MPLX Terminals LLC

539 South Main Street
Findlay, OH 45840
Tel: 419.422.2121

July 29, 2024

RECEIVED
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EGLE - Mailroom

Jeff Korniski
EGLE, Air Quality Division
3058 West Grand Boulevard
Suite 2-300
Detroit, MI 48202

Jeremy Howe
EGLE, Air Quality Division
Constitution Hall, 2nd Floor South
525 West Allegan Street
Lansing, MI 48933

RE: **RO Permit No. MI-ROP-A9831-2012b, PTI-52-15; SRN A9831**
MPLX Terminals LLC – Detroit Light Products Terminal
12700 Toronto Street, Detroit MI 48217

SUBJECT: **2024 Relative Accuracy Test Audit (RATA)**

Dear Mr. Miller:

This letter is to inform you of the results for the June 25, 2024, Relative Accuracy Test Audit which was conducted on the Continuous Emissions Monitors at the MPLX Detroit Light Products Terminal. The results show the monitor passed the required 10% relative accuracy certification standard.

Should you have any questions or if you require additional information, please contact me at 419-672-1211 or at RLHermiller@MarathonPetroleum.com.

Respectfully,

Renee Hermiller

Renee Hermiller
Environmental Professional
MPLX Terminals LLC

Enc:
1. *"Volatile Organic Compounds Continuous Emissions Monitor Relative Accuracy Audit"*
2. *"Renewable Operating Permit Report Certification"* (EQP 5736)

Electronic File: Air/Reports/VCS CEM RATA Reports

EGLE

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY
AIR QUALITY DIVISION

RENEWABLE OPERATING PERMIT REPORT CERTIFICATION

Authorized by 1994 P.A. 451, as amended. Failure to provide this information may result in civil and/or criminal penalties.

Reports submitted pursuant to R 336.1213 (Rule 213), subrules (3)(c) and/or (4)(c), of Michigan's Renewable Operating Permit (ROP) program must be certified by a responsible official. Additional information regarding the reports and documentation listed below must be kept on file for at least 5 years, as specified in Rule 213(3)(b)(ii), and be made available to the Department of Environment, Great Lakes, and Energy, Air Quality Division upon request.

Source Name MPLX Terminals LLC - Detroit LP, MI County Wayne

Source Address 12700 Toronto Street City Detroit

AQD Source ID (SRN) A9831 ROP No. MI-ROP-A9831-2012b ROP Section No. 2

Please check the appropriate box(es):

☐ **Annual Compliance Certification (Pursuant to Rule 213(4)(c))**

Reporting period (provide inclusive dates): From _____ To _____

☐ 1. During the entire reporting period, this source was in compliance with **ALL** terms and conditions contained in the ROP, each term and condition of which is identified and included by this reference. The method(s) used to determine compliance is/are the method(s) specified in the ROP.

☐ 2. During the entire reporting period this source was in compliance with all terms and conditions contained in the ROP, each term and condition of which is identified and included by this reference, **EXCEPT** for the deviations identified on the enclosed deviation report(s). The method used to determine compliance for each term and condition is the method specified in the ROP, unless otherwise indicated and described on the enclosed deviation report(s).

☐ **Semi-Annual (or More Frequent) Report Certification (Pursuant to Rule 213(3)(c))**

Reporting period (provide inclusive dates): From _____ To _____

☐ 1. During the entire reporting period, **ALL** monitoring and associated recordkeeping requirements in the ROP were met and no deviations from these requirements or any other terms or conditions occurred.

☐ 2. During the entire reporting period, all monitoring and associated recordkeeping requirements in the ROP were met and no deviations from these requirements or any other terms or conditions occurred, **EXCEPT** for the deviations identified on the enclosed deviation report(s).

☒ **Other Report Certification**

Reporting period (provide inclusive dates): From June 25, 2024 To June 25, 2024

Additional monitoring reports or other applicable documents required by the ROP are attached as described:

Volatile Organic Compounds Continuous Emissions Monitor Relative Accuracy Test Audit

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in this report and the supporting enclosures are true, accurate and complete

Angela Brown	Vice President	419-421-2629
Name of Responsible Official (print or type)	Title	Phone Number

X Angela Brown — Signature of Responsible Official

7/29/2024 — Date

* Photocopy this form as needed.

EQP 5736 (Rev 04/30/2019)

Marathon Petroleum Company LP

Volatile Organic Compounds
Continous Emissions Monitor - Relative Accuracy Test Audit
Vapor Recovery Unit
MPLX Terminals LLC
Detroit Loading Facility
Detroit, MI

Report Identification Number: ENV 24-238

Prepared For:
MPLX Terminals LLC
Detroit Loading Facility
12700 Toronto Ave
Detroit, MI 48217

Prepared By:
Marathon Petroleum Company LP
Refining Analytical and Development Department
Environmental Field Services
P.O. Box 911
Catlettsburg, Kentucky 41129

Testing Personnel:
Josh Hall
(606)-921-2181
jkhall@marathonpetroleum.com

Aaron Boyd
(606)-921-6955
amboyd@marathonpetroleum.com

Test Date: June 25, 2024

Volatile Organic Compounds
Continuous Emissions Monitor
Relative Accuracy Test Audit
Vapor Recovery Unit
MPLX Terminals LLC

MEMORANDUM **July 25, 2024**

TO: Renee Hermiller

FROM: Josh Hall

SUBJECT: Detroit Loading Facility
Vapor Recovery Unit Emissions
Relative Accuracy Test Audit Results

On June 25, 2024, a Relative Accuracy Test Audit was conducted on the Detroit Terminal's Zink VRU Continuous Emissions Monitor located at the loading facility. The purpose of the testing was to determine the relative accuracy of the CEM compared to the reference monitor. The relative accuracy was determined based on nine of the twelve tests performed. The results of the test are summarized below.

Parameters	Relative Accuracy	Allowable
NMHC (conc. vs. conc.)	4.08%	10% of Applicable Standard Concentration (0.49%).
NMHC (mg/L vs. mg/L)	2.50%	10% of Applicable Standard Concentration (10 mg/L).

Based upon these results, this CEM is operating within regulatory limits. If there are any questions regarding these tests, please contact me at (606)-921-2181.

J. Hall

Volatile Organic Compounds
Continuous Emissions Monitor
Relative Accuracy Test Audit
Vapor Recovery Unit
MPLX Terminals LLC

Marathon Petroleum Company LP

Certifications

1. Certification of sampling procedures by the team leader of the personnel conducting the sampling procedures and compiling the test report:

"I certify that the sampling procedures were performed in accordance with the approved test plan and that the data presented in this test report are, to the best of my knowledge and belief, true, accurate, and complete. All exceptions are listed and explained below."

Report Prepared By:
Signature: Josh Hall Printed Name of Person Signing: Josh Hall
Test Lead, Stack Testing Group Date: 7/25/2024

2. Certification of test report by the staff of the testing company who is responsible for reviewing the report:

"I certify that this test report and all attachments were reviewed in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the test information submitted. Based on my inquiry of the person or persons who performed sampling and analysis relating to the performance test, the information submitted in this test report is, to the best of my knowledge and belief, true, accurate, and complete. All exceptions are listed and explained below."

Report Reviewed By:
Signature: Aaron Boyd Printed Name of Person Signing: Aaron Boyd
Environmental Field Services Personnel Date: 7/25/2024

3. This report may not be reproduced without written approval from the RAD Environmental Field Services Group.

4. Deviations from Testing Protocol:
none

Volatile Organic Compounds
Continuous Emissions Monitor
Relative Accuracy Test Audit
Vapor Recovery Unit
MPLX Terminals LLC

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Volatile Organic Compounds
Continuous Emissions Monitor
Relative Accuracy Test Audit
Vapor Recovery Unit
MPLX Terminals LLC

I. Introduction and Summary

The Marathon Petroleum Company LP's Environmental Field Services Section performed a relative accuracy test audit on the Zink VRU located at the Detroit Terminal. This facility utilizes a vapor recovery system for their bulk gasoline and diesel loading terminal. The testing was conducted on June 25, 2024. The relative accuracy was determined on the following monitor:

Location	Monitor	Serial No.	Audit Type
VRU Exhaust	IR 8400 DC	4276	RATA

The purpose of the testing was to determine the relative accuracy of the CEM from the vapor recovery unit exhaust outlet during truck loading procedures and determine the relative accuracy of the CEM compared to the reference monitor.

Test methods followed those as detailed in the Code of Federal Regulations, CFR40, Part 60, Subpart XX. Specific procedures used were EPA Methods 21, the U.S. EPA - Office of Air Quality Planning and Standards' Alternative Method to 25B using the IR 208 and IR 8400 DC (Approval Letter Attached) and Subsection 60.503 (d) along with the guidelines of Performance Specification 8 for the relative accuracy test audit.

Testing was conducted by the following individual(s) from Marathon Petroleum Company's Refining Analytical and Development - Environmental Field Services Section Stack Testing Group:

- Josh Hall
- Aaron Boyd

The following individual(s) from MPLX Terminals LLC's Environmental Group Coordinated the testing:

- Renee Hermiller

I. Introduction and Summary (cont.)

A total of twelve 30-minute runs were conducted, only nine runs were used in determining the relative accuracy of the continuous emission monitor (CEM).

The results of the test conducted on June 25, 2024 are as follows:

Monitor	Relative Accuracy	Allowable
IR 8400 DC (conc. vs. conc.)	4.08%	10% of Applicable Standard Concentration (0.49%).
(mg/L vs. mg/L)	2.50%	10% of Applicable Standard Concentration (10 mg/L).

II. PROCESS DESCRIPTION

MPLX Terminals LLC's Detroit Loading Facility truck loading terminal uses a Zink VRU to control, by adsorption, the organic vapors generated and recovered from trucks during the loading process. This process consists of two (2) carbon beds which continually cycle and regenerate every 30 minutes or at a minimum of 13 minutes based on the CEM smart cycle. The gas vapor, which adsorbs on the activated carbon after going through the absorbing tower, is vented to the atmosphere. After adsorption cycle is complete, the bed recycles under vacuum at 27.5 inches of water while the other bed is being utilized. During the recycle process in the carbon absorber, a dry vacuum pump pulls the hydrocarbon from the carbon. The hydrocarbon vapors from the carbon absorber are mixed with the vacuum pump seal fluid and are discharged to an absorber/separator.

The hydrocarbon vapors are condensed and separated from the seal fluid in the separator compartment and discharged back to a holding tank. Any remaining hydrocarbons pass through the packed absorber tower and are contacted by the fresh stream of gasoline which absorbs most of the remaining hydrocarbon. The small amount of hydrocarbon that is left leaves the top of the absorber and is directed back to the carbon absorber which starts the whole process again.

The VOC's sampling point is located after the turbine meter where the volume of exhaust air is measured. The exhaust is connected to a duct for total measurement.

III. SAMPLING AND ANALYSIS PROCEDURES

A relative accuracy test audit was conducted on the MPLX Terminals Detroit Loading Facility's Zink vapor recovery unit that serves the tank truck loading facility for gasoline and diesel fuel. The audit was conducted on June 25, 2024.

The test procedures used followed those as required in the Code of Federal Regulations, CFR40, Part 60, Subpart XX including EPA Methods 2A, 21, 25B along with Performance Specification 8 for relative accuracy test audit procedures and CFR40, Part 63, Subpart R.

A. Vapor Recovery Units Initial Leak Check

An initial organic vapor leak check on the vapor recovery unit was conducted during the loading process prior to testing on June 25, 2024. All connections and fittings were checked by using EPA Method 21 procedures. An RKI Instruments Gas Tracer, Organic Vapor Analyzer, was used to detect any leakage from fittings. No leaks were detected.

B. Determination of Total Organic Concentrations

The total hydrocarbon sampling and analysis of both carbon beds were determined on site using an Infrared Industries IR208 NDIR Continuous Gas Monitoring Analyzer following EPA Method 25B. The sampling port was connected from the fitting leading to the turbine meter.

Zero gas and EPA Protocol 1 calibration standards in nitrogen were used in the calibration of the IR208 instrument. Each calibration gas was sent from the bottle to the three way valve and back through the sampling line for the leak check determination and efficiency of the sampling line.

A multi-gas cylinder consisting of propane and methane was used for analyzer verification purposes prior to and following the test and during each hourly drift check.

III. SAMPLING AND ANALYSIS PROCEDURES (cont'd.)

C. Vapor Flow Rate: Carbon Beds

The vapor volume flow rate from the exhaust was determined by using an American Turbine Meter following EPA Method 2A. The VRU's exhaust was routed through the turbine meter located inside the testing trailer. Readings were taken every minute.

D. Fuel Volume Determination

During each tanker loading process, the volume loaded was logged along with the tanker ID and purchaser. The recorded data were used in the determination of the volume of gasoline, for both accountable and total volumes.

IV. TEST RESULTS

A summary of the relative accuracy equations is presented in Appendix A. All relative accuracy test audit field data and calculation summary data are presented in Appendix B. The CEM monitor data is presented in Appendix C. Instrument and test equipment calibration data are presented in Appendix D. The US EPA approval letter is presented in Appendix E.

Based on the results of the relative accuracy test audit conducted on the Infrared Industries total hydrocarbon monitor, conclusions are as follows:

1. Results of the Vapor Recovery Unit CEM Relative Accuracy Test Audit conducted on the Infrared Industries CEM located on the VRU exhaust vent are within the requirements specified or Applicable Standard specified in the applicable performance specifications.

Appendix A

Relative Accuracy Calculation Equations

SUMMARY OF RELATIVE ACCURACY EQUATIONS

The total organic compounds mass emissions shall be calculated as follows:

$$E = \frac{\sum_{i=1}^{n} M_{ei}}{L}$$

where:

E = Mass of total organic compounds emitted per volume of gasoline loaded, mg/liter
M_{ei} = Mass of total organic compounds emitted during testing interval i, mg
L = Total volume of fuel loaded, liters
n = Number of testing interval

$$V_{es} = V_s \times 0.02832 \times C_m \times 17.65 \times (P_b + P_x/13.6)/T_g$$

where:

V_{es} = Exhaust standard gas volume, scm, @ 20°C and 760 mm Hg
V_s = Exhaust gas volume, cf
C_m = Meter coefficient
P_b = Barometric Pressure, "Hg.
P_x = Meter Pressure, "H2O.
T_g = Temperature of inlet gas, °R

The mass emitted during each testing interval shall be calculated as follows:

$$M_{ei} = K\, V_{es}\, C_e$$

where:

M_{ei} = Mass of total organic compounds emitted during testing interval i, mg
V_{es} = Exhaust gas volume, m^3, at standard conditions
C_e = Total organic compounds concentration (as measured) at the exhaust vent, ppmv
K = Density of calibration gas, mg/sm^3, at standard conditions = 1.83×10^6, for propane
S = Standard conditions, 20°C and 760 mm Hg

The absolute value for differences of reference method vs CEM value

AVERAGE DIFFERENCE (D):

n = No. Of Data Pairs

D_i= Individual Value

$$\frac{9}{n-1} \; 1/9 \; \Sigma d \; D_i$$

Standard Deviation Value (S_d):

$$S_d = \frac{[\Sigma d^2_i - [(1/n)\Sigma d_i]^2]^{1/2}}{n-1}$$

where:

Σd^2_i = sum of the differences squared
$[(1/n)\Sigma d_i]^2$ = sum of individual differences squared
n - 1 = degrees of freedom where n= number of individual values
1/2 = square root

Confidence Coefficient:

$$CC = t_{0.975} * S_d/\sqrt{n}$$

where:

$t_{0.975}$ = probability of a measurement will be biased 2.5% at a 95% level of confidence
Sd = Standard Deviation
$\sqrt{n}$ = Square root of number of individual values

Relative Accuracy (RA):

$$RA = \frac{[d] + [CC] * 100}{RM}$$

where:

[d] = Absolute Value for difference mean
[CC]= Absolute Value for Confidence Coefficient
RM = Absolute Value for Reference Method Mean

The mass concentration equivalent to 10 mg/l in percent:

$$\text{10 mg/l equiv} = \frac{(\text{average conc,\%}) \times 10}{\text{Conc, mg/l total}}$$

where:

10 mg/l equiv = 10 milligrams / liter equivalency concentration
avg. conc, % = Average concentration of VRU outlet
10.00 = 10 mg/L applicable standard
Conc, mg/l total = Compliance test results for total volume

Appendix B

Relative Accuracy Audit

Field and Calculation Summary Data

MARATHON PETROLEUM COMPANY LP
ENVIRONMENTAL FIELD SERVICES SECTION
STACK TESTING GROUP

LOCATION:	Detroit, MI Terminal
FACILITY:	MPLX
UNIT:	Zink VRU
PARAMETER:	NMHC-mg/l vs mg/l

DATE:	6/25/2024
ANALYZER:	INFRARED INDUSTRIES
RANGE:	5.00%
TEST No:	1,2,4,5,6,7,8,10,12,

RUN No:	START	FINISH	REF. MTD. CONC.	CEM CONC.	REF. MTD. AVG.	DIFFERENCE	MEAN DIFFERENCE	DIFFERENCE ^2
1	6:13	6:43	0.27	0.45	0.27	-0.18	-0.18	0.03
2	6:43	7:13	0.24	0.42	0.26	-0.18	-0.18	0.03
4	8:00	8:30	0.32	0.58	0.28	-0.26	-0.21	0.07
5	8:47	9:17	0.25	0.40	0.27	-0.15	-0.19	0.02
6	9:17	9:47	0.25	0.44	0.27	-0.19	-0.19	0.04
7	10:03	10:33	0.31	0.52	0.27	-0.21	-0.20	0.04
8	10:33	11:03	0.35	0.56	0.28	-0.21	-0.20	0.04
10	11:47	12:17	0.32	0.51	0.29	-0.19	-0.20	0.04
12	13:02	13:32	0.27	0.59	0.29	-0.32	-0.21	0.10
3	7:30	8:00	0.25	0.49	0.28	-0.24	-0.21	0.06
9	11:17	11:47	0.41	0.76	0.29	-0.35	-0.23	0.12
11	12:32	13:02	0.30	0.61	0.30	-0.31	-0.23	0.10

	REF. MTD. AVERAGE:	**0.29**
	DIFFERENCE MEAN:	**-0.21**
	STANDARD DEVIATION:	**0.05**
	T-VALUE:	**2.306**
	CONFIDENCE COEF.:	**0.04**
	RELATIVE ACCURACY:	**86.21%**
10	APPLICABLE STANDARD:	
	RELATIVE ACCURACY W/APP.ST.	**2.50%**

MARATHON PETROLEUM COMPANY LP
ENVIRONMENTAL FIELD SERVICES SECTION
STACK TESTING GROUP

LOCATION:	Detroit, MI Terminal
FACILITY:	MPLX
UNIT:	Zink VRU
PARAMETER:	NMHC % - conc. vs conc.

DATE:	6/25/2024
ANALYZER:	INFRARED INDUSTRIES
RANGE:	5.00%
TEST No:	1-2, 4-9, 11

RUN No:	START	FINISH	REF. MTD. CONC.	CEM CONC.	REF. MTD. AVG.	DIFFERENCE	MEAN DIFFERENCE	DIFFERENCE ^2
1	6:13	6:43	0.02	0.03	0.02	-0.01	-0.01	0.00
2	6:43	7:13	0.02	0.03	0.02	-0.01	-0.01	0.00
4	8:00	8:30	0.02	0.04	0.02	-0.02	-0.01	0.00
5	8:47	9:17	0.02	0.04	0.02	-0.02	-0.02	0.00
6	9:17	9:47	0.02	0.03	0.02	-0.01	-0.01	0.00
7	10:03	10:33	0.02	0.03	0.02	-0.01	-0.01	0.00
8	10:33	11:03	0.02	0.03	0.02	-0.01	-0.01	0.00
10	11:47	12:17	0.02	0.03	0.02	-0.01	-0.01	0.00
12	13:02	13:32	0.01	0.03	0.02	-0.02	-0.01	0.00
3	7:30	8:00	0.02	0.04	0.02	-0.02	-0.14	0.00
9	11:17	11:47	0.02	0.04	0.02	-0.02	-0.05	0.00
11	12:32	13:02	0.02	0.04	0.02	-0.02	-0.02	0.00

	REF. MTD. AVERAGE:	**0.02**
	DIFFERENCE MEAN:	**-0.01**
	STANDARD DEVIATION:	**0.01**
	T-VALUE:	**2.306**
	CONFIDENCE COEF.:	**0.01**
	RELATIVE ACCURACY:	**100.00%**
0.49	APPLICABLE STANDARD:	
	RELATIVE ACCURACY W/APP.ST.	**4.08%**

Date	Time	NMHC	THC	CH4	SAMPLE TEMPERATURE	BACK PRESSURE	BAROMETRIC PRESSURE	TURBINE COUNTS
6/25/2024	5:00	0.01	0.05	0.55	72.40	0.05	29.32	41100.00
6/25/2024	5:01	0.01	0.05	0.55	72.39	0.05	29.32	41100.00
6/25/2024	5:02	0.01	0.05	0.55	72.36	0.04	29.32	41200.00
6/25/2024	5:03	0.01	0.05	0.55	72.30	0.03	29.32	41200.00
6/25/2024	5:04	0.01	0.05	0.55	72.21	0.03	29.32	41200.00
6/25/2024	5:05	0.01	0.05	0.55	72.18	0.04	29.32	41300.00
6/25/2024	5:06	0.01	0.03	0.23	72.14	0.04	29.32	41300.00
6/25/2024	5:07	0.00	0.01	0.02	72.14	0.04	29.32	41400.00
6/25/2024	5:08	0.00	0.01	0.02	72.13	0.04	29.32	41400.00
6/25/2024	5:09	0.00	0.01	0.02	72.12	0.04	29.31	41500.00
6/25/2024	5:10	0.00	0.01	0.02	72.12	0.04	29.31	41500.00
6/25/2024	5:11	0.04	0.05	0.03	72.19	0.04	29.31	41600.00
6/25/2024	5:12	1.09	1.11	0.04	72.27	0.06	29.31	41600.00
6/25/2024	5:13	1.11	1.11	0.02	72.32	0.04	29.31	41700.00
6/25/2024	5:14	0.89	0.90	0.02	72.80	0.03	29.31	41700.00
6/25/2024	5:15	0.88	0.89	0.02	72.46	0.07	29.32	41700.00
6/25/2024	5:16	0.88	0.89	0.02	72.49	0.10	29.32	41900.00
6/25/2024	5:17	0.88	0.88	0.02	72.48	0.07	29.32	41900.00
6/25/2024	5:18	0.54	0.54	0.02	72.50	0.05	29.32	42000.00
6/25/2024	5:19	0.49	0.49	0.02	72.46	0.04	29.31	42000.00
6/25/2024	5:20	0.49	0.49	0.02	72.43	0.04	29.31	42100.00
6/25/2024	5:21	0.49	0.49	0.02	72.47	0.05	29.31	42200.00
6/25/2024	5:22	0.47	0.48	0.02	72.48	0.06	29.31	42300.00
6/25/2024	5:23	0.26	0.27	0.02	72.54	0.05	29.31	42300.00
6/25/2024	5:24	0.24	0.25	0.02	72.56	0.05	29.31	42400.00
6/25/2024	5:25	0.24	0.25	0.02	72.54	0.06	29.31	42500.00
6/25/2024	5:26	0.24	0.25	0.02	72.49	0.04	29.31	42500.00
6/25/2024	5:27	0.25	0.25	0.02	72.39	0.04	29.31	42500.00
6/25/2024	5:28	0.25	0.26	0.02	72.28	0.04	29.31	42600.00
6/25/2024	5:29	0.25	0.26	0.02	72.21	0.04	29.31	42600.00
6/25/2024	5:30	0.24	0.25	0.02	72.20	0.05	29.31	42700.00
6/25/2024	5:31	0.03	0.04	0.02	72.24	0.06	29.31	42800.00
6/25/2024	5:32	0.00	0.01	0.02	72.32	0.06	29.31	42800.00
6/25/2024	5:33	0.00	0.01	0.02	72.58	0.03	29.31	42800.00
6/25/2024	5:34	0.01	0.04	0.71	72.89	0.04	29.31	42800.00
6/25/2024	5:35	0.02	0.42	18.07	72.58	0.09	29.31	42900.00
6/25/2024	5:36	0.01	0.40	17.16	72.58	0.09	29.31	43100.00
6/25/2024	5:37	0.01	0.40	17.02	72.59	0.07	29.31	43100.00
6/25/2024	5:38	0.01	0.40	17.01	72.57	0.06	29.31	43200.00
6/25/2024	5:39	0.01	0.40	17.02	72.53	0.04	29.30	43300.00
6/25/2024	5:40	0.01	0.40	17.00	72.43	0.04	29.30	43300.00
6/25/2024	5:41	0.01	0.34	13.44	72.35	0.04	29.30	43400.00
6/25/2024	5:42	0.01	0.28	9.96	72.27	0.04	29.30	43400.00
6/25/2024	5:43	0.01	0.28	9.96	72.19	0.04	29.30	43500.00
6/25/2024	5:44	0.01	0.28	9.95	72.21	0.04	29.30	43500.00
6/25/2024	5:45	0.01	0.28	9.93	72.26	0.04	29.29	43600.00
6/25/2024	5:46	0.01	0.28	9.63	72.26	0.06	29.29	43700.00
6/25/2024	5:47	0.01	0.27	9.28	72.55	0.42	29.29	44000.00
6/25/2024	5:48	0.01	0.27	9.26	72.79	0.20	29.29	44200.00
6/25/2024	5:49	0.01	0.26	8.57	72.79	0.16	29.29	44500.00
6/25/2024	5:50	0.00	0.20	5.96	72.91	0.43	29.29	44800.00
6/25/2024	5:51	0.00	0.20	5.95	73.22	0.78	29.28	45400.00
6/25/2024	5:52	0.00	0.20	5.94	73.53	0.85	29.28	45800.00
6/25/2024	5:53	0.00	0.19	5.14	73.72	1.09	29.28	46400.00
6/25/2024	5:54	0.01	0.06	0.62	73.82	0.82	29.28	46800.00
6/25/2024	5:55	0.00	0.01	0.02	73.61	0.32	29.28	47000.00
6/25/2024	5:56	0.00	0.01	0.04	73.35	0.37	29.28	47400.00
6/25/2024	5:57	0.01	0.17	4.62	73.26	0.30	29.27	47500.00
6/25/2024	5:58	0.00	0.20	5.92	72.77	0.14	29.27	47600.00
6/25/2024	5:59	0.00	0.20	5.84	72.94	0.20	29.27	47800.00
6/25/2024	6:00	0.01	0.06	0.85	72.98	0.15	29.27	48000.00
6/25/2024	6:01	0.19	0.44	8.52	73.02	0.38	29.26	48300.00
6/25/2024	6:02	0.29	0.71	15.23	73.22	0.42	29.26	48700.00
6/25/2024	6:03	0.29	0.71	15.23	73.42	0.62	29.26	49100.00
6/25/2024	6:04	0.29	0.71	15.23	73.72	0.69	29.26	49500.00
6/25/2024	6:05	0.29	0.71	15.21	73.85	0.70	29.25	50000.00
6/25/2024	6:06	0.25	0.42	4.96	73.92	0.59	29.25	50400.00
6/25/2024	6:07	0.24	0.25	0.02	73.90	1.30	29.26	51300.00
6/25/2024	6:08	0.24	0.25	0.02	74.34	3.96	29.26	52400.00
6/25/2024	6:09	0.24	0.25	0.02	74.53	3.08	29.26	53200.00
6/25/2024	6:10	0.10	0.11	0.05	74.43	1.91	29.26	53900.00
6/25/2024	6:11	0.01	0.02	0.06	74.54	2.02	29.27	54700.00
6/25/2024	6:12	0.01	0.02	0.08	74.64	1.86	29.27	55500.00
6/25/2024	6:13	0.01	0.02	0.12	74.74	1.75	29.27	200.00
6/25/2024	6:14	0.01	0.03	0.16	74.73	1.08	29.27	700.00
6/25/2024	6:15	0.01	0.03	0.18	74.62	0.60	29.27	1000.00
6/25/2024	6:16	0.01	0.03	0.19	74.37	0.33	29.27	1300.00
6/25/2024	6:17	0.01	0.03	0.18	74.14	0.30	29.28	1500.00
6/25/2024	6:18	0.01	0.03	0.18	73.96	0.23	29.28	1800.00
6/25/2024	6:19	0.01	0.03	0.19	73.80	0.25	29.28	2000.00
6/25/2024	6:20	0.01	0.03	0.19	73.74	0.30	29.28	2300.00
6/25/2024	6:21	0.01	0.03	0.21	73.63	0.22	29.29	2500.00
6/25/2024	6:22	0.01	0.03	0.22	73.57	0.22	29.28	2700.00
6/25/2024	6:23	0.01	0.03	0.23	73.60	0.25	29.28	3000.00
6/25/2024	6:24	0.01	0.03	0.22	73.67	0.49	29.28	3500.00
6/25/2024	6:25	0.01	0.03	0.22	74.13	1.17	29.28	4100.00

