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**SOURCE TEST REPORT  
2024 COMPLIANCE/RATA TESTING  
SILICON VALLEY POWER  
DONALD VON RAESFELD FACILITY (NO. 14991)  
UNITS 1 (S-1/2) & 2 (S-3/4)  
SANTA CLARA, CALIFORNIA**

Prepared For:

**Silicon Valley Power**  
850 Duane Avenue  
Santa Clara, CA 95054

For Submittal To:

**Bay Area Air Quality Management District**  
San Francisco, California

**California Energy Commission**  
Sacramento, California

Prepared By:

**Montrose Air Quality Services, LLC**  
2825 Verne Roberts Circle  
Antioch, CA 94509

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Test Dates: **July 15-19, 2024**  
Resubmittal Date: **September 13, 2024**



## REVIEW AND CERTIFICATION

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

Signature: Dan Duncan for NP Date: 09 / 16 / 2024

Name: Nishad Patel Title: Field Project Manager

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

Signature:  Date: 09 / 16 / 2024

Name: Patrick Switzer Title: Reporting / QC Specialist

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## 1.0 INTRODUCTION

### 1.1 SUMMARY OF TEST PROGRAM

Silicon Valley Power (SVP) contracted Montrose Air Quality Services, LLC (Montrose) to perform a compliance emissions test program on the Donald Van Raesfeld Power Plant located in Santa Clara, California. In addition, a CEMS RATA was conducted on the sources listed in Tables 1-1 and 1-2. The compliance tests were conducted to determine compliance with the source testing limitations of the Bay Area Air Quality Management District (BAAQMD) Permit to Operate (PTO) for Plant No. 14991. The RATA was conducted to determine compliance with the RA requirements listed in Appendix B of 40 CFR 60.

The specific objectives were to:

- Measure emissions of O<sub>2</sub>, CO<sub>2</sub>, CO, NO<sub>x</sub>, SO<sub>2</sub>, NH<sub>3</sub>, PM, POC, methane, and ethane, fuel sulfur
- Determine the RA for the O<sub>2</sub>, CO, & NO<sub>x</sub> CEMS
- Conduct the test program with a focus on safety

Montrose performed the tests to measure the emission parameters listed in Tables 1-1 and 1-2.

**Table 1-1**  
**Summary of Test Program**

| Unit ID /<br>Source Name | Activity /<br>Parameters                    | Test Methods      |
|--------------------------|---------------------------------------------|-------------------|
| Units 1 & 2              | Velocity/Volumetric Flow Rate               | EPA 1 & 2         |
| Units 1 & 2              | O <sub>2</sub> , CO <sub>2</sub>            | EPA 3A            |
| Units 1 & 2              | Moisture                                    | EPA 4             |
| Units 1 & 2              | Total Particulate Matter                    | EPA 5/202         |
| Units 1 & 2              | NO <sub>x</sub>                             | EPA 7E            |
| Units 1 & 2              | CO                                          | EPA 10            |
| Units 1 & 2              | Precursor Organic Compounds (POC)           | EPA 25a/EPA 18    |
| Units 1 & 2              | NH <sub>3</sub>                             | BAAQMD ST-1B      |
| Units 1 & 2              | Fuel Sulfur (to calculate SO <sub>2</sub> ) | ASTM D5504        |
| Units 1 & 2              | Emission Rates                              | EPA 19            |
| Units 1 & 2              | Fuel Composition, HHV, Fd                   | ASTM D1945, D3588 |

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**Table 1-2**  
**Test Schedule**

