	4.31	4.3	937	>900	247	65	70	70		12.5
–	8:00	4	891.30	4.4	4.31	4.3	937		247	65	70	70		12.5
2	8:04	8	895.98	3.7	3.62	3.6	939		252	59	70	70		11.0
–	8:08	12	900.17	3.7	3.62	3.6	939		252	59	70	70		11.0
3	8:12	16	904.33	3.2	3.13	3.1	937		242	60	72	72		9.5
–	8:16	20	908.37	3.2	3.13	3.1	937		242	60	72	72		9.5
4	8:20	24	912.32	3.4	3.33	3.3	939		248	60	72	72		10.0
–	8:24	28	916.55	3.4	3.33	3.3	939		248	60	72	72		10.0
5	8:28	32	920.30	3.7	3.62	3.6	929		239	58	73	73		11.0
–	8:32	36	924.59	3.7	3.62	3.6	929		239	58	73	73		11.0
6	8:36	40	928.70	3.4	3.33	3.3	927		238	61	73	73		10.0
–	8:40	44	932.89	3.4	3.33	3.3	927		238	61	73	73		10.0
C End	8:44	48	936.834	-	-	-	-	-	-	-	-	-	-	-
1	8:50	48	936.834	3.4	3.33	3.3	948		245	64	73	73		11.0
–	8:54	52	941.15	3.4	3.33	3.3	948		245	64	73	73		11.0
2	8:58	56	945.41	4.3	4.21	4.2	948		251	65	74	74		13.0
–	9:02	60	949.90	4.3	4.21	4.2	948		251	65	74	74		13.0
3	9:06	64	954.55	4.4	4.31	4.3	942		244	59	74	74		13.5
–	9:10	68	959.14	4.4	4.31	4.3	942		244	59	74	74		13.5
4	9:14	72	963.666	4.5	4.41	4.4	946		247	58	74	74		13.5
–	9:18	76	968.39	4.5	4.41	4.4	946		247	58	74	74		13.5
5	9:22	80	973.06	4.4	4.31	4.3	941		244	59	74	74		13.5
–	9:26	84	977.68	4.4	4.31	4.3	941		244	59	74	74		13.5
6	9:30	88	982.32	3.8	3.72	3.7	932		242	60	75	75		11.5
–	9:34	92	986.74	3.8	3.72	3.7	932		242	60	75	75		11.5
End	9:38	96	990.822	-	-	-	-	-	-	-	-	-	-	-

Sample Train Leak Checks (e.g., pre-test, at each port change, post-test)

Port / AWFCO		Volume (ft^3) Start	Volume (ft^3) Stop	Time (sec.)	Vacuum (in Hg)	Leak Rate (cfm)
Port:	Before	–	–	60	12	.01
	After					
Port:	Before					
	After					

Comments:

Notes: Test Location Schematic is presented separately. additional leak checks here or on a separate sheet.

Document

Checked By: _____ 11/3/22 (Project Manager or QA Manager - sign and date)

NA = Not Applicable

TRC ISOKINETIC FIELD DATA SHEET (Continued) Method: 5 & 29

Project No.	491281.0000.0000	Date	9/22/2022
Client	Georgia Power	Operator Name	ML
Facility	McIntosh Power Plant		
Source	Unit #2	Condition	Max
Sampling Location	Stack	Run No.	NG-3

Traverse Point	Time: Clock (24 hr)	Time: Elapsed (min)	DGM Volume (ft^3)	Pitot ΔP (in. H_2O)	Orifice, ΔH: Desired (in. H_2O)	Orifice, ΔH: Actual (in. H_2O)	Temperature (°F): Stack Flue Gas	Probe	Filter Exit	Impingers Exit	DGM Meter In	DGM Meter Out		Pump Vacuum (in. Hg)
D 1	9:45	96	990.822	2.1	2.05	2.1	968	>900	258	59	76	76		7.0
—	9:49	100	994.13	2.1	2.05	2.1	968		258	59	76	76		7.0
2	9:53	104	997.45	1.6	1.56	1.6	969		246	60	76	76		6.0
—	9:57	108	1000.31	1.6	1.56	1.6	969		246	60	76	76		6.0
3	10:01	112	1003.16	1.5	1.47	1.5	967		247	57	76	76		5.5
—	10:05	116	1005.89	1.5	1.47	1.5	967		247	57	76	76		5.5
4	10:09	120	1008.63	1.6	1.56	1.6	966		243	58	76	76		6.0
—	10:13	124	1011.44	1.6	1.56	1.6	966		243	58	76	76		6.0
5	10:17	128	1014.31	2.0	1.96	2.0	965		255	58	78	78		7.0
—	10:21	132	1017.48	2.0	1.96	2.0	965		255	58	78	78		7.0
6	10:25	136	1020.68	2.2	2.15	2.2	961		245	59	78	78		7.5
—	10:29	140	1024.06	2.2	2.15	2.2	961		245	59	78	78		7.5
A End	10:33	140	1027.330	-	-	-	-	-	-	-	-	-	-	-
1	10:40	144	1027.330	2.3	2.25	2.3	973		250	ML 56 ~~76~~	78	78		8.0
—	10:44	148	1030.74	2.3	2.25	2.3	973		250	ML 56 ~~76~~	78	78		8.0
2	10:48	152	1034.15	1.3	1.27	1.3	975		252	54	78	78		5.5
—	10:52	156	1036.81	1.3	1.27	1.3	975		252	54	78	78		5.5
3	10:56	160	1039.43	0.76	0.74	0.74	975		240	55	78	78		4.0
—	11:00 ~~10~~ ML	164	1041.42	0.76	0.74	0.74	975		240	55	78	78		4.0
4	11:04	168	1043.31	0.54	0.52	0.52	974		251	60	78	78		3.5
—	11:08	172	1044.95	0.54	0.52	0.52	974		251	60	78	78		3.5
5	11:12	176	1046.76	0.42	0.41	0.41	976		246	62	78	78		3.0
—	11:16	180	1048.26	0.42	0.41	0.41	976		246	62	78	78		3.0
6	11:20	184	1049.67	0.35	0.34	0.34	974		239	65	78	78		3.0
—	11:24	188	1050.95	0.35	0.34	0.34	974		239	65	78	78		3.0
End	11:28	192	1052.242	-	-	-	-	-	-	-	-	-	-	-

Sample Train Leak Checks (e.g., pre-test, at each port change, post-test)

Port / AWFCO		Volume (ft^3) Start	Volume (ft^3) Stop	Time (sec.)	Vacuum (in Hg)	Leak Rate (cfm)
Port:	Before					
	After					
Port:	Before					
	After					
Port:	Before					
	After	—	—	60	ML 15	.01

Comments:

Checked By: _____ 11/3/22 (Project Manager or QA Manager - sign and date)

NA = Not Applicable

TRC ISOKINETIC FIELD DATA SHEET Method: 5 & 29

Project No. 491281.0000.0000			Date 9/22/2022
Client Georgia Power			Operator Name ML
Facility McIntosh Power Plant		Stack Diameter (in.) 186	Barometer ID 14900524
Source Unit #2		Condition Max	Barometric Pressure (in. Hg) 29.75
Sampling Location Stack		Run No. NG-4	Static Pressure (in. H_2O) -1.70

Assumed Moisture (%)	Ambient Temp. (°F)	Filter No.	Probe Liner Material	Probe Setting (°F)	Probe Length (ft)	Post-Test Positive Orifice/Meter Leak Check Pass?	Nozzle ID No.
11.0		513260	Quartz	248	8	___Y ___N	GPQ-3
K Factor 0.98							

Pitot Tube				DGM - Meter Box				
Pitot Pre-test: Pass? + ✓Y ___N - ✓Y ___N	ID No.	PTCF or Cp	Console No.	Meter No.	ΔH @	DGMCF or Y	Diameter (in.)	
Pitot Post-test: Pass? + ✓Y ___N - ___Y ___N	RP18A	0.827	—	M16	1.899	1.0105	0.233	

Traverse Point	Time Clock (24 hr)	Time Elapsed (min)	DGM Volume (ft^3)	Pitot ΔP (in. H_2O)	Orifice, ΔH Desired (in. H_2O)	Orifice, ΔH Actual (in. H_2O)	Temperature (°F) Stack Flue Gas	Probe	Filter Exit	Impingers Exit	DGM Meter In	DGM Meter Out		Pump Vacuum (in. Hg)
B 1	11:30	0	617.149	4.3	4.21	4.2	969	>900	234	67	68	68		11.0
–	11:34	4	621.38	4.3	4.21	4.2	969	7900	234	67	68	68		11.0
2	11:38	8	625.53	4.2	4.11	4.1	971		248	61	71	71		11.0
–	11:42	12	629.76	4.2	4.11	4.1	971		248	61	71	71		11.0
3	11:46	16	633.97	3.6	3.52	3.5	971		249	65	68	68		10.0
–	11:50	20	638.04	3.6	3.52	3.5	971		249	65	68	68		10.0
4	11:54	24	642.07	3.5	3.43	3.4	970		252	64	68	68		9.5
–	11:58	28	645.95	3.5	3.43	3.4	970		252	64	68	68		9.5
5	12:02	32	649.87	3.7	3.62	3.6	972		244	65	68	68		10.0
–	12:06	36	654.21	3.7	3.62	3.6	972		244	65	68	68		10.0
6	12:10	40	657.80	3.7	3.62	3.6	972		249	65	68	68		10.0
–	12:14	44	661.83	3.7	3.62	3.6	972		249	65	68	68		10.0
C End	12:18	48	665.641	-	-	-	-		-	-	-	-	-	-
1	12:27	48	665.641	3.9	3.82	3.8	976		233	66	73	73		10.0
–	12:31	52	670.11	3.9	3.82	3.8	976		233	66	73	73		10.0
2	12:35	56	673.85	4.5	4.41	4.4	974		245	60	76	76		15.5
–	12:39	60	678.97	4.5	4.41	4.4	974		245	60	76	76		15.5
3	12:43	64	682.44	4.6	4.50	4.5	976		243	61	76	76		15.5
–	12:47	68	686.86	4.6	4.50	4.5	976		243	61	76	76		15.5
4	12:51	72	691.29	4.6	4.50	4.5	969		237	62	77	77		15.0
–	12:55	76	696.51	4.6	4.50	4.5	969		237	62	77	77		15.0
5	12:59	80	700.20	4.5	4.41	4.4	963		239	64	78	78		13.5
–	13:03	84	704.75	4.5	4.41	4.4	963		239	64	78	78		13.5
6	13:07	88	709.24	4.1	4.01	4.0	956		241	65	78	78		11.5
–	13:11	92	713.50	4.1	4.01	4.0	956		241	65	78	78		11.5
End	13:15	96	717.610	-	-	-	-		-	-	-	-	-	-

Sample Train Leak Checks (e.g., pre-test, at each port change, post-test)						
Port / AWFCO		Volume (ft^3) Start	Volume (ft^3) Stop	Time (sec.)	Vacuum (in Hg)	Leak Rate (cfm)
Port:	Before	—	—	60	12	.01
	After					
Port:	Before					
	After					

Comments:

Notes: Test Location Schematic is presented separately. Document additional leak checks here or on a separate sheet.

Checked By: _____ 11/3/22 (Project Manager or QA Manager - sign and date)

NA = Not Applicable

TRC ISOKINETIC FIELD DATA SHEET (Continued) Method: 5 & 29

Project No.	491281.0000.0000	Date	9/22/2022
Client	Georgia Power	Operator Name	ML
Facility	McIntosh Power Plant		
Source	Unit #2	Condition	Max
Sampling Location	Stack	Run No.	NG-4

Traverse Point	Time: Clock (24 hr)	Time: Elapsed (min)	DGM Volume (ft^3)	Pitot ΔP (in. H_2O)	Orifice, ΔH: Desired (in. H_2O)	Orifice, ΔH: Actual (in. H_2O)	Temperature (°F): Stack Flue Gas	Probe	Filter Exit	Impingers Exit	DGM Meter In	DGM Meter Out		Pump Vacuum (in. Hg)
D 1	13:23	96	717.610	2.2	2.15	2.2	996	7900	242	66	74	74		7.0
–	13:27	100	720.74	2.2	2.15	2.2	996		242	66	74	74		7.0
2	13:31	104	723.89	1.8	1.76	1.8	993		241	64	76	76		7.0
–	13:35	108	726.79	1.8	1.76	1.8	993		241	64	76	76		7.0
3	13:39	112	729.74	1.5	1.47	1.5	988		243	ML 67 ~~69~~	77	77		5.5
–	13:43	116	732.46	1.5	1.47	1.5	988		243	ML 67 ~~69~~	77	77		5.5
4	13:47	120	735.13	1.6	1.56	1.6	990		252	66	78	78		5.5
–	13:51	124	737.82	1.6	1.56	1.6	990		252	66	78	78		5.5
5	13:55	128	740.53	2.3	2.25	2.3	986		243	60	78	78		7.0
–	13:59	132	743.74	2.3	2.25	2.3	986		243	60	78	78		7.0
6	14:03	136	746.93	2.4	2.35	2.4	982		253	64	79	79		7.0
–	14:07	140	750.24	2.4	2.35	2.4	982		253	64	79	79		7.0
End	14:11	140	753.617	-	-	-	-	-	-	-	-	-	-	-
A 1	14:36	144	753.617	1.7	1.66	1.7	991		258	65	73	73		6.0
–	14:40	148	756.37	1.7	1.66	1.7	991		258	65	73	73		6.0
2	14:44	152	759.16	1.3	1.27	1.3	994		252	65	74	74		5.0
–	14:48	156	761.72	1.3	1.27	1.3	994		252	65	74	74		5.0
3	14:52	160	764.23	0.74	0.72	0.72	992		253	66	76	76		3.5
–	14:56	164	766.12	0.74	0.72	0.72	992		253	66	76	76		3.5
4	15:00	168	767.99	0.48	0.47	0.47	992		249	64	76	76		3.0
–	15:04	172	769.54	0.48	0.47	0.47	992		249	64	76	76		3.0
5	15:08	176	771.05	0.40	0.39	0.39	994		244	64	75	75		3.0
–	15:12	180	772.41	0.40	0.39	0.39	994		244	64	75	75		3.0
6	15:16	184	773.76	0.33	0.32	0.32	988		247	65	75	75		2.5
–	15:20	188	775.19	0.33	0.32	0.32	988		247	65	75	75		2.5
End	15:24	192	776.281	-	-	-	-	-	-	-	-	-	-	-

Sample Train Leak Checks (e.g., pre-test, at each port change, post-test)

Port / AWFCO		Volume (ft^3) Start	Volume (ft^3) Stop	Time (sec.)	Vacuum (in Hg)	Leak Rate (cfm)
Port:	Before			~~60~~	~~22~~	~~.01~~
	After					
Port:	Before					
	After					
Port:	Before					
	After	—	—	60	22	0.001

Comments:

Checked By: _____ 11/3/22 (Project Manager or QA Manager - sign and date)

NA = Not Applicable

TRC ISOKINETIC FIELD DATA SHEET Method: 5 & 29

Project No. 491281.0000.0000			Date 9/22/2022
Client Georgia Power			Operator Name ML
Facility McIntosh Power Plant	Stack Diameter (in.) 186		Barometer ID 14900524
Source Unit #2	Condition Max		Barometric Pressure (in. Hg) 29.75
Sampling Location Stack	Run No. NG-5		Static Pressure (in. H_2O) -1.70

Assumed Moisture (%)	Ambient Temp. (°F)	Filter No.	Probe Liner Material	Probe Setting (°F)	Probe Length (ft)	Post-Test Positive Orifice/Meter Leak Check Pass?	Nozzle ID No.
11.0	98	513257	Quartz	248	8	___Y ___N	GPQ-4

K Factor	Pitot Tube Pre-test: Pass?	Pitot Post-test: Pass?	Pitot Tube ID No.	Pitot Tube PTCF or Cp	DGM - Meter Box Console No.	DGM Meter No.	DGM ΔH @	DGMCF or Y	Nozzle Diameter (in.)
0.98	+/- Y N	+/- Y N	RPI-88	0.825	—	E13	1.739	0.9941	0.233

Traverse Point	Time: Clock (24 hr)	Time: Elapsed (min)	DGM Volume (ft^3)	Pitot ΔP (in. H_2O)	Orifice, ΔH: Desired (in. H_2O)	Orifice, ΔH: Actual (in. H_2O)	Temperature (°F): Stack Flue Gas	Probe	Filter Exit	Impingers Exit	DGM Meter In	DGM Meter Out		Pump Vacuum (in. Hg)
B														
1	15:44	0	52.789	3.4	3.33	3.3	986	>900	250	63	72	72		7.0
-	15:48	4	56.86	3.4	3.33	3.3	986		250	63	72	72		7.0
2	15:52	8	61.08	3.2	3.13	3.1	984		255	64	74	74		7.0
-	15:56	12	64.87	3.2	3.13	3.1	984		255	64	74	74		7.0
3	16:00	16	68.89	3.1	3.03	3.0	978		249	61	76	76		7.0
-	16:04	20	72.91	3.1	3.03	3.0	978		249	61	76	76		7.0
4	16:08	24	76.66	3.2	3.13	3.1	972		258	62	77	77		7.0
-	16:12	28	80.52	3.2	3.13	3.1	972		258	62	77	77		7.0
5	16:16	32	84.67	3.3	3.23	3.2	969		243	62	79	79		7.5
-	16:20	36	88.61	3.3	3.23	3.2	969		243	62	79	79		7.5
6	16:24	40	92.64	3.3	3.23	3.2	969		247	64	78	78		7.5
-	16:28	44	96.66	3.3	3.23	3.2	969		247	64	78	78		7.5
C														
End	1632	48	100.760	-	-	-	-		-	-	-	-	-	-
1	16:38	48	100.760	3.7	3.62	3.6	982		256	65	79	79		8.0
-	16:42	52	104.98	3.7	3.62	3.6	982		256	65	79	79		8.0
2	16:46	56	109.27	3.4	3.33	3.3	983		253	66	80	80		8.0
-	16:50	60	114.51	3.4	3.33	3.3	983		253	66	80	80		8.0
3	16:54	64	118.19	4.0	3.92	3.9	980		254	66	80	80		9.0
-	16:58	68	122.42	4.0	3.92	3.9	980		254	66	80	80		9.0
4	17:02 16 MS	72	126.89	4.2	4.11 MS 4.16	4.1	972		238	65	80	80		9.0
-	17:06	76	131.42	4.2	4.11	4.1	972		238	65	80	80		9.0
5	17:10	80	135.93	4.2	4.11	4.1	966		249	63	80	80		9.0
-	17:14	84	140.53	4.2	4.11	4.1	966		249	63	80	80		9.0
6	17:18	88	144.99	4.0	3.92	3.9	959		243	62	80	80		9.0
-	17:22	92	149.55	4.0	3.92	3.9	959		243	62	80	80		9.0
End	17:26	96	153.981	-	-	-	-		-	-	-	-	-	-

Sample Train Leak Checks (e.g., pre-test, at each port change, post-test)

Port / AWFCO		Volume (ft^3) Start	Volume (ft^3) Stop	Time (sec.)	Vacuum (in Hg)	Leak Rate (cfm)
Port:	Before	—	—	60	16	0.001
	After					
Port:	Before					
	After			60	16	0.001

Comments:

Notes: Test Location Schematic is presented separately. additional leak checks here or on a separate sheet. Document

Checked By: _____ (Project Manager or QA Manager - sign and date) 9/23/2022

NA = Not Applicable

TRC ISOKINETIC FIELD DATA SHEET (Continued)

Method: 5 & 29

Project No. 491281.0000.0000	Date 9/22/2022
Client Georgia Power	Operator Name ML
Facility McIntosh Power Plant	
Source Unit #2	Condition Max
Sampling Location Stack	Run No. NG-5

Traverse Point	Time: Clock (24 hr)	Time: Elapsed (min)	DGM Volume (ft^3)	Pitot ΔP (in. H_2O)	Orifice, ΔH: Desired (in. H_2O)	Orifice, ΔH: Actual (in. H_2O)	Temperature (°F): Stack Flue Gas	Probe	Filter Exit	Impingers Exit	DGM Meter In	DGM Meter Out		Pump Vacuum (in. Hg)
D 1	17:33	96	153.981	2.0	1.96	2.0	991	>900	251	64	79	79		5.5
-	17:37	100	157.22	2.0	1.96	2.0	991		251	64	79	79		5.5
2	17:41	104	160.45	1.7	1.66	1.7	990		256	64	79	79		5.0
-	17:45	108	163.43	1.7	1.66	1.7	990		256	64	79	79		5.0
3	17 49	112	165.65	1.4	1.37	1.4	985		252	65	79	79		5.0
-	17 53	116	169.09	1.4	1.37	1.4	985		252	65	79	79		5.0
4	17 57	120	171.84	1.5	1.47	1.5	984		249	66	79	79		5.0
-	18 01	124	174.61	1.5	1.47	1.5	984		249	66	79	79		5.0
5	18:05	128	177.39	2.1	2.05	2.1	978		246	66	79	79		5.0
-	18:09	132	180.37	2.1	2.05	2.1	978		246	66	79	79		5.0
6	18:13	136	183.41	2.3	2.25	2.3	974		248	66	80	80		6.0
-	18:17	140	186.82	2.3	2.25	2.3	974		248	66	80	80		6.0
End	18:21	140	190.158	-	-	-	-	-	-	-	-	-	-	-
A 1	18:27	144	190.158	1.7	1.66	1.7	978		250	67	80	80		5.0
-	18:31	148	193.25	1.7	1.66	1.7	978		250	67	80	80		5.0
2	18:35	152	196.19	0.94	0.92	0.92	977		246	63	80	80		4.0
-	18:39	156	198.43	0.94	0.92	0.92	977		246	63	80	80		4.0
3	18:43	160	200.64	0.74	0.72	0.72	975		255	64	81	81		3.5
-	18:47	164	202.65	0.74	0.72	0.72	975		255	64	81	81		3.5
4	18:51	168	204.50	0.58	0.56	0.56	974		239	65	81	81		3.0
-	18:55	172	206.32	0.58	0.56	0.56	974		239	65	81	81		3.0
5	18:59	176	207.98	0.47	0.46	0.46	972		241	65	81	81		3.0
-	19:03	180	209.65	0.47	0.46	0.46	972		241	65	81	81		3.0
6	19:07	184	211.28	0.34	0.33	0.33	969		245	66	81	81		3.0
-	19:11	188	212.51	0.34	0.33	0.33	969		245	66	81	81		3.0
End	19:15	192	213.802	-	-	-	-	-	-	-	-	-	-	-

Sample Train Leak Checks (e.g., pre-test, at each port change, post-test)

Port / AWFCO		Volume (ft^3) Start	Volume (ft^3) Stop	Time (sec.)	Vacuum (in Hg)	Leak Rate (cfm)
Port:	Before	—	—	60	16	0.001
	After					
Port:	Before					
	After					
Port:	Before					
	After					

Comments:

Checked By: _____ (Project Manager or QA Manager - sign and date)

11/3/22

NA = Not Applicable

TRC

SAMPLING TRAIN SET UP AND RECOVERY

Project No.	491281.0000.0000	Reagent Type	See UNIT 1 - NG PAGE 1
Client	Georgia Power	Lot No.	
Facility	McIntosh Power Plant		
Source	UNIT 2		
Condition	MAX - NG		