Date	Time	NMHC	THC	CH4	SAMPLE TEMPERATURE	BACK PRESSURE	BAROMETRIC PRESSURE	TURBINE COUNTS
6/25/2024	6:26	0.01	0.04	0.25	74.71	0.98	29.29	4500.00
6/25/2024	6:27	0.02	0.04	0.25	74.65	0.38	29.29	4800.00
6/25/2024	6:28	0.02	0.04	0.23	74.59	0.41	29.30	5100.00
6/25/2024	6:29	0.02	0.04	0.21	74.76	0.44	29.30	5300.00
6/25/2024	6:30	0.01	0.02	0.11	73.99	0.00	29.31	5300.00
6/25/2024	6:31	0.00	0.01	0.03	73.71	0.21	29.31	5400.00
6/25/2024	6:32	0.01	0.03	0.16	74.10	0.24	29.31	5700.00
6/25/2024	6:33	0.01	0.03	0.14	74.16	0.26	29.31	5900.00
6/25/2024	6:34	0.02	0.04	0.19	74.33	0.56	29.31	6400.00
6/25/2024	6:35	0.02	0.04	0.19	74.84	1.32	29.31	7100.00
6/25/2024	6:36	0.02	0.05	0.20	75.59	1.89	29.31	7900.00
6/25/2024	6:37	0.03	0.05	0.19	76.01	1.60	29.31	8500.00
6/25/2024	6:38	0.03	0.05	0.16	76.12	1.40	29.31	9200.00
6/25/2024	6:39	0.03	0.05	0.13	76.37	1.41	29.31	9800.00
6/25/2024	6:40	0.03	0.05	0.12	76.49	1.54	29.30	10500.00
6/25/2024	6:41	0.04	0.06	0.18	76.69	1.33	29.30	11100.00
6/25/2024	6:42	0.05	0.08	0.27	76.64	1.04	29.30	11600.00
6/25/2024	6:43	0.09	0.12	0.36	76.37	0.69	29.31	12200.00
6/25/2024	6:44	0.06	0.08	0.23	75.88	3.21	29.31	13200.00
6/25/2024	6:45	0.01	0.02	0.08	75.47	2.43	29.31	13900.00
6/25/2024	6:46	0.01	0.04	0.36	75.16	1.03	29.31	14300.00
6/25/2024	6:47	0.01	0.05	0.51	74.90	0.30	29.31	14500.00
6/25/2024	6:48	0.01	0.05	0.54	74.70	0.10	29.31	14600.00
6/25/2024	6:49	0.01	0.05	0.54	74.53	0.12	29.31	14800.00
6/25/2024	6:50	0.00	0.05	0.54	74.48	0.29	29.30	15100.00
6/25/2024	6:51	0.01	0.05	0.51	74.58	0.51	29.30	15500.00
6/25/2024	6:52	0.01	0.04	0.47	74.68	0.55	29.30	15900.00
6/25/2024	6:53	0.01	0.04	0.44	74.70	0.51	29.30	16300.00
6/25/2024	6:54	0.01	0.04	0.42	74.75	0.71	29.30	16700.00
6/25/2024	6:55	0.01	0.04	0.36	74.79	0.65	29.30	17100.00
6/25/2024	6:56	0.01	0.03	0.27	74.77	0.66	29.30	17600.00
6/25/2024	6:57	0.01	0.03	0.18	74.87	1.11	29.30	18200.00
6/25/2024	6:58	0.01	0.03	0.10	75.10	1.01	29.30	18700.00
6/25/2024	6:59	0.01	0.03	0.07	75.16	0.98	29.30	19200.00
6/25/2024	7:00	0.02	0.03	0.06	75.31	0.91	29.29	19700.00
6/25/2024	7:01	0.02	0.03	0.05	75.30	0.77	29.30	20200.00
6/25/2024	7:02	0.02	0.03	0.06	75.39	1.02	29.30	20800.00
6/25/2024	7:03	0.02	0.04	0.11	75.57	0.98	29.29	21300.00
6/25/2024	7:04	0.02	0.04	0.18	75.75	1.16	29.29	21900.00
6/25/2024	7:05	0.02	0.05	0.27	76.07	1.54	29.29	22500.00
6/25/2024	7:06	0.02	0.04	0.26	75.30	0.44	29.29	22700.00
6/25/2024	7:07	0.01	0.02	0.12	75.08	1.26	29.29	23200.00
6/25/2024	7:08	0.02	0.05	0.25	75.66	0.77	29.30	23700.00
6/25/2024	7:09	0.02	0.04	0.21	75.48	0.65	29.30	24100.00
6/25/2024	7:10	0.02	0.05	0.28	75.62	0.88	29.31	24600.00
6/25/2024	7:11	0.02	0.05	0.32	75.82	0.66	29.30	25000.00
6/25/2024	7:12	0.03	0.05	0.31	75.74	0.29	29.30	25200.00
6/25/2024	7:13	0.03	0.05	0.27	75.56	0.21	29.30	25400.00
6/25/2024	7:14	0.02	0.05	0.24	75.40	0.21	29.30	25600.00
6/25/2024	7:15	0.02	0.05	0.21	75.28	0.23	29.30	25800.00
6/25/2024	7:16	0.02	0.04	0.17	75.14	0.24	29.30	26100.00
6/25/2024	7:17	0.00	0.01	0.02	75.14	0.41	29.30	26500.00
6/25/2024	7:18	0.00	0.01	0.02	75.38	0.66	29.31	26900.00
6/25/2024	7:19	0.01	0.04	0.75	75.61	0.58	29.31	27300.00
6/25/2024	7:20	0.00	0.20	5.83	75.63	0.47	29.30	27700.00
6/25/2024	7:21	0.00	0.20	5.93	75.70	0.59	29.30	28100.00
6/25/2024	7:22	0.00	0.20	5.93	75.91	0.71	29.30	28500.00
6/25/2024	7:23	0.07	0.22	3.72	76.10	0.82	29.30	29000.00
6/25/2024	7:24	0.24	0.25	0.02	76.36	0.71	29.31	29400.00
6/25/2024	7:25	0.25	0.25	0.02	76.30	1.45	29.31	30300.00
6/25/2024	7:26	0.27	0.40	4.03	76.13	2.40	29.31	31000.00
6/25/2024	7:27	0.29	0.71	15.19	76.08	1.93	29.32	31900.00
6/25/2024	7:28	0.29	0.70	14.96	76.27	2.29	29.32	32500.00
6/25/2024	7:29	0.04	0.11	1.57	76.20	0.89	29.32	33000.00
6/25/2024	7:30	0.01	0.04	0.29	76.05	0.81	29.32	33500.00
6/25/2024	7:31	0.01	0.04	0.33	76.09	1.20	29.32	34200.00
6/25/2024	7:32	0.01	0.04	0.37	76.35	1.53	29.32	34800.00
6/25/2024	7:33	0.01	0.05	0.43	76.51	1.23	29.31	35400.00
6/25/2024	7:34	0.01	0.05	0.44	76.60	1.29	29.31	36000.00
6/25/2024	7:35	0.02	0.05	0.43	76.78	1.44	29.31	36700.00
6/25/2024	7:36	0.02	0.05	0.38	76.96	1.66	29.31	37400.00
6/25/2024	7:37	0.02	0.05	0.36	76.93	1.05	29.31	37800.00
6/25/2024	7:38	0.02	0.05	0.41	76.69	0.60	29.31	38200.00
6/25/2024	7:39	0.02	0.06	0.46	76.50	0.62	29.30	38700.00
6/25/2024	7:40	0.02	0.06	0.50	76.45	0.66	29.30	39000.00
6/25/2024	7:41	0.02	0.06	0.52	76.34	0.29	29.30	39300.00
6/25/2024	7:42	0.02	0.06	0.49	76.27	0.46	29.30	39600.00
6/25/2024	7:43	0.03	0.06	0.42	76.23	0.10	29.29	39600.00
6/25/2024	7:44	0.02	0.06	0.39	76.05	0.06	29.29	39700.00
6/25/2024	7:45	0.02	0.06	0.38	75.82	0.12	29.29	39900.00
6/25/2024	7:46	0.03	0.05	0.34	75.69	0.17	29.29	40100.00
6/25/2024	7:47	0.03	0.05	0.31	75.65	0.14	29.29	40200.00
6/25/2024	7:48	0.01	0.03	0.14	74.69	0.00	29.29	40200.00
6/25/2024	7:49	0.01	0.02	0.08	74.94	0.55	29.29	40600.00
6/25/2024	7:50	0.02	0.04	0.22	75.82	1.08	29.29	41200.00
6/25/2024	7:51	0.02	0.04	0.21	76.16	0.96	29.29	41700.00

Date	Time	NMHC	THC	CH4	SAMPLE TEMPERATURE	BACK PRESSURE	BAROMETRIC PRESSURE	TURBINE COUNTS
6/25/2024	7:52	0.03	0.06	0.28	76.42	0.92	29.28	42200.00
6/25/2024	7:53	0.04	0.07	0.45	76.64	1.20	29.28	42800.00
6/25/2024	7:54	0.04	0.09	0.61	76.83	0.81	29.28	43200.00
6/25/2024	7:55	0.04	0.08	0.59	76.70	1.62	29.28	44100.00
6/25/2024	7:56	0.01	0.02	0.08	76.66	2.22	29.28	44800.00
6/25/2024	7:57	0.01	0.04	0.37	76.55	1.00	29.28	45200.00
6/25/2024	7:58	0.01	0.06	0.65	76.28	0.46	29.28	45500.00
6/25/2024	7:59	0.01	0.06	0.77	76.07	0.34	29.29	45800.00
6/25/2024	8:00	0.01	0.07	0.82	75.96	0.45	29.29	46200.00
6/25/2024	8:01	0.01	0.07	0.84	75.86	0.41	29.29	46500.00
6/25/2024	8:02	0.01	0.07	0.83	75.72	0.49	29.29	46900.00
6/25/2024	8:03	0.01	0.07	0.80	75.89	1.02	29.29	47500.00
6/25/2024	8:04	0.01	0.06	0.75	76.21	1.23	29.28	48100.00
6/25/2024	8:05	0.01	0.07	0.83	76.34	1.00	29.28	48600.00
6/25/2024	8:06	0.02	0.07	0.76	76.46	0.88	29.28	49100.00
6/25/2024	8:07	0.02	0.06	0.54	76.53	0.94	29.28	49600.00
6/25/2024	8:08	0.02	0.05	0.39	76.64	1.01	29.28	50100.00
6/25/2024	8:09	0.02	0.05	0.25	76.63	0.64	29.28	50500.00
6/25/2024	8:10	0.02	0.04	0.15	76.42	0.61	29.28	51000.00
6/25/2024	8:11	0.03	0.04	0.13	76.46	0.93	29.28	51500.00
6/25/2024	8:12	0.03	0.05	0.13	76.47	0.50	29.28	51800.00
6/25/2024	8:13	0.03	0.05	0.11	76.23	0.36	29.27	52000.00
6/25/2024	8:14	0.03	0.04	0.09	76.04	0.34	29.27	52400.00
6/25/2024	8:15	0.03	0.04	0.06	76.00	0.44	29.27	52700.00
6/25/2024	8:16	0.03	0.04	0.04	75.96	0.46	29.27	53100.00
6/25/2024	8:17	0.03	0.04	0.03	75.91	0.56	29.27	53200.00
6/25/2024	8:18	0.01	0.01	0.02	74.84	0.62	29.27	53700.00
6/25/2024	8:19	0.03	0.04	0.02	76.01	0.92	29.27	54100.00
6/25/2024	8:20	0.02	0.03	0.02	76.10	0.80	29.27	54600.00
6/25/2024	8:21	0.03	0.04	0.04	76.25	1.14	29.27	55300.00
6/25/2024	8:22	0.03	0.05	0.19	76.70	1.40	29.27	55900.00
6/25/2024	8:23	0.03	0.06	0.34	76.87	1.36	29.27	56500.00
6/25/2024	8:24	0.04	0.07	0.41	77.01	1.13	29.26	57100.00
6/25/2024	8:25	0.04	0.08	0.50	77.02	1.65	29.26	58000.00
6/25/2024	8:26	0.02	0.04	0.16	77.12	3.71	29.26	58900.00
6/25/2024	8:27	0.01	0.04	0.28	76.87	1.75	29.26	59500.00
6/25/2024	8:28	0.01	0.05	0.54	76.49	0.81	29.26	59900.00
6/25/2024	8:29	0.01	0.06	0.67	76.16	0.32	29.26	60200.00
6/25/2024	8:30	0.01	0.06	0.73	75.84	0.30	29.26	60400.00
6/25/2024	8:31	0.01	0.07	0.77	75.55	0.13	29.26	60600.00
6/25/2024	8:32	0.21	0.49	9.90	75.27	0.14	29.26	60700.00
6/25/2024	8:33	0.29	0.71	15.14	75.15	0.28	29.26	61100.00
6/25/2024	8:34	0.29	0.71	15.13	75.34	0.64	29.26	61500.00
6/25/2024	8:35	0.27	0.58	10.33	75.45	0.32	29.26	61700.00
6/25/2024	8:36	0.25	0.25	0.03	75.42	0.44	29.26	62100.00
6/25/2024	8:37	0.24	0.25	0.02	75.61	0.92	29.26	62700.00
6/25/2024	8:38	0.04	0.05	0.02	75.98	1.36	29.26	63300.00
6/25/2024	8:39	0.00	0.01	0.02	76.08	1.09	29.26	63900.00
6/25/2024	8:40	0.00	0.01	0.02	76.05	1.10	29.26	64500.00
6/25/2024	8:41	0.00	0.01	0.05	76.04	1.18	29.26	65100.00
6/25/2024	8:42	0.01	0.18	4.71	76.25	1.51	29.26	65700.00
6/25/2024	8:43	0.00	0.20	5.86	76.35	1.25	29.26	66300.00
6/25/2024	8:44	0.00	0.20	5.86	76.24	0.74	29.26	66800.00
6/25/2024	8:45	0.01	0.13	3.04	76.14	1.05	29.25	67300.00
6/25/2024	8:46	0.03	0.05	0.28	76.28	1.25	29.25	68000.00
6/25/2024	8:47	0.03	0.05	0.27	76.39	1.12	29.25	68300.00
6/25/2024	8:48	0.02	0.04	0.20	75.24	0.07	29.26	68300.00
6/25/2024	8:49	0.01	0.01	0.06	74.58	0.42	29.26	68600.00
6/25/2024	8:50	0.03	0.06	0.40	75.04	0.42	29.26	68900.00
6/25/2024	8:51	0.02	0.05	0.35	74.90	0.15	29.26	69100.00
6/25/2024	8:52	0.03	0.07	0.49	74.65	0.27	29.26	69400.00
6/25/2024	8:53	0.04	0.08	0.55	74.70	0.43	29.26	69700.00
6/25/2024	8:54	0.04	0.08	0.59	74.61	0.22	29.26	70100.00
6/25/2024	8:55	0.03	0.06	0.42	74.65	1.38	29.26	70700.00
6/25/2024	8:56	0.01	0.02	0.10	74.88	1.22	29.26	71200.00
6/25/2024	8:57	0.01	0.03	0.21	74.68	0.62	29.26	71700.00
6/25/2024	8:58	0.01	0.04	0.35	74.45	1.20	29.25	72300.00
6/25/2024	8:59	0.01	0.05	0.45	74.61	1.76	29.25	73100.00
6/25/2024	9:00	0.01	0.05	0.44	74.72	1.54	29.25	73700.00
6/25/2024	9:01	0.01	0.03	0.25	74.48	1.61	29.25	74400.00
6/25/2024	9:02	0.01	0.03	0.12	74.56	2.25	29.25	75300.00
6/25/2024	9:03	0.01	0.03	0.17	74.62	2.05	29.25	76000.00
6/25/2024	9:04	0.02	0.04	0.31	74.43	1.64	29.25	76700.00
6/25/2024	9:05	0.02	0.05	0.40	74.57	1.79	29.26	77500.00
6/25/2024	9:06	0.02	0.06	0.43	74.76	1.78	29.26	78100.00
6/25/2024	9:07	0.02	0.06	0.39	74.72	1.10	29.26	78600.00
6/25/2024	9:08	0.02	0.05	0.35	74.60	0.83	29.26	79100.00
6/25/2024	9:09	0.03	0.05	0.33	74.56	0.82	29.26	79600.00
6/25/2024	9:10	0.03	0.05	0.31	74.43	0.56	29.27	79900.00
6/25/2024	9:11	0.03	0.05	0.26	74.32	0.39	29.27	80200.00
6/25/2024	9:12	0.03	0.05	0.22	74.15	0.36	29.28	80500.00
6/25/2024	9:13	0.03	0.05	0.19	74.12	0.41	29.30	80800.00
6/25/2024	9:14	0.03	0.05	0.18	74.08	0.39	29.31	81200.00
6/25/2024	9:15	0.03	0.05	0.17	74.09	0.52	29.32	81600.00
6/25/2024	9:16	0.03	0.05	0.15	74.34	0.76	29.33	81900.00
6/25/2024	9:17	0.03	0.04	0.11	74.40	0.15	29.34	82000.00

Date	Time	NMHC	THC	CH4	SAMPLE TEMPERATURE	BACK PRESSURE	BAROMETRIC PRESSURE	TURBINE COUNTS
6/25/2024	9:18	0.01	0.02	0.06	74.43	1.00	29.35	82500.00
6/25/2024	9:19	0.03	0.05	0.11	74.72	0.73	29.37	83100.00
6/25/2024	9:20	0.02	0.04	0.07	75.07	3.02	29.37	84300.00
6/25/2024	9:21	0.01	0.02	0.05	75.64	4.39	29.37	85300.00
6/25/2024	9:22	0.01	0.03	0.14	75.05	2.47	29.36	86000.00
6/25/2024	9:23	0.01	0.03	0.15	74.16	1.15	29.35	86500.00
6/25/2024	9:24	0.01	0.03	0.17	73.50	1.06	29.36	87100.00
6/25/2024	9:25	0.01	0.03	0.18	73.12	1.20	29.37	87700.00
6/25/2024	9:26	0.01	0.03	0.17	72.73	0.78	29.37	88100.00
6/25/2024	9:27	0.01	0.03	0.15	71.93	0.48	29.37	88400.00
6/25/2024	9:28	0.01	0.03	0.13	71.29	0.30	29.36	88700.00
6/25/2024	9:29	0.01	0.03	0.12	70.87	0.37	29.36	89000.00
6/25/2024	9:30	0.01	0.03	0.11	70.65	0.41	29.36	89300.00
6/25/2024	9:31	0.01	0.03	0.09	70.24	0.24	29.36	89500.00
6/25/2024	9:32	0.01	0.03	0.09	69.76	0.16	29.36	89700.00
6/25/2024	9:33	0.01	0.03	0.08	69.39	0.39	29.35	90100.00
6/25/2024	9:34	0.01	0.03	0.09	69.75	0.98	29.35	90700.00
6/25/2024	9:35	0.01	0.03	0.11	70.41	1.55	29.35	91400.00
6/25/2024	9:36	0.02	0.03	0.10	70.98	2.16	29.35	92200.00
6/25/2024	9:37	0.02	0.03	0.06	71.32	2.13	29.35	93000.00
6/25/2024	9:38	0.02	0.03	0.04	71.29	1.53	29.36	93600.00
6/25/2024	9:39	0.02	0.03	0.03	71.06	1.20	29.36	94200.00
6/25/2024	9:40	0.02	0.03	0.04	71.08	1.48	29.36	94900.00
6/25/2024	9:41	0.02	0.04	0.05	71.43	2.21	29.36	95700.00
6/25/2024	9:42	0.03	0.04	0.08	71.43	1.28	29.36	95900.00
6/25/2024	9:43	0.01	0.02	0.03	68.63	0.16	29.36	96100.00
6/25/2024	9:44	0.02	0.03	0.08	69.65	0.42	29.36	96300.00
6/25/2024	9:45	0.02	0.04	0.11	69.91	0.30	29.36	96600.00
6/25/2024	9:46	0.03	0.04	0.11	69.73	0.15	29.35	96700.00
6/25/2024	9:47	0.03	0.05	0.13	69.57	0.08	29.35	96900.00
6/25/2024	9:48	0.03	0.05	0.13	69.30	0.18	29.35	97100.00
6/25/2024	9:49	0.02	0.04	0.11	69.25	0.37	29.35	97400.00
6/25/2024	9:50	0.00	0.01	0.02	69.63	0.68	29.35	98000.00
6/25/2024	9:51	0.01	0.01	0.08	70.22	2.16	29.35	99200.00
6/25/2024	9:52	0.01	0.18	5.02	70.80	7.24	29.35	100600.00
6/25/2024	9:53	0.00	0.20	5.91	70.99	5.20	29.35	101800.00
6/25/2024	9:54	0.01	0.20	5.70	71.09	4.19	29.35	102800.00
6/25/2024	9:55	0.22	0.25	0.38	70.99	2.86	29.35	103700.00
6/25/2024	9:56	0.25	0.25	0.02	70.85	2.17	29.34	104400.00
6/25/2024	9:57	0.25	0.27	0.17	70.70	1.34	29.34	104900.00
6/25/2024	9:58	0.30	0.66	13.07	70.34	0.53	29.34	105200.00
6/25/2024	9:59	0.29	0.71	15.25	69.88	0.33	29.34	105500.00
6/25/2024	10:00	0.29	0.71	15.25	69.59	0.22	29.34	105700.00
6/25/2024	10:01	0.16	0.39	7.66	69.31	0.18	29.34	105900.00
6/25/2024	10:02	0.01	0.03	0.05	69.05	0.24	29.33	106100.00
6/25/2024	10:03	0.01	0.03	0.05	68.93	0.38	29.33	106500.00
6/25/2024	10:04	0.02	0.03	0.05	69.07	0.68	29.33	107000.00
6/25/2024	10:05	0.02	0.03	0.07	69.49	1.45	29.33	107700.00
6/25/2024	10:06	0.02	0.03	0.08	70.24	1.93	29.33	108500.00
6/25/2024	10:07	0.02	0.03	0.06	70.54	1.35	29.33	109000.00
6/25/2024	10:08	0.02	0.03	0.04	70.39	0.86	29.33	109500.00
6/25/2024	10:09	0.02	0.03	0.03	70.25	0.81	29.33	109900.00
6/25/2024	10:10	0.02	0.04	0.04	70.11	0.81	29.33	110400.00
6/25/2024	10:11	0.03	0.04	0.04	69.92	0.41	29.33	110700.00
6/25/2024	10:12	0.02	0.04	0.04	69.78	0.64	29.33	111200.00
6/25/2024	10:13	0.03	0.04	0.04	70.07	1.17	29.34	111500.00
6/25/2024	10:14	0.02	0.03	0.03	68.82	0.13	29.33	111700.00
6/25/2024	10:15	0.01	0.02	0.08	68.79	0.22	29.33	111900.00
6/25/2024	10:16	0.02	0.04	0.17	69.15	0.25	29.34	112200.00
6/25/2024	10:17	0.02	0.04	0.16	69.34	0.56	29.34	112600.00
6/25/2024	10:18	0.03	0.06	0.30	69.64	0.79	29.33	113000.00
6/25/2024	10:19	0.03	0.06	0.31	69.75	0.61	29.34	113500.00
6/25/2024	10:20	0.03	0.06	0.30	69.65	0.55	29.34	113800.00
6/25/2024	10:21	0.03	0.06	0.34	69.50	0.36	29.34	114100.00
6/25/2024	10:22	0.03	0.07	0.42	69.44	0.51	29.34	114500.00
6/25/2024	10:23	0.04	0.08	0.61	69.50	0.47	29.33	114800.00
6/25/2024	10:24	0.04	0.09	0.83	69.27	0.38	29.33	115200.00
6/25/2024	10:25	0.03	0.09	0.76	69.29	1.89	29.33	116000.00
6/25/2024	10:26	0.01	0.02	0.04	69.59	1.87	29.34	116700.00
6/25/2024	10:27	0.01	0.03	0.21	69.56	0.93	29.34	117100.00
6/25/2024	10:28	0.01	0.04	0.39	69.43	0.65	29.34	117500.00
6/25/2024	10:29	0.01	0.05	0.53	69.35	0.70	29.34	118000.00
6/25/2024	10:30	0.01	0.06	0.64	69.35	0.82	29.33	118400.00
6/25/2024	10:31	0.01	0.06	0.62	69.32	0.57	29.33	118800.00
6/25/2024	10:32	0.01	0.05	0.52	69.27	0.53	29.33	119200.00
6/25/2024	10:33	0.01	0.05	0.43	69.34	0.84	29.33	119700.00
6/25/2024	10:34	0.01	0.04	0.39	69.49	0.81	29.33	120200.00
6/25/2024	10:35	0.01	0.05	0.42	69.53	0.87	29.32	120700.00
6/25/2024	10:36	0.01	0.05	0.46	69.62	1.01	29.32	121200.00
6/25/2024	10:37	0.01	0.05	0.47	69.75	0.89	29.32	121700.00
6/25/2024	10:38	0.01	0.05	0.43	69.68	1.13	29.32	122400.00
6/25/2024	10:39	0.02	0.05	0.39	69.92	1.91	29.32	123200.00
6/25/2024	10:40	0.02	0.05	0.34	70.21	1.78	29.32	123800.00
6/25/2024	10:41	0.02	0.04	0.28	70.09	1.27	29.33	124400.00
6/25/2024	10:42	0.02	0.04	0.24	69.96	1.17	29.33	125000.00
6/25/2024	10:43	0.02	0.04	0.23	69.96	1.09	29.33	125500.00