| Proposed Test Dates                  | Activity/<br>Parameters                                             | No. of Runs  | Duration<br>(Minutes) |
|--------------------------------------|---------------------------------------------------------------------|--------------|-----------------------|
| Monday afternoon<br>July 15, 2024    | <u>DVR Unit 1; Base Load</u>                                        |              |                       |
|                                      | O <sub>2</sub> , CO <sub>2</sub> , H <sub>2</sub> O, Vol. Flow Rate | 3            | 30                    |
|                                      | NH <sub>3</sub>                                                     | 3            | 30                    |
| Tuesday<br>July 16, 2024             | <u>DVR Unit 1; Maximum Load</u>                                     |              |                       |
|                                      | O <sub>2</sub> , CO, NO <sub>x</sub>                                | 9 (up to 12) | 21                    |
|                                      | TPM for PM <sub>10</sub>                                            | 3            | 120                   |
|                                      | POC, NH <sub>3</sub>                                                | 3            | 30                    |
|                                      | CO <sub>2</sub> , H <sub>2</sub> O, Vol. Flow Rate                  | w/ TPM       | 120                   |
|                                      | Fuel Samples (for SO <sub>2</sub> etc.)                             | 3            | Grab                  |
| Wednesday morning<br>July 17, 2024   | <u>DVR Unit 1; Minimum Load</u>                                     |              |                       |
|                                      | O <sub>2</sub> , CO <sub>2</sub> , H <sub>2</sub> O, Vol. Flow Rate | 3            | 30                    |
|                                      | CO, NH <sub>3</sub>                                                 | 3            | 30                    |
| Wednesday afternoon<br>July 17, 2024 | <u>DVR Unit 2; Base Load</u>                                        |              |                       |
|                                      | O <sub>2</sub> , CO <sub>2</sub> , H <sub>2</sub> O, Vol. Flow Rate | 3            | 30                    |
|                                      | NH <sub>3</sub>                                                     | 3            | 30                    |
| Thursday<br>July 18, 2024            | <u>DVR Unit 2; Maximum Load</u>                                     |              |                       |
|                                      | O <sub>2</sub> , CO, NO <sub>x</sub>                                | 9 (up to 12) | 21                    |
|                                      | TPM for PM <sub>10</sub>                                            | 3            | 120                   |
|                                      | POC, NH <sub>3</sub>                                                | 3            | 30                    |
|                                      | CO <sub>2</sub> , H <sub>2</sub> O, Vol. Flow Rate                  | w/ TPM       | 120                   |
|                                      | Fuel Samples (for SO <sub>2</sub> etc.)                             | 3            | Grab                  |
| Friday morning<br>July 19, 2024      | <u>DVR Unit 2; Minimum Load</u>                                     |              |                       |
|                                      | O <sub>2</sub> , CO <sub>2</sub> , H <sub>2</sub> O, Vol. Flow Rate | 3            | 30                    |
|                                      | CO, NH <sub>3</sub>                                                 | 3            | 30                    |

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

This report presents the test results and supporting data, descriptions of the testing procedures, descriptions of the facility and sampling locations, and a summary of the quality assurance procedures used by Montrose. The average emission test results are summarized and compared to their respective permit limits in Tables 1-2 through 1-6. The RA test results are summarized in Table 1-7. Detailed results for individual test runs can be found in Section 4.0. All supporting data can be found in the appendices.

The testing was conducted by the Montrose personnel listed in Table 1-8. The tests were conducted according to the test notification (protocol) dated June 26, 2024 that was submitted to

and approved by the Bay Area Air Quality Management District (BAAQMD). NST-9563 and 9564 were issued by the BAAQMD for this test program.

**TABLE 1-2**  
**SUMMARY OF AVERAGE COMPLIANCE RESULTS**  
**UNITS 1 (S-1/2) & 2 (S-3/4), MAXIMUM LOAD**  
**JULY 16 & 18, 2024**

| Parameter                          | Unit 1 (S-1/2) | Unit 2 (S-3/4) | Permit Limit |
|------------------------------------|----------------|----------------|--------------|
| <b>Date:</b>                       | 7/16/24        | 7/18/24        | --           |
| <b>Process Data:</b>               |                |                |              |
| Heat input, MMBtu/hr               | 564.6          | 561.1          | --           |
| Fuel flow rate, scfh               | 537,713        | 534,337        | --           |
| Power generation, MW               | 72             | 71             | --           |
| Fuel sulfur, gr/100scf             | 0.140          | 0.193          | --           |
| <b>Flue Gas:</b>                   |                |                |              |
| O <sub>2</sub> , % volume dry      | 13.1           | 12.9           | --           |
| CO <sub>2</sub> , % volume dry     | 4.5            | 4.6            | --           |
| Volumetric flow rate, dscfm        | 212,332        | 206,439        | --           |
| <b>CO Emissions:</b>               |                |                |              |
| ppm volume dry                     | 1.2            | 1.2            | --           |
| ppm @ 15% O <sub>2</sub>           | 0.9            | 0.9            | 4.0          |
| lb/hr                              | 1.1            | 1.1            | 5.47         |
| <b>NO<sub>x</sub> Emissions:</b>   |                |                |              |
| ppm volume dry                     | 2.5            | 2.5            | --           |
| ppm @ 15% O <sub>2</sub>           | 1.9            | 1.8            | 2.0          |
| lb/hr                              | 3.8            | 3.6            | 4.49         |
| <b>SO<sub>2</sub> Emissions:</b>   |                |                |              |
| lb/hr as SO <sub>2</sub>           | 0.21           | 0.29           | 0.41         |
| lb/MMBtu                           | 0.0004         | 0.0005         | 0.000676     |
| <b>POC Emissions (as Methane):</b> |                |                |              |
| ppmvd                              | 2.0 ±1         | 2.0 ±1         | --           |
| ppmvd @ 15% O <sub>2</sub>         | 1.5 ±0.8       | 1.5 ±0.8       | 2.0          |
| lb/hr                              | 1.0 ±0.5       | 1.0 ±0.5       | 1.56         |
| lb/MMBtu                           | 0.0019 ±0.0005 | 0.0019 ±0.0005 | 0.00255      |