Daily Field Balance Calibration Verification Check:

Documention found in Logbook:	
Documentation found on field balance check data sheet from AM-EMT-52:	X

Run No. 1

Train Type: 5 / 29

Sample ID: UNIT 2 - NG - 5/29 - R1

FRONT HALF

Filter No.	513229	
Thimble No. (NA, unless noted)	—	

IMPINGERS

Impinger No.	#1	#2	#3	#4	#5	#6
Reagent	Empty	5% HNO_3 / 10% H_2O_2		Empty	4% $KMnO_4$ / 10% H_2SO_4	
Vol. Added (ml)	---	100	100	---	100	100
Final Weight (g)	954.4	866.7	789.1	698.2	752.5	767.7
Initial Weight (g)	645.2	762.4	766.0	690.6	749.8	765.1
Net Collected (g)	309.2	104.3	23.1	7.6	2.7	2.6

Setup Date	Setup Person
9/20/22*	WM

Recovery Date	Recovery Person
9/21/22	WM

Silica Gel Imp. No.	#7
Final Weight (g)	980.4
Initial Weight (g)	941.8
Net Collected (g)	38.6

TOTAL MOISTURE (Impingers and Silica gel) (g): 488.1

Run No. 2

Train Type: 5 / 29

Sample ID: UNIT 2 - NG - 5/29 - R2

FRONT HALF

Filter No.	513230	
Thimble No. (NA, unless noted)	—	

IMPINGERS

Impinger No.	#1	#2	#3	#4	#5	#6
Reagent	Empty	5% HNO_3 / 10% H_2O_2		Empty	4% $KMnO_4$ / 10% H_2SO_4	
Vol. Added (ml)	---	100	100	---	100	100
Final Weight (g)	958.2	860.8	760.8	652.3	772.9	752.8
Initial Weight (g)	648.9	748.9	752.7	650.3	775.1	753.4
Net Collected (g)	309.3	111.9	8.1	2.0	-2.2	-0.6

Setup Date	Setup Person
9/21/22	WM

Recovery Date	Recovery Person
9/21/22	WM

Silica Gel Imp. No.	#7
Final Weight (g)	1031.4
Initial Weight (g)	997.2
Net Collected (g)	34.2

TOTAL MOISTURE (Impingers and Silica gel) (g): 462.7

Run No. 3

Train Type: 5 / 29

Sample ID: UNIT 2 - NG - 5/29 - R3

FRONT HALF

Filter No.	513232	
Thimble No. (NA, unless noted)	—	

IMPINGERS

Impinger No.	#1	#2	#3	#4	#5	#6
Reagent	Empty	5% HNO_3 / 10% H_2O_2		Empty	4% $KMnO_4$ / 10% H_2SO_4	
Vol. Added (ml)	---	100	100	---	100	100
Final Weight (g)	976.1	878.2	780.3	692.7	745.7	762.2
Initial Weight (g)	645.2	763.3	767.4	690.3	750.3	763.0
Net Collected (g)	330.9	114.9	12.9	2.4	-4.6	-0.8

Setup Date	Setup Person
9/21/22*	WM

Recovery Date	Recovery Person
9/22/22	WM

Silica Gel Imp. No.	#7
Final Weight (g)	1006.0
Initial Weight (g)	964.4
Net Collected (g)	41.6

TOTAL MOISTURE (Impingers and Silica gel) (g): 497.3

* Except for 4% $KMnO_4$/10% H_2SO_4 prepared daily.

NA = Not Applicable

Checked By: [signature] 11/3/22 (sign and date)

AM-FDS-75 R2_04/12/2019

SAMPLING TRAIN SET UP AND RECOVERY

Project No.	491281.0000.0000	Reagent Type	See Page 1 - UNIT 1 NA
Client	Georgia Power	Lot No.	
Facility	McIntosh Power Plant		
Source	UNIT 2		
Condition	MAX - NG		

Daily Field Balance Calibration Verification Check:
Documention found in Logbook: [ ]
Documentation found on field balance check data sheet from AM-EMT-52: [X]

Run No. 4

Train Type: 5 / 29
Sample ID: UNIT 2-NG-5/29-R4

FRONT HALF
Filter No.: 513260
Thimble No. (NA, unless noted): —

IMPINGERS

Impinger No.	#1	#2	#3	#4	#5	#6
Reagent	Empty	5% HNO_3 / 10% H_2O_2		Empty	4% $KMnO_4$ / 10% H_2SO_4	
Vol. Added (ml)	---	100	100	---	100	100
Final Weight (g)	916.2	883.2	807.6	653.3	753.1	773.2
Initial Weight (g)	649.0 wt gain	750.1	752.9	650.9	753.4	774.6
Net Collected (g)	267.2	133.1	54.7	2.4	-0.3	-1.4

Setup	
Date	Person
9/22/22	WM

Recovery	
Date	Person
9/22/22	WM

Silica Gel Imp. No.	#7
Final Weight (g)	1064.0
Initial Weight (g)	971.0
Net Collected (g)	33.0

TOTAL MOISTURE (Impingers and Silica gel) (g): 488.7

Run No. 5

Train Type: 5 / 29
Sample ID: UNIT 2-NG-5/29-R5

FRONT HALF
Filter No.: 513257
Thimble No. (NA, unless noted): —

IMPINGERS

Impinger No.	#1	#2	#3	#4	#5	#6
Reagent	Empty	5% HNO_3 / 10% H_2O_2		Empty	4% $KMnO_4$ / 10% H_2SO_4	
Vol. Added (ml)	---	100	100	---	100	100
Final Weight (g)	941.6	915.3	777.6	693.5	750.9	764.5
Initial Weight (g)	645.3	762.1	766.7	690.4	751.8	764.5
Net Collected (g)	296.3	153.2	10.9	3.1	+/-0.9 wt change	0.0

Setup	
Date	Person
9/22/22	WM

Recovery	
Date	Person
9/22/22	WM

Silica Gel Imp. No.	#7
Final Weight (g)	981.0
Initial Weight (g)	947.8
Net Collected (g)	33.2

TOTAL MOISTURE (Impingers and Silica gel) (g): 495.8

Run No. 6

Train Type: 5 / 29
Sample ID:

FRONT HALF
Filter No.:
Thimble No. (NA, unless noted): —

IMPINGERS

Impinger No.	#1	#2	#3	#4	#5	#6
Reagent	Empty	5% HNO_3 / 10% H_2O_2		Empty	4% $KMnO_4$ / 10% H_2SO_4	
Vol. Added (ml)	---	100	100	---	100	100
Final Weight (g)						
Initial Weight (g)						
Net Collected (g)						

Setup	
Date	Person

Recovery	
Date	Person

Silica Gel Imp. No.	#7
Final Weight (g)	
Initial Weight (g)	
Net Collected (g)	

TOTAL MOISTURE (Impingers and Silica gel) (g):

Checked By: _____ 11/3/22
(sign and date)

NA = Not Applicable

TRC ISOKINETIC FIELD DATA SHEET Method: 5 & 29

Project No. 491281.0000.0000			Date 9/26/22
Client Georgia Power			Operator Name AF
Facility McIntosh Power Plant	Stack Diameter (in.) 186		Barometer ID 14900524
Source Unit #2	Condition Max		Barometric Pressure (in. Hg) 29.8
Sampling Location Stack	Run No. 01-1		Static Pressure (in. H_2O) -1.70

Assumed Moisture (%)	Ambient Temp. (°F)	Filter No.	Probe Liner Material	Probe Setting (°F)	Probe Length (ft)	Post-Test Positive Orifice/Meter Leak Check Pass?	Nozzle ID No.
11.0		513258	Quartz	248	8	___Y ___N	SP-QJ
K Factor ~~0.963~~ ~~1.003~~ 0.963							

Pitot Tube				DGM - Meter Box					
Pitot Pre-test: Pass?	+✓Y ___N -___Y ___N	ID No.	PTCF or Cp	Console No.	Meter No.	ΔH@	DGMCF or Y	Diameter (in.)	
Pitot Post-test: Pass?	+✓Y ___N -___Y ___N	PTi-8A	0.827	—	E13	1.739	0.9941	0.233	

	Time			Pitot	Orifice, ΔH		Temperature (°F)						Pump
Traverse Point	Clock (24 hr)	Elapsed (min)	DGM Volume (ft^3)	ΔP (in. H_2O)	Desired (in. H_2O)	Actual (in. H_2O)	Stack Flue Gas	Probe	Filter Exit	Impingers Exit	DGM Meter In	DGM Meter Out	Vacuum (in. Hg)
B 1	7:32	0	214.370	4.3	4.14	4.10	966	>900	248	67	75	75	8.0
	7:36	4	218.82	4.3	4.14	4.10	960		248	67	75	75	8.0
2	7:40	8	223.24	3.8	3.65	3.70	954		240	62	71	71	8.5
	7:44	12	227.48	3.8	3.65	3.70	954		240	62	71	71	8.5
3	7:48	16	231.81	3.4	3.27	3.30	949		231	61	72	72	8.0
	7:52	20	235.82	3.4	3.27	3.30	949		231	61	72	72	8.0
4	7:56	24	239.84	3.7	3.7	3.7	943		245	61	72	72	9.0
	8:00	28	244.06	3.7	3.7	3.7	943		245	61	72	72	9.0
5	8:04	32	248.34	3.9	3.75	3.8	935		249	61	73	73	9.0
	8:08	36	252.67	3.9	3.75	3.8	935		249	61	73	73	9.0
6	8:12	40	257.07	3.4	3.31	3.3	931		246	62	73	73	8.0
	8:16	44	261.29	3.4	3.31	3.3	931		246	62	73	73	8.0
End	8:20	48	265.344	-	-	-	-		-	-	-	-	-
C 1	8:25	48	265.344	3.8	3.70	3.70	930		248	62	74	74	8.5
	8:29	52	269.52	3.8	3.70	3.70	930		248	62	74	74	8.5
2	8:33	56	273.82	4.3	4.19	4.2	949		250	62	74	74	10.0
	8:37	60	278.22	4.3	4.19	4.2	949		250	62	74	74	10.0
3	8:41	64	282.78	4.5	4.39	4.40	949		253	63	75	75	10.5
	8:45	68	287.42	4.5	4.39	4.40	949		253	63	75	75	10.5
4	8:49	72	292.13	4.5	4.39	4.40	945		243	65	74	74	11.0
	8:53	76	296.77	4.5	4.39	4.40	945		243	65	74	74	11.0
5	8:57	80	301.65	4.5	4.39	4.40	937		246	67	75	~~75~~ 75	11.0
	9:01	84	306.11	4.5	4.39	4.40	937		246	67	75	75	11.0
6	9:05	88	310.74	4.0	~~3.89~~ 3.89	3.40	933		250	67	75	75	9.5
	9:09	92	315.15	4.0	3.89	3.40	933		250	67	75	75	9.5
End	9:13	96	319.574	-	-	-	-		-	-	-	-	-

Sample Train Leak Checks (e.g., pre-test, at each port change, post-test)						
Port / AWFCO		Volume (ft^3) Start	Volume (ft^3) Stop	Time (sec.)	Vacuum (in Hg)	Leak Rate (cfm)
Port:	Before	—	—	60	17	0.001
	After	—	—	—	✓	—
Port:	Before	—	—	—	—	—
	After	—	—	60	15	0.001

Comments:
~~K Factor change @ Point B-4 0.963 → 1.003~~
K Factor changed to ~~0.96776~~ @ Point 6-B
0.976

Notes: Test Location Schematic is presented separately. additional leak checks here or on a separate sheet.

Document

Checked By: _____ (Project Manager or QA Manager - sign and date) 10/3/22

NA = Not Applicable

TRC ISOKINETIC FIELD DATA SHEET (Continued)

Method: 5 & 29

Project No.	491281.0000.0000	Date	9/26/22
Client	Georgia Power	Operator Name	AF
Facility	McIntosh Power Plant		
Source	Unit #2	Condition	Max
Sampling Location	Stack	Run No.	01-1

	Traverse Point	Time: Clock (24 hr)	Time: Elapsed (min)	DGM Volume (ft^3)	Pitot ΔP (in. H_2O)	Orifice, ΔH: Desired (in. H_2O)	Orifice, ΔH: Actual (in. H_2O)	Temperature (°F): Stack Flue Gas	Probe	Filter Exit	Impingers Exit	DGM Meter In	DGM Meter Out		Pump Vacuum (in. Hg)
D	1	9:20	96	319.574	2.2	2.14	2.10	930	>900	248	67	76	76		6.0
		9:24	100	322.81	2.2	2.14	2.10	930		248	67	76	76		6.0
	2	9:28	104	326.03	1.6	1.55	1.6	966		242	66	75	75		5.0
		9:32	108	328.91	1.6	1.55	1.6	966		242	66	75	75		5.0
	3	9:36	112	331.78	1.5	1.45	1.5	958		250	66	74	74		5.0
		9:40	116	334.56	1.5	1.45	1.5	958		250	66	74	74		5.0
	4	9:44	120	337.34	1.7	1.65	1.70	965		255	67	75	75		5.0
		9:48	124	340.26	1.7	1.65	1.70	965		255	67	75	75		5.0
	5	9:52	128	343.21	2.3	2.23	2.20	962		256	67	75	75		6.0
9:56		~~9:56~~	132	346.55	2.3	2.23	2.20	962		256	67	75	75		6.0
	6	10:00	136	349.91	2.2	2.14	2.1	954		258	66	75	75		6.0
		10:04	140	353.18	2.2	2.14	2.1	954		258	66	75	75		6.0
	End	10:08	140	356.541	-	-	-	-		-	-	-	-	-	-
A	1	10:14	144	356.541	2.1	2.04	2.0	950		256	66	75	75		6.0
		10:18	148	359.68	2.1	2.04	2.0	950		256	66	75	75		6.0
	2	10:22	152	362.82	1.3	1.26	1.3	973		254	66	75	75		4.5
		10:26	156	365.41	1.3	1.26	1.3	973		254	66	75	75		4.5
	3	10:30	160	367.96	0.86	0.83	0.83	974		255	67	74	74		4.0
		10:34	164	370.18	0.86	0.83	0.83	974		255	67	74	74		4.0
	4	10:38	168	372.21	0.56	0.54	0.54	973		253	66	75	75		3.0
		10:42	172	373.92	0.56	0.54	0.54	973		253	66	75	75		3.0
	5	10:46	176	375.63	0.43	0.41	0.41	973		243	65	775	75		2.5
		10:50	180	377.11	0.43	0.41	0.41	973		243	65	75	75		2.5
	6	10:54	184	378.31	0.35	0.34	0.34	972		250	66	75	75		3.0
		10:58	188	379.92	0.35	0.34	0.34	972		250	66	75	75		3.0
	End	11:02	192	381.521	-	-	-	-		-	-	-	-	-	-

Sample Train Leak Checks (e.g., pre-test, at each port change, post-test)

Port / AWFCO		Volume (ft^3) Start	Volume (ft^3) Stop	Time (sec.)	Vacuum (in Hg)	Leak Rate (cfm)
Port:	Before					
	After					
Port:	Before					
	After					
Port:	Before					
	After					

Comments:

Checked By: _____ 10/3/22 (Project Manager or QA Manager - sign and date)

NA = Not Applicable

TRC ISOKINETIC FIELD DATA SHEET Method: 5 & 29

Project No. 491281.0000.0000			Date 09/26/22
Client Georgia Power			Operator Name AM
Facility McIntosh Power Plant	Stack Diameter (in.) 186		Barometer ID 14900524
Source Unit #2	Condition Max		Barometric Pressure (in. Hg) 29.8
Sampling Location Stack	Run No. 01-2		Static Pressure (in. H_2O) -1.70

Assumed Moisture (%)	Ambient Temp. (°F)	Filter No.	Probe Liner Material	Probe Setting (°F)	Probe Length (ft)	Post-Test Positive Orifice/Meter Leak Check Pass?	Nozzle ID No.
11.0		513251	Quartz	248	8	___Y ___N	3P-Q4
K Factor 0.976 0.963							

Pitot Tube				DGM - Meter Box				
Pitot Pre-test: Pass?	+ ✓Y ___N - ✓Y ___N	ID No.	PTCF or Cp	Console No.	Meter No.	ΔH @	DGMCF or Y	Diameter (in.)
Pitot Post-test: Pass?	+ ✓Y ___N - ✓Y ___N	PTI-80	0.825	—	M16	1.899	1.0105	0.233

Traverse Point	Time: Clock (24 hr)	Time: Elapsed (min)	DGM Volume (ft^3)	Pitot ΔP (in. H_2O)	Orifice, ΔH: Desired (in. H_2O)	Orifice, ΔH: Actual (in. H_2O)	Temperature (°F): Stack Flue Gas	Temperature (°F): Probe	Temperature (°F): Filter Exit	Temperature (°F): Impingers Exit	Temperature (°F): DGM Meter In	Temperature (°F): DGM Meter Out	Pump Vacuum (in. Hg)
D 1	11:04	0	780.255	2.2	2.14	2.1	983	>900	248	67	66	66	5.0
	11:08	4	783.27	2.2	2.14	2.1	983		248	67	66	66	5.0
2	11:12	8	786.32	2.1.7	1.65	1.70	984		240	6967	69	66	4.5
	11:16	12	789.11	1.7	1.65	1.70	984		240	67	69	66	4.5
3	11:20	16	791.87	1.4	1.34	1.30	982		248	66	72	70	4.0
	11:24	20	794.32	1.4	1.34	1.30	982		248	66	72	70	4.0
4	11:28	24	796.81	1.5	1.45	1.50	980		236	67	73	67	4.0
	11:32	28	799.36	1.5	1.45	1.50	980		236	67	73	67	4.0
5	11:36	32	801.93	2.1	2.0	2.0	977		240	59	74	68	5.0
	11:40	36	804.92	2.1	2.0	2.0	977		240	59	74	68	5.0
6	11:44	40	807.91	2.1	2.0	2.0	973		239	59	76	68	5.0
	11:48	44	810.99	2.1	2.0	2.0	973		239	59	76	68	5.0
End	11:52	48	813.875	-	-	-	-	-	-	-	-	-	-
A 1	11:58	48	813.875	2.2	2.14	2.1	970		240	60	70	69	5.0
	12:02	52	816.91	2.2	2.14	2.1	970		240	60	70	69	5.0
2	12:06	56	819.01	1.0	0.96	0.96	988		250	60	74	69	2.0
	12:10	60	822.24	1.0	0.96	0.96	988		250	60	74	69	2.0
3	12:14	64	824.27	0.74	0.72	0.72	985		260	64	74	70	1.5
	12:18	68	826.06	0.74	0.72	0.72	985		260	64	74	70	1.5
4	12:22	72	827.93	0.55	0.52	0.52	983		255	65	73	70	1.0
	12:26	76	829.55	0.55	0.52	0.52	983		255	65	73	70	1.0
5	12:30	80	831.15	0.45	0.43	0.43	984		253	66	72	70	1.0
	12:34	84	832.61	0.45	0.43	0.43	984		253	66	72	70	1.0
6	12:38	88	834.03	0.32	0.30	0.30	981		250	67	72	71	0.5
	12:42	92	835.26	0.32	0.30	0.30	981		250	67	72	71	0.5
End	12:46	96	836.484	-	-	-	-	-	-	-	-	-	-

Sample Train Leak Checks (e.g., pre-test, at each port change, post-test)

Port / AWFCO		Volume (ft^3) Start	Volume (ft^3) Stop	Time (sec.)	Vacuum (in Hg)	Leak Rate (cfm)
Port:	Before	—	—	60	16	0.001
	After	—	—	—	—	—
Port:	Before	—	—	—	—	—
	After	—	—	60	18	0.001

Comments:

Notes: Test Location Schematic is presented separately. additional leak checks here or on a separate sheet.