Date	Time	NMHC	THC	CH4	SAMPLE TEMPERATURE	BACK PRESSURE	BAROMETRIC PRESSURE	TURBINE COUNTS
6/25/2024	10:44	0.02	0.04	0.21	70.04	0.70	29.33	125900.00
6/25/2024	10:45	0.02	0.04	0.19	69.78	0.32	29.32	126100.00
6/25/2024	10:46	0.02	0.04	0.17	69.36	0.28	29.32	126400.00
6/25/2024	10:47	0.02	0.04	0.16	68.88	0.22	29.32	126500.00
6/25/2024	10:48	0.01	0.01	0.03	67.66	0.10	29.32	126600.00
6/25/2024	10:49	0.01	0.03	0.08	68.45	0.52	29.31	127000.00
6/25/2024	10:50	0.02	0.03	0.12	68.86	0.46	29.31	127300.00
6/25/2024	10:51	0.03	0.04	0.13	68.86	0.38	29.31	127600.00
6/25/2024	10:52	0.03	0.05	0.14	68.89	0.31	29.31	127900.00
6/25/2024	10:53	0.04	0.05	0.15	68.99	0.56	29.31	128400.00
6/25/2024	10:54	0.04	0.06	0.18	69.61	1.09	29.31	128900.00
6/25/2024	10:55	0.05	0.07	0.22	70.01	0.89	29.31	129600.00
6/25/2024	10:56	0.03	0.05	0.15	69.86	2.82	29.31	130500.00
6/25/2024	10:57	0.01	0.02	0.04	69.66	2.02	29.31	131100.00
6/25/2024	10:58	0.01	0.02	0.08	69.44	1.20	29.31	131700.00
6/25/2024	10:59	0.01	0.02	0.07	69.21	0.69	29.31	132000.00
6/25/2024	11:00	0.01	0.02	0.07	68.96	0.40	29.32	132400.00
6/25/2024	11:01	0.01	0.02	0.07	68.85	0.60	29.32	132800.00
6/25/2024	11:02	0.01	0.02	0.07	68.90	0.78	29.32	133200.00
6/25/2024	11:03	0.01	0.02	0.08	68.96	0.49	29.32	133600.00
6/25/2024	11:04	0.01	0.02	0.08	68.98	0.85	29.32	134200.00
6/25/2024	11:05	0.01	0.01	0.04	69.17	1.10	29.32	134800.00
6/25/2024	11:06	0.00	0.01	0.02	69.51	1.64	29.31	135400.00
6/25/2024	11:07	0.01	0.02	0.25	69.60	1.23	29.31	136000.00
6/25/2024	11:08	0.01	0.19	5.46	69.56	1.10	29.31	136600.00
6/25/2024	11:09	0.00	0.20	5.88	69.47	1.05	29.31	137100.00
6/25/2024	11:10	0.06	0.30	7.54	69.55	1.18	29.31	137700.00
6/25/2024	11:11	0.29	0.70	15.07	69.58	0.82	29.31	138100.00
6/25/2024	11:12	0.29	0.71	15.17	69.27	0.23	29.30	138200.00
6/25/2024	11:13	0.28	0.63	11.87	69.00	0.05	29.30	138300.00
6/25/2024	11:14	0.25	0.26	0.07	68.79	0.06	29.30	138400.00
6/25/2024	11:15	0.24	0.25	0.02	68.50	0.20	29.30	138600.00
6/25/2024	11:16	0.04	0.06	0.07	68.38	0.36	29.29	139000.00
6/25/2024	11:17	0.02	0.03	0.08	68.65	0.67	29.29	139400.00
6/25/2024	11:18	0.02	0.03	0.07	68.12	0.20	29.29	139400.00
6/25/2024	11:19	0.00	0.01	0.03	67.48	0.15	29.28	139400.00
6/25/2024	11:20	0.02	0.03	0.14	68.06	0.11	29.28	139600.00
6/25/2024	11:21	0.01	0.03	0.09	68.03	0.21	29.27	139900.00
6/25/2024	11:22	0.02	0.03	0.12	68.14	0.42	29.27	140200.00
6/25/2024	11:23	0.02	0.04	0.11	68.39	0.64	29.26	140600.00
6/25/2024	11:24	0.02	0.04	0.09	68.49	0.48	29.26	141100.00
6/25/2024	11:25	0.02	0.04	0.09	68.64	1.20	29.25	141800.00
6/25/2024	11:26	0.03	0.04	0.09	69.22	1.98	29.24	142500.00
6/25/2024	11:27	0.03	0.04	0.07	69.35	1.27	29.22	143000.00
6/25/2024	11:28	0.03	0.04	0.06	69.09	0.89	29.20	143500.00
6/25/2024	11:29	0.03	0.04	0.04	68.76	0.57	29.19	143900.00
6/25/2024	11:30	0.03	0.04	0.04	68.50	0.31	29.18	144100.00
6/25/2024	11:31	0.03	0.04	0.04	68.31	0.34	29.17	144400.00
6/25/2024	11:32	0.03	0.04	0.05	68.33	0.41	29.16	144800.00
6/25/2024	11:33	0.03	0.04	0.06	68.40	0.42	29.17	145100.00
6/25/2024	11:34	0.03	0.05	0.07	68.35	0.29	29.18	145400.00
6/25/2024	11:35	0.03	0.05	0.10	68.25	0.30	29.19	145600.00
6/25/2024	11:36	0.03	0.05	0.13	68.14	0.13	29.19	145800.00
6/25/2024	11:37	0.03	0.05	0.16	68.01	0.28	29.20	146100.00
6/25/2024	11:38	0.03	0.05	0.19	68.11	0.48	29.20	146600.00
6/25/2024	11:39	0.03	0.06	0.21	68.60	1.14	29.20	147200.00
6/25/2024	11:40	0.04	0.06	0.21	69.14	1.23	29.21	147800.00
6/25/2024	11:41	0.04	0.06	0.14	69.25	0.98	29.21	148400.00
6/25/2024	11:42	0.02	0.04	0.07	69.24	3.32	29.22	149400.00
6/25/2024	11:43	0.01	0.02	0.03	69.41	2.48	29.22	150100.00
6/25/2024	11:44	0.00	0.02	0.08	69.32	0.89	29.22	150500.00
6/25/2024	11:45	0.00	0.02	0.10	69.19	0.28	29.22	150800.00
6/25/2024	11:46	0.00	0.02	0.11	69.24	0.38	29.22	151100.00
6/25/2024	11:47	0.00	0.02	0.12	69.59	0.80	29.22	151700.00
6/25/2024	11:48	0.01	0.02	0.14	70.05	0.77	29.22	152000.00
6/25/2024	11:49	0.01	0.02	0.16	70.07	0.44	29.22	152400.00
6/25/2024	11:50	0.01	0.03	0.17	70.13	0.41	29.21	152800.00
6/25/2024	11:51	0.01	0.03	0.17	70.29	0.62	29.21	153200.00
6/25/2024	11:52	0.01	0.03	0.17	70.56	0.59	29.21	153500.00
6/25/2024	11:53	0.01	0.03	0.18	70.72	0.74	29.21	154100.00
6/25/2024	11:54	0.01	0.03	0.20	70.93	1.54	29.21	154800.00
6/25/2024	11:55	0.01	0.03	0.20	71.29	1.91	29.21	155600.00
6/25/2024	11:56	0.01	0.03	0.17	71.56	2.35	29.21	156500.00
6/25/2024	11:57	0.01	0.03	0.12	71.93	2.24	29.21	157200.00
6/25/2024	11:58	0.01	0.03	0.14	72.04	2.05	29.21	158000.00
6/25/2024	11:59	0.02	0.04	0.30	72.34	1.85	29.20	158800.00
6/25/2024	12:00	0.02	0.06	0.49	72.45	1.59	29.20	159300.00
6/25/2024	12:01	0.02	0.06	0.58	72.21	0.82	29.20	159800.00
6/25/2024	12:02	0.02	0.07	0.57	72.27	1.15	29.20	160400.00
6/25/2024	12:03	0.02	0.07	0.54	72.33	0.68	29.20	160800.00
6/25/2024	12:04	0.02	0.06	0.50	71.59	0.27	29.20	160800.00
6/25/2024	12:05	0.00	0.01	0.04	70.40	0.18	29.20	160900.00
6/25/2024	12:06	0.02	0.05	0.43	71.35	0.44	29.21	161300.00
6/25/2024	12:07	0.02	0.06	0.55	71.59	0.48	29.20	161600.00
6/25/2024	12:08	0.03	0.08	0.67	71.56	0.60	29.20	162000.00
6/25/2024	12:09	0.03	0.08	0.66	71.83	0.49	29.20	162300.00

Date	Time	NMHC	THC	CH4	SAMPLE TEMPERATURE	BACK PRESSURE	BAROMETRIC PRESSURE	TURBINE COUNTS
6/25/2024	12:10	0.04	0.08	0.60	71.75	0.41	29.20	162800.00
6/25/2024	12:11	0.03	0.06	0.46	71.86	2.36	29.19	163700.00
6/25/2024	12:12	0.01	0.03	0.22	72.10	2.67	29.19	164600.00
6/25/2024	12:13	0.01	0.03	0.25	72.14	1.51	29.19	165200.00
6/25/2024	12:14	0.01	0.03	0.19	71.98	1.07	29.19	165700.00
6/25/2024	12:15	0.01	0.03	0.15	71.94	0.76	29.20	166100.00
6/25/2024	12:16	0.01	0.03	0.20	72.00	0.75	29.20	166600.00
6/25/2024	12:17	0.01	0.04	0.31	72.26	1.06	29.20	167200.00
6/25/2024	12:18	0.01	0.05	0.44	72.50	0.78	29.20	167500.00
6/25/2024	12:19	0.21	0.22	0.09	72.57	0.49	29.20	167900.00
6/25/2024	12:20	0.25	0.25	0.02	72.55	0.62	29.20	168400.00
6/25/2024	12:21	0.26	0.32	1.52	72.80	0.93	29.20	168900.00
6/25/2024	12:22	0.29	0.70	14.84	72.93	1.10	29.20	169500.00
6/25/2024	12:23	0.29	0.71	15.19	73.01	0.86	29.19	169900.00
6/25/2024	12:24	0.27	0.66	14.10	72.93	0.51	29.19	170300.00
6/25/2024	12:25	0.02	0.05	0.50	73.09	0.74	29.19	170900.00
6/25/2024	12:26	0.00	0.01	0.02	73.61	1.71	29.19	171500.00
6/25/2024	12:27	0.01	0.05	1.05	73.99	1.35	29.19	172100.00
6/25/2024	12:28	0.00	0.20	5.85	74.01	0.88	29.19	172600.00
6/25/2024	12:29	0.00	0.20	5.85	73.98	0.71	29.20	173000.00
6/25/2024	12:30	0.02	0.08	1.00	74.03	0.82	29.21	173500.00
6/25/2024	12:31	0.03	0.06	0.30	74.47	0.59	29.21	173900.00
6/25/2024	12:32	0.03	0.06	0.32	74.87	0.61	29.22	174200.00
6/25/2024	12:33	0.02	0.05	0.30	73.87	0.15	29.22	174300.00
6/25/2024	12:34	0.02	0.03	0.24	73.97	0.95	29.22	174900.00
6/25/2024	12:35	0.03	0.07	0.51	75.53	2.98	29.22	175900.00
6/25/2024	12:36	0.01	0.03	0.16	76.23	2.16	29.22	176600.00
6/25/2024	12:37	0.01	0.04	0.31	76.37	1.26	29.22	177100.00
6/25/2024	12:38	0.01	0.04	0.44	76.42	0.99	29.23	177700.00
6/25/2024	12:39	0.01	0.05	0.53	76.61	1.21	29.23	178300.00
6/25/2024	12:40	0.01	0.06	0.63	76.97	1.12	29.23	178800.00
6/25/2024	12:41	0.01	0.06	0.69	77.26	0.81	29.23	179300.00
6/25/2024	12:42	0.01	0.07	0.74	77.59	0.60	29.24	179600.00
6/25/2024	12:43	0.01	0.07	0.76	77.72	0.20	29.24	179800.00
6/25/2024	12:44	0.01	0.07	0.75	77.86	0.31	29.24	180100.00
6/25/2024	12:45	0.02	0.07	0.73	78.01	0.43	29.24	180500.00
6/25/2024	12:46	0.02	0.07	0.68	78.18	0.82	29.24	181000.00
6/25/2024	12:47	0.02	0.07	0.61	78.56	1.16	29.25	181700.00
6/25/2024	12:48	0.02	0.06	0.48	78.72	1.46	29.24	182300.00
6/25/2024	12:49	0.02	0.05	0.33	78.61	1.34	29.24	183000.00
6/25/2024	12:50	0.02	0.05	0.23	78.67	1.56	29.24	183700.00
6/25/2024	12:51	0.03	0.05	0.17	78.80	1.59	29.24	184300.00
6/25/2024	12:52	0.03	0.05	0.15	79.27	1.17	29.25	184900.00
6/25/2024	12:53	0.03	0.05	0.20	79.64	1.06	29.25	185400.00
6/25/2024	12:54	0.03	0.05	0.25	79.88	0.97	29.25	185900.00
6/25/2024	12:55	0.03	0.06	0.29	79.85	0.60	29.25	186200.00
6/25/2024	12:56	0.03	0.06	0.31	79.65	0.42	29.25	186600.00
6/25/2024	12:57	0.03	0.06	0.32	78.54	0.16	29.25	186600.00
6/25/2024	12:58	0.00	0.01	0.04	74.97	0.13	29.25	186700.00
6/25/2024	12:59	0.02	0.04	0.25	78.64	0.45	29.25	187000.00
6/25/2024	13:00	0.02	0.05	0.30	80.22	1.12	29.25	187800.00
6/25/2024	13:01	0.01	0.03	0.14	80.83	2.47	29.24	188600.00
6/25/2024	13:02	0.01	0.04	0.37	80.90	1.97	29.24	189200.00
6/25/2024	13:03	0.01	0.08	1.03	80.91	0.86	29.24	189700.00
6/25/2024	13:04	0.01	0.09	1.24	81.05	0.60	29.25	190100.00
6/25/2024	13:05	0.01	0.09	1.31	81.32	0.70	29.26	190600.00
6/25/2024	13:06	0.01	0.09	1.35	81.54	0.69	29.27	191000.00
6/25/2024	13:07	0.01	0.09	1.37	81.62	0.42	29.27	191300.00
6/25/2024	13:08	0.01	0.09	1.38	81.75	0.42	29.27	191600.00
6/25/2024	13:09	0.01	0.09	1.32	82.06	0.38	29.27	191900.00
6/25/2024	13:10	0.01	0.09	1.18	82.09	0.37	29.27	192200.00
6/25/2024	13:11	0.01	0.08	1.02	82.42	0.31	29.27	192500.00
6/25/2024	13:12	0.01	0.07	0.90	82.78	0.62	29.27	193000.00
6/25/2024	13:13	0.02	0.06	0.66	83.10	0.56	29.27	193400.00
6/25/2024	13:14	0.02	0.06	0.51	83.05	0.83	29.27	193900.00
6/25/2024	13:15	0.02	0.06	0.44	83.10	1.19	29.27	194500.00
6/25/2024	13:16	0.03	0.06	0.44	83.18	1.40	29.27	195200.00
6/25/2024	13:17	0.03	0.07	0.40	83.24	1.37	29.27	195800.00
6/25/2024	13:18	0.03	0.06	0.28	81.22	0.43	29.27	195800.00
6/25/2024	13:19	0.01	0.02	0.05	78.89	0.36	29.26	196000.00
6/25/2024	13:20	0.03	0.06	0.26	82.10	1.86	29.26	196900.00
6/25/2024	13:21	0.01	0.03	0.08	83.19	2.33	29.26	197700.00
6/25/2024	13:22	0.01	0.03	0.14	83.42	0.83	29.27	198100.00
6/25/2024	13:23	0.01	0.03	0.20	83.74	0.57	29.27	198400.00
6/25/2024	13:24	0.01	0.03	0.23	83.91	0.35	29.27	198700.00
6/25/2024	13:25	0.01	0.03	0.25	84.34	0.26	29.27	199000.00
6/25/2024	13:26	0.01	0.03	0.26	84.41	0.44	29.26	199400.00
6/25/2024	13:27	0.01	0.04	0.27	83.71	1.03	29.26	200000.00
6/25/2024	13:28	0.01	0.04	0.25	83.64	1.01	29.26	200500.00
6/25/2024	13:29	0.01	0.03	0.21	83.64	0.85	29.27	201000.00
6/25/2024	13:30	0.01	0.03	0.18	84.08	0.83	29.27	201500.00
6/25/2024	13:31	0.01	0.03	0.19	83.97	1.23	29.27	202100.00
6/25/2024	13:32	0.01	0.03	0.20	83.78	1.19	29.27	202600.00
6/25/2024	13:33	0.00	0.01	0.02	83.91	0.37	29.27	202800.00
6/25/2024	13:34	0.00	0.01	0.02	83.87	0.06	29.27	202800.00
6/25/2024	13:35	0.01	0.14	3.69	83.88	0.04	29.27	202900.00

Date	Time	NMHC	THC	CH4	SAMPLE TEMPERATURE	BACK PRESSURE	BAROMETRIC PRESSURE	TURBINE COUNTS
6/25/2024	13:36	0.00	0.20	5.93	83.04	0.03	29.27	202900.00
6/25/2024	13:37	0.00	0.20	5.92	81.81	0.02	29.27	202900.00
6/25/2024	13:38	0.18	0.51	11.45	79.73	0.03	29.27	202900.00
6/25/2024	13:39	0.29	0.71	15.21	79.01	0.03	29.27	202900.00
6/25/2024	13:40	0.29	0.70	15.06	78.59	0.03	29.27	202900.00
6/25/2024	13:41	0.25	0.33	1.68	78.20	0.03	29.26	202900.00
6/25/2024	13:42	0.25	0.26	0.02	77.97	0.03	29.26	202900.00
6/25/2024	13:43	0.25	0.26	0.02	77.60	0.03	29.26	202900.00
6/25/2024	13:44	0.23	0.25	0.25	77.24	0.03	29.26	202900.00
6/25/2024	13:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Date	Time	Avg NMHC	Avg THC	Avg CH4	Avg Sample Temp	Avg Back Pressure	Avg Barometric Pressure	Turbine Counts
6/25/2024	6:18	0.01	0.03	0.18	74.36	0.51	29.27	1100
6/25/2024	6:23	0.01	0.03	0.21	73.67	0.25	29.28	1000
6/25/2024	6:28	0.01	0.04	0.23	74.35	0.69	29.29	1600
6/25/2024	6:33	0.01	0.03	0.13	74.14	0.23	29.31	600
6/25/2024	6:38	0.02	0.05	0.19	75.38	1.35	29.31	2800
6/25/2024	6:43	0.05	0.07	0.21	76.51	1.20	29.30	2400
6/25/2024	6:48	0.02	0.05	0.34	75.22	1.41	29.31	1400
6/25/2024	6:53	0.01	0.05	0.50	74.59	0.40	29.30	1500
6/25/2024	6:58	0.01	0.03	0.27	74.86	0.83	29.30	2000
6/25/2024	7:03	0.02	0.03	0.07	75.35	0.93	29.30	2100
6/25/2024	7:08	0.02	0.04	0.22	75.57	1.03	29.29	1800
6/25/2024	7:13	0.02	0.05	0.28	75.64	0.54	29.30	1300
6/25/2024	7:35	0.01	0.05	0.40	76.47	1.34	29.31	2500
6/25/2024	7:40	0.02	0.05	0.42	76.71	0.92	29.31	1600
6/25/2024	7:45	0.02	0.06	0.44	76.14	0.21	29.29	600
6/25/2024	7:50	0.02	0.04	0.22	75.36	0.39	29.29	1100
6/25/2024	7:55	0.03	0.07	0.43	76.55	1.10	29.28	2400
6/25/2024	8:00	0.01	0.05	0.54	76.30	0.89	29.28	1400
6/25/2024	8:05	0.01	0.07	0.81	76.00	0.83	29.29	2100
6/25/2024	8:10	0.02	0.05	0.42	76.54	0.82	29.28	1900
6/25/2024	8:15	0.03	0.04	0.10	76.24	0.51	29.27	1200
6/25/2024	8:20	0.02	0.03	0.03	75.76	0.67	29.27	1500
6/25/2024	8:25	0.03	0.06	0.30	76.77	1.34	29.27	2700
6/25/2024	8:30	0.01	0.05	0.48	76.50	1.38	29.26	1500
6/25/2024	8:52	0.02	0.05	0.30	74.88	0.27	29.26	1100
6/25/2024	8:57	0.03	0.05	0.37	74.70	0.77	29.26	2000
6/25/2024	9:02	0.01	0.04	0.32	74.56	1.67	29.25	3000
6/25/2024	9:07	0.02	0.05	0.34	74.62	1.67	29.26	2600
6/25/2024	9:12	0.03	0.05	0.29	74.41	0.59	29.27	1400
6/25/2024	9:17	0.03	0.05	0.16	74.21	0.45	29.32	1200
6/25/2024	9:22	0.02	0.03	0.09	74.98	2.32	29.36	3500
6/25/2024	9:27	0.01	0.03	0.16	73.09	0.93	29.36	1900
6/25/2024	9:32	0.01	0.03	0.11	70.56	0.30	29.36	1000
6/25/2024	9:37	0.01	0.03	0.09	70.37	1.44	29.35	2900
6/25/2024	9:42	0.02	0.03	0.05	71.26	1.54	29.36	2300
6/25/2024	9:47	0.02	0.04	0.09	69.50	0.22	29.36	800
6/25/2024	10:08	0.02	0.03	0.06	69.95	1.25	29.33	2500
6/25/2024	10:13	0.02	0.04	0.04	70.03	0.77	29.33	1600
6/25/2024	10:18	0.02	0.04	0.15	69.15	0.39	29.33	1300
6/25/2024	10:23	0.03	0.07	0.40	69.57	0.50	29.34	1300
6/25/2024	10:28	0.02	0.05	0.45	69.43	1.14	29.34	2300
6/25/2024	10:33	0.01	0.05	0.55	69.33	0.69	29.33	1700
6/25/2024	10:38	0.01	0.05	0.43	69.61	0.94	29.32	2200
6/25/2024	10:43	0.02	0.04	0.30	70.03	1.44	29.33	2300
6/25/2024	10:48	0.02	0.03	0.15	69.14	0.32	29.32	700
6/25/2024	10:53	0.03	0.04	0.12	68.81	0.45	29.31	1400
6/25/2024	10:58	0.03	0.04	0.13	69.72	1.60	29.31	2800
6/25/2024	11:03	0.01	0.02	0.07	68.98	0.59	29.32	1600
6/25/2024	11:22	0.01	0.03	0.09	67.97	0.22	29.28	800
6/25/2024	11:27	0.02	0.04	0.09	68.82	1.11	29.25	2400
6/25/2024	11:32	0.03	0.04	0.05	68.60	0.50	29.18	1300
6/25/2024	11:37	0.03	0.05	0.10	68.23	0.28	29.19	1000
6/25/2024	11:42	0.03	0.05	0.16	68.87	1.43	29.21	2800
6/25/2024	11:47	0.00	0.02	0.09	69.35	0.97	29.22	1600
6/25/2024	11:52	0.01	0.03	0.16	70.22	0.57	29.21	1500
6/25/2024	11:57	0.01	0.03	0.17	71.29	1.76	29.21	3100
6/25/2024	12:02	0.02	0.05	0.42	72.26	1.49	29.20	2400
6/25/2024	12:07	0.02	0.05	0.41	71.45	0.41	29.20	800
6/25/2024	12:12	0.03	0.07	0.52	71.82	1.31	29.20	2600
6/25/2024	12:17	0.01	0.03	0.22	72.06	1.03	29.20	2000
6/25/2024	12:37	0.02	0.04	0.30	75.19	1.50	29.22	2800
6/25/2024	12:42	0.01	0.06	0.61	76.97	0.95	29.23	1900
6/25/2024	12:47	0.02	0.07	0.71	78.07	0.58	29.24	1900
6/25/2024	12:52	0.02	0.05	0.27	78.81	1.42	29.24	2600
6/25/2024	12:57	0.03	0.06	0.27	79.51	0.64	29.25	1200
6/25/2024	13:02	0.01	0.03	0.22	79.11	1.23	29.25	2500
6/25/2024	13:07	0.01	0.09	1.26	81.29	0.65	29.26	1600
6/25/2024	13:12	0.01	0.08	1.16	82.22	0.42	29.27	1400
6/25/2024	13:17	0.02	0.06	0.49	83.13	1.07	29.27	2400
6/25/2024	13:22	0.02	0.04	0.16	81.76	1.16	29.26	2300
6/25/2024	13:27	0.01	0.03	0.24	84.02	0.53	29.27	1600
6/25/2024	13:32	0.01	0.03	0.21	83.82	1.02	29.27	2100

Detroit
Relative Accuracy Test Audit

Reference Method Concentration

Test No.: 1
Test Time: 6:13 - 6:43
Barometric Px: 29.29

Date	Time	Interval Min	CHART READING %	STACK CONC. Ce (ppm)	UNIT AVG. ppm	TURBINE READ cu ft	TURBINE PX (in H2O)	TURBINE TEMP. (def. F)	TURBINE TEMP. (deg. R)	GAS FLOW Ves (scm)	EMISSION RATE Mei (mg)
6/25/2024	6:13	0	0.00	0.0	0.0	0	0.00	0.00	0.0	0.00	0
6/25/2024	6:18	5	0.01	100.0	100.0	1100	0.51	74.36	534.4	31.36	5739
6/25/2024	6:23	5	0.01	100.0	100.0	1000	0.25	73.67	533.7	28.53	5221
6/25/2024	6:28	5	0.01	100.0	100.0	1600	0.69	74.35	534.4	45.66	8356
6/25/2024	6:33	5	0.01	100.0	100.0	600	0.23	74.14	534.1	17.12	3133
6/25/2024	6:38	5	0.02	200.0	120.0	2800	1.35	75.38	535.4	79.94	29258
6/25/2024	6:43	5	0.05	500.0	183.3	2400	1.20	76.51	536.5	68.33	62522
									Totals:	270.94	114229

avg. Propane:	183.3	ppm	0.02	%
FUEL PROCESSED (T):	109,925	GAL		
GASOLINE PROCESSED:	50,092	GAL		
Fuel Processed:	416066	liters		
Gas Processed:	189598	liters		
cumulative flow:	270.94	SCM		
TOTAL MG	114229	mg		
total mg/l VOC as gasoline	0.60	mg/l		
total mg/l VOC with diesel/gasoline	0.27	mg/l		