**TABLE 1-3**  
**SUMMARY OF AVERAGE COMPLIANCE RESULTS**  
**UNITS 1 (S-1/2) & 2 (S-3/4), MAXIMUM LOAD**  
**JULY 16 & 18, 2024**

| Parameter                      | Unit 1 (S-1/2) | Unit 2 (S-3/4) | Permit Limit     |
|--------------------------------|----------------|----------------|------------------|
| <b>Date:</b>                   | 7/16/24        | 7/18/24        | --               |
| <b>Process Data:</b>           |                |                |                  |
| Heat input, MMBtu/hr           | 566.4          | 561.9          | --               |
| Power generation, MW           | 72             | 71             | --               |
| <b>Flue Gas:</b>               |                |                |                  |
| O <sub>2</sub> , % volume dry  | 13.1           | 12.8           | --               |
| CO <sub>2</sub> , % volume dry | 4.5            | 4.6            | --               |
| flue gas temperature, °F       | 234            | 240            | --               |
| moisture content, % volume     | 12.2           | 12.4           |                  |
| volumetric flow rate, dscfm    | 206,835        | 246,347        |                  |
| <b>PM Emissions:</b>           |                |                |                  |
| gr/dscf                        | 0.0004         | 0.0004         | --               |
| tolerance, gr/dscf             | ± 0.0004       | ± 0.0004       |                  |
| lb/hr                          | 0.7            | 0.8            | 4.3 <sup>1</sup> |
| lb/day                         | 15             | 18             | --               |

Notes: <sup>1</sup> Limit applies when duct burners are on.

**TABLE 1-4**  
**SUMMARY OF AVERAGE COMPLIANCE RESULTS**  
**UNITS 1 (S-1/2) & 2 (S-3/4)**  
**JULY 15-19, 2024**

| Parameter                        | Unit 1 (S-1/2) | Unit 2 (S-3/4) | Permit Limit |
|----------------------------------|----------------|----------------|--------------|
| <b>MIN LOAD</b>                  |                |                |              |
| <b>Process Data:</b>             |                |                |              |
| Heat input, MMBtu/hr             | 276.8          | 280.7          | --           |
| Fuel flow rate, scfh             | 263,610        | 267,300        | --           |
| Power generation, MW             | 33.0           | 33.0           | --           |
| <b>Flue Gas:</b>                 |                |                |              |
| O <sub>2</sub> , % volume dry    | 15.7           | 15.6           | --           |
| Volumetric flow rate, dscfm      | 158,103        | 157,219        | --           |
| <b>NH<sub>3</sub> Emissions:</b> |                |                |              |
| ppm volume dry                   | 2.8            | 2.8            | --           |
| ppm @ 15% O <sub>2</sub>         | 3.2            | 3.2            | 10           |
| <b>BASE LOAD</b>                 |                |                |              |
| <b>Process Data:</b>             |                |                |              |
| Heat input, MMBtu/hr             | 473.6          | 468.8          | --           |
| Fuel flow rate, scfh             | 451,057        | 446,450        | --           |
| Power generation, MW             | 63             | 61             | --           |
| <b>Flue Gas:</b>                 |                |                |              |
| O <sub>2</sub> , % volume dry    | 14.4           | 14.3           | --           |
| Volumetric flow rate, dscfm      | 215,413        | 210,851        | --           |
| <b>NH<sub>3</sub> Emissions:</b> |                |                |              |
| ppm volume dry                   | 4.7            | 3.8            | --           |
| ppm @ 15% O <sub>2</sub>         | 4.3            | 3.5            | 10           |
| <b>MAX LOAD</b>                  |                |                |              |
| <b>Process Data:</b>             |                |                |              |
| Heat input, MMBtu/hr             | 564.6          | 561.1          | --           |
| Fuel flow rate, scfh             | 537,713        | 534,337        | --           |
| Power generation, MW             | 72             | 71             | --           |
| <b>Flue Gas:</b>                 |                |                |              |
| O <sub>2</sub> , % volume dry    | 13.1           | 12.9           | --           |
| Volumetric flow rate, dscfm      | 212,332        | 206,439        | --           |
| <b>NH<sub>3</sub> Emissions:</b> |                |                |              |
| ppm volume dry                   | 3.3            | 3.5            | --           |
| ppm @ 15% O <sub>2</sub>         | 2.5            | 2.5            | 10           |