Document

Checked By: _____ 11/3/22 (Project Manager or QA Manager - sign and date)

NA = Not Applicable

TRC ISOKINETIC FIELD DATA SHEET (Continued) Method: 5 & 29

Project No.	491281.0000.0000	Date	9/26/22
Client	Georgia Power	Operator Name	AK
Facility	McIntosh Power Plant		
Source	Unit #2	Condition	Max
Sampling Location	Stack	Run No.	011-2

	Traverse Point	Time: Clock (24 hr)	Time: Elapsed (min)	DGM Volume (ft^3)	Pitot ΔP (in. H_2O)	Orifice, ΔH: Desired (in. H_2O)	Orifice, ΔH: Actual (in. H_2O)	Temperature (°F): Stack Flue Gas	Probe	Filter Exit	Impingers Exit	DGM Meter In	DGM Meter Out		Pump Vacuum (in. Hg)
B	1	12:56	96	836.484	3.8	3.65	3.70	980	>900	250	67	70	70		8.0
		13:00	100	840.41	3.8	3.65	3.70	980		250	67	70	70		8.0
	2	13:04	104	844.41	3.6	3.46	3.5	979		255	55	74	70		8.0
		13:08	108	848.34	3.6	3.46	3.5	979		255	55	74	70		8.0
	3	13:12	112	852.26	3.2	3.08	3.10	977		260	58	77	70		7.5
		13:16	116	856.02	3.2	3.08	3.10	977		260	58	77	70		7.5
	4	13:20	120	859.74	3.3	3.17	3.20	968		253	60	77	70		7.5
		13:24	124	863.51	3.3	3.17	3.20	968		253	60	77	70		7.5
	5	13:28	128	867.38	3.6	3.46	3.50	966		257	62	78	70		8.0
		13:32	132	871.23	3.6	3.46	3.50	966		257	62	78	70		8.0
	6	13:36	136	875.16	3.5	3.37	3.40	960		238	64	78	71		8.0
		13:40	140	879.11	3.5	3.37	3.40	960		238	64	78	71		8.0
	End	13:44	140	883.035	-	-	-	-		-	-	-	-	-	-
C	1	13:50	144	883.035	3.8	3.65	3.70	960		240	64	71	71		8.0
		13:54	148	887.01	3.8	3.65	3.70	960		240	64	71	71		8.0
	2	13:58	152	891.14	4.0	3.85	3.90	979		243	54	75	70		9.0
		~~13:02~~	156	895.21	4.0	3.85	3.90	979		243	54	75	70		9.0
	3	14:06	160	899.41	4.3	4.14	4.1	976		251	55	77	70		9.5
		14:10	164	903.56	4.3	4.14	4.1	976		251	55	77	70		9.5
	4	14:14	168	907.81	4.4	4.23	4.20	971		255	56	78	71		10.0
		14:18	172	912.13	4.4	4.23	4.20	971		255	56	78	71		10.0
	5	14:22	176	916.44	4.3	4.14	4.1	965		247	58	80	72		10.0
		14:26	180	920.76	4.3	4.14	4.1	965		247	58	80	72		10.0
	6	14:30	184	925.07	3.8	3.65	3.70	958		243	59	79	72		9.0
		14:34	188	929.22	3.8	3.65	3.70	958		243	59	79	72		9.0
	End	14:38	192	933.396	-	-	-	-	-	-	-	-	-	-	-

Sample Train Leak Checks (e.g., pre-test, at each port change, post-test)

Port / AWFCO		Volume (ft^3) Start	Volume (ft^3) Stop	Time (sec.)	Vacuum (in Hg)	Leak Rate (cfm)
Port:	Before					
	After					
Port:	Before					
	After					
Port:	Before					
	After					

Comments:

Checked By: _____ 11/3/22 (Project Manager or QA Manager - sign and date)

NA = Not Applicable

TRC ISOKINETIC FIELD DATA SHEET Method: 5 & 29

Project No. 491281.0000.0000			Date 9/27/2022
Client Georgia Power			Operator Name ML
Facility McIntosh Power Plant	Stack Diameter (in.) 186		Barometer ID 14900524
Source Unit #2	Condition Max		Barometric Pressure (in. Hg) 29.85
Sampling Location Stack	Run No. 01-3		Static Pressure (in. H_2O) -1.70

Assumed Moisture (%)	Ambient Temp. (°F)	Filter No.	Probe Liner Material	Probe Setting (°F)	Probe Length (ft)	Post-Test Positive Orifice/Meter Leak Check Pass?	Nozzle ID No.
11.0	64	513261	Quartz	248	8	___Y ___N	GPQ-3
K Factor 0.963							

Pitot	Pitot Tube Pre-test: Pass?	Pitot Post-test: Pass?	Pitot Tube ID No.	Pitot Tube PTCF or Cp	DGM - Meter Box Console No.	DGM Meter No.	DGM ΔH @	DGM DGMCF or Y	DGM Diameter (in.)
	+✓Y -✓Y ~~N~~ N	+✓Y -___Y ___N	RPI-8A	0.827	—	E13	1.739	0.9941	0.233

Traverse Point	Time Clock (24 hr)	Time Elapsed (min)	DGM Volume (ft^3)	Pitot ΔP (in. H_2O)	Orifice, ΔH Desired (in. H_2O)	Orifice, ΔH Actual (in. H_2O)	Temperature (°F) Stack Flue Gas	Probe	Filter Exit	Impingers Exit	DGM Meter In	DGM Meter Out		Pump Vacuum (in. Hg)
B 1	6:42	0	382.233	~~4.4~~ 3.9mv	4.23	4.2	924	>900	240	66	70	70		8.5
-	6:46	4	386.68	4.4	4.23	4.2	924		240	66	70	70		8.5
2	6:50	8	391.27	4.6	4.42	4.4	922		238	55	71	71		8.5
-	6:54	12	395.65	4.6	4.42	4.4	922		238	55	71	71		8.5
3	6:58	16	400.01	3.7	3.56	3.6	920		235	51	71	71		8.0
-	7:02	20	404.19	3.7	3.56	3.6	920		235	51	71	71		8.0
4	7:06	24	408.42	4.0	3.96	~~3.9~~ 4.0mv	923		243	49	72	72		8.5
-	7:10	28	412.80	4.0	3.96	4.0	923		243	49	72	72		8.5
5	7:14	32	417.25	4.1	4.05	4.1	909		240	49	73	73		9.0
-	7:18	36	421.72	4.1	4.05	4.1	909		240	49	73	73		9.0
6	7:22	40	426.29	4.1	4.05	4.1	903		239	49	74	74		9.0
-	7:26	44	430.68	4.1	4.05	4.1	903		239	49	74	74		9.0
C End	7:30	48	435.155	-	-	-	-	-	-	-	-	-	-	-
1	7:36	48	435.155	4.2	4.15	4.2	912		246	60	74	74		9.0
-	7:40	52	439.52	4.2	4.15	4.2	912		246	60	74	74		9.0
2	7:44	56	444.16	4.3	4.25	4.3	920		242	50	75	75		9.5
-	7:48	60	448.76	4.3	4.25	4.3	920		242	50	75	75		9.5
3	7:52	64	453.38	4.5	4.45	4.5	920		251	53	75	75		9.5
-	7:56	68	457.95	4.5	4.45	4.5	920		251	53	75	75		9.5
4	8:00	72	462.69	4.6	4.55	4.6	917		249	54	75	75		10.0
-	8:04	76	467.44	4.6	4.55	4.6	917		249	54	75	75		10.0
5	8:08	80	472.11	4.7	4.65	4.7	913		253	55	76	76		10.5
-	8:12	84	476.91	4.7	4.65	4.7	913		253	55	76	76		10.5
6	8:16	88	481.89	4.6	4.55	4.6	907		247	56	77	77		10.0
-	8:20	92	486.43	4.6	4.55	4.6	907		247	56	77	77		10.0
End	8:24	96	491.309	-	-	-	-	-	-	-	-	-	-	-

Sample Train Leak Checks (e.g., pre-test, at each port change, post-test)

Port / AWFCO		Volume (ft^3) Start	Volume (ft^3) Stop	Time (sec.)	Vacuum (in Hg)	Leak Rate (cfm)
Port:	Before	—	—	60	14	0.01
	After	—	—	60	14	0.01
Port:	Before					
	After					

Comments: Change K Factor to .990 on B4

Notes: Test Location Schematic is presented separately. additional leak checks here or on a separate sheet. Document

Checked By: _____ 11/3/22 (Project Manager or QA Manager - sign and date)

NA = Not Applicable

TRC ISOKINETIC FIELD DATA SHEET (Continued) Method: 5 & 29

Project No.	491281.0000.0000	Date	9/27/2022
Client	Georgia Power	Operator Name	ML
Facility	McIntosh Power Plant		
Source	Unit #2	Condition	Max
Sampling Location	Stack	Run No.	011-3

Traverse Point	Time: Clock (24 hr)	Time: Elapsed (min)	DGM Volume (ft^3)	Pitot ΔP (in. H_2O)	Orifice, ΔH: Desired (in. H_2O)	Orifice, ΔH: Actual (in. H_2O)	Temperature (°F): Stack Flue Gas	Probe	Filter Exit	Impingers Exit	DGM Meter In	DGM Meter Out		Pump Vacuum (in. Hg)
D 1	8:32	96	491.309	2.4	2.37	2.4	936	>900	242	64	76	76		6.0
-	8:36	100	494.72	2.4	2.37	2.4	936		242	64	76	76		6.0
2	8:40	104	498.16	1.8	1.78	1.8	938		240	56	77	77		5.0
-	8:44	108	501.28	1.8	1.78	1.8	938		240	56	77	77		5.0
3	8:48	112	504.31	1.6	1.58	1.6	937		243	58	77	77		5.0
-	8:52	116	507.22	1.6	1.58	1.6	937		243	58	77	77		5.0
4	8:56	120	510.13	1.6	1.58	1.6	936		244	60	77	77		5.0
-	9:00	124	512.99	1.6	1.58	1.6	936		244	60	77	77		5.0
5	9:04	128	515.83	2.2	2.17	2.2	935		239	60	78	78		6.0
-	9:08	132	519.21	2.2	2.17	2.2	935		239	60	78	78		6.0
6	9:12	136	522.68	2.5	2.47	2.5	933		242	54	78	78		6.5
-	9:16	140	526.25	2.5	2.47	2.5	933		242	54	78	78		6.5
End	9:20	140	529.595	-	-	-	-	-	-	-	-	-	-	-
A 1	9:26	144	529.595	2.1	2.07	2.1	943		240	55	78	78		5.5
-	9:30	148	532.82	2.1	2.07	2.1	943		240	55	78	78		5.5
2	9:34	152	536.15	1.2	1.18	1.2	942		237	50	78	78		4.5
-	9:38	156	538.67	1.2	1.18	1.2	942		237	50	78	78		4.5
3	9:42	160	541.51	0.89	0.88	0.88	943		235	51	78	78		4.0
-	9:46	164	543.40	0.89	0.88	0.88	943		235	51	78	78		4.0
4	9:50	168	545.53	0.79	0.78	0.78	945		249	54	78	78		3.5
-	9:54	172	547.56	0.79	0.78	0.78	945		249	54	78	78		3.5
5	9:58	176	549.57	0.53	0.52	0.52	946		236	55	78	78		3.0
-	10:02	180	551.28	0.53	0.52	0.52	946		236	55	78	78		3.0
6	10:06	184	553.07	0.35	0.34	0.34	943		237	55	78	78		3.0
-	10:10	188	554.31	0.35	0.34	0.34	943		237	55	78	78		3.0
End	10:14	192	555.635	-	-	-	-	-	-	-	-	-	-	-

Sample Train Leak Checks (e.g., pre-test, at each port change, post-test)

Port / AWFCO		Volume (ft^3) Start	Volume (ft^3) Stop	Time (sec.)	Vacuum (in Hg)	Leak Rate (cfm)
Port:	Before					
	After					
Port:	Before					
	After					
Port:	Before					
	After					

Comments:

Checked By: _____ 11/3/22 (Project Manager or QA Manager - sign and date)

NA = Not Applicable

TRC ISOKINETIC FIELD DATA SHEET Method: 5 & 29

Project No. 491281.0000.0000			Date 9/27/2022
Client Georgia Power			Operator Name ML
Facility McIntosh Power Plant	Stack Diameter (in.) 186		Barometer ID 14900524
Source Unit #2	Condition Max		Barometric Pressure (in. Hg) 29.85
Sampling Location Stack	Run No. 01-4		Static Pressure (in. H_2O) -1.70

Assumed Moisture (%)	Ambient Temp. (°F)	Filter No.	Probe Liner Material	Probe Setting (°F)	Probe Length (ft)	Post-Test Positive Orifice/Meter Leak Check Pass?	Nozzle ID No.
11.0	78	513262	Quartz	248	8	___Y ___N	GPQ-4
K Factor 0.990							

Pitot Tube			DGM - Meter Box				
Pitot Pre-test: Pass? +/- Y N	ID No.	PTCF or Cp	Console No.	Meter No.	ΔH @	DGMCF or Y	Diameter (in.)
Pitot Post-test: Pass? +/- Y N	RPI-88	0.825	—	M16	1.899	1.0105	0.233

Traverse Point	Time: Clock (24 hr)	Time: Elapsed (min)	DGM Volume (ft^3)	Pitot ΔP (in. H_2O)	Orifice, ΔH: Desired (in. H_2O)	Orifice, ΔH: Actual (in. H_2O)	Temperature (°F): Stack Flue Gas	Temperature (°F): Probe	Temperature (°F): Filter Exit	Temperature (°F): Impingers Exit	Temperature (°F): DGM Meter In	Temperature (°F): DGM Meter Out	Pump Vacuum (in. Hg)
1	10:14	0	934.209	2.1	2.07	2.1	955	>900	244	66	67	67	5.0
-	10:18	4	936.95	2.1	2.07	2.1	955		244	66	67	67	5.0
2	10:22	8	940.34	1.8	1.78	1.8	955		247	61	70	70	4.5
-	10:26	12	943.22	1.8	1.78	1.8	955		247	61	70	70	4.5
3	10:30	16	946.09	1.5	1.48	1.5	953		234	61	74	74	4.0
-	10:34	20	948.77	1.5	1.48	1.5	953		234	61	74	74	4.0
4	10:38	24	951.41	1.5	1.48	1.5	949		243	61	76	76	4.0
-	10:42	28	954.04	1.5	1.48	1.5	949		243	61	76	76	4.0
5	10:46	32	956.67	1.8	1.78	1.8	949		238	60	78	78	4.5
-	10:50	36	959.54	1.8	1.78	1.8	949		238	60	78	78	4.5
6	10:54	40	962.36	2.4	2.37	2.4	946		235	60	81	81	5.0
-	10:58	44	965.61	2.4	2.37	2.4	946		235	60	81	81	5.0
End	11:02	48	968.827	-	-	-	-		-	-	-	-	-
1	11:06	48	968.827	2.2	2.17	2.2	952		247	65	79	79	5.0
-	11:10	52	972.22	2.2	2.17	2.2	952		247	65	79	79	5.0
2	11:14	56	974.97	1.2	1.18	1.2	957		245	60	81	81	3.5
-	11:18	60	977.54	1.2	1.18	1.2	957		245	60	81	81	3.5
3	11:22	64	979.90	0.84	0.83	0.83	955		249	62	80	80	3.0
-	11:26	68	981.89	0.84	0.83	0.83	955		249	62	80	80	3.0
4	11:30	72	983.85	0.57	0.56	0.56	955		239	64	78	78	2.5
-	11:34	76	985.57	0.57	0.56	0.56	955		239	64	78	78	2.5
5	11:38	80	987.02	0.44	0.43	0.43	954		245	64	77	77	2.0
-	11:42	84	988.56	0.44	0.43	0.43	954		245	64	77	77	2.0
6	11:46	88	990.01	0.35	0.34	0.34	952		242	66	78	78	2.0
-	11:50	92	991.30	0.35	0.34	0.34	952		242	66	78	78	2.0
End	11:54	96	992.615	-	-	-	-		-	-	-	-	-

D

A

Sample Train Leak Checks (e.g., pre-test, at each port change, post-test)

Port / AWFCO		Volume (ft^3) Start	Volume (ft^3) Stop	Time (sec.)	Vacuum (in Hg)	Leak Rate (cfm)
Port:	Before	—	—	60	14	0.01
	After	—	—	60	14	0.01
Port:	Before					
	After					

Comments:

Notes: Test Location Schematic is presented separately. Document additional leak checks here or on a separate sheet.

Checked By: _____ 11/3/22 (Project Manager or QA Manager - sign and date)

NA = Not Applicable

TRC ISOKINETIC FIELD DATA SHEET (Continued) Method: 5 & 29

Project No.	491281.0000.0000	Date	9/27/2022
Client	Georgia Power	Operator Name	ML
Facility	McIntosh Power Plant		
Source	Unit #2	Condition	Max
Sampling Location	Stack	Run No.	01-4

Traverse Point	Time: Clock (24 hr)	Time: Elapsed (min)	DGM Volume (ft^3)	Pitot ΔP (in. H_2O)	Orifice, ΔH: Desired (in. H_2O)	Orifice, ΔH: Actual (in. H_2O)	Temperature (°F): Stack Flue Gas	Probe	Filter Exit	Impingers Exit	DGM Meter In	DGM Meter Out		Pump Vacuum (in. Hg)
B 1	12:03	96	992.615	4.0	3.96	4.0	945	>900	245	64	78	78		8.0
—	12:07	100	996.73	4.0	3.96	4.0	945		245	64	78	78		8.0
2	12:11	104	1000.95	3.5	3.46	3.5	951		244	63	83	83		8.0
—	12:15	108	1004.97	3.5	3.46	3.5	951		244	63	83	83		8.0
3	12:19	112	1009.31	3.3	3.26	3.3	946		ML 257 ~~457~~	67	83	83		7.5
—	12:23	116	1012.88	3.3	3.26	3.3	946		ML 257 ~~457~~	67	83	83		7.5
4	12:27	120	1016.76	3.6	3.56	3.6	944		244	66	83	83		8.0
—	12:31	124	1020.73	3.6	3.56	3.6	944		244	66	83	83		8.0
5	12:35	128	1024.75	3.9	3.86	3.9	937		237	66	83	83		8.0
—	12:39	132	1028.86	3.9	3.86	3.9	937		237	66	83	83		8.0
6	12:43	136	1032.96	3.7	3.66	3.7	933		243	66	82	82		8.0
—	12:47	140	1037.10	3.7	3.66	3.7	933		243	66	82	82		8.0
End	12:51	140	1041.171	-	-	-	-	-	-	-	-	-	-	-
C 1	12:56	144	1041.171	~~4.7~~ ~~4.4~~	~~4.65~~ ~~4.35~~	~~4.7~~ ~~4.4~~ mc	950		248	62	78	78		9.5
—	13:00	148	1045.48	4.7	4.65	4.7	950		248	62	78	78		9.5
2	13:04	152	1050.03	4.7	4.65	4.7	949		251	64	79	79		9.5
—	13:08	156	1054.57	4.7	4.65	4.7	949		251	64	79	79		9.5
3	13:12	160	1059.13	4.8	4.75	4.8	946		245	65	82	82		10.5
—	13:16	164	1063.77	4.8	4.75	4.8	946		245	65	82	82		10.5
4	13:20	168	1068.48	4.9	4.85	4.9	942		249	66	83	83		10.5
—	13:24	172	1073.51	4.9	4.85	4.9	942		249	66	83	83		10.5
5	13:28	176	1077.72	4.9	4.85	4.9	938		241	66	83	83		10.5
—	13:32	180	1082.87	4.9	4.85	4.9	938		241	66	83	83		10.5
6	13:36	184	1086.96	4.2	4.15	4.2	930		245	66	82	82		9.5
—	13:40	188	1091.40	4.2	4.15	4.2	930		245	66	82	82		9.5
End	13:44	192	1095.586	-	-	-	-	-	-	-	-	-	-	-

Sample Train Leak Checks (e.g., pre-test, at each port change, post-test)

Port / AWFCO		Volume (ft^3) Start	Volume (ft^3) Stop	Time (sec.)	Vacuum (in Hg)	Leak Rate (cfm)
Port:	Before					
	After					
Port:	Before					
	After					
Port:	Before					
	After					

Comments:

Checked By: 11/3/22 (Project Manager or QA Manager - sign and date)

NA = Not Applicable

TRC ISOKINETIC FIELD DATA SHEET Method: 5 & 29

Project No. 491281.0000.0000			Date 9/27/2022
Client Georgia Power			Operator Name ML
Facility McIntosh Power Plant	Stack Diameter (in.) 186		Barometer ID 14900524
Source Unit #2	Condition Max		Barometric Pressure (in. Hg) 29.85
Sampling Location Stack	Run No. 01-5		Static Pressure (in. H_2O) -1.70

Assumed Moisture (%)	Ambient Temp. (°F)	Filter No.	Probe Liner Material	Probe Setting (°F)	Probe Length (ft)	Post-Test Positive Orifice/Meter Leak Check Pass?	Nozzle ID No.
11.0		513253	Quartz	248	8	___Y ___N	GPQ-3

K Factor	Pitot Tube Pre-test: Pass?	Pitot Post-test: Pass?	Pitot ID No.	Pitot PTCF or Cp	DGM Console No.	DGM Meter No.	DGM ΔH @	DGMCF or Y	Nozzle Diameter (in.)
0.990	+ ✓ Y ___N - ✓ Y ✗ N	+ ✗ Y ___N - ✓ Y ___N	RPI-8A	0.827	—	E13	1.739	0.9941	0.233

Traverse Point	Time: Clock (24 hr)	Time: Elapsed (min)	DGM Volume (ft^3)	Pitot ΔP (in. H_2O)	Orifice, ΔH: Desired (in. H_2O)	Orifice, ΔH: Actual (in. H_2O)	Temperature (°F): Stack Flue Gas	Temperature (°F): Probe	Temperature (°F): Filter Exit	Temperature (°F): Impingers Exit	Temperature (°F): DGM Meter In	Temperature (°F): DGM Meter Out		Pump Vacuum (in. Hg)
B 1	13:44	0	556.277	4.0	3.96	4.0	952	>900	244	59	76	76		9.0
—	13:48	4	560.61	4.0	3.96	4.0	952		244	59	76	76		9.0
2	13:52	8	564.92	3.9	3.86	3.9	952		242	60	76	76		9.0
—	13:56	12	569.68	3.9	3.86	3.9	952		242	60	76	76		9.0
3	14:00	16	573.74	3.4	3.36	3.4	953		245	62	76	76		8.5
—	14:04	20	577.92	3.4	3.36	3.4	953		245	62	76	76		8.5
4	14:08	24	581.97	3.6	3.56	3.6	941		247	65	77	77		8.5
—	14:12	28	ML 586.26 ~~586.26~~	3.6	3.56	3.6	941		247	65	77	77		8.5
5	14:16	32	590.48	3.6	3.56	3.6	939		236	65	79	79		8.5
—	14:20	36	594.74	3.6	3.56	3.6	939		236	65	79	79		8.5
6	14:24	40	599.01	3.6	3.56	3.6	933		240	65	79	79		8.5
—	14:28	44	603.24	3.6	3.56	3.6	933		240	65	79	79		8.5
End	14:32	48	~~603.~~ 607.283	-	-	-	-	-	-	-	-	-	-	-
C 1	14:46	48	607.283	4.3	4.25	4.3	930		240	65	79	79		8.0
—	14:50	52	612.01	4.3	4.25	4.3	930		240	65	79	79		8.0
2	14:54	56	616.56	4.5	4.45	4.5	953		248	61	79	79		8.5
—	14:58	60	621.26	4.5	4.45	4.5	953		248	61	79	79		8.5
3	15:02	64	625.96	4.6	4.55	4.6	949		251	60	79	79		9.0
—	15:06	68	630.75	4.6	4.55	4.6	949		251	60	79	79		9.0
4	15:10	72	635.54	4.6	4.55	4.6	944		249	56	79	79		9.0
—	15:14	76	640.32	4.6	4.55	4.6	944		249	56	79	79		9.0
5	15:18	80	~~645.08~~	4.6	4.55	4.6	938		250	55	79	79		9.0
—	15:22	84	650.17	4.6	4.55	4.6	938		250	55	79	79		9.0
6	15:26	88	654.66	4.2	4.15	4.2	930		248	55	79	79		8.0
—	15:30	92	659.26	4.2	4.15	4.2	930		248	55	79	79		8.0
End	15:34	96	663.920	-	-	-	-	-	-	-	-	-	-	-

Sample Train Leak Checks (e.g., pre-test, at each port change, post-test)

Port / AWFCO		Volume (ft^3) Start	Volume (ft^3) Stop	Time (sec.)	Vacuum (in Hg)	Leak Rate (cfm)
Port:	Before	—	—	60	14	0.01
	After	ML ~~—~~	~~—~~	~~60~~	~~14~~	~~0.01~~
Port:	Before	—	—	—	—	—
	After	—	—	60	16	0.01

Comments:

Notes: Test Location Schematic is presented separately. additional leak checks here or on a separate sheet.