CEM Concentration

Test No.: 1
Test Time: 6:13 - 6:43
Barometric Px: 29.29

Date	Time	Interval Min	CHART READING %	STACK CONC. Ce (ppm)	UNIT AVG. ppm	TURBINE READ cu ft	TURBINE PX (in H2O)	TURBINE TEMP. (def. F)	TURBINE TEMP. (deg. R)	GAS FLOW Ves (scm)	EMISSION RATE Mei (mg)
6/25/2024	6:13	0	0.00	0.0	0.0	0	0.00	0.00	0.0	0.00	0
6/25/2024	6:18	5	0.02	200.0	200.0	1100	0.51	74.36	534.4	31.36	11478
6/25/2024	6:23	5	0.02	200.0	200.0	1000	0.25	73.67	533.7	28.53	10442
6/25/2024	6:28	5	0.03	300.0	233.3	1600	0.69	74.35	534.4	45.66	25067
6/25/2024	6:33	5	0.02	200.0	225.0	600	0.23	74.14	534.1	17.12	6266
6/25/2024	6:38	5	0.04	400.0	260.0	2800	1.35	75.38	535.4	79.94	58516
6/25/2024	6:43	5	0.06	600.0	316.7	2400	1.20	76.51	536.5	68.33	75026
									Totals:	270.94	186795

avg. Propane:	316.7	ppm	0.03	%
FUEL PROCESSED (T):	109,925	GAL		
GASOLINE PROCESSED:	50092	GAL		
Fuel Processed:	416066	liters		
Gas Processed:	189598	liters		
cumulative flow:	270.94	SCM		
TOTAL MG	186795	mg		
total mg/l VOC as gasoline	0.99	mg/l		
total mg/l VOC with diesel/gasoline	0.45	mg/l		

Detroit
Relative Accuracy Test Audit

Reference Method Concentration

Test No.: 2
Test Time: 6:43 - 7:13
Barometric Px: 29.30

Date	Time	Interval Min	CHART READING %	STACK CONC. Ce (ppm)	UNIT AVG. ppm	TURBINE READ cu ft	TURBINE PX (in H2O)	TURBINE TEMP. (def. F)	TURBINE TEMP. (deg. R)	GAS FLOW Ves (scm)	EMISSION RATE Mei (mg)
6/25/2024	6:43	0	0.00	0.0	0.0	0	0.00	0.00	0.0	0.00	0
6/25/2024	6:48	5	0.02	200.0	200.0	1400	1.41	75.22	535.2	39.99	14636
6/25/2024	6:53	5	0.01	100.0	150.0	1500	0.40	74.59	534.6	42.77	7827
6/25/2024	6:58	5	0.01	100.0	133.3	2000	0.83	74.86	534.9	57.06	10442
6/25/2024	7:03	5	0.02	200.0	150.0	2100	0.93	75.35	535.4	59.88	21916
6/25/2024	7:08	5	0.02	200.0	160.0	1800	1.03	75.57	535.6	51.30	18776
6/25/2024	7:13	5	0.02	200.0	166.7	1300	0.54	75.64	535.6	37.01	13546
									Totals:	288.01	87143

avg. Propane:	166.7	ppm	0.02	%
FUEL PROCESSED (T):	96,959	GAL		
GASOLINE PROCESSED:	62,594	GAL		
Fuel Processed:	366990	liters		
Gas Processed:	236918	liters		
cumulative flow:	288.01	SCM		
TOTAL MG	87143	mg		
total mg/l VOC as gasoline	0.37	mg/l		
total mg/l VOC with diesel/gasoline	0.24	mg/l		

CEM Concentration

Test No.: 2
Test Time: 6:43 - 7:13
Barometric Px: 29.30

Date	Time	Interval Min	CHART READING %	STACK CONC. Ce (ppm)	UNIT AVG. ppm	TURBINE READ cu ft	TURBINE PX (in H2O)	TURBINE TEMP. (def. F)	TURBINE TEMP. (deg. R)	GAS FLOW Ves (scm)	EMISSION RATE Mei (mg)
6/25/2024	6:43	0	0.00	0.0	0.0	0	0.00	0.00	0.0	0.00	0
6/25/2024	6:48	5	0.04	400.0	400.0	1400	1.41	75.22	535.2	39.99	29273
6/25/2024	6:53	5	0.02	200.0	300.0	1500	0.40	74.59	534.6	42.77	15654
6/25/2024	6:58	5	0.02	200.0	266.7	2000	0.83	74.86	534.9	57.06	20884
6/25/2024	7:03	5	0.03	300.0	275.0	2100	0.93	75.35	535.4	59.88	32874
6/25/2024	7:08	5	0.03	300.0	280.0	1800	1.03	75.57	535.6	51.30	28164
6/25/2024	7:13	5	0.04	400.0	300.0	1300	0.54	75.64	535.6	37.01	27091
									Totals:	288.01	153940

avg. Propane:	300.0	ppm	0.03	%
FUEL PROCESSED (T):	96,959	GAL		
GASOLINE PROCESSED:	62594	GAL		
Fuel Processed:	366990	liters		
Gas Processed:	236918	liters		
cumulative flow:	288.01	SCM		
TOTAL MG	153940	mg		
total mg/l VOC as gasoline	0.65	mg/l		
total mg/l VOC with diesel/gasoline	0.42	mg/l		

Detroit
Relative Accuracy Test Audit

Reference Method Concentration

Test No.: 3
Test Time: 7:30 - 8:00
Barometric Px: 29.30

Date	Time	Interval Min	CHART READING %	STACK CONC. Ce (ppm)	UNIT AVG. ppm	TURBINE READ cu ft	TURBINE PX (in H2O)	TURBINE TEMP. (def. F)	TURBINE TEMP. (deg. R)	GAS FLOW Ves (scm)	EMISSION RATE Mei (mg)
6/25/2024	7:30	0	0.00	0.0	0.0	0	0.00	0.00	0.0	0.00	0
6/25/2024	7:35	5	0.01	100.0	100.0	2500	1.34	76.47	536.5	71.23	13035
6/25/2024	7:40	5	0.02	200.0	150.0	1600	0.92	76.71	536.7	45.52	16660
6/25/2024	7:45	5	0.02	200.0	166.7	600	0.21	76.14	536.1	17.05	6240
6/25/2024	7:50	5	0.02	200.0	175.0	1100	0.39	75.36	535.4	31.31	11459
6/25/2024	7:55	5	0.03	300.0	200.0	2400	1.10	76.55	536.6	68.26	37475
6/25/2024	8:00	5	0.01	100.0	183.3	1400	0.89	76.30	536.3	39.82	7287
									Totals:	273.19	92156

avg. Propane:	183.3	ppm	0.02	%
FUEL PROCESSED (T):	96,381	GAL		
GASOLINE PROCESSED:	44,024	GAL		
Fuel Processed:	364802	liters		
Gas Processed:	166631	liters		
cumulative flow:	273.19	SCM		
TOTAL MG	92156	mg		
total mg/l VOC as gasoline	0.55	mg/l		
total mg/l VOC with diesel/gasoline	0.25	mg/l		

CEM Concentration

Test No.: 3
Test Time: 7:30 - 8:00
Barometric Px: 29.30

Date	Time	Interval Min	CHART READING %	STACK CONC. Ce (ppm)	UNIT AVG. ppm	TURBINE READ cu ft	TURBINE PX (in H2O)	TURBINE TEMP. (def. F)	TURBINE TEMP. (deg. R)	GAS FLOW Ves (scm)	EMISSION RATE Mei (mg)
6/25/2024	7:30	0	0.00	0.0	0.0	0	0.00	0.00	0.0	0.00	0
6/25/2024	7:35	5	0.03	300.0	300.0	2500	1.34	76.47	536.5	71.23	39105
6/25/2024	7:40	5	0.04	400.0	350.0	1600	0.92	76.71	536.7	45.52	33321
6/25/2024	7:45	5	0.04	400.0	366.7	600	0.21	76.14	536.1	17.05	12481
6/25/2024	7:50	5	0.03	300.0	350.0	1100	0.39	75.36	535.4	31.31	17189
6/25/2024	7:55	5	0.05	500.0	380.0	2400	1.10	76.55	536.6	68.26	62458
6/25/2024	8:00	5	0.02	200.0	350.0	1400	0.89	76.30	536.3	39.82	14574
									Totals:	273.19	179128

avg. Propane:	350.0	ppm	0.04	%
FUEL PROCESSED (T):	96,381	GAL		
GASOLINE PROCESSED:	44024	GAL		
Fuel Processed:	364802	liters		
Gas Processed:	166631	liters		
cumulative flow:	273.19	SCM		
TOTAL MG	179128	mg		
total mg/l VOC as gasoline	1.07	mg/l		
total mg/l VOC with diesel/gasoline	0.49	mg/l		

Detroit
Relative Accuracy Test Audit

Reference Method Concentration

Test No.: 4
Test Time: 8:00 - 8:30
Barometric Px: 29.27

Date	Time	Interval Min	CHART READING %	STACK CONC. Ce (ppm)	UNIT AVG. ppm	TURBINE READ cu ft	TURBINE PX (in H2O)	TURBINE TEMP. (def. F)	TURBINE TEMP. (deg. R)	GAS FLOW Ves (scm)	EMISSION RATE Mei (mg)
6/25/2024	8:00	0	0.00	0.0	0.0	0	0.00	0.00	0.0	0.00	0
6/25/2024	8:05	5	0.01	100.0	100.0	2100	0.83	76.00	536.0	59.77	10938
6/25/2024	8:10	5	0.02	200.0	150.0	1900	0.82	76.54	536.5	54.00	19764
6/25/2024	8:15	5	0.03	300.0	200.0	1200	0.51	76.24	536.2	34.09	18715
6/25/2024	8:20	5	0.02	200.0	200.0	1500	0.67	75.76	535.8	42.66	15614
6/25/2024	8:25	5	0.03	300.0	220.0	2700	1.34	76.77	536.8	76.78	42152
6/25/2024	8:30	5	0.01	100.0	200.0	1500	1.38	76.50	536.5	42.67	7809
									Totals:	309.97	114992

avg. Propane:	200.0	ppm	0.02	%
FUEL PROCESSED (T):	93,818	GAL		
GASOLINE PROCESSED:	42,007	GAL		
Fuel Processed:	355101	liters		
Gas Processed:	158996	liters		
cumulative flow:	309.97	SCM		
TOTAL MG	114992	mg		
total mg/l VOC as gasoline	0.72	mg/l		
total mg/l VOC with diesel/gasoline	0.32	mg/l		

CEM Concentration

Test No.: 4
Test Time: 8:00 - 8:30
Barometric Px: 29.27

Date	Time	Interval Min	CHART READING %	STACK CONC. Ce (ppm)	UNIT AVG. ppm	TURBINE READ cu ft	TURBINE PX (in H2O)	TURBINE TEMP. (def. F)	TURBINE TEMP. (deg. R)	GAS FLOW Ves (scm)	EMISSION RATE Mei (mg)
6/25/2024	8:00	0	0.00	0.0	0.0	0	0.00	0.00	0.0	0.00	0
6/25/2024	8:05	5	0.03	300.0	300.0	2100	0.83	76.00	536.0	59.77	32814
6/25/2024	8:10	5	0.03	300.0	300.0	1900	0.82	76.54	536.5	54.00	29646
6/25/2024	8:15	5	0.04	400.0	333.3	1200	0.51	76.24	536.2	34.09	24954
6/25/2024	8:20	5	0.03	300.0	325.0	1500	0.67	75.76	535.8	42.66	23420
6/25/2024	8:25	5	0.05	500.0	360.0	2700	1.34	76.77	536.8	76.78	70254
6/25/2024	8:30	5	0.03	300.0	350.0	1500	1.38	76.50	536.5	42.67	23426
									Totals:	309.97	204513

avg. Propane:	350.0	ppm	0.04	%
FUEL PROCESSED (T):	93,818	GAL		
GASOLINE PROCESSED:	42007	GAL		
Fuel Processed:	355101	liters		
Gas Processed:	158996	liters		
cumulative flow:	309.97	SCM		
TOTAL MG	204513	mg		
total mg/l VOC as gasoline	1.29	mg/l		
total mg/l VOC with diesel/gasoline	0.58	mg/l		

Detroit
Relative Accuracy Test Audit

Reference Method Concentration

Test No.: 5
Test Time: 8:47 - 9:17
Barometric Px: 29.27

Date	Time	Interval Min	CHART READING %	STACK CONC. Ce (ppm)	UNIT AVG. ppm	TURBINE READ cu ft	TURBINE PX (in H2O)	TURBINE TEMP. (def. F)	TURBINE TEMP. (deg. R)	GAS FLOW Ves (scm)	EMISSION RATE Mei (mg)
6/25/2024	8:47	0	0.00	0.0	0.0	0	0.00	0.00	0.0	0.00	0
6/25/2024	8:52	5	0.02	200.0	200.0	1100	0.27	74.88	534.9	31.30	11456
6/25/2024	8:57	5	0.03	300.0	250.0	2000	0.77	74.70	534.7	56.99	31288
6/25/2024	9:02	5	0.01	100.0	200.0	3000	1.67	74.56	534.6	85.68	15679
6/25/2024	9:07	5	0.02	200.0	200.0	2600	1.67	74.62	534.6	74.27	27183
6/25/2024	9:12	5	0.03	300.0	220.0	1400	0.59	74.41	534.4	39.91	21911
6/25/2024	9:17	5	0.03	300.0	233.3	1200	0.45	74.21	534.2	34.27	18814
									Totals:	322.42	126331

avg. Propane:	233.3	ppm	0.02	%
FUEL PROCESSED (T):	131,352	GAL		
GASOLINE PROCESSED:	119,487	GAL		
Fuel Processed:	497167	liters		
Gas Processed:	452258	liters		
cumulative flow:	322.42	SCM		
TOTAL MG	126331	mg		
total mg/l VOC as gasoline	0.28	mg/l		
total mg/l VOC with diesel/gasoline	0.25	mg/l		

CEM Concentration

Test No.: 5
Test Time: 8:47 - 9:17
Barometric Px: 29.27

Date	Time	Interval Min	CHART READING %	STACK CONC. Ce (ppm)	UNIT AVG. ppm	TURBINE READ cu ft	TURBINE PX (in H2O)	TURBINE TEMP. (def. F)	TURBINE TEMP. (deg. R)	GAS FLOW Ves (scm)	EMISSION RATE Mei (mg)
6/25/2024	8:47	0	0.00	0.0	0.0	0	0.00	0.00	0.0	0.00	0
6/25/2024	8:52	5	0.04	400.0	400.0	1100	0.27	74.88	534.9	31.30	22912
6/25/2024	8:57	5	0.04	400.0	400.0	2000	0.77	74.70	534.7	56.99	41717
6/25/2024	9:02	5	0.02	200.0	333.3	3000	1.67	74.56	534.6	85.68	31359
6/25/2024	9:07	5	0.03	300.0	325.0	2600	1.67	74.62	534.6	74.27	40774
6/25/2024	9:12	5	0.04	400.0	340.0	1400	0.59	74.41	534.4	39.91	29214
6/25/2024	9:17	5	0.05	500.0	366.7	1200	0.45	74.21	534.2	34.27	31357
									Totals:	322.42	197333

avg. Propane:	366.7	ppm	0.04	%
FUEL PROCESSED (T):	131,352	GAL		
GASOLINE PROCESSED:	119487	GAL		
Fuel Processed:	497167	liters		
Gas Processed:	452258	liters		
cumulative flow:	322.42	SCM		
TOTAL MG	197333	mg		
total mg/l VOC as gasoline	0.44	mg/l		
total mg/l VOC with diesel/gasoline	0.40	mg/l		

Detroit
Relative Accuracy Test Audit

Reference Method Concentration

Test No.: 6
Test Time: 9:17 - 9:47
Barometric Px: 29.36

Date	Time	Interval Min	CHART READING %	STACK CONC. Ce (ppm)	UNIT AVG. ppm	TURBINE READ cu ft	TURBINE PX (in H2O)	TURBINE TEMP. (def. F)	TURBINE TEMP. (deg. R)	GAS FLOW Ves (scm)	EMISSION RATE Mei (mg)
6/25/2024	9:17	0	0.00	0.0	0.0	0	0.00	0.00	0.0	0.00	0
6/25/2024	9:22	5	0.02	200.0	200.0	3500	2.32	74.98	535.0	100.42	36754
6/25/2024	9:27	5	0.01	100.0	150.0	1900	0.93	73.09	533.1	54.52	9977
6/25/2024	9:32	5	0.01	100.0	133.3	1000	0.30	70.56	530.6	28.78	5267
6/25/2024	9:37	5	0.01	100.0	125.0	2900	1.44	70.37	530.4	83.71	15319
6/25/2024	9:42	5	0.02	200.0	140.0	2300	1.54	71.26	531.3	66.32	24273
6/25/2024	9:47	5	0.02	200.0	150.0	800	0.22	69.50	529.5	23.07	8444
									Totals:	356.82	100034

avg. Propane:	150.0	ppm	0.02	%
FUEL PROCESSED (T):	107,799	GAL		
GASOLINE PROCESSED:	46,965	GAL		
Fuel Processed:	408019	liters		
Gas Processed:	177763	liters		
cumulative flow:	356.82	SCM		
TOTAL MG	100034	mg		
total mg/l VOC as gasoline	0.56	mg/l		
total mg/l VOC with diesel/gasoline	0.25	mg/l		

CEM Concentration

Test No.: 6
Test Time: 9:17 - 9:47
Barometric Px: 29.36

Date	Time	Interval Min	CHART READING %	STACK CONC. Ce (ppm)	UNIT AVG. ppm	TURBINE READ cu ft	TURBINE PX (in H2O)	TURBINE TEMP. (def. F)	TURBINE TEMP. (deg. R)	GAS FLOW Ves (scm)	EMISSION RATE Mei (mg)
6/25/2024	9:17	0	0.00	0.0	0.0	0	0.00	0.00	0.0	0.00	0
6/25/2024	9:22	5	0.03	300.0	300.0	3500	2.32	74.98	535.0	100.42	55131
6/25/2024	9:27	5	0.02	200.0	250.0	1900	0.93	73.09	533.1	54.52	19954
6/25/2024	9:32	5	0.02	200.0	233.3	1000	0.30	70.56	530.6	28.78	10533
6/25/2024	9:37	5	0.03	300.0	250.0	2900	1.44	70.37	530.4	83.71	45957
6/25/2024	9:42	5	0.03	300.0	260.0	2300	1.54	71.26	531.3	66.32	36410
6/25/2024	9:47	5	0.03	300.0	266.7	800	0.22	69.50	529.5	23.07	12665
									Totals:	356.82	180650

avg. Propane:	266.7	ppm	0.03	%
FUEL PROCESSED (T):	107,799	GAL		
GASOLINE PROCESSED:	46965	GAL		
Fuel Processed:	408019	liters		
Gas Processed:	177763	liters		
cumulative flow:	356.82	SCM		
TOTAL MG	180650	mg		
total mg/l VOC as gasoline	1.02	mg/l		
total mg/l VOC with diesel/gasoline	0.44	mg/l		

Detroit
Relative Accuracy Test Audit

Reference Method Concentration

Test No.: 7
Test Time: 10:03 - 10:33
Barometric Px: 29.33

Date	Time	Interval Min	CHART READING %	STACK CONC. Ce (ppm)	UNIT AVG. ppm	TURBINE READ cu ft	TURBINE PX (in H2O)	TURBINE TEMP. (def. F)	TURBINE TEMP. (deg. R)	GAS FLOW Ves (scm)	EMISSION RATE Mei (mg)
6/25/2024	10:03	0	0.00	0.0	0.0	0	0.00	0.00	0.0	0.00	0
6/25/2024	10:08	5	0.02	200.0	200.0	2500	1.25	69.95	530.0	72.14	26403
6/25/2024	10:13	5	0.02	200.0	200.0	1600	0.77	70.03	530.0	46.11	16876
6/25/2024	10:18	5	0.02	200.0	200.0	1300	0.39	69.15	529.2	37.49	13721
6/25/2024	10:23	5	0.03	300.0	225.0	1300	0.50	69.57	529.6	37.48	20577
6/25/2024	10:28	5	0.02	200.0	220.0	2300	1.14	69.43	529.4	66.44	24317
6/25/2024	10:33	5	0.01	100.0	200.0	1700	0.69	69.33	529.3	49.04	8974
									Totals:	308.70	110868

avg. Propane:	200.0	ppm	0.02	%
FUEL PROCESSED (T):	93,941	GAL		
GASOLINE PROCESSED:	66,458	GAL		
Fuel Processed:	355567	liters		
Gas Processed:	251544	liters		
cumulative flow:	308.70	SCM		
TOTAL MG	110868	mg		
total mg/l VOC as gasoline	0.44	mg/l		
total mg/l VOC with diesel/gasoline	0.31	mg/l		

CEM Concentration

Test No.: 7
Test Time: 10:03 - 10:33
Barometric Px: 29.33

Date	Time	Interval Min	CHART READING %	STACK CONC. Ce (ppm)	UNIT AVG. ppm	TURBINE READ cu ft	TURBINE PX (in H2O)	TURBINE TEMP. (def. F)	TURBINE TEMP. (deg. R)	GAS FLOW Ves (scm)	EMISSION RATE Mei (mg)
6/25/2024	10:03	0	0.00	0.0	0.0	0	0.00	0.00	0.0	0.00	0
6/25/2024	10:08	5	0.03	300.0	300.0	2500	1.25	69.95	530.0	72.14	39605
6/25/2024	10:13	5	0.03	300.0	300.0	1600	0.77	70.03	530.0	46.11	25314
6/25/2024	10:18	5	0.03	300.0	300.0	1300	0.39	69.15	529.2	37.49	20582
6/25/2024	10:23	5	0.05	500.0	350.0	1300	0.50	69.57	529.6	37.48	34294
6/25/2024	10:28	5	0.03	300.0	340.0	2300	1.14	69.43	529.4	66.44	36476
6/25/2024	10:33	5	0.03	300.0	333.3	1700	0.69	69.33	529.3	49.04	26923
									Totals:	308.70	183194

avg. Propane:	333.3	ppm	0.03	%
FUEL PROCESSED (T):	93,941	GAL		
GASOLINE PROCESSED:	66458	GAL		
Fuel Processed:	355567	liters		
Gas Processed:	251544	liters		
cumulative flow:	308.70	SCM		
TOTAL MG	183194	mg		
total mg/l VOC as gasoline	0.73	mg/l		
total mg/l VOC with diesel/gasoline	0.52	mg/l		

Detroit
Relative Accuracy Test Audit

Reference Method Concentration

Test No.: 8
Test Time: 10:33 - 11:03
Barometric Px: 29.32

Date	Time	Interval Min	CHART READING %	STACK CONC. Ce (ppm)	UNIT AVG. ppm	TURBINE READ cu ft	TURBINE PX (in H2O)	TURBINE TEMP. (def. F)	TURBINE TEMP. (deg. R)	GAS FLOW Ves (scm)	EMISSION RATE Mei (mg)
6/25/2024	10:33	0	0.00	0.0	0.0	0	0.00	0.00	0.0	0.00	0
6/25/2024	10:38	5	0.01	100.0	100.0	2200	0.94	69.61	529.6	63.45	11611
6/25/2024	10:43	5	0.02	200.0	150.0	2300	1.44	70.03	530.0	66.39	24299
6/25/2024	10:48	5	0.02	200.0	166.7	700	0.32	69.14	529.1	20.18	7386
6/25/2024	10:53	5	0.03	300.0	200.0	1400	0.45	68.81	528.8	40.38	22169
6/25/2024	10:58	5	0.03	300.0	220.0	2800	1.60	69.72	529.7	80.85	44387
6/25/2024	11:03	5	0.01	100.0	200.0	1600	0.59	68.98	529.0	46.16	8447
									Totals:	317.41	118299

avg. Propane:	200.0	ppm	0.02	%
FUEL PROCESSED (T):	90,259	GAL		
GASOLINE PROCESSED:	73,639	GAL		
Fuel Processed:	341630	liters		
Gas Processed:	278724	liters		
cumulative flow:	317.41	SCM		
TOTAL MG	118299	mg		
total mg/l VOC as gasoline	0.42	mg/l		
total mg/l VOC with diesel/gasoline	0.35	mg/l		

CEM Concentration

Test No.: 8
Test Time: 10:33 - 11:03
Barometric Px: 29.32

Date	Time	Interval Min	CHART READING %	STACK CONC. Ce (ppm)	UNIT AVG. ppm	TURBINE READ cu ft	TURBINE PX (in H2O)	TURBINE TEMP. (def. F)	TURBINE TEMP. (deg. R)	GAS FLOW Ves (scm)	EMISSION RATE Mei (mg)
6/25/2024	10:33	0	0.00	0.0	0.0	0	0.00	0.00	0.0	0.00	0
6/25/2024	10:38	5	0.03	300.0	300.0	2200	0.94	69.61	529.6	63.45	34834
6/25/2024	10:43	5	0.03	300.0	300.0	2300	1.44	70.03	530.0	66.39	36448
6/25/2024	10:48	5	0.04	400.0	333.3	700	0.32	69.14	529.1	20.18	14772
6/25/2024	10:53	5	0.04	400.0	350.0	1400	0.45	68.81	528.8	40.38	29558
6/25/2024	10:58	5	0.04	400.0	360.0	2800	1.60	69.72	529.7	80.85	59182
6/25/2024	11:03	5	0.02	200.0	333.3	1600	0.59	68.98	529.0	46.16	16895
									Totals:	317.41	191689

avg. Propane:	333.3	ppm	0.03	%
FUEL PROCESSED (T):	90,259	GAL		
GASOLINE PROCESSED:	73639	GAL		
Fuel Processed:	341630	liters		
Gas Processed:	278724	liters		
cumulative flow:	317.41	SCM		
TOTAL MG	191689	mg		
total mg/l VOC as gasoline	0.69	mg/l		
total mg/l VOC with diesel/gasoline	0.56	mg/l		

Detroit
Relative Accuracy Test Audit

Reference Method Concentration

Test No.: 9
Test Time: 11:17 - 11:47
Barometric Px: 29.22

Date	Time	Interval Min	CHART READING %	STACK CONC. Ce (ppm)	UNIT AVG. ppm	TURBINE READ cu ft	TURBINE PX (in H2O)	TURBINE TEMP. (def. F)	TURBINE TEMP. (deg. R)	GAS FLOW Ves (scm)	EMISSION RATE Mei (mg)
6/25/2024	11:17	0	0.00	0.0	0.0	0	0.00	0.00	0.0	0.00	0
6/25/2024	11:22	5	0.01	100.0	100.0	800	0.22	67.97	528.0	23.07	4222
6/25/2024	11:27	5	0.02	200.0	150.0	2400	1.11	68.82	528.8	69.19	25324
6/25/2024	11:32	5	0.03	300.0	200.0	1300	0.50	68.60	528.6	37.35	20505
6/25/2024	11:37	5	0.03	300.0	225.0	1000	0.28	68.23	528.2	28.74	15778
6/25/2024	11:42	5	0.03	300.0	240.0	2800	1.43	68.87	528.9	80.67	44288
6/25/2024	11:47	5	0.00	0.0	200.0	1600	0.97	69.35	529.4	46.02	0
									Totals:	285.04	110117

avg. Propane:	200.0	ppm	0.02	%
FUEL PROCESSED (T):	70,267	GAL		
GASOLINE PROCESSED:	55,764	GAL		
Fuel Processed:	265961	liters		
Gas Processed:	211067	liters		
cumulative flow:	285.04	SCM		
TOTAL MG	110117	mg		
total mg/l VOC as gasoline	0.52	mg/l		
total mg/l VOC with diesel/gasoline	0.41	mg/l		