**TABLE 1-5**  
**SUMMARY OF AMMONIA CORRECTION FACTOR RESULTS**  
**UNITS 1 (S-1/2) & 2 (S-3/4)**  
**JULY 15-19, 2024**

| Parameter                          | Unit 1 (S-1/2) | Unit 2 (S-3/4) |
|------------------------------------|----------------|----------------|
| <b>Ammonia Correction Factors:</b> |                |                |
| Min load                           | 0.249          | 0.352          |
| Base load                          | 0.370          | 0.357          |
| Max load                           | 0.195          | 0.228          |

**TABLE 1-6**  
**SUMMARY OF AVERAGE COMPLIANCE RESULTS**  
**UNITS 1 (S-1/2) & 2 (S-3/4), MINIMUM LOAD**  
**JULY 17 & 19, 2024**

| Parameter                      | Unit 1 (S-1/2) | Unit 2 (S-3/4) | Permit Limit |
|--------------------------------|----------------|----------------|--------------|
| <b>Process Data:</b>           |                |                |              |
| Heat input, MMBtu/hr           | 276.8          | 280.7          | --           |
| Fuel flow rate, kscfh          | 263,610        | 267,300        | --           |
| Power generation, MW           | 33.0           | 33.0           | --           |
| <b>Flue Gas:</b>               |                |                |              |
| O <sub>2</sub> , % volume dry  | 15.7           | 15.6           | --           |
| CO <sub>2</sub> , % volume dry | 3.0            | 3.1            | --           |
| volumetric flow rate, dscfm    | 158,103        | 157,219        | --           |
| <b>CO Emissions:</b>           |                |                |              |
| ppm volume dry                 | 1.1            | 0.7            | --           |
| ppm @ 15% O <sub>2</sub>       | 1.2            | 0.7            | 4.0          |
| lb/hr                          | 0.74           | 0.4            | 5.47         |
| lb/MMBtu                       | 0.0027         | 0.0016         | --           |

**TABLE 1-7**  
**SUMMARY OF PART 60/75 RA TEST RESULTS -**  
**UNITS 1 (S-1/2) & 2 (S-3/4)**  
**JULY 16 & 18, 2024**

| CEMS Parameter                         | Unit 1<br>Results | Unit 2<br>Results | Performance<br>Specification |         | Performance<br>Specification<br>Incentive Program |
|----------------------------------------|-------------------|-------------------|------------------------------|---------|---------------------------------------------------|
|                                        |                   |                   | Part 60                      | Part 75 |                                                   |
| <b>Outlet O<sub>2</sub> Analyzer:</b>  |                   |                   |                              |         |                                                   |
| % volume dry                           | 0.1 <sup>a</sup>  | 0.1 <sup>a</sup>  | 1.0                          | 1.0     | 0.7                                               |
| <b>Outlet NO<sub>x</sub> Analyzer:</b> |                   |                   |                              |         |                                                   |
| ppm volume dry                         | 3.9 <sup>b</sup>  | 5.4 <sup>b</sup>  | 20                           | --      | --                                                |
| ppm @ 15% O <sub>2</sub>               | 4.3 <sup>b</sup>  | 3.2 <sup>b</sup>  | 20                           | --      | --                                                |
| lb/hr as NO <sub>2</sub>               | 7.4 <sup>b</sup>  | 8.3 <sup>b</sup>  | 20                           | --      | --                                                |
| lb/MMBtu as NO <sub>2</sub>            | 4.9 <sup>b</sup>  | 5.2 <sup>b</sup>  | 20                           | --      | --                                                |
| lb/MMBtu as NO <sub>2</sub>            | <0.1 <sup>b</sup> | 5.3 <sup>b</sup>  | --                           | 10.0    | 7.5                                               |
| <br>Bias Adjustment Factor             | 1.000             | 1.000             | --                           | --      | --                                                |
| Load, MW                               | 73                | 71                | --                           | --      | --                                                |
| <b>Outlet CO Analyzer:</b>             |                   |                   |                              |         |                                                   |
| ppm volume dry                         | 0.1 <sup>e</sup>  | 0.1 <sup>e</sup>  | 5                            | --      | --                                                |
| ppm @ 15% O <sub>2</sub>               | 2.3 <sup>c</sup>  | 0.1 <sup>e</sup>  | 5                            | --      | --                                                |
| lb/hr                                  | 1.7 <sup>c</sup>  | 0.9 <sup>c</sup>  | 5                            | --      | --                                                |