Document

Checked By: _____ 11/3/22 (Project Manager or QA Manager - sign and date)

NA = Not Applicable

TRC **ISOKINETIC FIELD DATA SHEET (Continued)** **Method:** 5 & 29

Project No.	491281.0000.0000	Date	9/27/2022
Client	Georgia Power	Operator Name	ML
Facility	McIntosh Power Plant		
Source	Unit #2	Condition	Max
Sampling Location	Stack	Run No.	01-5

Traverse Point	Time: Clock (24 hr)	Time: Elapsed (min)	DGM Volume (ft^3)	Pitot ΔP (in. H_2O)	Orifice, ΔH: Desired (in. H_2O)	Orifice, ΔH: Actual (in. H_2O)	Temperature (°F): Stack Flue Gas	Probe	Filter Exit	Impingers Exit	DGM Meter In	DGM Meter Out		Pump Vacuum (in. Hg)
1	15:40	96	663.920	2.2	2.17	2.2	944	>900	249	56	77	77		6.0
"	15:44	100	667.28	2.2	2.17	2.2	944		249	56	77	77		6.0
2	15:48	104	670.28	1.7	1.68	1.70	963		249	56	77	77		5.0
"	15:52	108	673.62	1.70	1.68	1.70	963		249	56	77	77		5.0
3	15:56	112	676.56	1.5	1.48	1.50	959		248	59	77	77		4.5
"	16:00	116	679.34	1.5	1.48	1.50	959		248	59	77	77		4.5
4	16:04	120	682.08	1.70	1.68	1.70	957		247	60	78	78		5.0
"	16:08	124	685.19	1.70	1.68	1.70	957		247	60	78	78		5.0
5	16:12	128	687.87	2.2	2.17	2.20	956		248	62	77	77		6.0
"	16:16	132	691.18	2.2	2.17	2.20	956		248	62	77	77		6.0
6	16:20	136	694.52	2.4	2.37	2.40	952		248	63	77	77		6.5
"	16:24	140	698.03	2.40	2.37	2.40	952		248	63	77	77		6.5
End	16:28	140	701.550	-	-	-	-	-	-	-	-	-	-	-
1	16:34	144	701.550	2.2	2.17	2.2	950		248	63	78	78		6.0
"	16:38	148	704.87	2.2	2.17	2.2	950		248	63	78	78		6.0
2	16:42	152	708.18	1.4	1.38	1.40	960		250	60	76	76		4.5
"	16:46	156	710.91	1.40	1.38	1.40	960		250	60	76	76		4.5
3	16:50	160	713.58	0.88	0.87	0.87	954		250	63	76	76		3.5
"	16:54	164	715.76	0.88	0.87	0.87	954		250	63	76	76		3.5
4	17 16:58	168	717.87	0.58	0.57	0.57	955		247	66	76	76		2.0
"	17 17:02	172	719.56	0.58	0.57	0.57	955		247	66	76	76		2.0
5	17 17:06	176	721.28	0.45	0.44	0.44	952		250	67	75	75		2.0
"	17 17:10	180	722.78	0.45	0.44	0.44	952		250	67	75	75		2.0
6	17 17:14	184	724.28	0.33	0.32	0.32	946		247	67	75	75		2.0
"	17 17:18	188	725.56	0.33	0.32	0.32	946		247	67	75	75		2.0
End	17 17:22	192	726.886	-	-	-	-	-	-	-	-	-	-	-

Sample Train Leak Checks (e.g., pre-test, at each port change, post-test)

Port / AWFCO		Volume (ft^3) Start	Volume (ft^3) Stop	Time (sec.)	Vacuum (in Hg)	Leak Rate (cfm)
Port:	Before					
	After					
Port:	Before					
	After					
Port:	Before					
	After					

Comments:

Checked By: _____ 11/3/22 (Project Manager or QA Manager - sign and date)

NA = Not Applicable

SAMPLING TRAIN SET UP AND RECOVERY

Page of

Project No.	491281.0000.0000	Reagent Type	See UNIT 1 Page 1
Client	Georgia Power	Lot No.	
Facility	McIntosh Power Plant		
Source	UNIT 2		
Condition	MAX - FO		

Daily Field Balance Calibration Verification Check:

Documention found in Logbook: [ ]

Documentation found on field balance check data sheet from AM-EMT-52: [X]

Run No. 1

Train Type: 5 / 29

Sample ID: UNIT 2 - FO - 5/29 - R1

FRONT HALF

Filter No.: 513258

Thimble No. (NA, unless noted): —

IMPINGERS

Impinger No.	#1	#2	#3	#4	#5	#6
Reagent	Empty	5% HNO_3 / 10% H_2O_2		Empty	4% $KMnO_4$ / 10% H_2SO_4	
Vol. Added (ml)	---	100	100	---	100	100
Final Weight (g)	955.5	807.7	767.9	654.5	761.3	751.8
Initial Weight (g)	648.7	750.1	753.4	650.2	764.2	751.2
Net Collected (g)	306.8	57.6	14.5	4.3	-2.9	0.6

Setup	
Date	Person
9/26/22	WM

Recovery	
Date	Person
9/26/22	WM

Silica Gel Imp. No.	#7
Final Weight (g)	1008.9
Initial Weight (g)	972.9
Net Collected (g)	36.0

TOTAL MOISTURE (Impingers and Silica gel) (g): 416.9

Run No. 2

Train Type: 5 / 29

Sample ID: UNIT 2 - FO - 5/29 - R2

FRONT HALF

Filter No.: 513251

Thimble No. (NA, unless noted): —

IMPINGERS

Impinger No.	#1	#2	#3	#4	#5	#6
Reagent	Empty	5% HNO_3 / 10% H_2O_2		Empty	4% $KMnO_4$ / 10% H_2SO_4	
Vol. Added (ml)	---	100	100	---	100	100
Final Weight (g)	945.2	811.5	776.5	691.1	772.8	750.3
Initial Weight (g)	644.1	763.4	766.8	689.5	773.4	752.1
Net Collected (g)	301.1	48.1	9.7	1.6	-0.6	-1.8

Setup	
Date	Person
9/26/22	WM

Recovery	
Date	Person
9/26/22	WM

Silica Gel Imp. No.	#7
Final Weight (g)	988.0
Initial Weight (g)	956.7
Net Collected (g)	31.3

TOTAL MOISTURE (Impingers and Silica gel) (g): 389.4

Run No. 3

Train Type: 5 / 29

Sample ID: UNIT 2 - FO - 5/29 - R3

FRONT HALF

Filter No.: 513261

Thimble No. (NA, unless noted): —

IMPINGERS

Impinger No.	#1	#2	#3	#4	#5	#6
Reagent	Empty	5% HNO_3 / 10% H_2O_2		Empty	4% $KMnO_4$ / 10% H_2SO_4	
Vol. Added (ml)	--- WM 9/27/22	100	100	---	100	100
Final Weight (g)	941.80	811.4	759.0	651.6	751.7	766.1
Initial Weight (g)	648.9	750.3	753.1	650.4	752.7	766.9
Net Collected (g)	292.1	61.1	5.9	1.2	-1.0	-0.8

Setup	
Date	Person
9/26/22*	WM

Recovery	
Date	Person
9/27/22	WM

Silica Gel Imp. No.	#7
Final Weight (g)	1015.8
Initial Weight (g)	981.4
Net Collected (g)	34.4

TOTAL MOISTURE (Impingers and Silica gel) (g): 392.9

* Except for 4% $KMnO_4$ / 10% H_2SO_4 prepared DAILY

NA = Not Applicable

Checked By: [signature] 11/3/22 (sign and date)

SAMPLING TRAIN SET UP AND RECOVERY

Page of

Project No.	491281.0000.0000	Reagent Type	See UNIT 1 PAGE 1
Client	Georgia Power	Lot No.	—
Facility	McIntosh Power Plant		
Source	UNIT 2		
Condition	MAX - FO		

Daily Field Balance Calibration Verification Check:

Documention found in Logbook: [ ]

Documentation found on field balance check data sheet from AM-EMT-52: [X]

Run No. 4

Train Type: 5 / 29

Sample ID: UNIT 2 - FO - 5/29 - R4

FRONT HALF

Filter No.: 513262

Thimble No. (NA, unless noted): —

IMPINGERS

Impinger No.	#1	#2	#3	#4	#5	#6	#7
Reagent	Empty	5% HNO_3 / 10% H_2O_2		Empty	4% $KMnO_4$ / 10% H_2SO_4		Silica Gel
Vol. Added (ml)	---	100	100	---	100	100	
Final Weight (g)	922.0	810.8	774.3	691.8	773.3	752.7	983.4
Initial Weight (g)	645.3	762.0	766.7	690.6	774.8	754.4	947.1
Net Collected (g)	276.7	48.8	7.6	1.2	~~-0.5~~ -1.5	-1.7	36.3

Setup	
Date	Person
9/27/22	WM

Recovery	
Date	Person
9/27/22	WM

TOTAL MOISTURE (Impingers and Silica gel) (g): ~~368.4~~ 367.4

Run No. 5

Train Type: 5 / 29

Sample ID: UNIT 2 - FO - 5/29 - R5

FRONT HALF

Filter No.: 513253

Thimble No. (NA, unless noted): —

IMPINGERS

Impinger No.	#1	#2	#3	#4	#5	#6	#7
Reagent	Empty	5% HNO_3 / 10% H_2O_2		Empty	4% $KMnO_4$ / 10% H_2SO_4		Silica Gel
Vol. Added (ml)	---	100	100	---	100	100	
Final Weight (g)	929.0	790.3	763.2	654.5	762.2	754.0	1019.7
Initial Weight (g)	649.5	752.1	757.9	651.0	764.0	753.4	982.8
Net Collected (g)	279.5	38.2	11.3	3.5	-1.8	0.6	36.9

Setup	
Date	Person
9/27/22	WM

Recovery	
Date	Person
9/27/22	WM

TOTAL MOISTURE (Impingers and Silica gel) (g): 368.2

Run No. —

Train Type: 5 / 29

Sample ID: —

FRONT HALF

Filter No.: —

Thimble No. (NA, unless noted): —

IMPINGERS

Impinger No.	#1	#2	#3	#4	#5	#6	#7
Reagent	Empty	5% HNO_3 / 10% H_2O_2		Empty	4% $KMnO_4$ / 10% H_2SO_4		Silica Gel
Vol. Added (ml)	---	100	100	---	100	100	
Final Weight (g)							
Initial Weight (g)							
Net Collected (g)							

Setup	
Date	Person
—	—

Recovery	
Date	Person
—	—

TOTAL MOISTURE (Impingers and Silica gel) (g):

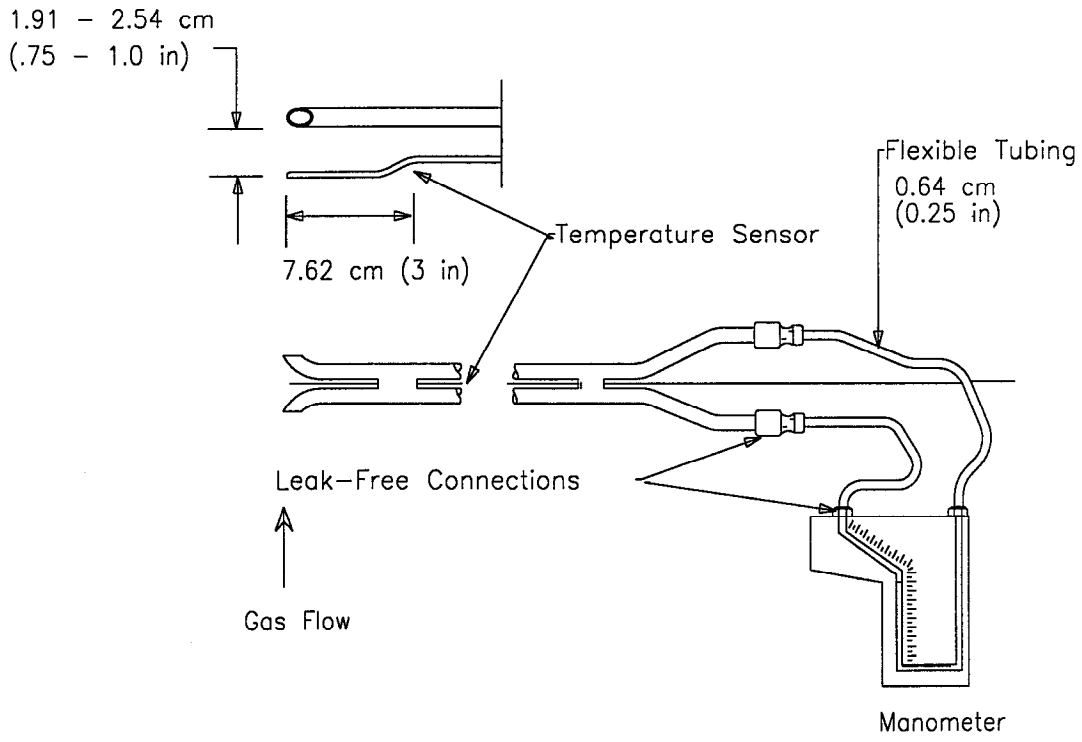
Checked By: _____ 11/3/22 (sign and date)

NA = Not Applicable

Sample Train Diagrams

Determination of Stack Gas Velocity and Volumetric Flow Rate

USEPA Promulgated Test Method 2



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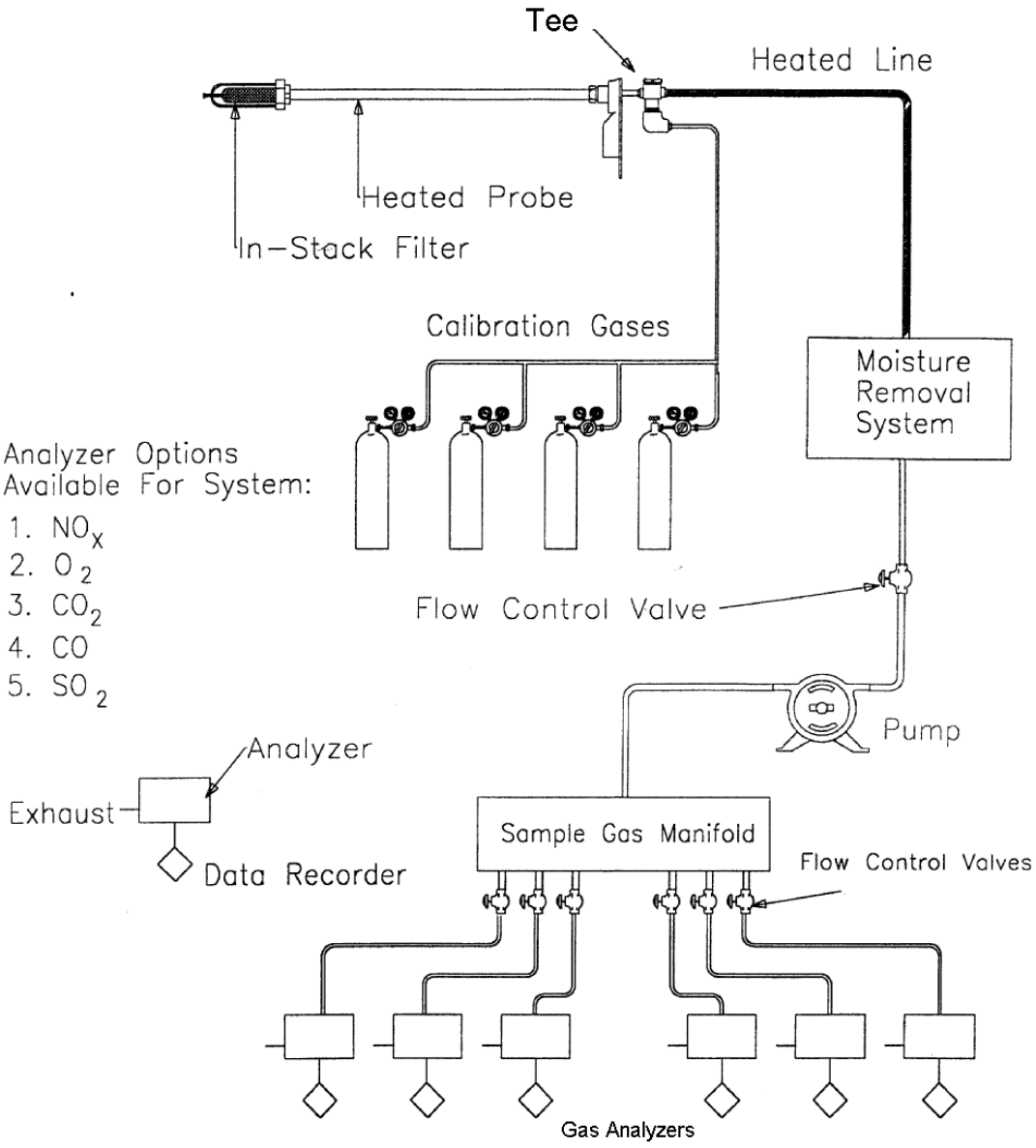
Determination of Multiple Gaseous Pollutants Using an Extractive Sampling Train

USEPA Promulgated Methods 3A and 7E



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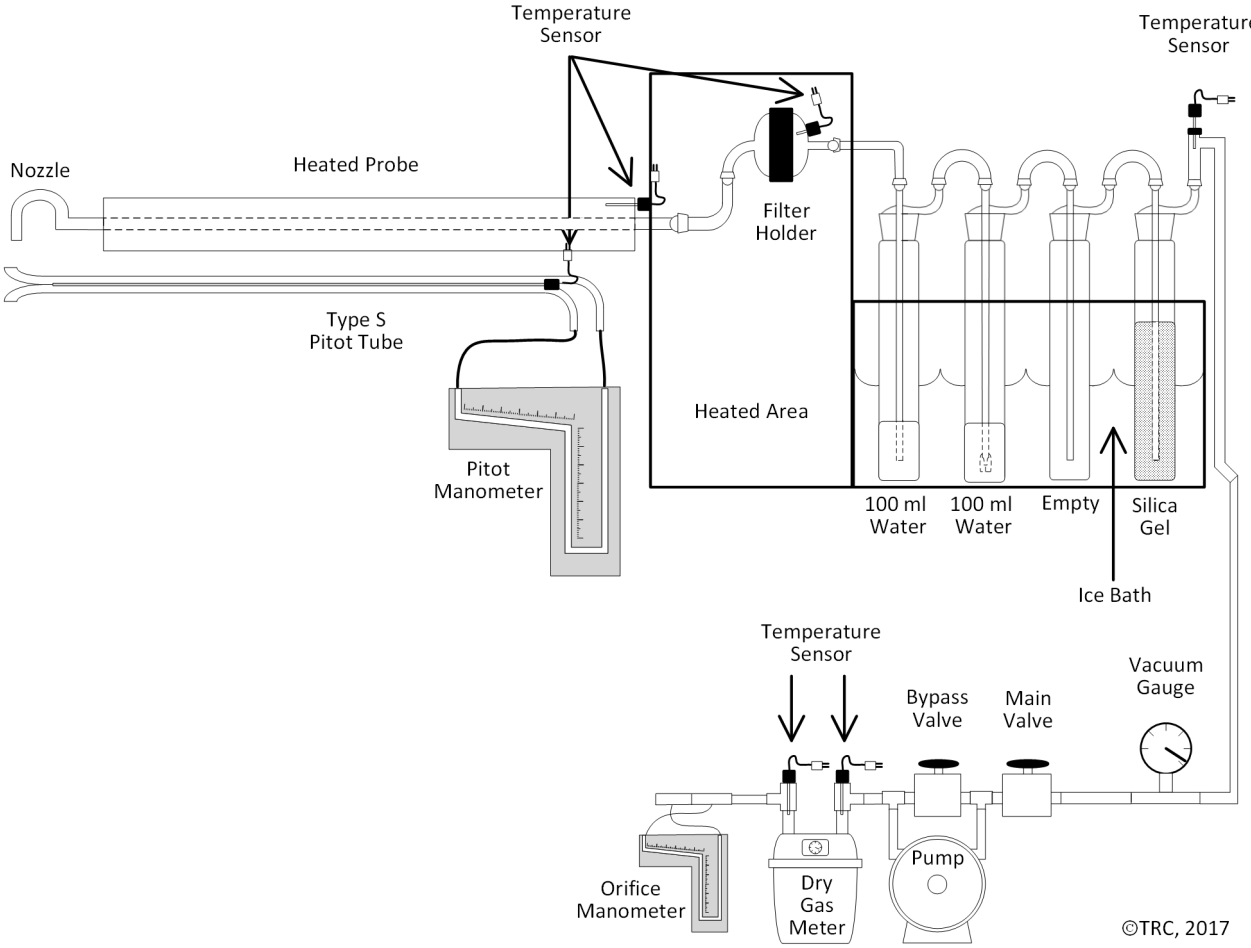
Determination of Particulate Emissions From Stationary Sources

USEPA Promulgated Method 5



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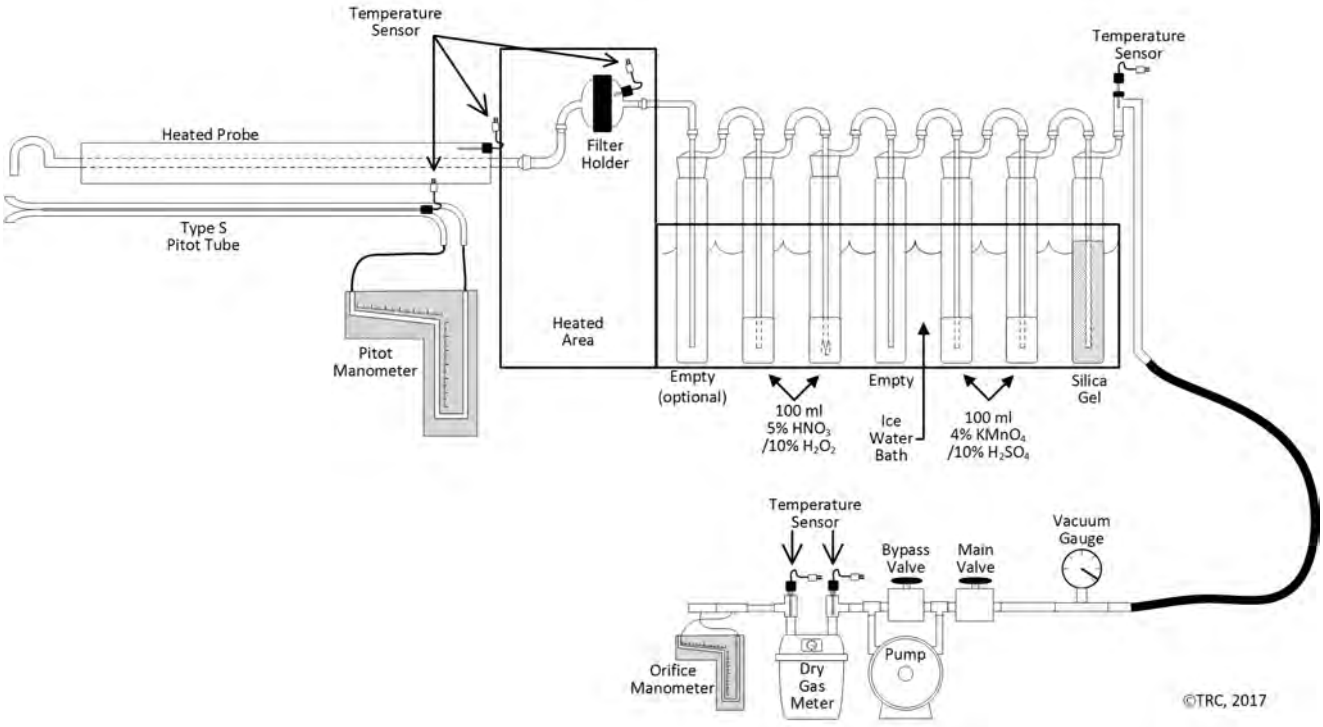
DWG-PTM-005 Rev. 04/09/2019