CEM Concentration

Test No.: 9
Test Time: 11:17 - 11:47
Barometric Px: 29.22

Date	Time	Interval Min	CHART READING %	STACK CONC. Ce (ppm)	UNIT AVG. ppm	TURBINE READ cu ft	TURBINE PX (in H2O)	TURBINE TEMP. (def. F)	TURBINE TEMP. (deg. R)	GAS FLOW Ves (scm)	EMISSION RATE Mei (mg)
6/25/2024	11:17	0	0.00	0.0	0.0	0	0.00	0.00	0.0	0.00	0
6/25/2024	11:22	5	0.03	300.0	300.0	800	0.22	67.97	528.0	23.07	12665
6/25/2024	11:27	5	0.04	400.0	350.0	2400	1.11	68.82	528.8	69.19	50647
6/25/2024	11:32	5	0.04	400.0	366.7	1300	0.50	68.60	528.6	37.35	27340
6/25/2024	11:37	5	0.04	400.0	375.0	1000	0.28	68.23	528.2	28.74	21038
6/25/2024	11:42	5	0.05	500.0	400.0	2800	1.43	68.87	528.9	80.67	73813
6/25/2024	11:47	5	0.02	200.0	366.7	1600	0.97	69.35	529.4	46.02	16843
									Totals:	285.04	202347

avg. Propane:	366.7	ppm	0.04	%
FUEL PROCESSED (T):	70,267	GAL		
GASOLINE PROCESSED:	55764	GAL		
Fuel Processed:	265961	liters		
Gas Processed:	211067	liters		
cumulative flow:	285.04	SCM		
TOTAL MG	202347	mg		
total mg/l VOC as gasoline	0.96	mg/l		
total mg/l VOC with diesel/gasoline	0.76	mg/l		

Detroit
Relative Accuracy Test Audit

Reference Method Concentration

Test No.: 10
Test Time: 11:47 - 12:17
Barometric Px: 29.20

Date	Time	Interval Min	CHART READING %	STACK CONC. Ce (ppm)	UNIT AVG. ppm	TURBINE READ cu ft	TURBINE PX (in H2O)	TURBINE TEMP. (def. F)	TURBINE TEMP. (deg. R)	GAS FLOW Ves (scm)	EMISSION RATE Mei (mg)
6/25/2024	11:47	0	0.00	0.0	0.0	0	0.00	0.00	0.0	0.00	0
6/25/2024	11:52	5	0.01	100.0	100.0	1500	0.57	70.22	530.2	43.01	7871
6/25/2024	11:57	5	0.01	100.0	100.0	3100	1.76	71.29	531.3	88.98	16283
6/25/2024	12:02	5	0.02	200.0	133.3	2400	1.49	72.26	532.3	68.69	25141
6/25/2024	12:07	5	0.02	200.0	150.0	800	0.41	71.45	531.5	22.87	8370
6/25/2024	12:12	5	0.03	300.0	180.0	2600	1.31	71.82	531.8	74.44	40868
6/25/2024	12:17	5	0.01	100.0	166.7	2000	1.03	72.06	532.1	57.20	10468
									Totals:	355.19	109001

avg. Propane:	166.7	ppm	0.02	%
FUEL PROCESSED (T):	89,613	GAL		
GASOLINE PROCESSED:	58,351	GAL		
Fuel Processed:	339185	liters		
Gas Processed:	220859	liters		
cumulative flow:	355.19	SCM		
TOTAL MG	109001	mg		
total mg/l VOC as gasoline	0.49	mg/l		
total mg/l VOC with diesel/gasoline	0.32	mg/l		

CEM Concentration

Test No.: 10
Test Time: 11:47 - 12:17
Barometric Px: 29.20

Date	Time	Interval Min	CHART READING %	STACK CONC. Ce (ppm)	UNIT AVG. ppm	TURBINE READ cu ft	TURBINE PX (in H2O)	TURBINE TEMP. (def. F)	TURBINE TEMP. (deg. R)	GAS FLOW Ves (scm)	EMISSION RATE Mei (mg)
6/25/2024	11:47	0	0.00	0.0	0.0	0	0.00	0.00	0.0	0.00	0
6/25/2024	11:52	5	0.02	200.0	200.0	1500	0.57	70.22	530.2	43.01	15742
6/25/2024	11:57	5	0.02	200.0	200.0	3100	1.76	71.29	531.3	88.98	32567
6/25/2024	12:02	5	0.03	300.0	233.3	2400	1.49	72.26	532.3	68.69	37711
6/25/2024	12:07	5	0.03	300.0	250.0	800	0.41	71.45	531.5	22.87	12556
6/25/2024	12:12	5	0.04	400.0	280.0	2600	1.31	71.82	531.8	74.44	54490
6/25/2024	12:17	5	0.02	200.0	266.7	2000	1.03	72.06	532.1	57.20	20935
									Totals:	355.19	174000

avg. Propane:	266.7	ppm	0.03	%
FUEL PROCESSED (T):	89,613	GAL		
GASOLINE PROCESSED:	58351	GAL		
Fuel Processed:	339185	liters		
Gas Processed:	220859	liters		
cumulative flow:	355.19	SCM		
TOTAL MG	174000	mg		
total mg/l VOC as gasoline	0.79	mg/l		
total mg/l VOC with diesel/gasoline	0.51	mg/l		

Detroit
Relative Accuracy Test Audit

Reference Method Concentration

Test No.: 11
Test Time: 12:32 - 13:02
Barometric Px: 29.24

Date	Time	Interval Min	CHART READING %	STACK CONC. Ce (ppm)	UNIT AVG. ppm	TURBINE READ cu ft	TURBINE PX (in H2O)	TURBINE TEMP. (def. F)	TURBINE TEMP. (deg. R)	GAS FLOW Ves (scm)	EMISSION RATE Mei (mg)
6/25/2024	12:32	0	0.00	0.0	0.0	0	0.00	0.00	0.0	0.00	0
6/25/2024	12:37	5	0.02	200.0	200.0	2800	1.50	75.19	535.2	79.76	29192
6/25/2024	12:42	5	0.01	100.0	150.0	1900	0.95	76.97	537.0	53.88	9860
6/25/2024	12:47	5	0.02	200.0	166.7	1900	0.58	78.07	538.1	53.74	19669
6/25/2024	12:52	5	0.02	200.0	175.0	2600	1.42	78.81	538.8	73.60	26938
6/25/2024	12:57	5	0.03	300.0	200.0	1200	0.64	79.51	539.5	33.87	18595
6/25/2024	13:02	5	0.01	100.0	183.3	2500	1.23	79.11	539.1	70.72	12942
									Totals:	365.57	117196

avg. Propane:	183.3	ppm	0.02	%
FUEL PROCESSED (T):	103,706	GAL		
GASOLINE PROCESSED:	87,869	GAL		
Fuel Processed:	392527	liters		
Gas Processed:	332584	liters		
cumulative flow:	365.57	SCM		
TOTAL MG	117196	mg		
total mg/l VOC as gasoline	0.35	mg/l		
total mg/l VOC with diesel/gasoline	0.30	mg/l		

CEM Concentration

Test No.: 11
Test Time: 12:32 - 13:02
Barometric Px: 29.24

Date	Time	Interval Min	CHART READING %	STACK CONC. Ce (ppm)	UNIT AVG. ppm	TURBINE READ cu ft	TURBINE PX (in H2O)	TURBINE TEMP. (def. F)	TURBINE TEMP. (deg. R)	GAS FLOW Ves (scm)	EMISSION RATE Mei (mg)
6/25/2024	12:32	0	0.00	0.0	0.0	0	0.00	0.00	0.0	0.00	0
6/25/2024	12:37	5	0.04	400.0	400.0	2800	1.50	75.19	535.2	79.76	58384
6/25/2024	12:42	5	0.03	300.0	350.0	1900	0.95	76.97	537.0	53.88	29580
6/25/2024	12:47	5	0.03	300.0	333.3	1900	0.58	78.07	538.1	53.74	29503
6/25/2024	12:52	5	0.04	400.0	350.0	2600	1.42	78.81	538.8	73.60	53875
6/25/2024	12:57	5	0.05	500.0	380.0	1200	0.64	79.51	539.5	33.87	30991
6/25/2024	13:02	5	0.03	300.0	366.7	2500	1.23	79.11	539.1	70.72	38825
									Totals:	365.57	241159

avg. Propane:	366.7	ppm	0.04	%
FUEL PROCESSED (T):	103,706	GAL		
GASOLINE PROCESSED:	87869	GAL		
Fuel Processed:	392527	liters		
Gas Processed:	332584	liters		
cumulative flow:	365.57	SCM		
TOTAL MG	241159	mg		
total mg/l VOC as gasoline	0.73	mg/l		
total mg/l VOC with diesel/gasoline	0.61	mg/l		

Detroit
Relative Accuracy Test Audit

Reference Method Concentration

Test No.: 12
Test Time: 13:02 - 13:32
Barometric Px: 29.27

Date	Time	Interval Min	CHART READING %	STACK CONC. Ce (ppm)	UNIT AVG. ppm	TURBINE READ cu ft	TURBINE PX (in H2O)	TURBINE TEMP. (def. F)	TURBINE TEMP. (deg. R)	GAS FLOW Ves (scm)	EMISSION RATE Mei (mg)
6/25/2024	13:02	0	0.00	0.0	0.0	0	0.00	0.00	0.0	0.00	0
6/25/2024	13:07	5	0.01	100.0	100.0	1600	0.65	81.29	541.3	45.03	8240
6/25/2024	13:12	5	0.01	100.0	100.0	1400	0.42	82.22	542.2	39.32	7196
6/25/2024	13:17	5	0.02	200.0	133.3	2400	1.07	83.13	543.1	67.41	24672
6/25/2024	13:22	5	0.02	200.0	150.0	2300	1.16	81.76	541.8	64.75	23699
6/25/2024	13:27	5	0.01	100.0	140.0	1600	0.53	84.02	544.0	44.80	8198
6/25/2024	13:32	5	0.01	100.0	133.3	2100	1.02	83.82	543.8	58.90	10779
									Totals:	320.21	82784

avg. Propane:	**133.3**	ppm	**0.01**	%
FUEL PROCESSED (T):	80,048	GAL		
GASOLINE PROCESSED:	70,734	GAL		
Fuel Processed:	302982	liters		
Gas Processed:	267728	liters		
cumulative flow:	320.21	SCM		
TOTAL MG	82784	mg		
total mg/l VOC as gasoline	**0.31**	mg/l		
total mg/l VOC with diesel/gasoline	**0.27**	mg/l		

CEM Concentration

Test No.: 12
Test Time: 13:02 - 13:32
Barometric Px: 29.27

Date	Time	Interval Min	CHART READING %	STACK CONC. Ce (ppm)	UNIT AVG. ppm	TURBINE READ cu ft	TURBINE PX (in H2O)	TURBINE TEMP. (def. F)	TURBINE TEMP. (deg. R)	GAS FLOW Ves (scm)	EMISSION RATE Mei (mg)
6/25/2024	13:02	0	0.00	0.0	0.0	0	0.00	0.00	0.0	0.00	0
6/25/2024	13:07	5	0.03	300.0	300.0	1600	0.65	81.29	541.3	45.03	24721
6/25/2024	13:12	5	0.03	300.0	300.0	1400	0.42	82.22	542.2	39.32	21587
6/25/2024	13:17	5	0.04	400.0	333.3	2400	1.07	83.13	543.1	67.41	49344
6/25/2024	13:22	5	0.03	300.0	325.0	2300	1.16	81.76	541.8	64.75	35548
6/25/2024	13:27	5	0.02	200.0	300.0	1600	0.53	84.02	544.0	44.80	16397
6/25/2024	13:32	5	0.03	300.0	300.0	2100	1.02	83.82	543.8	58.90	32336
									Totals:	320.21	179933

avg. Propane:	**300.0**	ppm	**0.03**	%
FUEL PROCESSED (T):	80,048	GAL		
GASOLINE PROCESSED:	70734	GAL		
Fuel Processed:	302982	liters		
Gas Processed:	267728	liters		
cumulative flow:	320.21	SCM		
TOTAL MG	179933	mg		
total mg/l VOC as gasoline	**0.67**	mg/l		
total mg/l VOC with diesel/gasoline	**0.59**	mg/l		

Terminal:	**Detroit Terminal**
City/State:	Detroit, MI
Date:	June 25, 2024
Test Period:	6:13-13:45

Fuel Totals

	Time				
Run	**Start**	**Stop**	**Gas**	**Diesel**	**Total**
1	6:13	6:43	50,092	59,833	109,925
2	6:43	7:13	62,594	34,365	96,959
3	7:30	8:00	44,024	52,357	96,381
4	8:00	8:30	42,007	51,811	93,818
5	8:47	9:17	119,487	11,865	131,352
6	9:17	9:47	46,965	60,834	107,799
7	10:03	10:33	66,458	27,483	93,941
8	10:33	11:03	73,639	16,620	90,259
9	11:17	11:47	55,764	14,503	70,267
10	11:47	12:17	58,351	31,262	89,613
11	12:32	13:02	87,869	15,837	103,706
12	13:02	13:32	70,734	9,314	80,048
		Total Fuel Distributed:	777,984	386,084	1,164,068
		Unaccountable Fuel from Leaker(s):	0	0	0
		Total Accountable Fuel:	777,984	386,084	1,164,068

Detroit, MI

Shipping Report Summary by Date Range

Report Generated at : 6/25/2024 7:36:04AM
Starting Date/Time: 6/25/2024 6:13:00AM
Ending Date/Time: 6/25/2024 6:43:00AM

Product Name	Supplier	Tank Code	Gross Quantity	Net Quantity
176 ETHANOL				
		49	152	150
	2		152	150
		49	1,756	1,732
	4		1,756	1,732
		49	3,278	3,233
	7		3,278	3,233
		Thruputter Total	5,186.00	5,115.00
A4H UL 91 CONV 7.0#				
		45	674	665
	4		674	665
		45	672	663
	7		672	663
		Thruputter Total	1,346.00	1,328.00
B79 UL 84 CONV 7.0#				
		72	1,346	1,324
	2		1,346	1,324
		72	14,816	14,567
	4		14,816	14,567
		72	28,220	27,758
	7		28,220	27,758
		Thruputter Total	44,382.00	43,649.00
U02 #2 MV15				
		70	1,501	1,482
	2		1,501	1,482
		70	59,028	58,351
	7		59,028	58,351
		Thruputter Total	60,529.00	59,833.00
		Report Total	111,443	109,925

Report Modified: 6/25/2024 7:36:04AM

Detroit, MI

Shipping Report Summary by Date Range

Report Generated at : 6/25/2024 7:38:08AM
Starting Date/Time: 6/25/2024 6:43:00AM
Ending Date/Time: 6/25/2024 7:13:00AM

Product Name	Supplier	Tank Code	Gross Quantity	Net Quantity
176 ETHANOL				
		49	955	941
	2		955	941
		49	408	402
	4		408	402
		49	4,051	3,995
	7		4,051	3,995
		49	1,075	1,060
	9635600		1,075	1,060
		Thruputter Total	6,489.00	6,398.00
A4H UL 91 CONV 7.0#				
		45	446	440
	2		446	440
		45	1,258	1,242
	7		1,258	1,242
		45	897	885
	9635600		897	885
		Thruputter Total	2,601.00	2,567.00
B79 UL 84 CONV 7.0#				
		72	7,993	7,859
	2		7,993	7,859
		72	3,591	3,532
	4		3,591	3,532
		72	34,433	33,855
	7		34,433	33,855
		72	8,525	8,383
	9635600		8,525	8,383
		Thruputter Total	54,542.00	53,629.00
U02 #2 MV15				
		70	17,003	16,809
	2		17,003	16,809

Detroit, MI

Shipping Report Summary by Date Range

Report Generated at : 6/25/2024 7:38:08AM
Starting Date/Time: 6/25/2024 6:43:00AM
Ending Date/Time: 6/25/2024 7:13:00AM

Product Name	Supplier	Tank Code	Gross Quantity	Net Quantity
		70	15,758	15,578
	7		15,758	15,578
		70	2,000	1,978
	9635600		2,000	1,978
		Thruputter Total	34,761.00	34,365.00
		Report Total	98,393	96,959

Report Modifed: 6/25/2024 7:38:08AM

Detroit, MI

Shipping Report Summary by Date Range

Report Generated at : 6/25/2024 8:23:46AM
Starting Date/Time: 6/25/2024 7:30:00AM
Ending Date/Time: 6/25/2024 8:00:00AM

Product Name	Supplier	Tank Code	Gross Quantity	Net Quantity
176 ETHANOL				
		49	989	975
	4		**989**	**975**
		49	1,326	1,308
	7		**1,326**	**1,308**
		49	408	402
	9631000		**408**	**402**
		49	1,835	1,809
	9631100		**1,835**	**1,809**
		Thruputter Total	**4,558.00**	**4,494.00**
A4H UL 91 CONV 7.0#				
		45	672	663
	4		**672**	**663**
		45	899	887
	7		**899**	**887**
		Thruputter Total	**1,571.00**	**1,550.00**
B79 UL 84 CONV 7.0#				
		72	8,080	7,948
	4		**8,080**	**7,948**
		72	10,773	10,599
	7		**10,773**	**10,599**
		72	3,593	3,533
	9631000		**3,593**	**3,533**
		72	16,169	15,900
	9631100		**16,169**	**15,900**
		Thruputter Total	**38,615.00**	**37,980.00**
U02 #2 MV15				
		70	10,003	9,884
	2		**10,003**	**9,884**
		70	40,960	40,488
	7		**40,960**	**40,488**

Detroit, MI

Shipping Report Summary by Date Range

Report Generated at : 6/25/2024 8:23:46AM
Starting Date/Time: 6/25/2024 7:30:00AM
Ending Date/Time: 6/25/2024 8:00:00AM

Product Name	Supplier	Tank Code	Gross Quantity	Net Quantity
		70	1,006	995
	9631000		**1,006**	**995**
		70	1,002	990
	9631100		**1,002**	**990**
		Thruputter Total	**52,971.00**	**52,357.00**
		Report Total	**97,715**	**96,381**

Report Modifed: 6/25/2024 8:23:46AM

Detroit, MI

Shipping Report Summary by Date Range

Report Generated at : 6/25/2024 8:39:34AM
Starting Date/Time: 6/25/2024 8:00:00AM
Ending Date/Time: 6/25/2024 8:30:00AM

Product Name	Supplier	Tank Code	Gross Quantity	Net Quantity
176 ETHANOL				
		49	1,392	1,373
	2		1,392	1,373
		49	586	577
	4		586	577
		49	2,374	2,341
	7		2,374	2,341
		Thruputter Total	4,352.00	4,291.00
A4H UL 91 CONV 7.0#				
		45	899	886
	2		899	886
		45	673	664
	4		673	664
		Thruputter Total	1,572.00	1,550.00
B79 UL 84 CONV 7.0#				
		72	11,405	11,216
	2		11,405	11,216
		72	4,491	4,416
	4		4,491	4,416
		72	20,876	20,534
	7		20,876	20,534
		Thruputter Total	36,772.00	36,166.00
U02 #2 MV15				
		70	19,204	18,986
	2		19,204	18,986
		70	33,214	32,825
	7		33,214	32,825
		Thruputter Total	52,418.00	51,811.00
		Report Total	95,114	93,818

Report Modifed: 6/25/2024 8:39:34AM

Detroit, MI

Shipping Report Summary by Date Range

Report Generated at : 6/25/2024 9:49:37AM
Starting Date/Time: 6/25/2024 8:47:00AM
Ending Date/Time: 6/25/2024 9:17:00AM

Product Name	Supplier	Tank Code	Gross Quantity	Net Quantity
176 ETHANOL				
		49	9,083	8,961
	7		**9,083**	**8,961**
		49	817	806
	9631000		**817**	**806**
		49	1,571	1,550
	9631100		**1,571**	**1,550**
		49	813	801
	9635600		**813**	**801**
		Thruputter Total	**12,284.00**	**12,118.00**
A4H UL 91 CONV 7.0#				
		45	999	985
	4		**999**	**985**
		45	6,198	6,107
	7		**6,198**	**6,107**
		Thruputter Total	**7,197.00**	**7,092.00**
B79 UL 84 CONV 7.0#				
		72	73,794	72,549
	7		**73,794**	**72,549**
		72	7,185	7,063
	9631000		**7,185**	**7,063**
		72	13,829	13,595
	9631100		**13,829**	**13,595**
		72	7,190	7,070
	9635600		**7,190**	**7,070**
		Thruputter Total	**101,998.00**	**100,277.00**
U02 #2 MV15				
		70	11,006	10,877
	2		**11,006**	**10,877**
		70	1,000	988
	9635600		**1,000**	**988**

Detroit, MI

Shipping Report Summary by Date Range

Report Generated at : 6/25/2024 9:49:37AM
Starting Date/Time: 6/25/2024 8:47:00AM
Ending Date/Time: 6/25/2024 9:17:00AM

Product Name	Supplier	Tank Code	Gross Quantity	Net Quantity
		Thruputter Total	12,006.00	11,865.00
		Report Total	133,485	131,352

Detroit, MI

Shipping Report Summary by Date Range

Report Generated at : 6/25/2024 9:51:47AM
Starting Date/Time: 6/25/2024 9:17:00AM
Ending Date/Time: 6/25/2024 9:47:00AM

Product Name	Supplier	Tank Code	Gross Quantity	Net Quantity
176 ETHANOL				
		49	869	857
	2		869	857
		49	2,666	2,632
	4		2,666	2,632
		49	1,326	1,308
	7		1,326	1,308
		Thruputter Total	4,861.00	4,797.00
A4H UL 91 CONV 7.0#				
		45	904	891
	2		904	891
		45	2,694	2,657
	7		2,694	2,657
		Thruputter Total	3,598.00	3,548.00
B79 UL 84 CONV 7.0#				
		72	6,743	6,633
	2		6,743	6,633
		72	23,538	23,158
	4		23,538	23,158
		72	8,979	8,829
	7		8,979	8,829
		Thruputter Total	39,260.00	38,620.00
U02 #2 MV15				
		70	5,012	4,962
	4		5,012	4,962
		70	56,536	55,872
	7		56,536	55,872
		Thruputter Total	61,548.00	60,834.00
		Report Total	109,267	107,799

Report Modifed: 6/25/2024 9:51:47AM

Detroit, MI

Shipping Report Summary by Date Range

Report Generated at : 6/25/2024 11:01:12AM
Starting Date/Time: 6/25/2024 10:03:00AM
Ending Date/Time: 6/25/2024 10:33:00AM

Product Name	Supplier	Tank Code	Gross Quantity	Net Quantity
176 ETHANOL				
		49	2,723	2,692
	4		2,723	2,692
		49	3,552	3,509
	7		3,552	3,509
		49	614	608
	9631000		614	608
		Thruputter Total	6,889.00	6,809.00
A4H UL 91 CONV 7.0#				
		45	1,248	1,236
	4		1,248	1,236
		Thruputter Total	1,248.00	1,236.00
B79 UL 84 CONV 7.0#				
		72	22,706	22,332
	4		22,706	22,332
		72	31,294	30,779
	7		31,294	30,779
		72	5,388	5,302
	9631000		5,388	5,302
		Thruputter Total	59,388.00	58,413.00
U02 #2 MV15				
		70	2,391	2,365
	2		2,391	2,365
		70	25,402	25,118
	7		25,402	25,118
		Thruputter Total	27,793.00	27,483.00
		Report Total	95,318	93,941

Report Modifed: 6/25/2024 11:01:12AM

Detroit, MI

Shipping Report Summary by Date Range

Report Generated at : 6/25/2024 11:02:24AM
Starting Date/Time: 6/25/2024 10:33:00AM
Ending Date/Time: 6/25/2024 11:03:00AM

Product Name	Supplier	Tank Code	Gross Quantity	Net Quantity
176 ETHANOL				
		49	867	856
	2		867	856
		49	3,468	3,426
	4		3,468	3,426
		49	2,180	2,153
	7		2,180	2,153
		49	1,027	1,012
	9635600		1,027	1,012
		Thruputter Total	7,542.00	7,447.00
A4H UL 91 CONV 7.0#				
		45	2,645	2,613
	2		2,645	2,613
		45	2,336	2,309
	4		2,336	2,309
		45	1,885	1,863
	9635600		1,885	1,863
		Thruputter Total	6,866.00	6,785.00
B79 UL 84 CONV 7.0#				
		72	5,839	5,740
	2		5,839	5,740
		72	28,192	27,721
	4		28,192	27,721
		72	19,206	18,885
	7		19,206	18,885
		72	7,182	7,061
	9635600		7,182	7,061
		Thruputter Total	60,419.00	59,407.00
U02 #2 MV15				
		70	5,403	5,346
	2		5,403	5,346

Detroit, MI

Shipping Report Summary by Date Range

Report Generated at : 6/25/2024 11:02:24AM
Starting Date/Time: 6/25/2024 10:33:00AM
Ending Date/Time: 6/25/2024 11:03:00AM

Product Name	Supplier	Tank Code	Gross Quantity	Net Quantity
		70	11,401	11,274
	7		11,401	11,274
		Thruputter Total	16,804.00	16,620.00
		Report Total	91,631	90,259

Report Modifed: 6/25/2024 11:02:24AM

Detroit, MI

Shipping Report Summary by Date Range

Report Generated at : 6/25/2024 12:21:17PM
Starting Date/Time: 6/25/2024 11:17:00AM
Ending Date/Time: 6/25/2024 11:47:00AM

Product Name	Supplier	Tank Code	Gross Quantity	Net Quantity
176 ETHANOL				
		49	2,183	2,157
	2		2,183	2,157
		49	2,017	1,994
	7		2,017	1,994
		49	968	956
	9631000		968	956
		Thruputter Total	5,168.00	5,107.00
A4H UL 91 CONV 7.0#				
		45	7,796	7,695
	2		7,796	7,695
		Thruputter Total	7,796.00	7,695.00
B79 UL 84 CONV 7.0#				
		72	17,464	17,179
	2		17,464	17,179
		72	17,680	17,390
	7		17,680	17,390
		72	8,529	8,393
	9631000		8,529	8,393
		Thruputter Total	43,673.00	42,962.00
U02 #2 MV15				
		70	14,664	14,503
	7		14,664	14,503
		Thruputter Total	14,664.00	14,503.00
		Report Total	71,301	70,267

Report Modifed: 6/25/2024 12:21:17PM

Detroit, MI

Shipping Report Summary by Date Range

Report Generated at : 6/25/2024 12:22:24PM
Starting Date/Time: 6/25/2024 11:47:00AM
Ending Date/Time: 6/25/2024 12:17:00PM