Note: Compliance with Part 75 NO<sub>x</sub> accuracy is based on lb/MMBtu, not ppm or lb/hr.  
The RATA test results are calculated based on the best 9 of the available test runs performed.

<sup>a</sup> % O<sub>2</sub> (based on actual difference between analyzer readings).

<sup>b</sup> % of the mean value of the RM test data.

<sup>c</sup> % of the applicable standard (emission limit).

<sup>d</sup> absolute difference between the RM and CEMS

<sup>e</sup> absolute difference (in terms of either ppm or the equivalent in lb/hr) between the RM and CEMS plus the confidence coefficient

<sup>f</sup> actual difference between analyzer readings (alternate if lb/MMBtu does not pass 10% criteria).

## 1.2 KEY PERSONNEL

A list of project participants is included below:

### Facility Information

|                  |                                                                                                              |                           |
|------------------|--------------------------------------------------------------------------------------------------------------|---------------------------|
| Source Location: | Silicon Valley Power<br>Donald Von Raesfeld Power Plant<br>850 Duane Avenue<br>Santa Clara, California 95054 |                           |
| Project Contact: | Melissa Meslo                                                                                                | Valentina Guzman          |
| Role:            | Staff Aide II                                                                                                | Electric Division Manager |
| Company:         | Silicon Valley Power                                                                                         | Silicon Valley Power      |
| Telephone:       | 408-497-4485                                                                                                 | 408-615-6633              |
| Email:           | MMeslo@SantaClaraCA.gov                                                                                      | vguzman@svpower.com       |

### Agency Information

|                    |                                          |                    |
|--------------------|------------------------------------------|--------------------|
| Regulatory Agency: | Bay Area Air Quality Management District |                    |
| Agency Contact:    | Marco Hernandez                          | Gloria Espena      |
| Telephone:         | 415-749-5112                             | 415-749-4725       |
| Email:             | MHernandez@baaqmd.com                    | GEspena@baaqmd.gov |

### Testing Company Information

|               |                                    |                          |
|---------------|------------------------------------|--------------------------|
| Testing Firm: | Montrose Air Quality Services, LLC |                          |
| Contact:      | Nishad Patel                       | Kevin Crosby             |
| Title:        | Client Project Manager             | VP, Technical            |
| Telephone:    | 925-470-4504                       | 925-680-4337             |
| Email:        | npatel@montrose-env.com            | kcrosby@montrose-env.com |

### Laboratory Information

|              |                                         |
|--------------|-----------------------------------------|
| Laboratory:  | Antioch MAQS                            |
| City, State: | Antioch, CA                             |
| Method:      | EPA 5/202, BAAQMD ST-1B                 |
| Laboratory:  | Enthalpy Analytical                     |
| City, State: | Orange, CA                              |
| Methods:     | EPA 18/18M (TO-12)                      |
| Laboratory:  | Atmospheric Analysis & Consulting, Inc. |
| City, State: | Ventura, CA                             |
| Methods:     | ASTM D-3588, & D-5504                   |

Test personnel and observers are summarized in Table 1-8.