Determination of Metals Emissions From Stationary Sources

USEPA Promulgated Method 29



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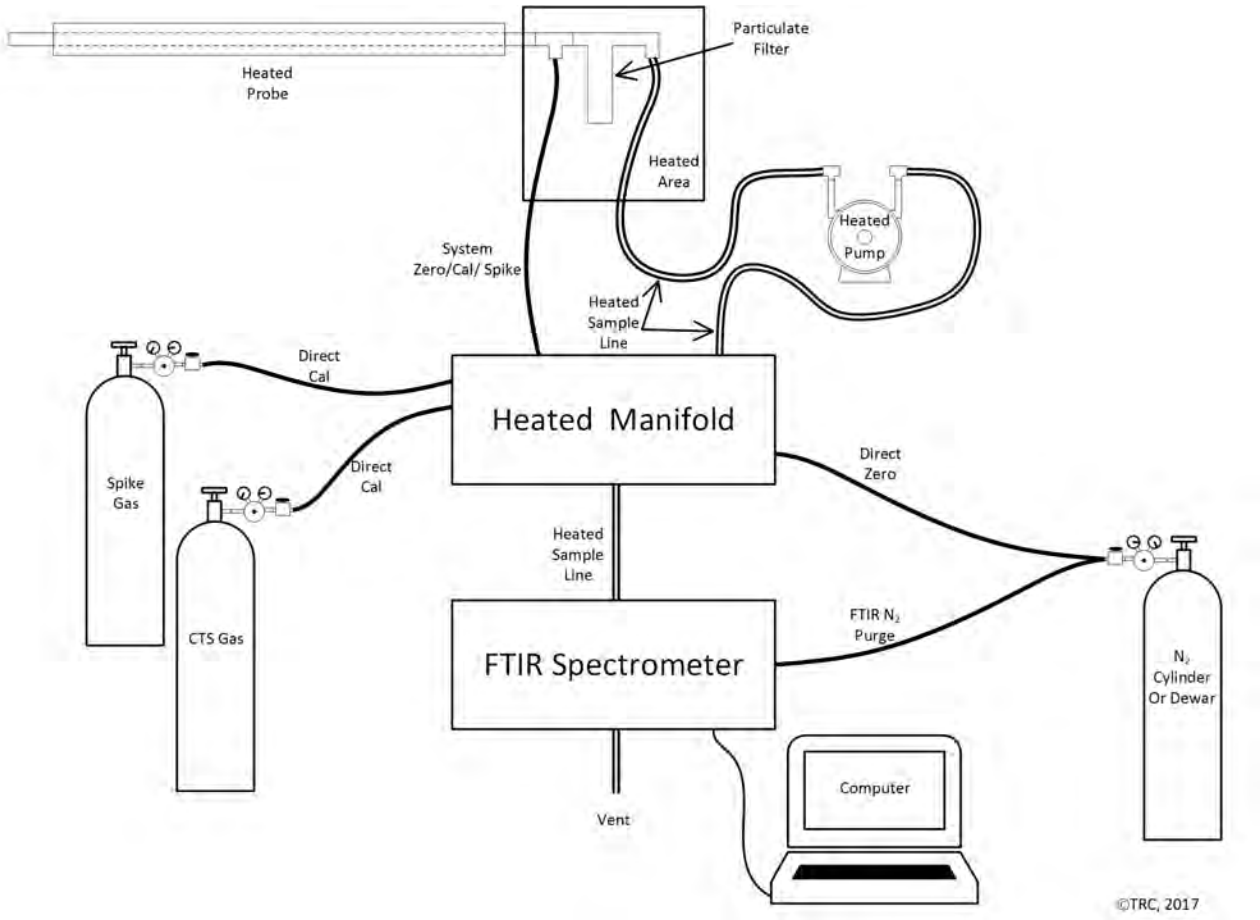
DWG-PTM-029 Rev. 04/09/2019

Measurement of Vapor Phase Organic and Inorganic Emissions by Extractive FTIR

USEPA Promulgated Method 320



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DWG-PTM-320 Rev. 04/09/2019

Quality Assurance Data

Sampling Equipment Calibration Data

Dry Gas Meter 5-Point Full Test

Meter Box ID	**E13**	**Calibration Date**	**8/2/2022**
Gas Meter Number	**8219522**	**Barometric Pressure**	**29.7**
Calibrated By	**P. Daley**	**Orifice Set Calibration Date**	**4/18/2022**

	Run #1	Run #2	Run #1	Run #2	Run #1	Run #2	Run #1	Run #2	Run #1	Run #2
Orifice ID	**MS-40**		**BU-48**		**BU-55**		**BU-63**		**BU-73**	
Orifice Coefficient K'	**0.2395**		**0.3447**		**0.4562**		**0.5928**		**0.8143**	
Ambient Temperature	73	73	73	73	73	73	73	73	73	73
	Meter Readings									
Vacuum (≥15.1" Hg)	25	25	24	24	22	22	20	20	16	16
Delta H	0.28	0.28	0.59	0.59	1.10	1.10	1.90	1.90	3.60	3.60
Initial Volume Ft^3	949.700	954.800	960.000	965.100	970.700	976.300	981.600	987.000	936.000	941.300
Final Volume Ft^3	954.700	959.900	965.000	970.100	976.100	981.300	986.800	992.100	941.000	949.100
Total (≥5 Ft^3)	5	5.1	5	5	5.4	5	5.2	5.1	5	7.8
Initial DGM Temperature °F	74	75	76	77	77	77	77	77	73	74
Final DGM Temperature °F	75	76	76	77	77	77	77	77	74	74
Average Temperature °F	74.5	75.5	76.0	77.0	77.0	77.0	77.0	77.0	73.5	74.0
Time Minutes	15	16	10	10	8	8	6	6	4	7
Time Seconds	49.87	8.53	59.78	54.62	56.81	17.13	38.57	32.22	41.29	19.41
Delta H@	1.628	1.625	1.654	1.651	1.762	1.762	1.810	1.810	1.844	1.843
Gamma (Y)	0.9945	0.9960	0.9962	0.9903	0.9939	0.9940	0.9938	0.9971	0.9913	0.9936
Average Gamma (Y)	Pass	**0.9952**	Pass	**0.9932**	Pass	**0.9939**	Pass	**0.9955**	Pass	**0.9924**
Delta H@ tolerance	Pass		Pass		Pass		Pass		Pass	

Gamma (Y)	**0.9941**
Delta H@	**1.739**

TRC

QA / QC Check: Sign and Date _____ 08-03-22

Dry Gas Meter Temperature Display Calibration

Meter Box ID	**E13**	**Reference Calibrator**	**Omega-CL23A**
Date	**8/2/2022**	**Serial Number**	**T-235647**
Calibrated By	**P. Daley**	**Reference Calibration Date**	**12/3/2021**

Input Temperature		**Temperature Reading from Individual Thermocouple Input[1]**									
		Channel Number									
Deg. F	**Deg. R**	**1**	**% Diff**	**2**	**% Diff**	**3**	**% Diff**	**4**	**% Diff**	**5**	**% Diff**
0	460	1	**-0.2%**	0	**0.0%**	1	**-0.2%**	0	**0.0%**	0	**0.0%**
50	510	50	**0.0%**	50	**0.0%**	50	**0.0%**	50	**0.0%**	50	**0.0%**
100	560	100	**0.0%**	100	**0.0%**	100	**0.0%**	100	**0.0%**	100	**0.0%**
500	960	499	**0.1%**	500	**0.0%**	499	**0.1%**	499	**0.1%**	499	**0.1%**
900	1360	899	**0.1%**	899	**0.1%**	899	**0.1%**	899	**0.1%**	899	**0.1%**
1900	2360	1899	**0.0%**	1899	**0.0%**	1899	**0.0%**	1899	**0.0%**	1899	**0.0%**
		Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass

1 - Channel temperatures must agree with +/- 5 °F or 3 °C

2 - Acceptable temperature difference is less than 1.5 %

Dry Gas Meter Thermocouple Calibration[3]

Readout Display Temperature oF	Reference Thermometer °F	Percent Difference	
73	73	**0.0%**	Pass

3 - Dry gas meter thermicouple is compared to an ASTM type mercury in glass reference thermometer

TRC

QA / QC Check: Sign and Date 08-03-22

POST-TEST DRY GAS METER CALIBRATION
Calibrated Orifice Procedure

Project ID	**491281**	**Barometric Pressure**	**30.1**
Meter Box ID	**E13**	**Full Test Date**	**8/2/2022**
Date	**11/10/2022**	**Gamma (Y)**	**0.99414**
Calibrated By	**PFD**	**Delta H@**	**1.739**

	Run #1	Run #2	Run #3
Orifice ID		**BU-63**	
Orifice Coefficient K'		**0.5926**	
Ambient Temperature	72	72	72
	Meter Readings		
Vacuum (≥15.1" Hg)	20	20	20
Delta H	1.93	1.93	1.93
Initial Volume Ft^3	874.000	880.600	886.400
Final Volume Ft^3	880.400	886.100	891.400
Total (≥5 Ft^3)	6.400	5.500	5.000
Initial DGM Temperature ^oF	71	71	71
Final DGM Temperature ^oF	71	71	71
Average Temperature ^oF	71.0	71.0	71.0
Time Minutes	8	7	6
Time Seconds	13.29	6.35	25.90
Delta H@	1.832	1.832	1.832
Gamma (Y)	0.9888	0.9944	0.9901

Average Post-Test Gamma (Y)	**0.9911**
Full Calibration Gamma (Y)	**0.9941**
Percent Difference	**0.31%**

Pass

QA / QC Check: Sign and Date *Jon T. Howard 12-28-22*

Dry Gas Meter Temperature Display Calibration

Meter Box ID	**E13**	**Reference Calibrator**	**Omega-CL23A**
Date	**11/10/2022**	**Serial Number**	**T-235647**
Calibrated By	**PFD**	**Reference Calibration Date**	**12/3/2021**

Input Temperature		**Temperature Reading from Individual Thermocouple Input[1]**									
		Channel Number									
Deg. F	**Deg. R**	**1**	**% Diff**	**2**	**% Diff**	**3**	**% Diff**	**4**	**% Diff**	**5**	**% Diff**
0	460	1	**-0.2%**	0	**0.0%**	0	**0.0%**	1	**-0.2%**	1	**-0.2%**
50	510	51	**-0.2%**	51	**-0.2%**	51	**-0.2%**	51	**-0.2%**	51	**-0.2%**
100	560	101	**-0.2%**	101	**-0.2%**	100	**0.0%**	100	**0.0%**	100	**0.0%**
500	960	499	**0.1%**	499	**0.1%**	499	**0.1%**	499	**0.1%**	499	**0.1%**
900	1360	900	**0.0%**	900	**0.0%**	900	**0.0%**	900	**0.0%**	900	**0.0%**
1900	2360	1899	**0.0%**	1899	**0.0%**	1900	**0.0%**	1900	**0.0%**	1899	**0.0%**
		Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass

1 - Channel temperatures must agree with +/- 5 °F or 3 °C

2 - Acceptable temperature difference is less than 1.5 %

Dry Gas Meter Thermocouple Calibration[3]

Readout Display Temperature oF	Reference Thermometer °F	Percent Difference	
71	72	**-0.2%**	Pass

3 - Dry gas meter thermicouple is compared to an ASTM type mercury in glass reference thermometer

QA / QC Check: Sign and Date *Jon T. Howard 12-28-22*

Dry Gas Meter 5-Point Full Test

Meter Box ID	**M16**	**Calibration Date**	**8/2/2022**
Gas Meter Number	**18654645**	**Barometric Pressure**	**29.8**
Calibrated By	**P. Daley**	**Orifice Set Calibration Date**	**4/18/2022**

	Run #1	Run #2	Run #1	Run #2	Run #1	Run #2	Run #1	Run #2	Run #1	Run #2
Orifice ID	MS-40		BU-48		BU-55		BU-63		BU-73	
Orifice Coefficient K'	0.2395		0.3447		0.4562		0.5928		0.8143	
Ambient Temperature	73	73	73	73	73	73	73	73	73	73
	Meter Readings									
Vacuum (≥15.1" Hg)	25	25	23	23	22	22	20	20	18	18
Delta H	0.31	0.31	0.65	0.65	1.20	1.20	2.05	2.05	3.90	3.90
Initial Volume Ft^3	381.400	386.500	402.200	407.300	391.800	396.900	412.600	417.900	369.600	375.900
Final Volume Ft^3	386.400	391.500	407.200	412.300	396.800	401.900	417.650	422.900	375.500	380.900
Total (≥5 Ft^3)	5	5	5	5	5	5	5.05	5	5.9	5
Initial DGM Temperature °F	72	73	75	75	74	75	76	76	72	72
Final DGM Temperature °F	73	74	75	76	75	75	76	76	72	72
Average Temperature °F	72.5	73.5	75.0	75.5	74.5	75.0	76.0	76.0	72.0	72.0
Time Minutes	16	16	11	11	8	8	6	6	5	4
Time Seconds	10.37	9.40	10.69	10.25	27.29	26.68	35.56	31.53	38.47	46.66
Delta H@	1.804	1.800	1.820	1.819	1.926	1.924	1.951	1.951	2.000	2.000
Gamma (Y)	1.0121	1.0130	1.0107	1.0109	1.0094	1.0091	1.0133	1.0130	1.0073	1.0067
Average Gamma (Y)	Pass	**1.0125**	Pass	**1.0108**	Pass	**1.0092**	Pass	**1.0132**	Pass	**1.0070**
Delta H@ tolerance	Pass		Pass		Pass		Pass		Pass	

Gamma (Y)	**1.0105**
Delta H@	**1.899**

TRC

QA / QC Check: Sign and Date 08-03-22

Dry Gas Meter Temperature Display Calibration

Meter Box ID	**M16**	**Reference Calibrator**	**Omega-CL23A**
Date	**8/2/2022**	**Serial Number**	**T-235647**
Calibrated By	**P. Daley**	**Reference Calibration Date**	**12/3/2021**

Input Temperature		**Temperature Reading from Individual Thermocouple Input[1]**									
		Channel Number									
Deg. F	**Deg. R**	**1**	**% Diff**	**2**	**% Diff**	**3**	**% Diff**	**4**	**% Diff**	**5**	**% Diff**
0	460	2	**-0.4%**	2	**-0.4%**	1	**-0.2%**	1	**-0.2%**	1	**-0.2%**
50	510	50	**0.0%**	50	**0.0%**	49	**0.2%**	49	**0.2%**	49	**0.2%**
100	560	99	**0.2%**	99	**0.2%**	99	**0.2%**	99	**0.2%**	99	**0.2%**
500	960	499	**0.1%**	499	**0.1%**	499	**0.1%**	499	**0.1%**	499	**0.1%**
900	1360	901	**-0.1%**	902	**-0.1%**	901	**-0.1%**	901	**-0.1%**	901	**-0.1%**
1900	2360	1902	**-0.1%**	1901	**0.0%**	1901	**0.0%**	1901	**0.0%**	1901	**0.0%**
		Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass

1 - Channel temperatures must agree with +/- 5 °F or 3 °C

2 - Acceptable temperature difference is less than 1.5 %

Dry Gas Meter Thermocouple Calibration[3]

Readout Display Temperature oF	Reference Thermometer °F	Percent Difference	
72	73	**-0.2%**	Pass

3 - Dry gas meter thermicouple is compared to an ASTM type mercury in glass reference thermometer

TRC

QA / QC Check: Sign and Date 08-03-22

POST-TEST DRY GAS METER CALIBRATION
Calibrated Orifice Procedure

Project ID	**491281**	**Barometric Pressure**	**30.1**
Meter Box ID	**M16**	**Full Test Date**	**8/2/2022**
Date	**11/10/2022**	**Gamma (Y)**	**1.0105**
Calibrated By	**PFD**	**Delta H@**	**1.899**

	Run #1	Run #2	Run #3
Orifice ID		**BU-63**	
Orifice Coefficient K'		**0.5926**	
Ambient Temperature	72	72	72
	Meter Readings		
Vacuum (≥15.1" Hg)	20	20	20
Delta H	2.10	2.10	2.10
Initial Volume Ft^3	357.400	362.900	368.100
Final Volume Ft^3	362.600	367.900	373.100
Total (≥5 Ft^3)	5.200	5.000	5.000
Initial DGM Temperature ^oF	71	71	71
Final DGM Temperature ^oF	71	71	71
Average Temperature ^oF	71.0	71.0	71.0
Time Minutes	6	6	6
Time Seconds	46.69	31.28	31.78
Delta H@	1.995	1.995	1.995
Gamma (Y)	1.0029	1.0035	1.0048

Average Post-Test Gamma (Y)	**1.0037**
Full Calibration Gamma (Y)	**1.0105**
Percent Difference	**0.67%**

Pass

QA / QC Check: Sign and Date *Jon T. Howard* 12-28-22

Dry Gas Meter Temperature Display Calibration

Meter Box ID	**M16**	**Reference Calibrator**	**Omega-CL23A**
Date	**11/10/2022**	**Serial Number**	**T-235647**
Calibrated By	**PFD**	**Reference Calibration Date**	**12/3/2021**

Input Temperature		**Temperature Reading from Individual Thermocouple Input[1]**									
		Channel Number									
Deg. F	**Deg. R**	**1**	**% Diff**	**2**	**% Diff**	**3**	**% Diff**	**4**	**% Diff**	**5**	**% Diff**
0	460	1	**-0.2%**	0	**0.0%**	0	**0.0%**	1	**-0.2%**	1	**-0.2%**
50	510	51	**-0.2%**	51	**-0.2%**	51	**-0.2%**	51	**-0.2%**	51	**-0.2%**
100	560	100	**0.0%**	100	**0.0%**	100	**0.0%**	100	**0.0%**	100	**0.0%**
500	960	500	**0.0%**	500	**0.0%**	500	**0.0%**	500	**0.0%**	500	**0.0%**
900	1360	900	**0.0%**	900	**0.0%**	900	**0.0%**	900	**0.0%**	900	**0.0%**
1900	2360	1900	**0.0%**	1900	**0.0%**	1900	**0.0%**	1900	**0.0%**	1900	**0.0%**
		Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass

1 - Channel temperatures must agree with +/- 5 °F or 3 °C

2 - Acceptable temperature difference is less than 1.5 %

Dry Gas Meter Thermocouple Calibration[3]

Readout Display Temperature oF	Reference Thermometer °F	Percent Difference	
71	72	**-0.2%**	Pass

3 - Dry gas meter thermicouple is compared to an ASTM type mercury in glass reference thermometer

QA / QC Check: Sign and Date *Jon T. Howard 12-28-22*

Field Barometer Working Standard Accuracy Verification Check

Procedure 2: Calibration with National Weather Service Barometer at Nearby Station or Local Airport

Instrument Identification: **Manufacturer:** Sunnto

Model: Observer **Serial Number:** 14900524 **ID Number:** 0 **Owner:** J. Grizzle

Reference Standard:

Location of NWS Station or Airport Barometer: Savannah-Hilton Head International Airport (KSAV)

Certificate Information:

Analyst Full Name: J. Grizzle **Procedure:** SOP AM-CAL-008 **Accuracy Verification Date:** 9/14/2022 **Accuracy Verification Due Date:** 3/15/2023

Test Conditions: **Temp °C** 29 **RH%** 35

National Weather Service (NWS) Barometer

Corrected NWS Barometric Pressure	**29.98**	in. Hg (Pbr)
Elevation of NWS Barometer (above Sea Level)	**23**	feet (A)
Absolute NWS Barometric Pressure	**29.96**	in. Hg (Pbr)

(Station or Absolute Pbr is actual barometer reading at barometer elevation, uncorrected to sea level)

Location of Field Barometer

Elevation at Location (above Sea Level)	**52**	feet (B)

Altitude Correction:

Elevation of NWS Reference Barometer: (A)	23	feet
Elevation of Field Barometer: (B)	**52**	feet
Difference (A-B)	**-29**	feet

Correction of Reference Barometric Pressure (Pbr) to Location and Altitude of Field Barometer

Pbr calc = Pbr + [0.001 x (A-B)]

Pbr calc 29.96 + (0.001 * -29)

Pbr calc = 29.93

Pbr Calculated (from above):	29.93	in. Hg
Pb Field Barometer Reading:	**29.90**	in. Hg

Is Field Barometer within 0.1 in. Hg of Pbr Calculated? **Yes**

If no, adjust Field Barometer to Pbr Calculated.

QA/QC By: [signature] **Date:** 9/14/22

Maintaining Accuracy:

The accuracy of this instrument has been checked and found to be in tolerance unless otherwise noted. The instrument should provide accurate readings until the next accuracy verification due date. If this instrument is damaged or abused in any way, it should not be used for making measurements until its accuracy is checked and verified to be in tolerance.

TRC

Field Barometer Working Standard Accuracy Verification Check

Procedure 2: Calibration with National Weather Service Barometer at Nearby Station or Local Airport

Instrument Identification: Manufacturer: Sunnto

Model: Observer Serial Number: 14900524 ID Number: 0 Owner: J. Grizzle

Reference Standard:

Location of NWS Station or Airport Barometer: Denver International Airport

Certificate Information:

Analyst Full Name: J. Grizzle Procedure: SOP AM-CAL-008 Accuracy Verification Date: 11/14/2022 Accuracy Verification Due Date: 5/15/2023

Test Conditions: Temp °C 2 RH% 34

National Weather Service (NWS) Barometer

Corrected NWS Barometric Pressure	30.06	in. Hg (Pbr)
Elevation of NWS Barometer (above Sea Level)	5404	feet (A)
Absolute NWS Barometric Pressure	24.66	in. Hg (Pbr)

(Station or Absolute Pbr is actual barometer reading at barometer elevation, uncorrected to sea level)

Location of Field Barometer

Elevation at Location (above Sea Level)	5915	feet (B)

Altitude Correction:

Elevation of NWS Reference Barometer: (A)	5404	feet
Elevation of Field Barometer: (B)	5915	feet
Difference (A-B)	-511	feet

Correction of Reference Barometric Pressure (Pbr) to Location and Altitude of Field Barometer

Pbr calc = Pbr + [0.001 x (A-B)]

Pbr calc 24.66 + (0.001 * -511)

Pbr calc = 24.15

Pbr Calculated (from above):	24.15	in. Hg
Pb Field Barometer Reading:	24.15	in. Hg

Is Field Barometer within 0.1 in. Hg of Pbr Calculated? Yes

If no, adjust Field Barometer to Pbr Calculated.

QA/QC By: [signature] Date: 11/14/22

Maintaining Accuracy:

The accuracy of this instrument has been checked and found to be in tolerance unless otherwise noted. The instrument should provide accurate readings until the next accuracy verification due date. If this instrument is damaged or abused in any way, it should not be used for making measurements until its accuracy is checked and verified to be in tolerance.