Product Name	Supplier	Tank Code	Gross Quantity	Net Quantity
176 ETHANOL				
		49	2,383	2,355
	4		**2,383**	**2,355**
		49	1,368	1,349
	7		**1,368**	**1,349**
		49	1,118	1,104
	9631100		**1,118**	**1,104**
		49	1,216	1,202
	9635600		**1,216**	**1,202**
		Thruputter Total	**6,085.00**	**6,010.00**
A4H UL 91 CONV 7.0#				
		45	2,001	1,971
	2		**2,001**	**1,971**
		45	1,258	1,241
	4		**1,258**	**1,241**
		45	1,795	1,769
	9631100		**1,795**	**1,769**
		45	2,696	2,658
	9635600		**2,696**	**2,658**
		Thruputter Total	**7,750.00**	**7,639.00**
B79 UL 84 CONV 7.0#				
		72	17,254	16,973
	4		**17,254**	**16,973**
		72	12,033	11,828
	7		**12,033**	**11,828**
		72	8,093	7,957
	9631100		**8,093**	**7,957**
		72	8,080	7,944
	9635600		**8,080**	**7,944**
		Thruputter Total	**45,460.00**	**44,702.00**
U02 #2 MV15				

Report Modifed: 6/25/2024 12:22:24PM

Detroit, MI

Shipping Report Summary by Date Range

Report Generated at : 6/25/2024 12:22:24PM
Starting Date/Time: 6/25/2024 11:47:00AM
Ending Date/Time: 6/25/2024 12:17:00PM

Product Name	Supplier	Tank Code	Gross Quantity	Net Quantity
		70	7,803	7,711
	2		**7,803**	**7,711**
		70	2,001	1,979
	4		**2,001**	**1,979**
		70	20,814	20,579
	7		**20,814**	**20,579**
		70	1,004	993
	9631100		**1,004**	**993**
		Thruputter Total	**31,622.00**	**31,262.00**
		Report Total	**90,917**	**89,613**

Detroit, MI

Shipping Report Summary by Date Range

Report Generated at : 6/25/2024 1:07:54PM
Starting Date/Time: 6/25/2024 12:32:00PM
Ending Date/Time: 6/25/2024 1:02:00PM

Product Name	Supplier	Tank Code	Gross Quantity	Net Quantity
176 ETHANOL				
		49	3,692	3,649
	2		3,692	3,649
		49	1,883	1,859
	4		1,883	1,859
		49	1,992	1,965
	7		1,992	1,965
		49	613	605
	9631100		613	605
		49	923	912
	9635600		923	912
		Thruputter Total	9,103.00	8,990.00
A4H UL 91 CONV 7.0#				
		45	1,572	1,551
	2		1,572	1,551
		45	899	886
	4		899	886
		Thruputter Total	2,471.00	2,437.00
B79 UL 84 CONV 7.0#				
		72	30,996	30,466
	2		30,996	30,466
		72	15,711	15,440
	4		15,711	15,440
		72	17,597	17,289
	7		17,597	17,289
		72	5,386	5,291
	9631100		5,386	5,291
		72	8,095	7,956
	9635600		8,095	7,956
		Thruputter Total	77,785.00	76,442.00
U02 #2 MV15				

Detroit, MI

Shipping Report Summary by Date Range

Report Generated at : 6/25/2024 1:07:54PM
Starting Date/Time: 6/25/2024 12:32:00PM
Ending Date/Time: 6/25/2024 1:02:00PM

Product Name	Supplier	Tank Code	Gross Quantity	Net Quantity
		70	1,000	989
	2		**1,000**	**989**
		70	13,015	12,870
	7		**13,015**	**12,870**
		70	2,002	1,978
	9631100		**2,002**	**1,978**
		Thruputter Total	**16,017.00**	**15,837.00**
		Report Total	**105,376**	**103,706**

Detroit, MI

Shipping Report Summary by Date Range

Report Generated at : 6/25/2024 1:46:50PM
Starting Date/Time: 6/25/2024 1:02:00PM
Ending Date/Time: 6/25/2024 1:32:00PM

Product Name	Supplier	Tank Code	Gross Quantity	Net Quantity
176 ETHANOL				
		49	1,341	1,323
	2		**1,341**	**1,323**
		49	1,728	1,707
	4		**1,728**	**1,707**
		49	2,730	2,694
	7		**2,730**	**2,694**
		49	927	916
	9631000		**927**	**916**
		Thruputter Total	**6,726.00**	**6,640.00**
A4H UL 91 CONV 7.0#				
		45	898	886
	2		**898**	**886**
		45	899	886
	4		**899**	**886**
		45	6,001	5,906
	7		**6,001**	**5,906**
		Thruputter Total	**7,798.00**	**7,678.00**
B79 UL 84 CONV 7.0#				
		72	10,886	10,696
	2		**10,886**	**10,696**
		72	14,370	14,119
	4		**14,370**	**14,119**
		72	23,992	23,570
	7		**23,992**	**23,570**
		72	8,174	8,031
	9631000		**8,174**	**8,031**
		Thruputter Total	**57,422.00**	**56,416.00**
U02 #2 MV15				
		70	2,001	1,980
	2		**2,001**	**1,980**

Detroit, MI

Shipping Report Summary by Date Range

Report Generated at : 6/25/2024 1:46:50PM
Starting Date/Time: 6/25/2024 1:02:00PM
Ending Date/Time: 6/25/2024 1:32:00PM

Product Name	Supplier	Tank Code	Gross Quantity	Net Quantity
		70	7,406	7,334
	7		7,406	7,334
		Thruputter Total	9,407.00	9,314.00
		Report Total	81,353	80,048

Report Modified: 6/25/2024 1:46:50PM

TRUCK LOG REPORT

Test Location: Detroit, MI **Technician:** **Test Date:** 6/25/2024

Start Time: 6/25/2024 6:13:00AM **End Time:** 6/25/2024 1:32:00PM

Seq #	Lane	Time In	Time Out	Company	Trailer #	Gasoline	Diesel	Comments
1	3	06:02:06	06:14:43	Pilot Travel Centers LLC	3658		11,866	
2	5	05:59:46	06:15:26	Altom Transport Inc	3563		11,865	
3	1	06:06:10	06:15:34	Gemini Motor Transport LP	401		7,327	
4	2	06:02:55	06:17:59	Pilot Travel Centers LLC	4079		11,867	
5	6	06:07:42	06:20:44	Corrigan Enterprises Inc	171	13,188		
6	3	06:19:14	06:23:15	Bazco Petroleum Transport LLC	1332		1,482	
7	2	06:22:09	06:26:24	Gen Oil Transportation LLC	2007	1,474		
8	4	06:15:47	06:29:17	Crystal Flash Inc	22		12,065	
9	1	06:22:20	06:30:47	US Energy Transportation LLC	023	7,135		
10	5	06:23:12	06:35:36	Corrigan Enterprises Inc	553	5,352		
11	6	06:27:27	06:39:59	Brenner Oil Co	331	13,114		
12	2	06:33:21	06:42:45	Blue Water Oil Transport LLC	143	9,829	3,361	
13	3	06:32:34	06:43:22	Corrigan Enterprises Inc	164	10,813		
14	5	06:42:46	06:46:26	Corrigan Enterprises Inc	451	1,962	989	
15	4	06:35:30	06:46:46	US Energy Transportation LLC	241	10,328	1,978	
16	1	06:38:58	06:51:42	Advantage Tank Lines Inc	19114062	13,126		
17	6	06:48:30	06:53:46	Blue Water Oil Transport LLC	459	3,934		
18	3	06:49:24	06:54:34	Corrigan Enterprises Inc	438		3,462	
19	4	06:52:44	06:58:33	Corrigan Enterprises Inc	681		4,202	
20	5	06:51:42	07:07:21	IGNASH TRANSPORTING INC	2008	1,965	10,878	
21	1	06:57:47	07:07:57	Rex Carriers Inc	2194		6,925	
22	2	06:54:19	07:09:07	DHT Specialized LLC	109130	7,275	5,931	
23	6	06:58:56	07:12:39	Mid Thumb Trucking Co	118	13,191		
24	4	07:03:32	07:15:40	Corrigan Enterprises Inc	513		11,873	
25	3	07:02:41	07:17:06	Marathon Flint Oil Co	192		12,357	
26	5	07:13:34	07:19:26	Corrigan Enterprises Inc	543		2,274	
27	2	07:14:37	07:22:58	Scharfs Service & Fuel Oil Inc	12	2,950	5,931	
28	4	07:19:20	07:23:59	Bazco Petroleum Transport LLC	1609		1,384	
29	1	07:15:38	07:24:25	Nour Light Petroleum Transport	1312	8,872		
30	3	07:21:16	07:33:47	Pilot Travel Centers LLC	4080		12,057	
31	5	07:25:02	07:34:52	IGNASH TRANSPORTING INC	2004	9,586		
32	2	07:28:49	07:38:08	Bazco Petroleum Transport LLC	7074	9,842	990	
33	4	07:28:40	07:41:18	Spencer Oil Co	995		12,262	
34	6	07:31:46	07:43:01	Atlas Oil Company	3000	8,858		
35	1	07:33:01	07:43:27	Bazco Petroleum Transport LLC	1310	11,802	995	
36	2	07:44:10	07:51:01	MPC TT&R	35292		6,328	
37		07:41:12	07:53:40	Corrigan Enterprises Inc	745		941	
38	5	07:41:12	07:53:40	Corrigan Enterprises Inc	745		941	

Report Generated on : 6/25/2024 @ 1:35:57PM

Seq #	Lane	Time In	Time Out	Company	Trailer #	Gasoline	Diesel	Comments
39	6	07:49:49	07:54:55	Crystal Flash Inc	6341	3,936		
40	4	07:47:06	07:57:00	Rex Carriers Inc	2212		8,900	
41	3	07:47:40	07:58:29	US Energy Transportation LLC	406		9,884	
42	1	07:48:26	08:02:07	IGNASH TRANSPORTING INC	2013	3,934	9,298	
43	2	07:57:06	08:04:48	Nour Light Petroleum Transport	2863	5,900	1,976	
44	4	08:01:30	08:09:53	Atlas Fuel Services LLC	7224		7,712	
45	1	08:06:22	08:12:15	Atlas Oil Company	3043	5,657		
46	6	08:01:27	08:13:39	MPC TT&R	35397	11,811		
47	5	07:59:37	08:15:51	Spencer Oil Co	90	3,641	8,008	
48	2	08:09:38	08:19:24	Gemini Motor Transport LP	230307		7,519	
49	4	08:14:44	08:26:35	Altom Transport Inc	3563		11,861	
50	5	08:20:57	08:27:54	Rex Carriers Inc	245		4,349	
51	3	08:15:46	08:29:02	Advantage Tank Lines Inc	13012	11,064	1,088	
52	6	08:18:39	08:31:04	MPC TT&R	35331	13,185		
53	1	08:20:05	08:31:56	National Fuel Transport LLC	102	9,246	3,954	
54	4	08:32:41	08:38:12	Corrigan Enterprises Inc	702	810	2,421	
55	2	08:28:11	08:38:45	Bazco Petroleum Transport LLC	1246	8,618		
56	5	08:35:39	08:42:41	Atlas Fuel Services LLC	7457	736	3,362	
57	3	08:35:19	08:49:37	Brenner Oil Co	319	13,179		
58	1	08:37:21	08:49:58	Bazco Petroleum Transport LLC	1610	13,182		
59	2	08:15:18	08:54:00	Gemini Motor Transport LP	401	8,555		
60	6	08:34:29	08:55:16	MPC TT&R	35283	13,188		
61	4	08:44:22	08:55:29	Corrigan Enterprises Inc	285		9,887	
62	5	08:47:36	09:02:00	Bazco Petroleum Transport LLC	6034	7,871	988	
63	3	08:54:52	09:07:17	Brenner Oil Co	321	13,171		
64	1	08:58:56	09:08:54	Bazco Petroleum Transport LLC	1332	10,817	990	
65	6	08:59:21	09:11:41	Brenner Oil Co	330	13,180		
66	4	09:01:13	09:13:42	Brenner Oil Co	166	13,178		
67	2	09:01:41	09:14:23	Brenner Oil Co	194	13,166		
68	5	09:08:17	09:17:18	Nour Light Petroleum Transport	1312	7,871	999	
69	3	09:12:37	09:26:20	Gemini Motor Transport LP	3475		12,850	
70	6	09:16:47	09:26:30	S and G Fuel LLC	001	8,381		
71	4	09:18:50	09:28:53	Altom Transport Inc	604		11,863	
72	1	09:17:14	09:32:22	Crystal Flash Inc	8016	12,794		
73	5	09:23:09	09:37:52	Altom Transport Inc	600		11,870	
74	3	09:32:07	09:40:01	Gemini Motor Transport LP	240317		7,412	
75	2	09:30:38	09:42:45	IGNASH TRANSPORTING INC	2023	9,249	3,963	
76	4	09:33:52	09:46:21	Corrigan Enterprises Inc	513		11,877	
77	6	09:34:20	09:46:45	Fuels Transportation Inc	4602	8,670		
78	1	09:38:37	09:53:51	Atlas Oil Company	3044	7,282	5,936	
79	4	09:52:05	09:56:42	Foster Blue Water Oil LLC	99		3,699	
80	5	09:45:20	09:58:19	DHT Specialized LLC	105130	5,411	7,812	
81	2	09:49:27	09:58:20	Pilot Travel Centers LLC	4080	7,096	5,931	
82	3	09:46:17	09:59:04	Marathon Flint Oil Co	21	2,949	9,388	
83	4	10:03:18	10:07:27	Ford Logistics Inc	29		2,365	
84	6	09:54:26	10:07:48	Advantage Tank Lines Inc	19114062	13,142		

Seq #	Lane	Time In	Time Out	Company	Trailer #	Gasoline	Diesel	Comments
85	2	10:01:52	10:12:02	MPC TT&R	35332	9,834	1,780	
86	1	10:03:07	10:16:20	Bogies Express Inc	3401	12,486		
87	5	10:03:36	10:19:07	Altom Transport Inc	3563		11,869	
88	3	10:09:08	10:21:22	Corrigan Enterprises Inc	162	8,853		
89	4	10:15:20	10:25:25	Spencer Oil Co	995		9,887	
90	6	10:15:38	10:26:41	US Energy Transportation LLC	061	10,831		
91	5	10:25:12	10:29:29	Corrigan Enterprises Inc	438	983	1,582	
92	1	10:21:15	10:32:42	MPC TT&R	35132	10,329		
93	2	10:27:04	10:38:43	Trust Petroleum Inc	80	8,851		
94	4	10:30:11	10:41:39	Brenner Oil Co	338	9,244	3,956	
95	5	10:37:20	10:44:54	Scharfs Service & Fuel Oil Inc	17		4,156	
96	3	10:29:28	10:45:08	National Fuel Transport LLC	110	12,402		
97	1	10:38:23	10:48:00	Crystal Flash Inc	584	8,371	1,190	
98	6	10:35:31	10:48:06	Blue Water Oil Transport LLC	484	13,184		
99	5	10:49:00	10:53:30	Chapp & Bushey Oil	85	838		
100	4	10:43:31	10:55:47	National Fuel Transport LLC	116	8,955		
101	2	10:44:52	10:56:37	Crystal Flash Inc	6341	11,794		
102	3	10:52:02	10:59:21	Gemini Motor Transport LP	230347		7,318	
103	1	10:54:33	11:05:20	Blue Water Oil Transport LLC	143	11,806	1,389	
104	4	11:02:20	11:11:44	Gemini Motor Transport LP	3418		7,517	
105	6	10:57:52	11:12:41	MPC TT&R	35146	12,615		
106	2	11:02:38	11:12:55	National Fuel Transport LLC	112	11,208	1,983	
107	3	11:04:39	11:13:00	Gemini Motor Transport LP	401		7,323	
108	4	11:20:31	11:28:52	Pilot Travel Centers LLC	4103	8,561		
109	3	11:23:25	11:30:35	Spencer Oil Co	15	3,986	4,996	
110	6	11:25:36	11:36:30	Atlas Oil Company	3000	9,349		
111	1	11:13:59	11:39:21	Crystal Flash Inc	22	13,205		
112	4	11:36:03	11:44:51	MPC TT&R	35331	10,823	1,981	
113	3	11:37:52	11:45:22	Gemini Motor Transport LP	230307		7,526	
114	2	11:28:30	11:45:51	US Energy Transportation LLC	406	9,840		
115	5	11:13:03	11:48:11	IGNASH TRANSPORTING INC	2006	8,769	1,979	
116	1	11:44:41	11:55:51	MPC TT&R	35394	9,837		
117	3	11:52:00	12:01:00	Blue Water Oil Transport LLC	481	3,934	8,700	
118	4	11:52:46	12:03:22	Altom Transport Inc	600		11,879	
119	2	11:53:58	12:06:10	US Energy Transportation LLC	151	11,804		
120	5	11:52:37	12:08:21	Bazco Petroleum Transport LLC	1609	10,830	993	
121	1	12:01:12	12:14:02	Brenner Oil Co	166	13,177		
122	3	12:05:54	12:14:07	Atlas Fuel Services LLC	7224		7,711	
123	5	12:13:21	12:18:49	Corrigan Enterprises Inc	702		3,291	
124	4	12:09:28	12:19:39	Altom Transport Inc	604		11,868	
125	6	11:44:34	12:20:14	Petroleum Transport	829	13,185		
126	2	12:10:49	12:22:54	Atlas Oil Company	3023	11,214		
127	1	12:18:24	12:26:52	Bazco Petroleum Transport LLC	1610	9,591		
128	3	12:18:46	12:31:18	Rex Carriers Inc	2212		12,356	
129	6	12:26:00	12:33:35	Royal Gas & Oil Co	2014	5,903		
130	4	12:24:36	12:37:00	Corrigan Enterprises Inc	513		11,877	

Seq #	Lane	Time In	Time Out	Company	Trailer #	Gasoline	Diesel	Comments
131	1	12:31:53	12:39:31	S and G Fuel LLC	001	8,377		
132	2	12:29:35	12:40:58	Corrigan Enterprises Inc	872	10,811	993	
133	3	12:35:12	12:43:22	Corrigan Enterprises Inc	172	7,374		
134	4	12:42:03	12:50:08	Nour Light Petroleum Transport	1312	8,868		
135	5	12:36:58	12:52:11	Petroleum Transport	828	10,809	989	
136	1	12:45:14	12:52:28	Pilot Travel Centers LLC	4665	6,095		
137	6	12:44:31	12:55:23	Advantage Tank Lines Inc	13012	10,577		
138	3	12:49:00	12:56:19	Bazco Petroleum Transport LLC	1284	5,896	1,978	
139	2	12:48:43	13:01:35	Brenner Oil Co	194	13,159		
140		13:04:33	13:04:51	Sloan Petroleum Transport LLC	70	0		
141	1	12:57:33	13:07:01	Atlas Oil Company	18	8,947		
142	4	12:55:07	13:07:10	Brenner Oil Co	159	13,167		
143	3	13:03:04	13:08:42	Ford Logistics Inc	98	4,543		
144		13:09:53	13:10:31	Sloan Petroleum Transport LLC	70	0		
145	2	13:06:23	13:14:05	Corrigan Enterprises Inc	285	7,859		
146	5	13:00:41	13:15:46	Corrigan Enterprises Inc	344	5,906		
147	1	13:10:47	13:19:33	National Fuel Transport LLC	116	8,853		
148	4	13:12:56	13:20:02	Gen Oil Transportation LLC	2002	1,473	1,980	
149	6	13:12:28	13:20:13	Sloan Petroleum Transport LLC	70	6,889		
150	3	13:13:46	13:26:05	Brenner Oil Co	331	13,097		
151	2	13:19:13	13:29:38	Gemini Motor Transport LP	401		7,334	
Totals						**914,758**	**509,074**	

Appendix C

CEM Monitor Data

Marathon Petroleum Company LP

Detroit Terminal	
6/25/2024	
Start	Stop
6:13 AM	1:32 PM

		CH001 NMHC		Average NMHC
Date	Time	MIN	MAX	
6/25/2024	6:13	0.02	0.02	0.02
6/25/2024	6:14	0.02	0.02	0.02
6/25/2024	6:15	0.02	0.02	0.02
6/25/2024	6:16	0.02	0.02	0.02
6/25/2024	6:17	0.02	0.02	0.02
6/25/2024	6:18	0.02	0.02	0.02
6/25/2024	6:19	0.02	0.02	0.02
6/25/2024	6:20	0.02	0.02	0.02
6/25/2024	6:21	0.02	0.02	0.02
6/25/2024	6:22	0.02	0.03	0.02
6/25/2024	6:23	0.02	0.03	0.02
6/25/2024	6:24	0.02	0.03	0.02
6/25/2024	6:25	0.03	0.03	0.03
6/25/2024	6:26	0.03	0.03	0.03
6/25/2024	6:27	0.03	0.03	0.03
6/25/2024	6:28	0.03	0.03	0.03
6/25/2024	6:29	0.03	0.03	0.03
6/25/2024	6:30	0.01	0.03	0.02
6/25/2024	6:31	0.00	0.02	0.01
6/25/2024	6:32	0.02	0.03	0.03
6/25/2024	6:33	0.02	0.03	0.03
6/25/2024	6:34	0.03	0.04	0.03
6/25/2024	6:35	0.04	0.04	0.04
6/25/2024	6:36	0.04	0.04	0.04
6/25/2024	6:37	0.04	0.04	0.04
6/25/2024	6:38	0.04	0.04	0.04
6/25/2024	6:39	0.04	0.05	0.04
6/25/2024	6:40	0.05	0.05	0.05
6/25/2024	6:41	0.05	0.05	0.05
6/25/2024	6:42	0.05	0.08	0.07
6/25/2024	6:43	0.08	0.12	0.10
6/25/2024	6:44	0.02	0.13	0.08
6/25/2024	6:45	0.02	0.02	0.02
6/25/2024	6:46	0.02	0.02	0.02
6/25/2024	6:47	0.02	0.02	0.02

Marathon Petroleum Company LP

Detroit Terminal	
6/25/2024	
Start	Stop
6:13 AM	1:32 PM

Date	Time	CH001 NMHC MIN	CH001 NMHC MAX	Average NMHC
6/25/2024	6:48	0.02	0.02	0.02
6/25/2024	6:49	0.02	0.02	0.02
6/25/2024	6:50	0.02	0.02	0.02
6/25/2024	6:51	0.02	0.02	0.02
6/25/2024	6:52	0.02	0.02	0.02
6/25/2024	6:53	0.02	0.02	0.02
6/25/2024	6:54	0.02	0.02	0.02
6/25/2024	6:55	0.02	0.02	0.02
6/25/2024	6:56	0.02	0.02	0.02
6/25/2024	6:57	0.02	0.02	0.02
6/25/2024	6:58	0.02	0.02	0.02
6/25/2024	6:59	0.02	0.03	0.02
6/25/2024	7:00	0.03	0.03	0.03
6/25/2024	7:01	0.03	0.03	0.03
6/25/2024	7:02	0.03	0.03	0.03
6/25/2024	7:03	0.03	0.03	0.03
6/25/2024	7:04	0.03	0.04	0.03
6/25/2024	7:05	0.04	0.04	0.04
6/25/2024	7:06	0.03	0.04	0.03
6/25/2024	7:07	0.00	0.04	0.02
6/25/2024	7:08	0.03	0.04	0.03
6/25/2024	7:09	0.03	0.03	0.03
6/25/2024	7:10	0.03	0.04	0.03
6/25/2024	7:11	0.04	0.04	0.04
6/25/2024	7:12	0.04	0.04	0.04
6/25/2024	7:13	0.04	0.04	0.04
6/25/2024	7:14	0.04	0.04	0.04
6/25/2024	7:15	0.04	0.04	0.04
6/25/2024	7:16	0.04	0.04	0.04
6/25/2024	7:17	0.04	0.04	0.04
6/25/2024	7:18	0.04	0.05	0.04
6/25/2024	7:19	0.04	0.05	0.04
6/25/2024	7:20	0.05	0.05	0.05
6/25/2024	7:21	0.05	0.05	0.05
6/25/2024	7:22	0.05	0.05	0.05

Marathon Petroleum Company LP

Detroit Terminal	
6/25/2024	
Start	Stop
6:13 AM	1:32 PM

		CH001 NMHC		Average NMHC
Date	Time	MIN	MAX	
6/25/2024	7:23	0.05	0.05	0.05
6/25/2024	7:24	0.05	0.06	0.05
6/25/2024	7:25	0.06	0.06	0.06
6/25/2024	7:26	0.02	0.06	0.04
6/25/2024	7:27	0.02	0.02	0.02
6/25/2024	7:28	0.02	0.02	0.02
6/25/2024	7:29	0.02	0.02	0.02
6/25/2024	7:30	0.02	0.02	0.02
6/25/2024	7:31	0.02	0.02	0.02
6/25/2024	7:32	0.02	0.03	0.02
6/25/2024	7:33	0.03	0.03	0.03
6/25/2024	7:34	0.03	0.03	0.03
6/25/2024	7:35	0.03	0.03	0.03
6/25/2024	7:36	0.03	0.03	0.03
6/25/2024	7:37	0.03	0.03	0.03
6/25/2024	7:38	0.03	0.04	0.03
6/25/2024	7:39	0.04	0.04	0.04
6/25/2024	7:40	0.04	0.04	0.04
6/25/2024	7:41	0.04	0.04	0.04
6/25/2024	7:42	0.04	0.04	0.04
6/25/2024	7:43	0.04	0.04	0.04
6/25/2024	7:44	0.04	0.04	0.04
6/25/2024	7:45	0.04	0.04	0.04
6/25/2024	7:46	0.04	0.04	0.04
6/25/2024	7:47	0.04	0.04	0.04
6/25/2024	7:48	0.01	0.04	0.03
6/25/2024	7:49	0.00	0.04	0.02
6/25/2024	7:50	0.03	0.04	0.04
6/25/2024	7:51	0.03	0.05	0.04
6/25/2024	7:52	0.05	0.05	0.05
6/25/2024	7:53	0.05	0.06	0.05
6/25/2024	7:54	0.06	0.06	0.06
6/25/2024	7:55	0.04	0.06	0.05
6/25/2024	7:56	0.02	0.04	0.03
6/25/2024	7:57	0.02	0.02	0.02

Marathon Petroleum Company LP

Detroit Terminal	
6/25/2024	
Start	Stop
6:13 AM	1:32 PM

		CH001 NMHC		Average NMHC
Date	Time	MIN	MAX	
6/25/2024	7:58	0.02	0.03	0.02
6/25/2024	7:59	0.02	0.03	0.02
6/25/2024	8:00	0.02	0.03	0.02
6/25/2024	8:01	0.02	0.03	0.02
6/25/2024	8:02	0.03	0.03	0.03
6/25/2024	8:03	0.03	0.03	0.03
6/25/2024	8:04	0.03	0.03	0.03
6/25/2024	8:05	0.03	0.03	0.03
6/25/2024	8:06	0.03	0.03	0.03
6/25/2024	8:07	0.03	0.03	0.03
6/25/2024	8:08	0.03	0.04	0.03
6/25/2024	8:09	0.04	0.04	0.04
6/25/2024	8:10	0.04	0.04	0.04
6/25/2024	8:11	0.04	0.04	0.04
6/25/2024	8:12	0.04	0.04	0.04
6/25/2024	8:13	0.04	0.04	0.04
6/25/2024	8:14	0.04	0.04	0.04
6/25/2024	8:15	0.04	0.04	0.04
6/25/2024	8:16	0.04	0.04	0.04
6/25/2024	8:17	0.04	0.04	0.04
6/25/2024	8:18	0.00	0.04	0.02
6/25/2024	8:19	0.00	0.04	0.02
6/25/2024	8:20	0.03	0.04	0.04
6/25/2024	8:21	0.03	0.04	0.04
6/25/2024	8:22	0.04	0.05	0.04
6/25/2024	8:23	0.05	0.05	0.05
6/25/2024	8:24	0.05	0.05	0.05
6/25/2024	8:25	0.05	0.05	0.05
6/25/2024	8:26	0.02	0.05	0.04
6/25/2024	8:27	0.02	0.02	0.02
6/25/2024	8:28	0.02	0.03	0.02
6/25/2024	8:29	0.03	0.03	0.03
6/25/2024	8:30	0.03	0.03	0.03
6/25/2024	8:31	0.03	0.03	0.03
6/25/2024	8:32	0.03	0.03	0.03