APEX INSTRUMENTS

Revised: 2022/07/29

Certificate of Calibration

S-Type Pitot Tube Calibration

See the Code of Federal Regulations, Title 40, Part 60, Appendix A, Method 2, Item 4

Pitot Information

Pitot Type:	S
Pitot Serial #:	A10808
Jig ID:	APEX-WT-CAL
Blockage %:	< 2
Correction Factor:	1.00

Calibration Conditions

Bar. Pressure (in Hg):	30.08
Elevation (ft):	407
Adj. Bar. Pressure (in Hg):	29.67
Static Pressure (in H20):	-0.6
Tunnel Velocity (ft/s):	50
Tunnel Temperature (°F):	74
Humidity (%):	56

Reference Pitot Information

Std. Pitot Type	Ellipsoidal
Cp(std):	0.990
Serial #:	APEX-RP1

Run No.	Side "A" Calibration: Δ Pstd in H20	Δ Ps in H20	Cp(s)	Deviation Cp(s) - avg.Cp(s)
1	0.560	0.774	0.842	-0.003
2	0.562	0.770	0.846	0.001
3	0.562	0.768	0.847	0.002
		"A" Average	0.845	0.003 (must be ≤ 0.01)

Run No.	Side "B" Calibration: Δ Pstd in H20	Δ Ps in H20	Cp(s)	Deviation Cp(s) - avg.Cp(s)
1	0.561	0.842	0.808	0.000
2	0.562	0.844	0.808	0.000
3	0.564	0.846	0.808	0.000
		"B" Average	0.808	0.000 (must be ≤ 0.01)

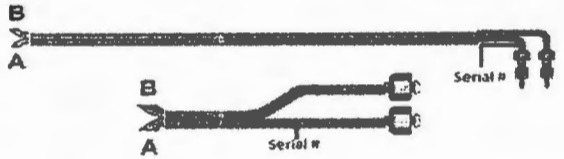
TRC Pitot ID# RPTI-8A

Average	Acceptance	Overall Avg
* Use A or B avg	Criteria	0.827

AVG. Cp(A) - AVG. Cp(B) must be ≤ 0.01

If the Average and both Deviation Averages "A" & "B" are ≤ 0.01, then the OVERALL AVERAGE above may be used

*** If NOT, use the "A" Average OR "B" Average.**



$$C_{p(s)} = C_{p(std)} \cdot \frac{\Delta p_{std}}{\Delta p_s}$$

$$\text{Deviation} = C_{p(s)} - C_p(A)$$

$$\text{Avg Dev} = \sigma(A) = \frac{\sum_{1}^{3} [C_{p(s)} - C_p(A)]}{3}$$

Technician: Tracy Wilson

Signature:

Date: 9/1/2022

I certify that the above pitot tube was tested in accordance with the US EPA Method 2 standards

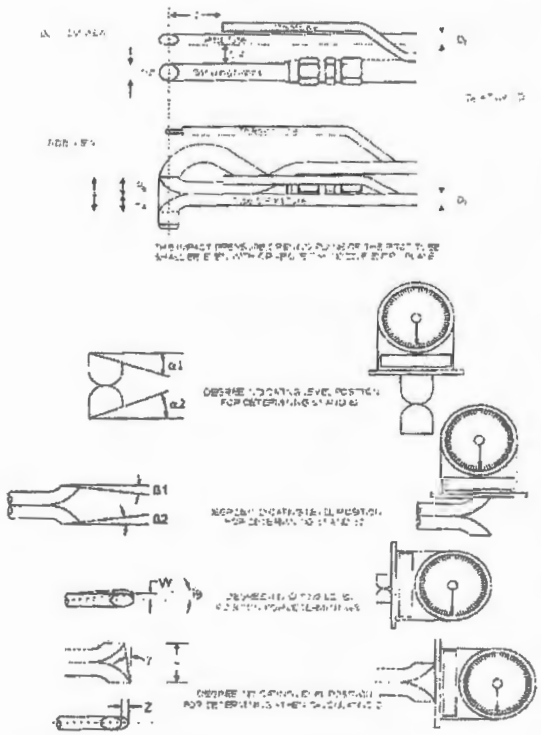
APEX SOURCE TESTING EQUIPMENT INSTRUMENTS

Revised: 2020/09/16

Certificate of Calibration

S-Type Geometric Pitot Tube Calibration

See the Code of Federal Regulations, Title 40, Part 60, Appendix A, Method 2, Item 4



PITOT TUBE/PROBE # A10808

Parameter	Value	Allowable Range	Check
Assembly Level?	y	Yes, Y	PASS
Ports Damaged?	n	No, N	PASS
$\alpha 1$	0	$-10° < \alpha 1 < +10°$	PASS
$\alpha 2$	0	$-10° < \alpha 2 < +10°$	PASS
$\beta 1$	0	$-5° < b1 < +5°$	PASS
$\beta 2$	1	$-5° < \beta 2 < +5°$	PASS
γ	0	N/A	-
θ	0	N/A	-
Dt	0.375	.188" to .375"	PASS
A	0.857	$2.1D_t \leq A \leq 3D_t$	PASS
A/2Dt	1.143	$1.05 \leq P_A/D_t \leq 1.5$	PASS
$Z = A \tan \gamma$	0.000	$Z \leq .125"$	PASS
$W = A \tan \theta$	0.000	$W \leq .031"$	PASS

Certified by: KP Karl Perkins 8/31/2022

Technician Signature Calibration Date

I certify that pitot tube/probe number A10808 meets or exceeds all specifications, criteria and/or applicable design features and is hereby assigned a pitot tube certification factor of 0.84. See 40 CFR Pt. 60, App. A, EPA Method 2.

The factory, geometric calibration performed by Apex Instruments is valid until initial field use by the end user; this is under the assumption that the pitot tube is in the same physical condition as it was when calibrated. The end user may use the purchase date (or placed into service date) as a way to track initial and ensuing annual calibrations. A geometric calibration should be performed following each subsequent field use.

Purchase Date

Apex Instruments - Address: 2014 Technology Park Ln., Fuquay-Varina, NC 27526 USA | Tel: (919) 557-7300 Web: www.apexinst.com

POST-TEST TYPE S PITOT TUBE INSPECTION

(See SOP AM-CAL-006 for Instructions)

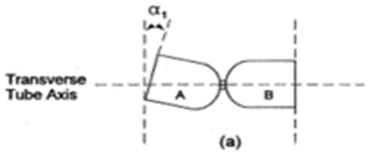
Pitot Tube No. : RPTI- 8A Date: 10/31/2022 Analyst: DMW

Project Number: _____ Client: _____ Test Location: _____

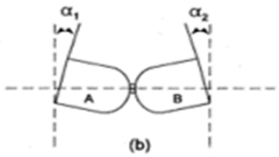
Type S Pitot tube face openings meet alignment specifications illustrated in Figures 2-2 and 2-3 of Method 2?

x yes _____ no

Comments: RPTI- 8A/ RPI 8A/ RTC 8A



Limit:
$\alpha_1 < 10°$



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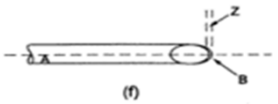
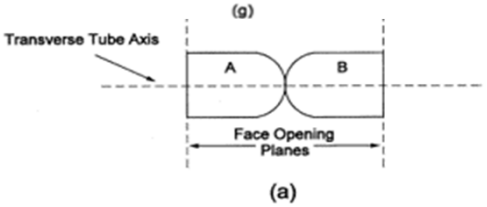
$\alpha_2 < 10°$

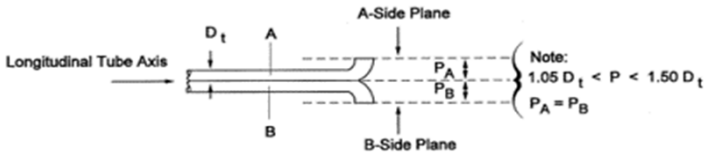


Limit:
$Z \leq 1/8\ (0.125)$ inch

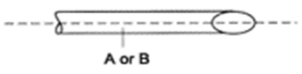
Limit:
$W \leq 1/32\ (0.0132)$ inch



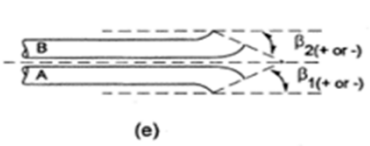
Requirement:
Face opening planes perpendicular to transverse axis



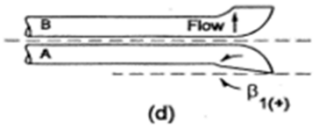
Requirement:
Face opening planes parallel to longitudinal axis



Requirement:
Both legs of equal length and centerlines coincident when viewed from both sides.



Limit:
$\beta_1 < 5°$
$\beta_2 < 5°$



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APEX INSTRUMENTS
Revised: 2022/07/29

Certificate of Calibration

S-Type Pitot Tube Calibration

See the Code of Federal Regulations, Title 40, Part 60, Appendix A, Method 2, Item 4

Pitot Information

Pitot Type:	S
Pitot Serial #:	A10810
Jig ID:	APEX-WT-CAL
Blockage%:	< 2
Correction Factor:	1.00

Calibration Conditions

Bar. Pressure (in Hg):	30.08
Elevation (ft):	407
Adj. Bar. Pressure (in Hg):	29.67
Static Pressure (in H20):	-0.6
Tunnel Velocity (ft/s):	50
Tunnel Temperature (°F):	74
Humidity (%):	58

Reference Pitot Information

Std. Pitot Type	Ellipsoidal
Cp(std):	0.990
Serial #	APEX-RP1

Side "A" Calibration

Run No.	Δ Pstd in H20	Δ Ps in H20	Cp(s)	Deviation Cp(s) - avg Cp(s)
1	0.567	0.796	0.836	0.001
2	0.565	0.793	0.836	0.001
3	0.563	0.797	0.832	-0.002
"A" Average			0.834	0.002

(must be ≤ 0.01)

Side "B" Calibration

Run No.	Δ Pstd in H20	Δ Ps in H20	Cp(s)	Deviation Cp(s) - avg Cp(s)
1	0.566	0.835	0.815	-0.001
2	0.567	0.836	0.815	0.000
3	0.567	0.833	0.817	0.001
"B" Average			0.816	0.001

(must be ≤ 0.01)

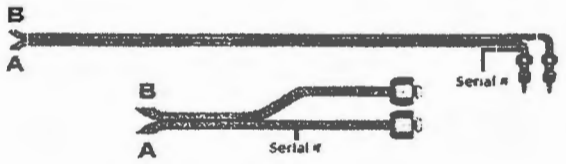
TRC Pitot ID# RPTI-8B

Average	Acceptance	Overall Avg
* Use A or B avg	Criteria	0.825

AVG. Cp(A) - AVG. Cp(B) must be ≤ 0.01

If the Average and both Deviation Averages "A" & "B" are ≤ 0.01, then the OVERALL AVERAGE above may be used

*** If NOT, use the "A" Average OR "B" Average.**



$$C_{p(s)} = C_{p(std)} \frac{\Delta p_{std}}{\Delta p_s}$$

Deviation $C_{p(s)} - C_p(A)$

Avg Dev $\sigma(A) \quad \frac{\sum_{1}^{3} [C_{p(s)} - C_p(A)]}{3}$

Technician: Tracy Wilson Signature: Date: 9/1/2022

I certify that the above pitot tube was tested in accordance with the US EPA Method 2 standards

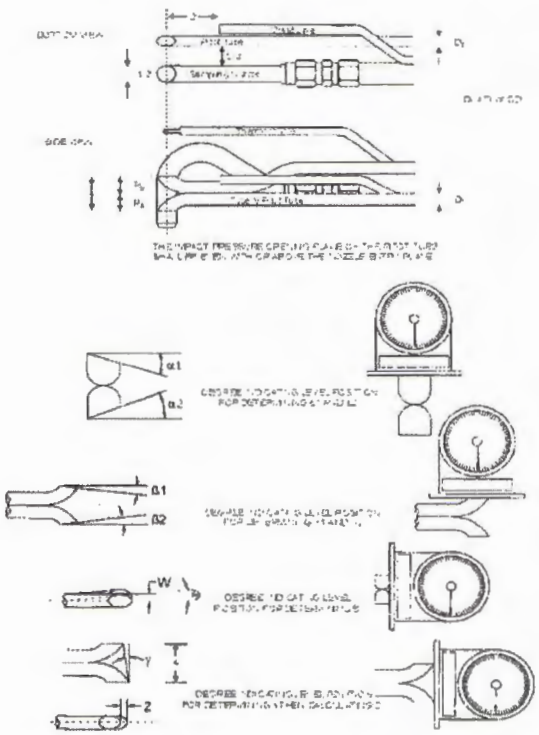
APEX INSTRUMENTS SOURCE TESTING EQUIPMENT

Revised: 2020/09/16

Certificate of Calibration

S-Type Geometric Pitot Tube Calibration

See the Code of Federal Regulations, Title 40, Part 60, Appendix A, Method 2 Item 4



PITOT TUBE/PROBE # A10810

Parameter	Value	Allowable Range	Check
Assembly Level?	y	Yes, Y	PASS
Ports Damaged?	n	No, N	PASS
$\alpha 1$	0	$-10° < \alpha 1 < +10°$	PASS
$\alpha 2$	1	$-10° < \alpha 2 < +10°$	PASS
$\beta 1$	1	$-5° < b1 < +5°$	PASS
$\beta 2$	0	$-5° < \beta 2 < +5°$	PASS
γ	1	N/A	-
θ	0	N/A	-
Dt	0.375	.188" to .375"	PASS
A	0.860	$2.1D_t \leq A \leq 3D_t$	PASS
A/2Dt	1.147	$1.05 \leq P_A/D_t \leq 1.5$	PASS
$Z = A \tan \gamma$	0.015	$Z \leq .125"$	PASS
$W = A \tan \theta$	0.000	$W \leq .031"$	PASS

Certified by: KP Karl Perkins 8/31/2022

Technician Signature Calibration Date

I certify that pitot tube/probe number A10810 meets or exceeds all specifications, criteria and/or applicable design features and is hereby assigned a pitot tube certification factor of 0.84. See 40 CFR Pt. 60, App. A, EPA Method 2.

The factory, geometric calibration performed by Apex Instruments is valid until initial field use by the end user; this is under the assumption that the pitot tube is in the same physical condition as it was when calibrated. The end user may use the purchase date (or placed into service date) as a way to track initial and ensuing annual calibrations. A geometric calibration should be performed following each subsequent field use.

Purchase Date

Apex Instruments - Address: 204 Technology Park Ln., Fuquay-Varina, NC 27526 USA | Tel: (919) 557-7300 Web: www.apexinst.com

POST-TEST TYPE S PITOT TUBE INSPECTION

(See SOP AM-CAL-006 for Instructions)

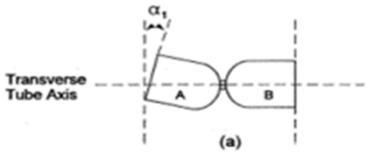
Pitot Tube No. : RPTI- 8B Date: 10/31/2022 Analyst: DMW

Project Number: _____ Client: _____ Test Location: _____

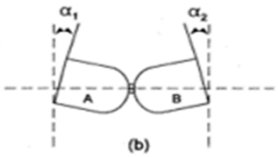
Type S Pitot tube face openings meet alignment specifications illustrated in Figures 2-2 and 2-3 of Method 2?

x yes _____ no

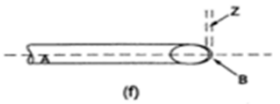
Comments: RPTI- 8B/ RPI 8B/ RTC 8B



Limit:
$\alpha_1 < 10°$

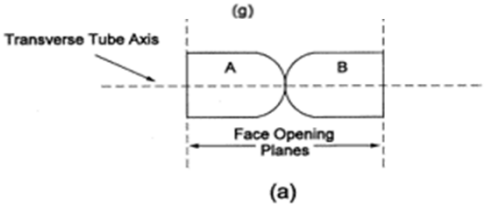


Limit:
$\alpha_2 < 10°$

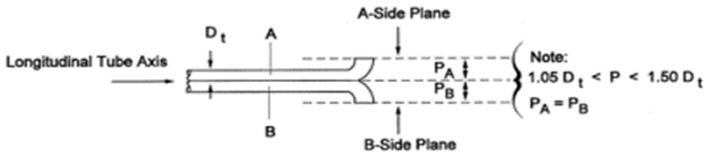


Limit:
$Z \leq 1/8\ (0.125)$ inch

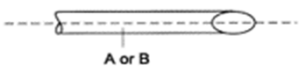
Limit:
$W \leq 1/32\ (0.0132)$ inch



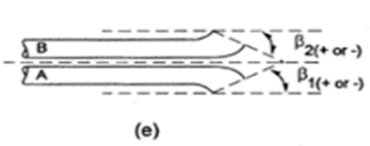
Requirement:
Face opening planes perpendicular to transverse axis



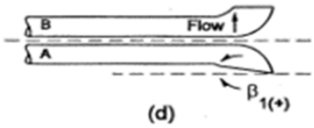
Requirement:
Face opening planes parallel to longitudinal axis



Requirement:
Both legs of equal length and centerlines coincident when viewed from both sides.



Limit:
$\beta_1 < 5°$
$\beta_2 < 5°$



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Top Loading Field Balance Check

Analyst:	W. McKibben
Project Number:	491281.0000.0000
Client:	Georgia Power - McIntosh Plant
Test Location:	Rincon, GA

(See SOP AM-CAL-009 for instructions)

Type of Scale	OHAUS Scout Pro
Scale ID#	M4-20

Tolerance (g) = +/- 0.5

Date	Reference Weight Serial Number	Nominal Weight Value* (g)	Weight Found (g)	Difference	Pass
9/12/22	FW500-1	500.0	499.7	0.3	Y
9/13/22	↓	↓	499.7	0.3	Y
9/14/22			499.7	0.3	Y
9/15/22			499.8	0.2	Y
9/16/22			499.6	0.4	Y
9/17/22			499.7	0.3	Y
9/19/22	↓	↓	499.6	0.4	Y

*Weight (ASTM Class 6 or better) must be at least 500 g or within 50 g of loaded impinger.

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Top Loading Field Balance Check

Analyst:	W. McKibben
Project Number:	491281.0000.0000
Client:	Georgia Power - McIntosh Plant
Test Location:	Rincon, GA

(See SOP AM-CAL-009 for instructions)

Type of Scale	OHAUS SCOUT PRO
Scale ID#	M4-20

Tolerance (g) = +/- 0.5

Date	Reference Weight Serial Number	Nominal Weight Value* (g)	Weight Found (g)	Difference	Pass
9/20/22	FW50D-1	500.0	499.7	0.3	Y
9/21/22	↓	↓	499.6	0.4	Y
9/22/22			499.7	0.3	Y
9/26/22			499.7	0.3	Y
9/27/22			499.6	0.4	Y
	↓	↓			

*Weight (ASTM Class 6 or better) must be at least 500 g or within 50 g of loaded impinger.

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Analyzer Interference Test Data

Analyzer Interference and Manufacturer Stability Tests

In an effort to assist our customers with meeting the requirements of the Instrumental Methods for testing 3A, 6C, 7E, 10, and 20, we are providing a summary of interferences for certain Thermo Fisher Scientific analyzers.

The requirement for conducting analyzer interference checks for potential interfering gases is the responsibility of the testing organizations. The Methods do, however, allow for the manufacturer of instruments to provide this data. Tests are required to be conducted on the same "make and model" as those being used for method testing.

The information contained in the accompanying tables pertains to the "make" of analyzers under the name of Thermo Electron Corporation, Thermo Environmental Instruments, and Thermo Scientific. The "model" of analyzers are: Model 42 for NO, NO_2, NO_x, Model 43 for SO_2, Model 48 for CO, and Model 410 for CO_2. The specific pollutant detection and analytical technology for each of the above listed specific models have remained the same for various series of analyzers manufactured over the past years. Therefore the interference test results shown for the iQ series analyzers in this document would produce essentially the same results for iSeries and earlier series of these models.

The potential interference gas test results shown in the following tables indicate that none of the Thermo Scientific analyzers tested have a collective analytical detection interference that would sum more than 0.5% of the analyzer span value. The acceptance criterion based on Section 13.4 of Method 7E, states that the sum of the responses must not be greater than 2.5% of the analyzer calibration value.

If you have any questions regarding the information contained herein, please do not hesitate to contact us.

Mike Loncar
Sr. Product Line Manager, Environmental Analyzers
Environmental & Process Monitoring

Thermo Fisher Scientific
27 Forge Parkway | Franklin, MA 02038
Phone +1 (508) 553-1651 | Mobile +1 (508) 641-4629
michael.loncar@thermofisher.com | www.thermofisher.com

ThermoFisher SCIENTIFIC

thermoscientific

Manufacturer's Stability Test

Thermo Fisher Scientific certifies that the 42iQ Series of analyzers and the 48iQ analyzer have been tested in accordance with the USEPA procedures outlined in 40 CFR Part 52.23, as well as Methods 7E and 10, and have the results shown below:

Test Description	**Acceptance Criteria**	**Results: 42iQ Family**	**Results: 48iQ**
Thermal Stability	Drift ≤ 3% of Range @ 80% of Range	Drift < 2% of Range @ 80% of Range between 0 and 40 C	Drift < 2% of Range @ 80% of Range between 5 and 45 C
Fault Conditions	Alarm if conditions result in performance outside of compliance	Visible and electronic alarms are a standard feature	
Insensitivity to Supply Voltage Variations	±10% variation from nominal voltage produces drift ≤ 2% of span @ 80% of Range	< 1% deviation from span for voltage change from 90 VAC to 130 VAC	
Analyzer Calibration Error	(Response-Span Value) ≤ 2% of Span Value for high, medium and low calibration gas	< 2% of Calibration Span	

ThermoFisher SCIENTIFIC

Thermo Scientific Model 48iQ CO Analyzer
Potential Interferent Gas Responses

Potential Interferent		Model 48iQ
Test Gas	Concentration	As ppm CO
CO_2	5%	-0.2
CO_2	15%	-0.5
H_2O	3%	0.2
NO	10 ppm	0.1
NO_2	38 ppm	-0.1
N_2O	10 ppm	-0.1
CO	507 ppm	508.0
SO_2	27 ppm	-0.1
CH_4	50 ppm	-0.1
HCl	160 ppm	0.0
NH_3	9 ppm	-0.1
Sum of Responses		1.6
Span Value		507
% of Calibration Span		0.32%

Note: Acceptance criterion based on Section 13.4 of Method 7E, states that the sum of the responses must not be greater than 2.5% of the analyzer calibration value.

ANALYZER INTERFERENCE RESPONSE TEST

USEPA Reference Method: _____3A_____ Analyzer Type: _____O_2_____

Analyzer Manufacturer: _____Servomex__ Model Number: _____1440_____

Analyzer Span: _____0-25%_____

Test Performed by: _____D. Grabowski____ Date: _____1/23/1998_____

Interference Gas	Interference Gas Concentration	Affect of Interference Gas on Analyzer	
		Analyzer Response, ppm	Percent of Span
NO_x	498.0 ppm	0.02	0.08
SO_2	208.9 ppm	0.02	0.08
CO	450.7 ppm	0.00	0.00
CO_2	10.06%	0.00	0.00
O_2	22.5%	--	--
	Total Response (sum)	0.04	0.16

Total affect on analyzer reading must be < 2% of analyzer span.

Detailed interference response test data is maintained on file and is available upon request.

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ANALYZER INTERFERENCE RESPONSE TEST

USEPA Reference Method: 3A Analyzer Type: CO_2

Analyzer Manufacturer: Servomex Model Number: 1440

Analyzer Span: 0-20%

Test Performed by: D. Grabowski Date: 1/23/1998

Interference Gas	Interference Gas Concentration	Affect of Interference Gas on Analyzer	
		Analyzer Response, ppm	Percent of Span
NO_x	498.0 ppm	-0.02	-0.10
SO_2	208.9 ppm	-0.02	-0.10
CO	450.7 ppm	-0.02	-0.10
CO_2	10.06%	--	--
O_2	22.5%	-0.02	-0.10
	Total Response (sum)	-0.08	-0.40

Total affect on analyzer reading must be < 2% of analyzer span.