Marathon Petroleum Company LP

Detroit Terminal	
6/25/2024	
Start	Stop
6:13 AM	1:32 PM

		CH001 NMHC		Average NMHC
Date	Time	MIN	MAX	
6/25/2024	8:33	0.03	0.03	0.03
6/25/2024	8:34	0.03	0.03	0.03
6/25/2024	8:35	0.03	0.03	0.03
6/25/2024	8:36	0.03	0.03	0.03
6/25/2024	8:37	0.03	0.04	0.03
6/25/2024	8:38	0.04	0.04	0.04
6/25/2024	8:39	0.04	0.04	0.04
6/25/2024	8:40	0.04	0.04	0.04
6/25/2024	8:41	0.04	0.04	0.04
6/25/2024	8:42	0.04	0.04	0.04
6/25/2024	8:43	0.04	0.04	0.04
6/25/2024	8:44	0.04	0.04	0.04
6/25/2024	8:45	0.04	0.04	0.04
6/25/2024	8:46	0.04	0.04	0.04
6/25/2024	8:47	0.04	0.04	0.04
6/25/2024	8:48	0.03	0.05	0.04
6/25/2024	8:49	0.00	0.03	0.01
6/25/2024	8:50	0.03	0.05	0.04
6/25/2024	8:51	0.03	0.04	0.04
6/25/2024	8:52	0.04	0.05	0.05
6/25/2024	8:53	0.05	0.06	0.05
6/25/2024	8:54	0.06	0.06	0.06
6/25/2024	8:55	0.02	0.06	0.04
6/25/2024	8:56	0.02	0.02	0.02
6/25/2024	8:57	0.02	0.02	0.02
6/25/2024	8:58	0.02	0.02	0.02
6/25/2024	8:59	0.02	0.03	0.02
6/25/2024	9:00	0.02	0.03	0.02
6/25/2024	9:01	0.02	0.02	0.02
6/25/2024	9:02	0.02	0.02	0.02
6/25/2024	9:03	0.02	0.03	0.02
6/25/2024	9:04	0.03	0.03	0.03
6/25/2024	9:05	0.03	0.03	0.03
6/25/2024	9:06	0.03	0.04	0.03
6/25/2024	9:07	0.04	0.04	0.04

Marathon Petroleum Company LP

Detroit Terminal	
6/25/2024	
Start	Stop
6:13 AM	1:32 PM

		CH001 NMHC		Average NMHC
Date	Time	MIN	MAX	
6/25/2024	9:08	0.04	0.04	0.04
6/25/2024	9:09	0.04	0.04	0.04
6/25/2024	9:10	0.04	0.04	0.04
6/25/2024	9:11	0.04	0.04	0.04
6/25/2024	9:12	0.04	0.04	0.04
6/25/2024	9:13	0.04	0.04	0.04
6/25/2024	9:14	0.04	0.05	0.04
6/25/2024	9:15	0.05	0.05	0.05
6/25/2024	9:16	0.05	0.05	0.05
6/25/2024	9:17	0.04	0.05	0.05
6/25/2024	9:18	0.00	0.05	0.02
6/25/2024	9:19	0.03	0.05	0.04
6/25/2024	9:20	0.03	0.03	0.03
6/25/2024	9:21	0.02	0.03	0.02
6/25/2024	9:22	0.02	0.02	0.02
6/25/2024	9:23	0.02	0.02	0.02
6/25/2024	9:24	0.02	0.02	0.02
6/25/2024	9:25	0.02	0.02	0.02
6/25/2024	9:26	0.02	0.02	0.02
6/25/2024	9:27	0.02	0.02	0.02
6/25/2024	9:28	0.02	0.02	0.02
6/25/2024	9:29	0.02	0.02	0.02
6/25/2024	9:30	0.02	0.03	0.02
6/25/2024	9:31	0.02	0.03	0.02
6/25/2024	9:32	0.02	0.03	0.02
6/25/2024	9:33	0.02	0.03	0.02
6/25/2024	9:34	0.02	0.03	0.02
6/25/2024	9:35	0.03	0.03	0.03
6/25/2024	9:36	0.03	0.03	0.03
6/25/2024	9:37	0.03	0.03	0.03
6/25/2024	9:38	0.03	0.03	0.03
6/25/2024	9:39	0.03	0.03	0.03
6/25/2024	9:40	0.03	0.03	0.03
6/25/2024	9:41	0.03	0.04	0.03
6/25/2024	9:42	0.04	0.04	0.04

Marathon Petroleum Company LP

Detroit Terminal	
6/25/2024	
Start	Stop
6:13 AM	1:32 PM

		CH001 NMHC		Average NMHC
Date	Time	MIN	MAX	
6/25/2024	9:43	0.00	0.04	0.02
6/25/2024	9:44	0.00	0.04	0.02
6/25/2024	9:45	0.03	0.04	0.04
6/25/2024	9:46	0.03	0.05	0.04
6/25/2024	9:47	0.05	0.05	0.05
6/25/2024	9:48	0.05	0.05	0.05
6/25/2024	9:49	0.05	0.06	0.05
6/25/2024	9:50	0.06	0.07	0.06
6/25/2024	9:51	0.07	0.08	0.08
6/25/2024	9:52	0.02	0.08	0.05
6/25/2024	9:53	0.02	0.02	0.02
6/25/2024	9:54	0.02	0.02	0.02
6/25/2024	9:55	0.02	0.02	0.02
6/25/2024	9:56	0.02	0.02	0.02
6/25/2024	9:57	0.02	0.02	0.02
6/25/2024	9:58	0.02	0.02	0.02
6/25/2024	9:59	0.02	0.02	0.02
6/25/2024	10:00	0.02	0.02	0.02
6/25/2024	10:01	0.02	0.02	0.02
6/25/2024	10:02	0.02	0.02	0.02
6/25/2024	10:03	0.02	0.03	0.02
6/25/2024	10:04	0.02	0.03	0.02
6/25/2024	10:05	0.03	0.03	0.03
6/25/2024	10:06	0.03	0.03	0.03
6/25/2024	10:07	0.03	0.03	0.03
6/25/2024	10:08	0.03	0.04	0.03
6/25/2024	10:09	0.03	0.03	0.03
6/25/2024	10:10	0.03	0.04	0.03
6/25/2024	10:11	0.03	0.04	0.03
6/25/2024	10:12	0.03	0.04	0.03
6/25/2024	10:13	0.04	0.04	0.04
6/25/2024	10:14	0.01	0.04	0.02
6/25/2024	10:15	0.00	0.04	0.02
6/25/2024	10:16	0.02	0.04	0.03
6/25/2024	10:17	0.02	0.04	0.03

Marathon Petroleum Company LP

Detroit Terminal	
6/25/2024	
Start	Stop
6:13 AM	1:32 PM

		CH001 NMHC		Average NMHC
Date	Time	MIN	MAX	
6/25/2024	10:18	0.04	0.05	0.04
6/25/2024	10:19	0.05	0.05	0.05
6/25/2024	10:20	0.05	0.05	0.05
6/25/2024	10:21	0.05	0.05	0.05
6/25/2024	10:22	0.05	0.05	0.05
6/25/2024	10:23	0.05	0.06	0.05
6/25/2024	10:24	0.06	0.06	0.06
6/25/2024	10:25	0.03	0.06	0.04
6/25/2024	10:26	0.02	0.03	0.02
6/25/2024	10:27	0.02	0.02	0.02
6/25/2024	10:28	0.02	0.02	0.02
6/25/2024	10:29	0.02	0.03	0.02
6/25/2024	10:30	0.03	0.03	0.03
6/25/2024	10:31	0.03	0.03	0.03
6/25/2024	10:32	0.03	0.03	0.03
6/25/2024	10:33	0.03	0.03	0.03
6/25/2024	10:34	0.03	0.03	0.03
6/25/2024	10:35	0.03	0.03	0.03
6/25/2024	10:36	0.03	0.03	0.03
6/25/2024	10:37	0.03	0.03	0.03
6/25/2024	10:38	0.03	0.03	0.03
6/25/2024	10:39	0.03	0.03	0.03
6/25/2024	10:40	0.03	0.03	0.03
6/25/2024	10:41	0.03	0.03	0.03
6/25/2024	10:42	0.03	0.04	0.03
6/25/2024	10:43	0.04	0.04	0.04
6/25/2024	10:44	0.04	0.04	0.04
6/25/2024	10:45	0.04	0.04	0.04
6/25/2024	10:46	0.04	0.04	0.04
6/25/2024	10:47	0.04	0.04	0.04
6/25/2024	10:48	0.00	0.04	0.02
6/25/2024	10:49	0.00	0.04	0.02
6/25/2024	10:50	0.03	0.04	0.03
6/25/2024	10:51	0.03	0.05	0.04
6/25/2024	10:52	0.05	0.05	0.05

Marathon Petroleum Company LP

Detroit Terminal	
6/25/2024	
Start	Stop
6:13 AM	1:32 PM

Date	Time	CH001 NMHC MIN	CH001 NMHC MAX	Average NMHC
6/25/2024	10:53	0.05	0.05	0.05
6/25/2024	10:54	0.05	0.06	0.06
6/25/2024	10:55	0.06	0.07	0.06
6/25/2024	10:56	0.02	0.07	0.04
6/25/2024	10:57	0.02	0.02	0.02
6/25/2024	10:58	0.02	0.02	0.02
6/25/2024	10:59	0.02	0.02	0.02
6/25/2024	11:00	0.02	0.02	0.02
6/25/2024	11:01	0.02	0.02	0.02
6/25/2024	11:02	0.02	0.02	0.02
6/25/2024	11:03	0.02	0.02	0.02
6/25/2024	11:04	0.02	0.02	0.02
6/25/2024	11:05	0.02	0.02	0.02
6/25/2024	11:06	0.02	0.02	0.02
6/25/2024	11:07	0.02	0.03	0.02
6/25/2024	11:08	0.02	0.03	0.02
6/25/2024	11:09	0.03	0.03	0.03
6/25/2024	11:10	0.03	0.03	0.03
6/25/2024	11:11	0.03	0.03	0.03
6/25/2024	11:12	0.03	0.03	0.03
6/25/2024	11:13	0.03	0.03	0.03
6/25/2024	11:14	0.03	0.03	0.03
6/25/2024	11:15	0.03	0.03	0.03
6/25/2024	11:16	0.03	0.03	0.03
6/25/2024	11:17	0.03	0.03	0.03
6/25/2024	11:18	0.03	0.03	0.03
6/25/2024	11:19	0.00	0.03	0.02
6/25/2024	11:20	0.02	0.03	0.03
6/25/2024	11:21	0.02	0.03	0.02
6/25/2024	11:22	0.02	0.03	0.03
6/25/2024	11:23	0.03	0.03	0.03
6/25/2024	11:24	0.03	0.04	0.03
6/25/2024	11:25	0.03	0.04	0.03
6/25/2024	11:26	0.04	0.04	0.04
6/25/2024	11:27	0.04	0.04	0.04

Marathon Petroleum Company LP

Detroit Terminal	
6/25/2024	
Start	Stop
6:13 AM	1:32 PM

		CH001 NMHC		Average NMHC
Date	Time	MIN	MAX	
6/25/2024	11:28	0.04	0.04	0.04
6/25/2024	11:29	0.04	0.04	0.04
6/25/2024	11:30	0.04	0.04	0.04
6/25/2024	11:31	0.04	0.04	0.04
6/25/2024	11:32	0.04	0.04	0.04
6/25/2024	11:33	0.04	0.04	0.04
6/25/2024	11:34	0.04	0.05	0.04
6/25/2024	11:35	0.04	0.05	0.04
6/25/2024	11:36	0.05	0.05	0.05
6/25/2024	11:37	0.05	0.05	0.05
6/25/2024	11:38	0.05	0.05	0.05
6/25/2024	11:39	0.05	0.05	0.05
6/25/2024	11:40	0.05	0.05	0.05
6/25/2024	11:41	0.05	0.05	0.05
6/25/2024	11:42	0.02	0.05	0.04
6/25/2024	11:43	0.01	0.02	0.01
6/25/2024	11:44	0.02	0.02	0.02
6/25/2024	11:45	0.02	0.02	0.02
6/25/2024	11:46	0.02	0.02	0.02
6/25/2024	11:47	0.02	0.02	0.02
6/25/2024	11:48	0.02	0.02	0.02
6/25/2024	11:49	0.02	0.02	0.02
6/25/2024	11:50	0.02	0.02	0.02
6/25/2024	11:51	0.02	0.02	0.02
6/25/2024	11:52	0.02	0.02	0.02
6/25/2024	11:53	0.02	0.02	0.02
6/25/2024	11:54	0.02	0.02	0.02
6/25/2024	11:55	0.02	0.02	0.02
6/25/2024	11:56	0.02	0.02	0.02
6/25/2024	11:57	0.02	0.03	0.02
6/25/2024	11:58	0.02	0.03	0.02
6/25/2024	11:59	0.03	0.03	0.03
6/25/2024	12:00	0.03	0.04	0.03
6/25/2024	12:01	0.04	0.04	0.04
6/25/2024	12:02	0.04	0.04	0.04

Marathon Petroleum Company LP

Detroit Terminal	
6/25/2024	
Start	Stop
6:13 AM	1:32 PM

		CH001 NMHC		Average NMHC
Date	Time	MIN	MAX	
6/25/2024	12:03	0.04	0.04	0.04
6/25/2024	12:04	0.04	0.05	0.04
6/25/2024	12:05	0.00	0.05	0.02
6/25/2024	12:06	0.00	0.05	0.02
6/25/2024	12:07	0.04	0.04	0.04
6/25/2024	12:08	0.04	0.05	0.05
6/25/2024	12:09	0.05	0.05	0.05
6/25/2024	12:10	0.05	0.06	0.05
6/25/2024	12:11	0.03	0.06	0.04
6/25/2024	12:12	0.02	0.03	0.02
6/25/2024	12:13	0.02	0.02	0.02
6/25/2024	12:14	0.02	0.02	0.02
6/25/2024	12:15	0.02	0.02	0.02
6/25/2024	12:16	0.02	0.02	0.02
6/25/2024	12:17	0.02	0.02	0.02
6/25/2024	12:18	0.02	0.03	0.02
6/25/2024	12:19	0.03	0.03	0.03
6/25/2024	12:20	0.03	0.03	0.03
6/25/2024	12:21	0.03	0.03	0.03
6/25/2024	12:22	0.03	0.03	0.03
6/25/2024	12:23	0.03	0.04	0.03
6/25/2024	12:24	0.04	0.04	0.04
6/25/2024	12:25	0.04	0.04	0.04
6/25/2024	12:26	0.04	0.04	0.04
6/25/2024	12:27	0.04	0.04	0.04
6/25/2024	12:28	0.04	0.05	0.04
6/25/2024	12:29	0.05	0.05	0.05
6/25/2024	12:30	0.05	0.05	0.05
6/25/2024	12:31	0.05	0.05	0.05
6/25/2024	12:32	0.05	0.05	0.05
6/25/2024	12:33	0.05	0.05	0.05
6/25/2024	12:34	0.00	0.05	0.03
6/25/2024	12:35	0.03	0.06	0.04
6/25/2024	12:36	0.02	0.03	0.02
6/25/2024	12:37	0.02	0.02	0.02

Marathon Petroleum Company LP

Detroit Terminal	
6/25/2024	
Start	Stop
6:13 AM	1:32 PM

		CH001 NMHC		Average NMHC
Date	Time	MIN	MAX	
6/25/2024	12:38	0.02	0.02	0.02
6/25/2024	12:39	0.02	0.03	0.02
6/25/2024	12:40	0.02	0.03	0.02
6/25/2024	12:41	0.03	0.03	0.03
6/25/2024	12:42	0.03	0.03	0.03
6/25/2024	12:43	0.03	0.03	0.03
6/25/2024	12:44	0.03	0.03	0.03
6/25/2024	12:45	0.03	0.03	0.03
6/25/2024	12:46	0.03	0.04	0.03
6/25/2024	12:47	0.04	0.04	0.04
6/25/2024	12:48	0.04	0.04	0.04
6/25/2024	12:49	0.04	0.04	0.04
6/25/2024	12:50	0.04	0.04	0.04
6/25/2024	12:51	0.04	0.04	0.04
6/25/2024	12:52	0.04	0.04	0.04
6/25/2024	12:53	0.04	0.04	0.04
6/25/2024	12:54	0.04	0.05	0.04
6/25/2024	12:55	0.04	0.05	0.04
6/25/2024	12:56	0.05	0.05	0.05
6/25/2024	12:57	0.05	0.05	0.05
6/25/2024	12:58	0.00	0.05	0.02
6/25/2024	12:59	0.00	0.05	0.03
6/25/2024	13:00	0.03	0.05	0.04
6/25/2024	13:01	0.02	0.04	0.03
6/25/2024	13:02	0.02	0.03	0.02
6/25/2024	13:03	0.03	0.03	0.03
6/25/2024	13:04	0.03	0.03	0.03
6/25/2024	13:05	0.03	0.03	0.03
6/25/2024	13:06	0.03	0.03	0.03
6/25/2024	13:07	0.03	0.03	0.03
6/25/2024	13:08	0.03	0.03	0.03
6/25/2024	13:09	0.03	0.03	0.03
6/25/2024	13:10	0.03	0.03	0.03
6/25/2024	13:11	0.03	0.03	0.03
6/25/2024	13:12	0.03	0.03	0.03

Marathon Petroleum Company LP

Detroit Terminal	
6/25/2024	
Start	Stop
6:13 AM	1:32 PM

		CH001 NMHC		Average NMHC
Date	Time	MIN	MAX	
6/25/2024	13:13	0.03	0.04	0.03
6/25/2024	13:14	0.03	0.04	0.03
6/25/2024	13:15	0.04	0.04	0.04
6/25/2024	13:16	0.04	0.05	0.04
6/25/2024	13:17	0.05	0.05	0.05
6/25/2024	13:18	0.05	0.05	0.05
6/25/2024	13:19	0.00	0.05	0.03
6/25/2024	13:20	0.02	0.06	0.04
6/25/2024	13:21	0.02	0.05	0.03
6/25/2024	13:22	0.02	0.02	0.02
6/25/2024	13:23	0.02	0.02	0.02
6/25/2024	13:24	0.02	0.02	0.02
6/25/2024	13:25	0.02	0.02	0.02
6/25/2024	13:26	0.02	0.02	0.02
6/25/2024	13:27	0.02	0.02	0.02
6/25/2024	13:28	0.02	0.03	0.02
6/25/2024	13:29	0.02	0.03	0.02
6/25/2024	13:30	0.02	0.03	0.02
6/25/2024	13:31	0.03	0.03	0.03
6/25/2024	13:32	0.03	0.03	0.03

Detroit Terminal	
6/25/2024	
Start	Stop
6:13 AM	1:45 PM

Date	Time	5 min NMHC Avg.
6/25/2024	6:18	0.02
6/25/2024	6:23	0.02
6/25/2024	6:28	0.03
6/25/2024	6:33	0.02
6/25/2024	6:38	0.04
6/25/2024	6:43	0.06
6/25/2024	6:48	0.04
6/25/2024	6:53	0.02
6/25/2024	6:58	0.02
6/25/2024	7:03	0.03
6/25/2024	7:08	0.03
6/25/2024	7:13	0.04
6/25/2024	7:35	0.03
6/25/2024	7:40	0.04
6/25/2024	7:45	0.04
6/25/2024	7:50	0.03
6/25/2024	7:55	0.05
6/25/2024	8:00	0.02
6/25/2024	8:05	0.03
6/25/2024	8:10	0.03
6/25/2024	8:15	0.04
6/25/2024	8:20	0.03
6/25/2024	8:25	0.05
6/25/2024	8:30	0.03
6/25/2024	8:52	0.04
6/25/2024	8:57	0.04
6/25/2024	9:02	0.02
6/25/2024	9:07	0.03
6/25/2024	9:12	0.04
6/25/2024	9:17	0.05
6/25/2024	9:22	0.03
6/25/2024	9:27	0.02
6/25/2024	9:32	0.02
6/25/2024	9:37	0.03
6/25/2024	9:42	0.03
6/25/2024	9:47	0.03
6/25/2024	10:08	0.03
6/25/2024	10:13	0.03
6/25/2024	10:18	0.03
6/25/2024	10:23	0.05
6/25/2024	10:28	0.03
6/25/2024	10:33	0.03
6/25/2024	10:38	0.03
6/25/2024	10:43	0.03
6/25/2024	10:48	0.04
6/25/2024	10:53	0.04
6/25/2024	10:58	0.04
6/25/2024	11:03	0.02
6/25/2024	11:22	0.03
6/25/2024	11:27	0.04
6/25/2024	11:32	0.04
6/25/2024	11:37	0.04
6/25/2024	11:42	0.05
6/25/2024	11:47	0.02
6/25/2024	11:52	0.02
6/25/2024	11:57	0.02
6/25/2024	12:02	0.03
6/25/2024	12:07	0.03
6/25/2024	12:12	0.04
6/25/2024	12:17	0.02
6/25/2024	12:37	0.04
6/25/2024	12:42	0.03
6/25/2024	12:47	0.03
6/25/2024	12:52	0.04
6/25/2024	12:57	0.05
6/25/2024	13:02	0.03
6/25/2024	13:07	0.03
6/25/2024	13:12	0.03
6/25/2024	13:17	0.04
6/25/2024	13:22	0.03
6/25/2024	13:27	0.02
6/25/2024	13:32	0.03

Appendix D

Instrument and Test Equipment Calibration Data

Marathon Petroleum Company LP
Environmental Field Services
Instrument and System Calibration

Date:	6/25/2024	Technicians:	Hall, Boyd	Analytic Method Used:	25B

Calibration Point	Concentration		Cylinder ID
Zero Gas:	0.00	%	CC483906
Low Standard Conc:	0.26	%	CC262163
Mid Standard Conc:	0.50	%	CC423260
High Standard Conc:	0.89	%	CC714819
Response Time:	51 s	sec	

Analyzer Serial #	3944
Parameter	NMHC
Range	1.00%
Span Value	0.89
Location	Detroit Terminal
Unit	VRU

Direct Calibration to Analyzer

	Zero Conc.	Low Conc.	Mid Conc.	High Conc.
Calibration Run #1	0.00	0.25	0.49	0.88
Calibration Run #2	0.00	0.25	0.49	0.88
Calibration Run #3	0.00	0.25	0.49	0.88
Average	0.00	0.25	0.49	0.88

Analyzer Calibration Data

	Cylinder Value	Analyzer Value	Absolute Difference	% Error of Cylinder
Zero Gas:	0.00	0.00	0.00	NA
Low Standard Conc:	0.26	0.25	0.01	3.85
Mid Standard Conc:	0.50	0.49	0.01	2.00
High Standard Conc:	0.89	0.88	0.01	1.12

System Calibration Bias and Drift Data

		Initial Bias		Final Bias		
	Analyzer Value	System Bias	System Bias %	System Bias	System Bias %	Drift % of Span
Zero Gas	0.00	0.00	0.00	0.00	0.00	0.00
Low Standard Conc	0.25	0.24	-1.12	0.25	0.00	1.12

	Bias Check		
Time	Zero	Cal	Multi
7:14-7:29	0.00	0.25	0.29
8:31-8:46	0.00	0.25	0.29
9:48-10:02	0.00	0.25	0.29
11:04-11:16	0.00	0.24	0.29
12:18-12:31	0.00	0.25	0.29

Multi Gas Verification Check

	Cylinder	Initial	% Error	Final	% Error	Cylinder ID
NMHC	0.30	0.29	-3.33	0.29	-3.33	CC727476
CH4	15.14	15.23	0.59	15.21	0.46	

Does Combo Cylinder Check pass within 5%?	Yes
Does System Cal pass within 5%?	Yes
Does System Cal Bias Check pass within 3%?	Yes
Does Drift of Span check pass within 3%?	Yes

Technician: Josh Hall

Marathon Petroleum Company LP
Environmental Field Services
Instrument and System Calibration

Date:	6/25/2024	Technicians:	Hall, Boyd	Analytic Method Used:	25B

Calibration Point	Concentration		Cylinder ID
Zero Gas:	0.00	%	CC483906
Low Standard Conc:	0.26	%	CC262163
Mid Standard Conc:	0.50	%	CC423260
High Standard Conc:	0.89	%	CC714819
Response Time:	52 s	sec	

Analyzer Serial #	3944
Parameter	THC
Range	1.00%
Span Value	0.89
Location	Detroit Terminal
Unit	VRU

Direct Calibration to Analyzer

	Zero Conc.	Low Conc.	Mid Conc.	High Conc.
Calibration Run #1	0.01	0.25	0.49	0.89
Calibration Run #2	0.01	0.26	0.49	0.89
Calibration Run #3	0.01	0.26	0.49	0.89
Average	0.01	0.26	0.49	0.89

Analyzer Calibration Data

	Cylinder Value	Analyzer Value	Absolute Difference	% Error of Cylinder
Zero Gas:	0.00	0.01	0.01	NA
Low Standard Conc:	0.26	0.26	0.00	0.00
Mid Standard Conc:	0.50	0.49	0.01	2.00
High Standard Conc:	0.89	0.89	0.00	0.00

System Calibration Bias and Drift Data

		Initial Bias		Final Bias		
	Analyzer Value	System Bias	System Bias %	System Bias	System Bias %	Drift % of Span
Zero Gas	0.01	0.01	0.00	0.01	0.00	0.00
Low Standard Conc	0.26	0.25	-1.12	0.26	0.00	1.12

	Bias Check	
Time	Zero	Cal
7:14-7:29	0.01	0.25
8:31-8:46	0.01	0.25
9:48-10:02	0.01	0.25
11:04-11:16	0.01	0.25
12:18-12:31	0.01	0.25

Technician: Josh Hall

Does Combo Cylinder Check pass within 5%?	Yes
Does System Cal pass within 5%?	Yes
Does System Cal Bias Check pass within 3%?	Yes
Does Drift of Span check pass within 3%?	Yes

Marathon Petroleum Company LP
Environmental Field Services
Instrument and System Calibration

Date:	6/25/2024	Technicians:	Hall, Boyd	Analytic Method Used:	25B

Calibration Point	Concentration		Cylinder ID
Zero Gas:	0.00	%	CC483906
Low Standard Conc:	5.98	%	EB0005812
Mid Standard Conc:	10.13	%	ALM005756
High Standard Conc:	17.00	%	EB0054215
Response Time:	45	sec	

Analyzer Serial #	3944
Parameter	CH4
Range	20.00%
Span Value	17.00
Location	Detroit Terminal
Unit	VRU

Direct Calibration to Analyzer

	Zero Conc.	Low Conc.	Mid Conc.	High Conc.
Calibration Run #1	0.02	5.96	9.96	17.02
Calibration Run #2	0.02	5.95	9.96	17.01
Calibration Run #3	0.02	5.94	9.95	17.02
Average	0.02	5.95	9.96	17.02

Analyzer Calibration Data

	Cylinder Value	Analyzer Value	Absolute Difference	% Error of Cylinder
Zero Gas:	0.00	0.02	0.02	NA
Low Standard Conc:	5.98	5.95	0.03	0.50
Mid Standard Conc:	10.13	9.96	0.17	1.68
High Standard Conc:	17.00	17.02	0.02	0.12

System Calibration Bias and Drift Data

		Initial Bias		Final Bias		
	Analyzer Value	System Bias	System Bias %	System Bias	System Bias %	Drift % of Span
Zero Gas	0.02	0.02	0.00	0.02	0.00	0.00
Low Standard Conc	5.95	5.92	-0.18	5.93	-0.12	0.06

	Bias Check		
Time	Zero	Cal	Multi
7:14-7:29	0.02	5.93	15.19
8:31-8:46	0.02	5.86	15.13
9:48-10:02	0.02	5.91	15.25
11:04-11:16	0.02	5.88	15.17
12:18-12:31	0.02	5.85	15.19

Multi Gas Verification Check

	Cylinder	Initial	% Error	Final	% Error	Cylinder ID
NMHC	0.30	0.29	-3.33	0.29	-3.33	CC727476
CH4	15.14	15.23	0.59	15.21	0.46	

Does Combo Cylinder Check pass within 5%?	Yes
Does System Cal pass within 5%?	Yes
Does System Cal Bias Check pass within 3%?	Yes
Does Drift of Span check pass within 3%?	Yes

Technician: Josh Hall

Airgas
an Air Liquide company

Airgas Specialty Gases
Airgas USA LLC
12722 S. Wentworth Ave.
Chicago, IL 60628
Airgas.com

CERTIFICATE OF ANALYSIS

Grade of Product: EPA PROTOCOL STANDARD

Customer:	CATLETTSBURG REFINING LLC,		
Part Number:	E02NI99E15A01A8	Reference Number:	54-402722038-1
Cylinder Number:	CC262163	Cylinder Volume:	145.0 CF
Laboratory:	124 - Chicago (SAP) - IL	Cylinder Pressure:	2015 PSIG
PGVP Number:	B12023	Valve Outlet:	350
Gas Code:	PR,BALN	Certification Date:	Apr 25, 2023

Expiration Date: Apr 25, 2031

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. The results relate only to the items tested. The report shall not be reproduced except in full without approval of the laboratory. 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
PROPANE	0.2500 %	0.2550 %	G1	+/- 1.1% NIST Traceable	04/25/2023
NITROGEN	Balance				

CALIBRATION STANDARDS

Type	Lot ID	Cylinder No	Concentration	Uncertainty	Expiration Date
NTRM	00011612	K-026026	2515 PPM PROPANE/NITROGEN	+/- 0.6%	May 29, 2024

ANALYTICAL EQUIPMENT

Instrument/Make/Model	Analytical Principle	Last Multipoint Calibration
Nicolet iS50 AUP2110277	FTIR	Apr 06, 2023

Triad Data Available Upon Request

Signature on file
Approved for Release

Airgas
an Air Liquide company

Airgas Specialty Gases
Airgas USA, LLC
9810 BAY AREA BLVD
Pasadena, TX 77507
Airgas.com

CERTIFICATE OF ANALYSIS
Grade of Product: EPA Protocol

Customer:	MARATHON		
Part Number:	E02NI99E15A1229	Reference Number:	163-401407211-1
Cylinder Number:	CC423260	Cylinder Volume:	144.7 CF
Laboratory:	124 - Pasadena (SG06) - TX	Cylinder Pressure:	2015 PSIG
PGVP Number:	A32019	Valve Outlet:	350
Gas Code:	PPN,BALN	Certification Date:	Jan 28, 2019

Expiration Date: Jan 28, 2027

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
PROPANE	0.5000 %	0.4991 %	G1	+/- 1.0% NIST Traceable	01/28/2019
NITROGEN	Balance				

CALIBRATION STANDARDS

Type	Lot ID	Cylinder No	Concentration	Uncertainty	Expiration Date
NTRM	020104	K013697	4976 PPM PROPANE/NITROGEN	+/-0.60%	Dec 02, 2021

ANALYTICAL EQUIPMENT

Instrument/Make/Model	Analytical Principle	Last Multipoint Calibration
C3H8-H-NICOLET 6700 AHR0600411	FTIR	Jan 03, 2019

Triad Data Available Upon Request

Signature on file
Approved for Release

Airgas
an Air Liquide company

Airgas USA, LLC
9810 BAY AREA BLVD
Pasadena, TX 77507
Airgas.com

CERTIFICATE OF ANALYSIS

Grade of Product: EPA Protocol

Customer:	MARATHON		
Part Number:	E02NI99E15A00H5	Reference Number:	163-401407212-1
Cylinder Number:	CC714819	Cylinder Volume:	145.1 CF
Laboratory:	124 - Pasadena (SG06) - TX	Cylinder Pressure:	2015 PSIG
PGVP Number:	A32019	Valve Outlet:	350
Gas Code:	PPN,BALN	Certification Date:	Jan 28, 2019

Expiration Date: Jan 28, 2027

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 volume/volume 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
PROPANE	0.9000 %	0.8922 %	G1	+/- 1.0% NIST Traceable	01/28/2019
NITROGEN	Balance				

CALIBRATION STANDARDS

Type	Lot ID	Cylinder No	Concentration	Uncertainty	Expiration Date
NTRM	020104	K013697	4976 PPM PROPANE/NITROGEN	+/-0.60%	Dec 02, 2021

ANALYTICAL EQUIPMENT

Instrument/Make/Model	Analytical Principle	Last Multipoint Calibration
C3H8-H-NICOLET 6700 AHR0600411	FTIR	Jan 03, 2019

Triad Data Available Upon Request

Approved for Release

Airgas Mid America region
Airgas USA LLC
3500 Bernard Street
Saint Louis, MO 63103
Airgas.com

CERTIFICATE OF ANALYSIS

Grade of Product: CERTIFIED STANDARD-SPEC

Part Number:	X02NI94C15A0011	Reference Number:	40-402638971-1
Cylinder Number:	EB0005812	Cylinder Volume:	145.0 CF
Laboratory:	111 - Saint Louis SGL (SAP) - MO	Cylinder Pressure:	2015 PSIG
Analysis Date:	Jan 17, 2023	Valve Outlet:	350
Lot Number:	40-402638971-1		

Expiration Date: Jan 17, 2031

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
METHANE	6.000 %	5.984 %	+/- 2%
NITROGEN	Balance		

Signature on file
Approved for Release

Airgas
an Air Liquide company

Airgas Specialty Gases
Airgas USA, LLC
6141 Easton Road
Bldg 1
Plumsteadville, PA 18949
Airgas.com

CERTIFICATE OF ANALYSIS

Grade of Product: CERTIFIED STANDARD-SPEC

Part Number:	X02NI90C15A2877	Reference Number:	160-401594220-1
Cylinder Number:	ALM005756	Cylinder Volume:	145.7 CF
Laboratory:	124 - Plumsteadville - PA	Cylinder Pressure:	2015 PSIG
Analysis Date:	Sep 11, 2019	Valve Outlet:	350
Lot Number:	160-401594220-1		

Expiration Date: Sep 11, 2027

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
METHANE	10.00 %	10.13 %	+/- 2%
NITROGEN	Balance		

D. Ashmoll

Approved for Release

Airgas
an Air Liquide company

Airgas USA, LLC
3500 Bernard Street
Saint Louis, MO 63103
Airgas.com

CERTIFICATE OF ANALYSIS

Grade of Product: PRIMARY STANDARD

Part Number:	X02NI83P15A0001	Reference Number:	40-401706110-1
Cylinder Number:	EB0054215	Cylinder Volume:	147.7 CF
Laboratory:	111 - Saint Louis SGL (SAP) - MO	Cylinder Pressure:	2015 PSIG
Analysis Date:	Jan 14, 2020	Valve Outlet:	350
Lot Number:	40-401706110-1		

Expiration Date: Jan 14, 2028

Primary Standard Gas Mixtures are 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
METHANE	17.00 %	17.00 %	+/- 0.02% abs
NITROGEN	Balance		

Approved for Release

Airgas
an Air Liquide company

Airgas Mid America region
Airgas USA LLC
3500 Bernard Street
Saint Louis, MO 63103
Airgas.com

CERTIFICATE OF ANALYSIS

Grade of Product: CERTIFIED STANDARD-SPEC

Customer:	Catlettsburg Refining LLC		
Part Number:	X03NI84C15A0007	Reference Number:	40-401594221-1
Cylinder Number:	CC727476	Cylinder Volume:	147.6 CF
Laboratory:	111 - Saint Louis SGL (SAP) - MO	Cylinder Pressure:	2015 PSIG
Analysis Date:	Sep 09, 2019	Valve Outlet:	350
Lot Number:	40-401594221-1		

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
PROPANE	0.3000 %	0.3038 %	+/- 2%
METHANE	15.00 %	15.14 %	+/- 2%
NITROGEN	Balance		

Signature on file
Approved for Release

Airgas
an Air Liquide company

Airgas Mid America region
Airgas USA LLC
3500 Bernard Street
Saint Louis, MO 63103
Airgas.com

CERTIFICATE OF BATCH ANALYSIS

Grade of Product: CEM-CAL ZERO

Part Number:	NI CZ15A	Reference Number:	40-402298388-1
Cylinder Analyzed:	CC151631	Cylinder Volume:	142.0 CF
Laboratory:	111 - Saint Louis SGL (SAP) - MO	Cylinder Pressure:	2000 PSIG
Analysis Date:	Dec 01, 2021	Valve Outlet:	580
Lot Number:	40-402298388-1		

Expiration Date: Dec 01, 2029

ANALYTICAL RESULTS

Component	Requested Purity	Certified Concentration
NITROGEN	99.9995 %	99.9995 %
CARBON DIOXIDE	1.0 PPM	0.062 PPM
NOx	0.1 PPM	< 0.10 PPM
SO2	0.1 PPM	< 0.10 PPM
THC	0.1 PPM	0.051 PPM
CARBON MONOXIDE	0.5 PPM	0.062 PPM

Permanent Notes: Airgas certifies that the contents of this cylinder meet the requirements of 40 CFR 72.2

Cylinders in Batch:

CC151631, CC172126, CC195514, CC273160, CC483906, CC483910, CC91043, EB0021866, EB0055939, EB0055952, EB0063520

Impurities verified against analytical standards traceable to NIST by weight and/or analysis.

Signature on file
Approved for Release

Marathon Petroleum Company LP
Environmental Field Services
VOC Analyzer Calibration

General Information

Client: MPLX Test Date: 6/25/24 Terminal Location: Detroit

Test Source: VRU Test Type: RATA

Explosimeter Information

Make: RKI Model: Gas Tracer Serial No. 2670100988W

Calibration Information

Calibration Gas: CH4 Response Time: 6 sec Calibration Gas Type: Certified

ppm range

Calibration Span Value: 500 ppm

Zero Gas Value: 0 ppm

Zero Gas Response: 1) 0 ppm

2) 0 ppm

3) 0 ppm

Calibration Precision Value: 0 %

High Cal Response: 1) 480 ppm

2) 480 ppm

3) 480 ppm

Calibration Precision Value: 4 %

Is assessment value within +/- 10 %

of the calibration value? Yes or No

Lot #: 304-402446464-1

Technician: A. Boyd **Date:** 6/25/24

Calculation: cylinder value-average x 100%

cylinder value

Marathon Petroleum Company LP
Environmental Field Services
Stack Testing Department

Terminal Site: Detroit Date: 6/27/19 Technicians: Bolw/Hall

Unit Design: URU Test Type: RATA

Truck Rack Components

	Rack No. 1	Rack No. 2	Rack No. 3	Rack No. 4	Rack No. 5	Rack No. 6
	Testo SN ____	Testo SN ____	Testo SN ____	Testo SN ____	Testo SN ____	Testo SN ____
Flexible Vapor Hose	✓	✓	✓	✓	✓	✓
Vapor Hose Connection	✓	✓	✓	✓	✓	✓
Vapor Line Connection	✓	✓	✓	✓	✓	✓
Vapor Line Check Valves	✓	✓	✓	✓	✓	✓
Other Connections	✓	✓	✓	✓	✓	✓

Vapor Line Connections

Flanged Connections	✓
Pressure/Vacuum Relief Valves	✓
Flame Arrestor Connections	✓
Gauge/Device Penetrations	✓
Other Connections	✓

Vapor Recovery Unit Components

Vacuum Pump Gauge Reading	✓
Flanged Connections	✓
Vacuum Switch Valves	✓
Carbon Bed Flanges	✓
Other Connections	✓

Comments: _____

Airgas

CERTIFICATE OF ANALYSIS

Customer:	AIRGAS USA, LLC	**Cylinder Size:**	2.0 Cu. Ft.
PO Number:	4521460877	**Cylinder Volume:**	58 Liter
Part Number:	X02 AI99CP584282 / 58L-150A-500	**Cylinder Pressure:**	500 psig
Lot Number:	304-402446464-1	**Valve Outlet:**	5/8"-18 UNF (C-10)
Analysis Date:	05/20/2022	**Blend Tolerance:**	+/-10%

Use Before: 05/20/2026

ANALYTICAL RESULTS

Component	Requested Concentration	Actual Concentration (Mole %)	Analytical Uncertainty
Methane	500 PPM	504.60 PPM	+/- 2 %
Air	Balance		

NIST Weight Certificate Number(s): S1106, MS001, MS002, A031

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.

Analyst:

Glenn Velez

Airgas

CERTIFICATE OF ANALYSIS

Customer:	AIRGAS USA LLC	**Cylinder Size:**	2.0 Cu. Ft.
PO Number:	4518122143	**Cylinder Volume:**	58 Liter
Part Number:	AI ZP58	**Cylinder Pressure:**	500 psig
Lot Number:	304-401925389-1	**Valve Outlet:**	5/8"-18UNF
Analysis Date:	10/12/2020	**Blend Tolerance:**	+/-5%

Use Before: 10/12/2024

ANALYTICAL RESULTS

Component	Requested Concentration	Actual Concentration (Mole %)	Analytical Uncertainty
Oxygen	20.9% vol.	20.90% vol.	+/- 2 % THC < 0.1 PPM
Nitrogen	Balance	Balance	

NIST Weight Certificate Number(s): 822/275890

Impurities verified against analytical standards traceable to NIST by weight and/or analysis.

Analyst:

Hfton Eakins

Hfton Eakins

Turbine Meter Pre Test Calibration

Test Date:	1/25/2024
Barometric Px:	29.46
Ambient Temperature:	56
Meter ID:	80481
Technician:	J. Hall
Stack Diameter:	5.8125
Stack Area:	0.1843
Manometer ID:	1

UNIT COEFFICIENT: 1.04

Pitot Tube Total Px ("H2O)	Pitot Tube Static Px	Duct Temp (oF)	Time Min	Air Velocity (ft/sec)	Air Velocity (ft/min)	Pitot Tube Air Volume Standard (scf/m)	Pitot Tube Air Volume Standard (scf/5m)	Turbometer Air Volume (cf/5m)	Turbometer Air Volume (scf/5m)	Turbometer Correction Coefficient
0.30	-1.1	69.1	10	33.30	1998.12	361.84	3606.40	3500	3428.21	1.05
0.30	-1.1	69.1	10	33.30	1998.12	361.84	3606.40	3500	3428.21	1.05
0.30	-1.1	68.5	10	33.28	1996.99	362.04	3608.45	3500	3432.10	1.05
									Average	1.05
0.65	-2.3	67.7	10	49.03	2941.68	534.12	5307.53	5200	5091.52	1.04
0.65	-2.3	68.8	10	49.08	2944.74	533.56	5302.01	5300	5178.64	1.02
0.65	-2.3	69.5	10	49.11	2946.69	533.21	5298.50	5300	5171.79	1.02
									Average	1.03
1.30	-4.7	69.5	10	69.66	4179.86	756.36	7470.61	7400	7177.49	1.04
1.30	-4.7	69.0	10	69.63	4177.89	756.71	7474.14	7400	7184.27	1.04
1.30	-4.7	69.3	10	69.65	4179.07	756.50	7472.02	7300	7083.17	1.05
									Average	1.05

Pre Cal Checked By: J. Hall

POST TURBOMETER CALIBRATION

Test Date: 01-Jul-24
Barometric Px: 30.22
Ambient Temperature: 70
Meter ID: 80481
Technician: Odell/Howard
Stack Diameter: 5.8125
Stack Area: 0.1843

Post Coefficient 1.03 **(Tolerance +/-0.02)**
Pre Cal Coefficient 1.04

Did Post Calibration check within tolerance allowables? Yes

Pitot Tube Total Px ("H2O)	Pitot Tube Static Px	Duct Temp (oF)	Time Min	Air Velocity (ft/sec)	Air Velocity (ft/min)	Pitot Tube Air Volume Standard (scf/m)	Pitot Tube Air Volume Standard (scf/5m)	Turbometer Air Volume (cf/5m)	Turbometer Air Volume (scf/5m)	Turbometer Correction Coefficient
0.72	-2.90	78.3	10	51.49	3089.44	564.09	5597.92	5500	5408.24	1.04
0.71	-2.90	79	10	51.17	3069.91	559.80	5555.30	5500	5401.22	1.03
0.72	-2.90	79.7	10	51.56	3093.46	563.36	5590.66	5500	5394.21	1.04
									Average	**1.03**

Post Cal Checked by: Odell/Howard

Environmental Field Services Master Equipment List

VRU/VCU

Primary Equipment	Unique Identifier/Serial Number
Infrared Industries IR208 3-Channel	4441
Infrared Industries IR208 3-Channel	3944
Infrared Industries IR208 THC ppm	6562
Infrared Industries IR208 THC High %	6559
American Turbine Meter	80481
American Turbine Meter	80695
Omega Barometer	247424
Omega Temperature Probe	VCU Temp - VCU-ST1
Omega Temperature Probe	Sample Temp - ST-1G
Cole Parmer Differential Pressure Transmitter	60804115
Dwyer Manometer	Manometer 01
Honeywell HC900 Controller	50004721-002-Y05W27-B0009
HP Laptop	CND4529X4H
RKI Instruments Gas Tracer	3Z8040995RN
RKI Instruments Gas Tracer	580010044RN
RKI Instruments Gas Tracer	267010088RN
Fluke 51 Thermometer	19990115
ADI Dual Head Sample Pump (CO/CO2 & Inlet Sample)	1101370
ADI Single Head Sample Pump (Outlet Sample)	1702553
Dwyer Manometer	Manometer 02
Siemens Ultramat 23 (CO2/O2)	N1K6160
Siemens Ultramat 23 (CO/CO2)	N1K7541
Siemens Ultramat 23 (CO, CO2, O2)	N1A2074
Siemens Ultramat 23 (CO, CO2, O2)	N1MD111
Aschcroft Differential Pressure Transmitter	X18320099
Clean Air MAK Gas Conditioner	709-01791
Clean Air MAK Gas Conditioner	7D15-00419
TH900 Temp. Controller	30482-70-02-01
Omega Barometer	371661
ADI Single Head Sample Pump (CO/CO2)	1807595
ADI Single Head Sample Pump (THC-L)	801104
ADI Single Head Sample Pump (THC-H)	1807594
Omega Temperature Probe	ST-1B
Honeywell HC900 Controller	50004721-004-BV17W48-D0024
HP Laptop	11617211450
Fisher Stopwatch	200438581
Testo 510i	46073165 / 165
Testo 510i	46630249 / 249
Testo 510i	46628362 / 362
Testo 510i	46274419 / 419
Testo 510i	46627535 / 535
Testo 510i	46284615 / 615
Testo 510i	46072726 / 726

Environmental Field Services Master Equipment List

VRU/VCU

Primary Equipment	Unique Identifier/Serial Number
Testo 510i	45994832 / 832
Testo 510i	46625908 / 908
Testo 510i	46630230 / 230
Testo 510i	46073728 / 728
Testo 510i	46284856 / 856
iPad	J2RRH79GHR
iPad	L4JXX35V22

Appendix E

EPA Approval Letter

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
RESEARCH TRIANGLE PARK, NC 27711

JUN 25 2015

Allison S. LeBrun, Technician
Environmental Compliance Group
Marathon Petroleum Company LP
539 South Main Street
Findlay, Ohio 45840

OFFICE OF
AIR QUALITY PLANNING
AND STANDARDS

Dear Ms. LeBrun,

We are writing in response to your letter of May 11, 2015, and associated emails and conference calls requesting a modification to our alternative test method approvals dated July 23, 2013, and April 28, 2014, addressed to Mr. Thomas Leigh of your company for use of the Infrared Industries, Inc. Model IR 208DC non-dispersive infrared light absorption (NDIR) gas analyzer with methane compensation as an alternative to the combination of Method 25B and Method 18 (40 CFR part 60, Appendix A) to measure total nonmethane organic compounds at specified Marathon Petroleum Company LP (Marathon) gasoline distribution facilities. The alternative test method approval letters in 2013 and 2014 are applicable to gasoline loading racks at Marathon facilities subject to 40 CFR part 63, Subpart BBBBBB for Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities; 40 CFR part 63, Subpart R for Gasoline Distribution Facilities; and 40 CFR part 60, Subpart XX for Bulk Gasoline Terminals. These subparts all require emissions testing using either Method 25A or Method 25B (40 CFR part 60, Appendix A) for measurement of total organic compound emissions from the subject units. When Method 25A or 25B is used, the facility has the option to exclude the methane and ethane content from the total organic compound emissions measured using Method 18 (40 CFR part 60, Appendix A).

You have proposed a modification to the second condition of the prior approval letters which addresses the calibration procedures used to confirm separation of the methane and hydrocarbon measurements by the Infrared Industries IR 208DC instrument approved in lieu of the combination of Methods 25B and 18. Rather than using multiple gases containing both methane and propane for calibration as we specified in our prior approvals, you have proposed the following modified approach:

- The calibration error and drift requirements of sections 7.0, 8.0 and 13.0 of Method 25A would be met separately for both propane and methane for the IR 208DC NDIR instrument using <u>single</u> rather than mixed gas calibration standards.
- Separation of the methane and hydrocarbon measurement bands would be confirmed during each test program by challenging the IR 208DC NDIR instrument with one mixed gas standard containing both methane and propane – referred to as a "bump test" – to verify appropriate nonmethane hydrocarbon (NMHC) and methane channel readings as compared to the propane and methane tag values, respectively, of the gas

standard. This bump test would be conducted at both the beginning and end of each test program.

We also understand that you are requesting that this modified approach be applicable to all the facilities covered in our approvals dated July 23, 2013, and April 28, 2014, as well as 44 additional Marathon gasoline bulk terminals listed in the attachment to your letter of May 11, 2015. These Marathon terminals either currently have Infrared Industries methane compensating CEMSs (e.g., Model IR 8400DC) installed or are planning to install this type of methane compensating CEMS in the near future.

As stated in our previous letters, the rationale for approval of use of the Infrared Industries Model IR 208DC NDIR with methane compensation as an alternative to the combination of Methods 25B and 18 for this application is as follows. Method 25B involves the use of NDIR technology for quantitative measurement of total hydrocarbons, primarily alkanes. Method 25B is also applicable to measurement of other organic materials as noted in section 1.2 of Method 25B when the general NDIR procedure is used with appropriate absorption bands and calibration gas. Our review of documentation from Infrared Industries confirmed that NDIR technology is used by both the IR 208DC and the IR 8400D for quantitative measurement of total hydrocarbons. We also noted that both the IR 208DC and the IR 8400D are equipped to measure methane using a block of characteristic wavelengths that is unique for methane compared to hydrocarbons in general. Our review of the technical specifications for the Model IR 208DC NDIR instrument indicated that it uses optical filters that measure methane in the 3.2 μm region independently of total hydrocarbons in the at 3.4 μm region with separation of the absorption bands that should be sufficient to mitigate crosstalk between the two measurement channels.

We have now reviewed new data provided by you and Infrared Industries detailing numerous factory "bump test" measurements conducted on the Infrared Industries NDIR instrument covering a range of concentrations and ratios between mixed methane and propane certified gas standards which demonstrated adequate resolution of the methane and propane concentrations. Finally, we recognize that the methane levels measured may be orders of magnitude higher than the nonmethane hydrocarbons, meaning that the error of the methane measurement could be significant in relation to the nonmethane hydrocarbon measurement; however, we have contemplated your proposed approach for application on a specific basis in view of the fact that the combination of Method 25B and Method 18 would experience the same issue.

We have considered your proposed modification to our prior approved alternative test method and the new data provided. We are approving your request for the modification to the use of the Infrared Industries IR 208DC NDIR technology at the specified facilities as a testing alternative to the combination of Method 25B and Method 18 to measure total nonmethane gaseous organic compound emissions from gasoline loading racks with the following caveats:

- This approval is specific to use of the Infrared Industries Model IR 208DC NDIR instrument for performance testing and relative accuracy test audits of CEMS. A copy of this approval letter must be included in each test report where the Infrared Industries Model IR 208DC instrument is used as an alternative to the combination of Method 25B

and Method 18 to measure nonmethane organic compounds under the referenced subparts.

- The Model IR 208DC instrument must separately meet the calibration error and drift requirements of sections 7.0, 8.0, 9.0 and 13.0 of Method 25A for both propane and methane using single gas calibration standards. The levels of propane in the propane calibration gases must meet the requirements of section 7.1 of Method 25A, while the level of methane in at least one of the three methane calibration gases must be greater than the average methane concentration measured over the test period.
- You must confirm separation of the methane and hydrocarbon measurement bands for each test program by challenging the Model 208DC instrument with one mixed gas standard containing both methane and propane – "bump test" – to verify appropriate nonmethane hydrocarbon (NMHC) and methane channel readings as compared to the propane and methane tag values, respectively, of the gas standard. The mixed gas standard must be certified by the manufacturer to ±3% uncertainty and have a propane concentration between 0.27% and 0.33% and a methane concentration between 13.5% and 16.5%. The bump test must be conducted at the beginning and end of each test run (within one hour). The difference between the measured value and the reference gas tag value shall be less than 5% of the tag value for both methane and propane.
- You must report total hydrocarbons, methane and total nonmethane organic compound results from the Model IR 208DC instrument.
- This alternative is applicable to Marathon Gasoline Bulk Terminals with Infrared Industries methane compensating CEMS (e.g., Model IR 8400D) currently installed or Marathon Gasoline Bulk Terminals planning to install Infrared Industries methane compensating CEMS once the CEMS is installed.

If you have any questions regarding this approval or need further assistance, please contact Ray Merrill at (919) 541-5225 or Merrill.raymond@epa.gov or Robin Segall at (919) 541-0893 or Segall.robin@epa.gov.

Sincerely,

James B. Hemby, Acting Leader
Measurement Technology Group

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