Detailed interference response test data is maintained on file and is available upon request.

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Calibration Gas Certificates

Airgas
an Air Liquide company

Airgas Southwest region
Airgas USA LLC
801 W Carrier Pkwy
Grand Prairie, TX 75050
Airgas.com

CERTIFICATE OF BATCH ANALYSIS

Grade of Product: ULTRA HIGH PURITY-PURE

Part Number:	NI UHP15A	Reference Number:	157-402293026-1
Cylinder Analyzed:	EB0141785	Cylinder Volume:	142.0 CF
Laboratory:	107 - Grand Prairie - TX	Cylinder Pressure:	2000 PSIG
Analysis Date:	Nov 23, 2021	Valve Outlet:	580
Lot Number:	157-402293026-1		

ANALYTICAL RESULTS

Component	Requested Purity	Certified Concentration
NITROGEN	99.999 %	99.999 %
CO + CO2	1.0 PPM	0.42 PPM
Moisture	1.0 PPM	0.45 PPM
Oxygen	1.0 PPM	0.98 PPM
THC	0.5 PPM	0.09 PPM

Cylinders in Batch:

ALM-050814, CC 706693, CC152897, CC246, CC424585, CC431934, CC452040, CC706644, CC8871, EB0061516, EB0112948, EB0117418, EB0141785, SG9114667BAL, TW08-538924

Impurities verified against analytical standards traceable to NIST by weight and/or analysis.

Signature on file

Approved for Release

Airgas
an Air Liquide company

Airgas Specialty Gases
Airgas USA LLC
630 United Drive
Durham, NC 27713
Airgas.com

CERTIFICATE OF ANALYSIS

Grade of Product: EPA PROTOCOL STANDARD

Part Number:	E04NI90E15A00F8	Reference Number:	122-402429008-1
Cylinder Number:	CC463842	Cylinder Volume:	149.0 CF
Laboratory:	124 - Durham (SAP) - NC	Cylinder Pressure:	2015 PSIG
PGVP Number:	B22022	Valve Outlet:	660
Gas Code:	CO2,CO,NO,NOX,BALN	Certification Date:	May 10, 2022

Expiration Date: May 10, 2025

Certification performed in accordance with "EPA Traceability Protocol for Assay and Certification of Gaseous Calibration Standards (May 2012)" document EPA 600/R-12/531, using the assay procedures listed. Analytical Methodology does not require correction for analytical interference. This cylinder has a total analytical uncertainty as stated below with a confidence level of 95%. There are no significant impurities which affect the use of this calibration mixture. All concentrations are on a mole/mole basis unless otherwise noted.

Do Not Use This Cylinder below 100 psig, i.e. 0.7 megapascals.

ANALYTICAL RESULTS

Component	Requested Concentration	Actual Concentration	Protocol Method	Total Relative Uncertainty	Assay Dates
NOX	11.50 PPM	11.54 PPM	G1	+/- 1.3% NIST Traceable	05/03/2022, 05/10/2022
CARBON MONOXIDE	11.50 PPM	11.60 PPM	G1	+/- 0.9% NIST Traceable	05/03/2022
NITRIC OXIDE	11.50 PPM	11.53 PPM	G1	+/- 1.3% NIST Traceable	05/03/2022, 05/10/2022
CARBON DIOXIDE	9.000 %	8.993 %	G1	+/- 0.7% NIST Traceable	05/03/2022
NITROGEN	Balance				

CALIBRATION STANDARDS

Type	Lot ID	Cylinder No	Concentration	Uncertainty	Expiration Date
NTRM	21060423	CC365332	9.942 PPM CARBON MONOXIDE/NITROGEN	+/- 0.8%	Jul 23, 2027
PRM	C194051001	D887660	9.91 PPM NITROGEN DIOXIDE/AIR	+/- 2.0%	Feb 02, 2022
NTRM	20060417	ND47935	20.72 PPM NITRIC OXIDE/NITROGEN	+/- 1.0%	Apr 27, 2023
GMIS	1534002020105	EB0130069	4.912 PPM NITROGEN DIOXIDE/NITROGEN	+/- 2.0%	Apr 30, 2024
NTRM	08010610	K005088	13.94 % CARBON DIOXIDE/NITROGEN	+/- 0.6%	Jan 30, 2024

The SRM, PRM or RGM noted above is only in reference to the GMIS used in the assay and not part of the analysis.

ANALYTICAL EQUIPMENT

Instrument/Make/Model	Analytical Principle	Last Multipoint Calibration
Nicolet iS50 AUP2010249 CO2	FTIR	Apr 20, 2022
SIEMENS ULTRAMAT 6 N1M6726	Nondispersive Infrared (NDIR)	Apr 06, 2022
Nicolet iS50 AUP2010249 NO	FTIR	Apr 20, 2022
Nicolet iS50 AUP2010249 NO2	FTIR	Apr 20, 2022

Triad Data Available Upon Request

Signature on file

Approved for Release

Airgas
an Air Liquide company

Airgas Specialty Gases
Airgas USA LLC
630 United Drive
Durham, NC 27713
Airgas.com

CERTIFICATE OF ANALYSIS

Grade of Product: EPA PROTOCOL STANDARD

Part Number:	E04NI90E15A0048	Reference Number:	122-402094759-1
Cylinder Number:	CC488035	Cylinder Volume:	149.2 CF
Laboratory:	124 - Durham (SAP) - NC	Cylinder Pressure:	2015 PSIG
PGVP Number:	B22021	Valve Outlet:	660
Gas Code:	CO,CO2,NO,NOX,BALN	Certification Date:	May 03, 2021

Expiration Date: May 03, 2024

Certification performed in accordance with "EPA Traceability Protocol for Assay and Certification of Gaseous Calibration Standards (May 2012)" document EPA 600/R-12/531, using the assay procedures listed. Analytical Methodology does not require correction for analytical interference. This cylinder has a total analytical uncertainty as stated below with a confidence level of 95%. There are no significant impurities which affect the use of this calibration mixture. All concentrations are on a mole/mole basis unless otherwise noted.

Do Not Use This Cylinder below 100 psig, i.e. 0.7 megapascals.

ANALYTICAL RESULTS

Component	Requested Concentration	Actual Concentration	Protocol Method	Total Relative Uncertainty	Assay Dates
NOX	22.50 PPM	22.87 PPM	G1	+/- 1.4% NIST Traceable	04/26/2021, 05/03/2021
CARBON MONOXIDE	22.50 PPM	22.83 PPM	G1	+/- 0.8% NIST Traceable	04/27/2021
NITRIC OXIDE	22.50 PPM	22.85 PPM	G1	+/- 1.3% NIST Traceable	04/26/2021, 05/03/2021
CARBON DIOXIDE	9.000 %	8.976 %	G1	+/- 0.6% NIST Traceable	04/26/2021
NITROGEN	Balance				

CALIBRATION STANDARDS

Type	Lot ID	Cylinder No	Concentration	Uncertainty	Expiration Date
NTRM	19060809	CC714855	26.69 PPM CARBON MONOXIDE/NITROGEN	+/- 0.7%	Jun 04, 2025
PRM	12386	D685025	9.91 PPM NITROGEN DIOXIDE/AIR	+/- 2.0%	Feb 20, 2020
NTRM	20061110	CC708026	49.82 PPM NITRIC OXIDE/NITROGEN	+/- 1.0%	Feb 02, 2025
GMIS	401423838102	CC505581	4.348 PPM NITROGEN DIOXIDE/NITROGEN	+/- 2.1	Feb 18, 2023
NTRM	19060407	6162665Y	11.105 % CARBON DIOXIDE/NITROGEN	+/- 0.6%	Dec 04, 2025

The SRM, PRM or RGM noted above is only in reference to the GMIS used in the assay and not part of the analysis.

ANALYTICAL EQUIPMENT

Instrument/Make/Model	Analytical Principle	Last Multipoint Calibration
Nicolet 6700 AHR0801333 CO2	FTIR	Apr 07, 2021
SIEMENS ULTRAMAT 6 N1M6726	Nondispersive Infrared (NDIR)	Apr 07, 2021
Nicolet 6700 AHR0801333 NO	FTIR	Apr 07, 2021
Nicolet 6700 AHR0801333 NO2	FTIR	Apr 07, 2021

Triad Data Available Upon Request

Signature on file

Approved for Release

RED BALL TECHNICAL GAS SERVICES

PJLA Calibration and Testing
Accreditation #62754

Red Ball Technical Gas Service
555 Craig Kennedy Way
Shreveport, LA 71107
800-551-8150
PGVP Vendor ID # G12021

EPA PROTOCOL GAS CERTIFICATE OF ANALYSIS

Cylinder Number:	EB0084144	**Certification Date**:	07/09/2021
Product ID Number:	124300	**Expiration Date:**	07/07/2029
Cylinder Pressure:	1900 PSIG	**MFG Facility:**	- Shreveport - LA
COA #	EB0084144.20210628-0	**Lot Number:**	EB0084144.20210628
Customer PO. NO.:		**Tracking Number:**	083079456
Customer:		**Previous Certification Dates:**	

This calibration standard has been certified per the May 2012 EPA Traceability Protocol, Document EPA-600/R-12/531, using procedure G1.

Do Not Use This Cylinder Below 100 psig (0.7 Megapascal).

Certified Concentration(s)

Component	Concentration	Uncertainty	Analytical Principle	Assayed On
Carbon Dioxide	**9.83 %**	±0.09 %	NDIR	07/02/2021
Oxygen	**10.00 %**	±0.05 %	MPA	07/09/2021
Nitrogen	Balance			

Analytical Measurement Data Available Online.

Reference Standard(s)

Serial Number	Lot	Expiration	Type	Balance	Component	Concentration	Uncertainty(%)	NIST Reference
CC729793	CC729793.20201022	04/06/2029	GMIS	N2	O2	20.01 %	0.115	SRM 2659a
EB0007615	EB0007615.20190610	11/24/2027	GMIS	N2	CO2	24.71 %	0.274	C1579010.02
EB0046512	EB0046512.20190408	12/03/2027	GMIS	N2	O2	9.31 %	0.254	2659a

Analytical Instrumentation

Component	Principle	Make	Model	Serial	MPC Date
CO2	NDIR	Thermo	410i	1162980025	07/02/2021
O2	MPA	Thermo	410i	1162980025	06/25/2021

SMART-CERT

This is to certify the gases referenced have been calibrated/tested, and verified to meet the defined specifications. This calibration/test was performed using Gases or Scales that are traceable through National Institute of Standards and Technology (NIST) to the International System of Units (SI). The basis of compliance stated is a comparison of the measurement parameters to the specified or required calibration/testing process. The expanded uncertainties use a coverage factor of k=2 to approximate the 95% confidence level of the measurement, unless otherwise noted. This calibration certificate applies only to the item described and shall not be reproduced other than in full, without written approval from Red Ball Technical Gas Services. If not included, the uncertainty of calibrations are available upon request and were taken into account when determining pass or fail.

Amisha Jewitt
Analytical Chemist
Assay Laboratory: Red Ball TGS
Version 02-J, Revised on 2018-09-17

Red Ball Technical Gas Service
555 Craig Kennedy Way
Shreveport, LA 71107
800-551-8150
PGVP Vendor ID # G12019

PJLA Calibration and Testing
Accreditation #62754

EPA PROTOCOL GAS CERTIFICATE OF ANALYSIS

Cylinder Number:	CC719835	**Certification Date**:	09/17/2019
Product ID Number:	123956	**Expiration Date:**	09/15/2027
Cylinder Pressure:	1900 PSIG	**MFG Facility:**	- Shreveport - LA
COA #	CC719835.20190912-0	**Lot Number:**	CC719835.20190912
Customer PO. NO.:		**Tracking Number:**	098508086
Customer:		**Previous Certification Dates:**	

This calibration standard has been certified per the May 2012 EPA Traceability Protocol, Document EPA-600/R-12/531, using procedure G1.

Do Not Use This Cylinder Below 100 psig (0.7 Megapascal).

Certified Concentration(s)

Component	Concentration	Uncertainty	Analytical Principle	Assayed On
Carbon Dioxide	**21.7 %**	±0.16 %	NDIR	09/17/2019
Oxygen	**22.0 %**	±0.12 %	MPA	09/16/2019
Nitrogen	Balance			

Analytical Measurement Data Available Online.

Reference Standard(s)

Serial Number	Lot	Expiration	Type	Balance	Component	Concentration	Uncertainty(%)	NIST Reference
EB0069971	EB0069971.20180504	07/21/2026	GMIS	N2	O2	24 %	0.497	071001
EB0097768	EB0097768.20171018	02/06/2026	GMIS	N2	CO2	24.8 %	0.398	C1309410.01

Analytical Instrumentation

Component	Principle	Make	Model	Serial	MPC Date
O2	MPA	Thermo	410i	1162980025	09/06/2019
CO2	NDIR	Thermo	410i	1162980025	08/28/2019

SMART-CERT

This is to certify the gases referenced have been calibrated/tested, and verified to meet the defined specifications. This calibration/test was performed using Gases or Scales that are traceable through National Institute of Standards and Technology (NIST) to the International System of Units (SI). The basis of compliance stated is a comparison of the measurement parameters to the specified or required calibration/testing process. The expanded uncertainties use a coverage factor of k=2 to approximate the 95% confidence level of the measurement, unless otherwise noted. This calibration certificate applies only to the item described and shall not be reproduced other than in full, without written approval from Red Ball Technical Gas Services. If not included, the uncertainty of calibrations are available upon request and were taken into account when determining pass or fail.

Amisha Jewitt
Analytical Chemist
Assay Laboratory: Red Ball TGS
Version 02-J, Revised on 2018-09-17

Airgas Specialty Gases
Airgas USA LLC
6141 Easton Road
Plumsteadville, PA 18949
Airgas.com

CERTIFICATE OF ANALYSIS

Grade of Product: CERTIFIED STANDARD-SPEC

Part Number:	X03NI99C15A02X4	Reference Number:	160-402497981-1
Cylinder Number:	CC481228	Cylinder Volume:	144.0 CF
Laboratory:	124 - Plumsteadville - PA	Cylinder Pressure:	2015 PSIG
Analysis Date:	Aug 04, 2022	Valve Outlet:	350SS
Lot Number:	160-402497981-1		

Expiration Date: Aug 04, 2023

Product composition verified by direct comparison to calibration standards traceable to N.I.S.T. weights and/or N.I.S.T. Gas Mixture reference materials.

ANALYTICAL RESULTS

Component	Req Conc	Actual Concentration (Mole %)	Analytical Uncertainty
FORMALDEHYDE	1.000 PPM	1.011 PPM	+/- 10%
SULFUR HEXAFLUORIDE	5.000 PPM	5.010 PPM	+/- 5%
NITROGEN	Balance		

Signature on file

Approved for Release

Airgas Specialty Gases
Airgas USA LLC
6141 Easton Road
Plumsteadville, PA 18949
Airgas.com

CERTIFICATE OF ANALYSIS

Grade of Product: CERTIFIED STANDARD-SPEC

Part Number:	X03NI99C15A01B1	Reference Number:	160-402497982-1A
Cylinder Number:	CC506386	Cylinder Volume:	144.3 CF
Laboratory:	124 - Plumsteadville - PA	Cylinder Pressure:	2015 PSIG
Analysis Date:	Aug 09, 2022	Valve Outlet:	330
Lot Number:	160-402497982-1A		

Expiration Date: Aug 09, 2024

Product composition verified by direct comparison to calibration standards traceable to N.I.S.T. weights and/or N.I.S.T. Gas Mixture reference materials.

ANALYTICAL RESULTS

Component	Req Conc	Actual Concentration (Mole %)	Analytical Uncertainty
SULFUR HEXAFLUORIDE	5.000 PPM	5.013 PPM	+/- 5%
HYDROGEN CHLORIDE	25.00 PPM	23.78 PPM	+/- 5%
NITROGEN	Balance		

Signature on file

Approved for Release

CERTIFICATE OF ANALYSIS

Grade of Product: CERTIFIED STANDARD-SPEC

Customer:	TRC ENVIRONMENTAL CORP - LA PORT E , TX		
Part Number:	X02NI99C15A1268	Reference Number:	126-401741349-1
Cylinder Number:	CC712186	Cylinder Volume:	144.4 CF
Laboratory:	124 - La Porte Mix - TX	Cylinder Pressure:	2015 PSIG
Analysis Date:	Feb 20, 2020	Valve Outlet:	350
Lot Number:	126-401741349-1		

Expiration Date: Feb 20, 2023

Product composition verified by direct comparison to calibration standards traceable to N.I.S.T. weights and/or N.I.S.T. Gas Mixture reference materials.

ANALYTICAL RESULTS

Component	Req Conc	Actual Concentration (Mole %)	Analytical Uncertainty
ETHYLENE	100.0 PPM	98.72 PPM	+/- 2%
NITROGEN	Balance		

Notes:TRC ENVIRONMENTAL CORP
PO#: 149535

Signature on file

Approved for Release

Airgas Specialty Gases
Airgas USA LLC
6141 Easton Road
Plumsteadville, PA 18949
Airgas.com

CERTIFICATE OF ANALYSIS

Grade of Product: CERTIFIED STANDARD-SPEC

Part Number:	X03NI99C15A5RA1	Reference Number:	SG02-IC000024932-1
Cylinder Number:	CC752703	Cylinder Volume:	143.3 CF
Laboratory:	124 - Plumsteadville - PA	Cylinder Pressure:	2000 PSIG
Analysis Date:	Aug 15, 2022	Valve Outlet:	330
Lot Number:	SG02-IC000024932-1		

Product composition verified by direct comparison to calibration standards traceable to N.I.S.T. weights and/or N.I.S.T. Gas Mixture reference materials.

ANALYTICAL RESULTS

Component	Req Conc	Actual Concentration (Mole %)	Analytical Uncertainty
SULFUR HEXAFLUORIDE	5.000 PPM	5.470 PPM	+/- 5%
HYDROGEN FLUORIDE	25.00 PPM	25.90 PPM	+/- 5%
NITROGEN	Balance		

Notes: Analysis Date: 8/8/2022
Expiration Date: 8/8/2023
Blend +/- 20% Analytical +/- 5%
Shelf Life 1 Year

Signature on file
Approved for Release

Test Protocol

EMISSION TEST PROTOCOL
EPA Information Collection Request

Prepared For
Georgia Power
In Response to EPA's Section 114 Letter, Dated 6 April 2022

Testing At The
Georgia Power
Plant McIntosh
Simple Cycle Combustion Turbines 1-8 (Testing 2 of 8 Units)
Rincon, GA

And
Georgia Power
Plant McDonough
Combined Cycle Combustion Turbines (Testing 2 CTs)
Smyrna, GA

TRC ENVIRONMENTAL CORPORATION Protocol 491281
Revision 0

August 31, 2022

Submitted By

Jon T. Howard

_____

Jon Howard
Technical Director
(334)-704-4706, Phone
jhoward@trccompanies.com, Email

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TRC Compliance Protocol revised 4/8/19

1.0 INTRODUCTION

TRC Environmental Corporation (TRC) will perform a comprehensive emission test program on two Simple Cycle Combustion Turbines (CTs) of Units 1-8 at Georgia Power-Plant McIntosh in Rincon, GA beginning the week of 12 September 2022. Similarly, testing will be performed on two Combined Cycle CTs at Georgia Power-Plant McDonough beginning the week of 10 October 2022. The test program is being conducted in response to the emission testing request of EPA's Section 114 Information Collection Request (ICR) letter issued to Ms. Rosa Chi, Air Manager, Environmental Affairs of Georgia Power. This program will be completed in accordance with the methods and procedures presented in Enclosure 1 of 40 CFR, Part 63, Subpart YYYY and in accordance with technical discussion between representative EPA Officials, Georgia Power and TRC.

1.1 Project Contact Information

Entity/Location	Address	Contact
Georgia Power Environmental Affairs	Georgia Power Environmental Affairs 2480 Maner Rd SE Atlanta, GA 30339	Rosa Chi Air Manager, Environmental Affairs (404) 506-3123 (phone) TRCHI@southernco.com Jason Grooms Air Monitoring & Testing Supervisor (912) 687-3137 (phone) jgrooms@southernco.com GA Power- Testing Coordination Drew Blankenship Specialist, Sr. Environmental (770) 550-1503 (phone) jablanke@southernco.com
Test Facilities	Georgia Power Plant McIntosh 981 Old Augusta Rd Cen Rincon, GA 31326 Permit No. 4911-103-0014-V-06-0 Facility No. 110071160714 Georgia Power Plant McDonough 5551 S Cobb Drive Smyrna, GA 30080 Permit No. 4911-067-0003-V-04-0 Facility No. 04-13-067-00003	Plant Contact: Robby Chapin Sr. Compliance Specialist (912) 306-1402 (phone) RAChapin@southernco.com Plant Contact: Alan Robinson Sr. Compliance Specialist (770) 550-8228 (phone) AWROBINS@southernco.com

Testing Company	TRC Environmental Corporation 9225 US Highway 183 South Austin, Texas 78747	Jon Howard Technical Director (334)-704-4706 (phone) (512) 243-0222 (fax) jhoward@trccompanies.com Jason Grizzle Project Manager/Test Team Lead (720) 838-3857 (phone) jgrizzle@trccompanies.com

2.0 FACILITY AND PROCESS DESCRIPTIONS

The McIntosh Combustion Turbine-Electric Generating Plant includes 8 diffusion-flame, simple-cycle combustion turbines permitted to burn both natural gas and No. 2 fuel oil. Each CT has a power rating of 95 MW and maximum rated heat input of 1208 MMBtu/hr.

The McDonough-Atkinson Combined-Cycle Facility includes 3 lean pre-mix, combined-cycle power blocks, which primarily burn natural gas. Each power block is nominally rated at 840 MW and consists of two combustion turbines, two heat recovery steam generators with duct-burners, and one steam turbine. Two of the combustion turbines, CT4A and CT5A, also have the capability to burn ultra-low sulfur diesel as a back-up fuel; therefore, this testing is only required while firing natural gas for these combined-cycle CTs. The site also includes 4 simple-cycle CTs that are not required to be included as part of this testing.

2.1 PROCESS DATA

The process data to be documented during each test run (as applicable) include:
• Fuel type (*e.g.*, natural gas, propane, fuel oil), and heat input (British thermal units per hour (Btu/hr)).
• Actual fuel feed rate during test (based on HHV) and permitted fuel feed rate (based on HHV) (MMBtu/hr). Explanation of the procedure used (e.g., EPA Method 19) to determine the actual fuel feed rate.
• Turbine load (percent).
• Emission unit operating temperature (°F).
• Operating parameters

3.0 TEST REQUIREMENTS

For Plant McIntosh, two distinct, simple cycle CTs within the Units 1-8 block will be selected for testing. Each of the two CTs will be tested during both natural gas and fuel oil firing conditions.

Similarly for Plant McDonough, two distinct, combined-cycle CTs will be selected for testing. Each of the those two CTs will be tested during natural gas firing conditions only. Duct burners may be fired during testing consistent with the YYYY NESHAP.

The following table presents a list of the pollutants and respective test methods to be tested at each plant and point source location:

Test Condition	M320 FTIR [a] (CH_2O, HCL & HF)	M10[a] (CO)	M29[b] (MMs)	M5[b] (PM)	M3A[ab] (O_2)	M1-4[ab] (VFR)	Comment
Plant McIntosh							
CT-1 (Gas)	X	X	X	X	X	X	M320 and M10 concurrent; M29/M5 combined
CT-1 (Oil)	X	X	X	X	X	X	M320 and M10 concurrent; M29/M5 combined
CT-2 (Gas)	X	X	X	X	X	X	M320 and M10 concurrent; M29/M5 combined
CT-2 (Oil)	X	X	X	X	X	X	M320 and M10 concurrent; M29/M5 combined
Plant McDonough							
CT-1 (Gas)	X	X	X	X	X	X	M320 and M10 concurrent; M29/M5 combined
CT-2 (Gas)	X	X	X	X	X	X	M320 and M10 concurrent; M29/M5 combined

[a] *test parameters conducted simultaneously; seven 1-hour run durations.*
[b] *test parameters conducted simultaneously; seven 4-hour run durations.*

EPA Reference Method (RM) 320 FTIR sampling for formaldehyde, hydrogen chloride (HCl) and hydrogen fluoride (HF) will include all the method-specified quality control procedures. TRC may also implement additional quality procedures from a test protocol published by EPRI to address low-level FTIR measurement of formaldehyde. Those additional procedures would ensure accurate and precise field measurements and minimize bias. The formaldehyde detection limit for the FTIR analyzer will be approximately 30 ppb_{vw} (uncorrected for moisture and O_2). TRC has communicated to Georgia Power and EPA that spiking criterion for HF may be challenging based on previous experience and difficulties associated with the chemical nature of HF. TRC and Georgia Power will report spike recovery and Method 301 validation results for HF whether pass or fail.

Reference Method (RM) 320 sampling for the HAP of formaldehyde and acid gases (HCl and HF) will be performed simultaneously with determination of carbon monoxide (CO) test runs for input to potential development of CO as a surrogate. Carbon monoxide sampling will be performed in accordance with RM10 procedures. Continuous sampling for oxygen (O_2) will be performed in accordance with RM 3A concurrently with RM320 and M10 runs for pollutant correction to 15%O_2. Seven (7) test runs by RM320 and RM10 will be completed and will consist of one-hour duration each run. Volumetric flow rate (VFR) from any concurrent M5/M29 test runs will be used to calculate results in units of pounds per hour (lb/hr) in addition to units of ppm@15%O_2. If M5/M29 test runs are not being performed concurrently with RM320 and RM10, independent flow measurements will be performed.

Sampling for Method 29 HAPS metals consisting of antimony (Sb), arsenic (As), beryllium (Be), cadmium (Cd), chromium (Cr), cobalt (Co), lead (Pb), manganese (Mn), mercury (Hg), nickel (Ni), and selenium (Se) will be combined with Method 5. Filterable particulate matter (PM) will be determined from the front-half, filter and probe/nozzle sections of the sampling train. Seven (7), four-hour (4 dscm) test runs will be completed as specified in Enclosure 1 of the Rule. Results from those runs will be corrected to 15%O_2 and concurrent (VFR) will be used to calculate results in units of (lb/hr). TRC plans to implement two separate sampling systems to minimize fuel usage and to provide overall efficiency of testing. One complete sample train will be leak checked and ready to proceed into a subsequent test run following the completion any previous run. Immediately following sampling, the M5/M29 sampling assembly will either be recovered in a TRC mobile laboratory or GA Power's testing support trailer. Each part of the sampling assembly will be collected in appropriate, labeled, sample jars and stored according to method requirements. Each sample will be logged onto a chain of custody document that will be kept with the samples. All samples will be couriered to the contract laboratory for analysis according to all method specifications.

Carbon dioxide (CO_2) will be performed in accordance with EPA RM 3A in conjunction with O_2 sampling for calculation of source gas molecular weight as required for (VFR). EPA Method 4 will be used to determine moisture content of the gas stream during each run. EPA method 4 will be determined from the combined M5/M29 sample trains.

4.0 SPECIFIC TEST PROCEDURES

Detailed test procedures are described in Section 8 of this protocol. Three complete test runs will be performed for each constituent in accordance with the following USEPA methods:

1. Stratification testing to determine the gaseous test point strategy for FTIR parameters and carbon monoxide (CO) will be determined by traverse measurement of oxygen (O_2) in accordance with the procedures defined in Method 7E Section 8.1.2. This approach has been approved by EPA.

2. Volumetric flow will be determined utilizing USEPA Methods 1 and 2. The location of the ports in relation to upstream and downstream disturbances will be measured and recorded. Wind tunnel calibrated pitots with pre-determined coefficients will be used for all flow measurements in lieu of a default coefficient of 0.84. Volumetric flow rate (VFR) data from the Method 5/29 particulate matter/metals sampling will be applied to all FTIR (Method 320- formaldehyde, HCL & HF) and carbon monoxide (CO) bracketed measurements for calculation of emission rates (lb/hr). In any event where FTIR and CO sampling is not bracketed by ongoing M5/M29 test runs, independent flow measurements will be performed.

3. A check for the presence or absence of cyclonic flow will be performed in accordance with Section 11.4 of Method 1 and recorded on the data sheet appended.

4. Oxygen (O2) and carbon dioxide (CO_2) content of the stack gas will be determined instrumentally on a continuous, online basis by Method 3A during each test run. All 1-hour test runs for CO will be accompanied with online measurement of O_2 and CO_2. As proposed to and approved by EPA, TRC may also collect integrated bag samples with Methods 5/29 and analyzed via calibrated analyzer. Instrument calibration will be verified in accordance with Method 3A procedures when sampling is performed on an online, continuous basis and verified following any analysis of integrated bag samples. Oxygen

measurement data will be bracketed for all pollutant measurements for subsequent calculation of concentration @15%O_2.

5. Moisture tests will be performed in accordance with Method 4 in conjunction with the Method 5/29 PM and Metals sampling.

6. Particulate emissions will be determined in accordance with Method 5. Each test run will be a minimum of 240 minutes in length, or as necessary to collect a minimum of 4 dry standard cubic meters (DSCM) as specified in Enclosure 1 of the YYYY Combustion Turbine NESHAP. Sampling for filterable PM will be performed in the front half of the Method 29 sampling system. A quartz-lined probe and quartz nozzles will be utilized for the tests. TRC will implement a split train assembly through use of a Teflon jumper from the filter exit to the Method 29 metals impingers.

7. HAP metals (antimony (Sb), arsenic (As), beryllium (Be), cadmium (Cd), chromium (Cr), cobalt (Co), lead (Pb), manganese (Mn), mercury (Hg), nickel (Ni), and selenium (Se) will be performed in strict accordance with Method 29 sampling and analytical procedures. The sampling assembly will be combined with Method 5 front-half filterable PM. A quartz-lined probe and quartz nozzles will be utilized for the tests. TRC will implement a split train assembly through use of a Teflon jumper from the filter exit to the Method 29 metals impingers. Analytical detection limits for HAP metals will be reported where applicable.

8. Carbon monoxide (CO) emissions will be determined in accordance with USEPA Method 10 and will be concurrent with all FTIR Method 320 measurements. Each test run will consist of one hour of continuous testing. Detection limits for CO will be reported as 2% of the calibration range.

9. Low-level formaldehyde, hydrogen chloride (HCL) and hydrogen fluoride (HF) emissions will be determined in accordance with Method 320, as described in Section 3 above. Each test will be a minimum one hour in length. Typically, sample delivery systems for HCL and HF are operated at a much higher temperature than that of formaldehyde. Since all three parameters are being evaluated in a single test grouping, TRC will evaluate whether formaldehyde off-gassing is present from the higher temperature setting prior to start of FTIR test runs. If off-gassing of formaldehyde is present, two separate delivery systems may be implemented with separate measurement of formaldehyde from HCL and HF. TRC, will spike at 50-150% of the native formaldehyde concentration. If formaldehyde is not detected, TRC will spike at approximately 50% of the NESHAP YYYY emissions limit of 91ppb. For HCl, TRC will spike at approximately 1 ppm concentration if this compound is not detected. If HCl is detected, spiking will be performed at 50-150% of the native concentration. The same approach for HCL spiking will be applied for HF.

   TRC plans to perform Method 301 validation spiking according to Section 13.0 of the Method which indicates that validation at one source may also apply to another type of source, if it can be shown that the exhaust gas characteristics are similar at both sources. TRC anticipates that at a minimum, validation testing will be performed at Plant McIntosh on one location while firing oil, but validation testing may also be completed at Plant McIntosh during an oil-firing condition. If validation testing is not completed at Plant McIntosh while firing gas, this would be performed while at Plant McDonough. For any additional test emission points the spiking procedures indicated in Section 9.0 of Method 320 will be performed for HCHO and HCl.

5.0 TEST PROGRAM SCHEDULE

TRC will execute the referenced scope of services according to the following test schedules:

Plant McIntosh

*Times are Plant Operating Time

Date	Plant	Unit	Source	Test	Start Time*	End Time*	Load Req
Mon-Sept-12-2022	McIntosh	1		Set-Up			
Tue-Sept-13-2022	McIntosh	1	GAS	Run 1 for M-29	7:00	20:00	Full
Wed-Sept-14-2022	McIntosh	1	GAS	Run 2, 3 for M-29	7:00	20:00	Full
Thu-Sept-15-2022	McIntosh	1	GAS	Run 5, 6 for M-29; 1-7 for M10 and M320	7:00	20:00	Full
Fri-Sept-16-2022	McIntosh	1	GAS	Run 6, 7 for M-29	7:00	20:00	Full
Sat-Sept-17-2022	McIntosh	1	OIL	Run 1, 2 for M-29; 1-7 for M10 and M320	7:00	20:00	Full
Sun-Sept-18-2022				No Testing			

*Times are Plant Operating Time

Date	Plant	Unit	Source	Test	Start Time*	End Time*	Load Req
Mon-Sept-19-2022	McIntosh	1	OIL	Run 3, 4 for M-29	7:00	20:00	Full
Tue-Sept-20-2022	McIntosh	1	OIL	Run 5, 6, 7 for M-29	7:00	20:00	Full
Wed-Sept-21-2022	McIntosh	2	GAS	Run 1, 2 for M-29; 1-7 for M10 and M320	7:00	20:00	Full
Thu-Sept-22-2022	McIntosh	2	GAS	Run 3, 4, 5 for M-29	7:00	20:00	Full
Fri-Sept-23-2022				No Testing			
Sat-Sept-24-2022				No Testing			
Sun-Sept-25-2022				No Testing			

*Times are Plant Operating Time

Date	Plant	Unit	Source	Test	Start Time*	End Time*	Load Req
Mon-Sept-26-2022	McIntosh	2	GAS	Run 6 for M-29	12:00	20:00	Full
Tue-Sept-27-2022	McIntosh	2	GAS/OIL	Run 7 for M-29; Run 1 for M-291-7 for M10 and M320	7:00	20:00	Full
Wed-Sept-28-2022	McIntosh	2	OIL	Run 2, 3, 4 for M-29	6:00	21:00	Full
Thu-Sept-29-2022	McIntosh	2	OIL	Run 5, 6, 7 for M-29	6:00	21:00	Full
Fri-Sept-30-2022				Breakdown			
Sat-Oct-1-2022							
Sun-Oct-2-2022							

Plant McDonough

*Times are Plant Operating Time						
Date	**Day**	**Weekday**	**Activity**	**Start time***	**End Time***	**Load Req**
Week 1						
Oct 10	1	Monday	Set up			
Oct 11	2	Tuesday	CT1 (Gas)- Complete setup and QA; Perform Test Run 1 for M29	07:00	20:00	Full
Oct 12	3	Wednesday	CT1 (Gas)- perform seven 1-hr runs for M10 & M320; perform M29 Runs 2&3;	07:00	20:00	Full
Oct 13	4	Thursday	CT1 (Gas)- perform M29 Runs 4&5	07:00	20:00	Full
Oct 14	5	Friday	CT1 (Gas)- perform M29 Runs 6&7	07:00	20:00	Full
Oct 15	6	Saturday	Move Equipment to CT2			
Oct 16	7	Sunday	Off			
Week 2						
Oct 17	8	Monday	CT1 (Gas)- perform seven 1-hr runs for M10 & M320; M29 Runs 1&2	07:00	20:00	Full
Oct 18	9	Tuesday	CT1 (Gas)- M29 Runs 3&4; Begin M301 Validations for M320 CH2O, HCl and HF.	07:00	20:00	Full
Oct 19	10	Wednesday	Move to CT2; CT2 (Gas)- M29 Runs 5&6; Continue M301 Validations	07:00	20:00	Full
Oct 20	11	Thursday	CT2 (Gas)- M29 Run 7	07:00	20:00	Full
Oct 21	12	Friday	Reserved	----		----
Oct 22	13	Saturday	Reserved	----		----

6.0 PROJECT PERSONNEL AND RESPONSIBILITIES

Jon Howard (TRC) — Technical Director:
Coordinates all test activities. Maintains communications between all test Georgia Power Management and plant personnel. Project Technical Oversight.

Jason Grizzle (TRC) — Senior Project Manager, Technical Director and Field Manager:
Coordinates all test activities. Maintains communications between all test participants and plant personnel.

Will McKibben (TRC) — Engineer I/Scientist I and Quality Assurance Manager:
Prepares and recovers Method 29/Method 5 sample trains and samples collected. Ensures all field calculations are completed. Method 320 QA and overall project quality assurance.

Tom Dunder, PhD (TRC) — FTIR-Method 320 Technical Director and Quality Oversight (Remote):
Evaluates FTIR sampling QA and ensures data qualification.

Technician II:
Assists in operation of test trains as required. Performs traversing of manual and instrumental methods.

Technician III:
Assists in operation of test trains and performs traversing of manual and instrumental test methods.

7.0 PLANT REQUIREMENTS

TRC must be supplied with the following items to complete this test program:

1. Safe access to test positions.
2. Electrical power 110 V, 30 A, 60 cycle service at the test locations.
3. Four-inch Six-inch (for M201A) test ports cleaned and loose prior to arrival of test crew.
4. Sufficient lighting at the test site.
5. Plant or pollution control equipment operating data, in the format required by the applicable regulatory agency, for inclusion in the report.
6. Washroom facilities for use by members of the test crew.
7. A shelter at the test location if weather conditions warrant.
8. Stable operations and the required load or production rate during the test period.
9. Communication between the test location and the control room.
10. Parking location to place TRC mobile trailer within 200 feet of sampling locations with access to multiple 110 V, 20 A, 60 cycle or 480 V, 50 A, 60 cycle circuits.

8.0 TEST PROCEDURES

All testing, sampling, analytical, and calibration procedures used for this test program will be performed in accordance with the methods presented in the following sections. Where applicable, the Quality Assurance Handbook for Air Pollution Measurement Systems, Volume III, Stationary Source Specific Methods, USEPA 600/R-94/038c, September 1994 is used to supplement procedures.

8.1 Determination of Sample Point Locations by USEPA Method 1

This method is applicable to gas streams flowing in ducts, stacks, and flues. It is designed to aid in the representative measurement of pollutant emissions and/or total volumetric flow rates from stationary sources. To qualify as an acceptable sample location, it must be located at a position at least two stack or duct equivalent diameters downstream and a half equivalent diameter upstream from any flow disturbance. The location of the ports in relation to upstream and downstream disturbances will be measured and recorded

The cross-section of the measurement site is divided into a number of equal areas, and the traverse points are then located in the center of these areas. The minimum number of points are determined from either Figure 1-1 (particulate) or Figure 1-2 (non-particulate) of USEPA Method 1.

Prior to performing volumetric flow traverses, a check for the presence or absence of cyclonic flow will be performed in accordance with Section 11.4 of Method 1 and recorded on the data sheet enclosed.

8.2 Volumetric Flow Rate Determination by USEPA Method 2

This method is applicable for the determination of the average velocity and the volumetric flow rate of a gas stream.

The gas velocity head (ΔP) and temperature is measured at traverse points defined by USEPA Method 1. The velocity head is measured with a Type S (Stausscheibe or reverse type) pitot tube and oil-filled manometer; the gas temperature is measured with a Type K thermocouple. The average gas velocity in the flue is calculated based on: the gas density (as determined by Methods 3, 3A, or 3B, and 4), the flue gas pressure, the average of the square roots of the velocity heads at each traverse point, and the average flue gas temperature.

8.3 CO_2 Determination by USEPA Method 3A

This method is applicable for the determination of CO_2 concentrations in controlled and uncontrolled emissions from stationary sources only when specified within the regulations. The CO_2 analyzer is equipped with a non-dispersive infrared (IR) detector.

8.4 O_2 Determination by USEPA Method 3A

This method is applicable for the determination of O_2 concentrations in controlled and uncontrolled emissions from stationary sources only when specified within the regulations. The O_2 analyzer is equipped with a paramagnetic-based detector.

8.5 CO Determination by USEPA Method 10

This method is applicable for the determination of CO concentrations in controlled and uncontrolled emissions from stationary sources only when specified within the regulations. The non-dispersive infrared analyzer (NDIR) CO analyzer is equipped with an internal gas correlation filter wheel, eliminating potential detector interference. Therefore, use of an interference removal trap is not required.

8.6 Moisture Determination by USEPA Method 4

This method is applicable for the determination of the moisture content of stack gas.

A gas sample is extracted at a constant rate from the source. Moisture is removed from the sample stream by a series of pre-weighed impingers immersed in an ice bath. A minimum of 21 dry standard cubic feet of flue gas is collected during each sample run.

8.7 Moisture Determination by USEPA Method 320

The Method 320 sampling and measurement system meets the requirements for stack sampling of gaseous organic and inorganic compounds set forth by the United States Environmental Protection Agency (USEPA). In particular, it meets the requirements of USEPA Reference Method 320, “Measurement Of Vapor Phase Organic And Inorganic Emissions By Extractive Fourier Transform Infrared (FTIR) Spectroscopy,” 40CFR63. This method applies to the analysis of a range of volatile organic compounds (VOCs) and volatile inorganic compounds emitted from an industrial source.

The source emissions are extracted from the single sampling point in the gas stream and then transported to the FTIR analyzer via a heated, extractive sampling system. The various components of the matrix are identified and quantified by absorbance of infrared radiation. All data measurements and analytical results are stored on computer. The data is copied to Cloud Server, USB drive, or a second hard drive before departing the test site.

Method 320 FTIR testing will utilize a Spectrum Environmental Solutions Extractive (FTIR) monitoring system, WaverunIR-EXT with a gas sampling and conditioning system that has been optimized by TRC. This FTIR instrument is calibrated using a stored spectral library of reference spectra. Calibration is verified on site through direct and system calibration measurements using gas standards. These gases include the method-required CTS (calibration transfer standard, 10 ppm Ethylene) and a nitrogen zero gas. Direct, system and dynamic matrix spiking calibrations will be conducted as previously described.

8.8 Filterable PM Determination by USEPA Method 5

This method is applicable for the determination of particulate matter (PM) emissions from stationary sources. USEPA Methods 2-4 are performed concurrently with, and as an integral part, of these determinations.

Flue gas is withdrawn isokinetically from the source at traverse points determined per USEPA Method 1, and PM is collected in the nozzle, probe liner, and on a glass fiber filter. The probe liner and filter are maintained at a temperature of 120 ± 14°C (248 ± 25°F) or such other temperature as specified by an applicable subpart of the standards, or as approved by the Administrator for a particular application. The PM mass, which includes any material that condenses at or above the filtration temperature, is determined gravimetrically after the removal of uncombined water.

8.9 Trace Metals Determination by USEPA Method 29

This method is applicable to the determination of metals emissions from stationary sources. In addition to the metal's emissions, this method may be used to determine particulate emissions if the prescribed procedures and precautions are followed. Methods 2-4 are performed concurrently with, and as an integral part of, these determinations.

Flue gas is withdrawn isokinetically from the source at traverse points determined per USEPA Method 1 through a nozzle, probe liner, glass fiber filter and a series of impingers. The probe liner and filter are maintained at a temperature of 120 ± 14°C (248 ± 25°F) or such other temperature as specified by an applicable subpart of the standards or approved by the Administrator for a particular application. Particle-bound metals are collected in the nozzle, in the probe, and on the filter. Gaseous metals are collected in a solution of nitric acid and hydrogen peroxide (analyzed for select metals including Hg) and a solution of acidified potassium permanganate (analyzed only for Hg).

The recovered samples are analyzed using the methods specified in Method 29 or such other techniques as specified by an applicable subpart of the standards, or as approved by the Administrator for a particular application.

9.0 QUALITY ASSURANCE PROCEDURES

TRC integrates our Quality Management System (QMS) into every aspect of our testing service. We follow the procedures specified in current published versions of the test Method(s) referenced in this protocol. Any modifications or deviations are specifically identified in the body of this protocol. We routinely participate in independent, third-party audits of our activities and maintain:

- Accreditation from the Louisiana Environmental Laboratory Accreditation Program (LELAP).
- Accreditation from the Stack Testing Accreditation Council (STAC) and the American Association for Laboratory Accreditation (A2LA) that our operations conform with the requirements of ASTM D 7036 as an Air Emission Testing Body (AETB).

These accreditations demonstrate that our systems for training, equipment maintenance and calibration, document control and project management will fully ensure that project objectives are achieved in a timely and efficient manner with a strict commitment to quality.

All calibrations are performed in accordance with the test Method(s) identified in this protocol. If a method allows for more than one calibration approach, or if approved alternatives are available, the calibration documentation in the appendices of the report will specify which approach is used. All measurement devices are calibrated or verified at set intervals against standards traceable to the National Institute of Standards and Technology (NIST). NIST traceability information is available upon request.

Raw data is kept on file at the TRC office performing the sampling. All samples from the test program are retained for 60 days after the submittal of the report, after which they are discarded unless TRC is advised otherwise.

Calculations are performed electronically via spreadsheet application. An explanation of the nomenclature and calculations along with the complete test results will be appended to the report. Also, to be appended to the report are calibration data and copies of the raw field data sheets.

10.0 TEST REPORT

A final test report will be prepared following the completion of the tests. Sample summary tables and spreadsheets are in the appendix. This report shall additionally contain all general reporting requirements specified in ASTM D7036-04, Section 15. The contents of the report will include the following sections, as required:

1.0 INTRODUCTION
- 1.1 Project Contact Information
- 1.2 Facility and Process Description

2.0 SUMMARY OF RESULTS
3.0 DISCUSSION OF RESULTS
4.0 SAMPLING AND ANALYSIS PROCEDURES
5.0 QUALITY ASSURANCE PROCEDURES
6.0 TEST RESULTS SUMMARY
APPENDIX (as applicable)
- AETB and QI Information Summary
- Qualified Individual Certificate(s)
- Continuous Emissions Monitoring System (CEMS) and Plant Operating Data
- Sample Location Information
- Sample Train Diagrams
- Sample Analysis Data
- Calculation Nomenclature and Formulas
- Processed Field Data and Results
- Sampling Equipment Calibration Data
- Response Time Data
- Analyzer Interference Test Data
- Calibration Gas Certificates
- Raw Field Data Sheets

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