**TABLE 1-8**  
**TEST PERSONNEL AND OBSERVERS**

| <b>Name</b>                          | <b>Affiliation</b> | <b>Role/Responsibility</b>            |
|--------------------------------------|--------------------|---------------------------------------|
| Nishad Patel                         | Montrose           | Project Manager/Trailer operator      |
| Edgar Garcia<br>Christopher Alvarado | Montrose           | Sample train operator/Project support |
| Gabriella Gomez                      | Montrose           | Sample recovery                       |
| Dan Duncan                           | Montrose           | Calculations and report preparation   |
| Melissa Meslo                        | SV Power           | Observer/Test Coordinator             |
| Justin Webb                          | SV Power           | Observer                              |
| None                                 | BAAQMD             | Observer                              |

## 2.0 PLANT AND SAMPLING LOCATION DESCRIPTIONS

### 2.1 PROCESS DESCRIPTION, OPERATION, AND CONTROL EQUIPMENT

The SVP DVR Power Plant is located at 850 Duane Avenue, in Santa Clara, California. The facility includes two 473.7 MMBtu/hr General Electric LM6000 PC Sprint turbine engines, each with a 136.9 MMBtu/hr heat recovery steam generator (HSRG).

### 2.2 CEMS DESCRIPTION

All flue gas pollutant and diluent measurements are made on a dry basis. Effluent gas from the sampling location is filtered and transported through a heated sample line to the sample conditioning system in the main analyzer cabinet. The sample conditioning system again filters the effluent gas and a chilled condenser removes the moisture. The dry, particulate-free effluent gas is then routed to the analyzers. The analog outputs of the analyzers and certain plant inputs are transmitted to a system controller.

The units operate in combined cycle mode and are equipped with water injection and selective catalytic reduction (SCR) systems for emissions control. Two dry extractive continuous emissions monitoring systems (CEMS) measure O<sub>2</sub>, CO and NO<sub>x</sub> emissions at the stack of each unit. O<sub>2</sub> and NO<sub>x</sub> concentrations are also measured at the SCR inlet to provide process data. Detailed information for each analyzer is provided in Table 2-1 below.

The CEMS analyzers are presented in Table 2-1.

**TABLE 2-1  
CEMS INFORMATION**

| Analyzer Type         | Manufacturer      | Model No. | Range | Serial No. |
|-----------------------|-------------------|-----------|-------|------------|
| <b>Unit #1:</b>       |                   |           |       |            |
| SCR NO <sub>x</sub>   | Thermo Scientific | 42iQ LS   | 0-100 | 1192494172 |
| SCR CO                | Thermo Scientific | 48iQ      | 0-100 | 1192494174 |
| Stack NO <sub>x</sub> | Thermo Scientific | 42iQ LS   | 0-100 | 1192494171 |
| Stack CO              | Thermo Scientific | 48iQ      | 0-100 | 1192494173 |
| <b>Unit #2:</b>       |                   |           |       |            |
| SCR NO <sub>x</sub>   | Thermo Scientific | 42iQ LS   | 0-100 | 1192494168 |
| SCR CO                | Thermo Scientific | 48iQ      | 0-100 | 1192494169 |
| Stack NO <sub>x</sub> | Thermo Scientific | 42iQ LS   | 0-100 | 1192494167 |
| Stack CO              | Thermo Scientific | 48iQ      | 0-100 | 1192494170 |

### 2.3 FLUE GAS SAMPLING LOCATIONS

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

**TABLE 2-2  
SAMPLING LOCATIONS**

| Sampling Location         | Stack Inside Diameter (in.) | Distance from Nearest Disturbance |                             | Number of Traverse Points              |
|---------------------------|-----------------------------|-----------------------------------|-----------------------------|----------------------------------------|
|                           |                             | Downstream EPA "B" (in./dia.)     | Upstream EPA "A" (in./dia.) |                                        |
| Units 1 & 2 Exhaust Ducts | 120                         | 340 / 2.8                         | 74 / 0.6                    | Isokinetic: 24 (6/port);<br>Gaseous: 3 |

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

## 2.4 OPERATING CONDITIONS AND PROCESS DATA

Emission tests were performed while the source/units and air pollution control devices were operating at the conditions required by the permit. The units were tested when operating at greater than 90% capacity.

Plant personnel established the test conditions and collected all applicable unit-operating data. Montrose monitored the collection of process data and provided additional data collection as necessary to document operation. Data collected includes the following parameters:

- Plant CEMS data
- Fuel flow rate
- Fuel meter calibration data
- Heat input rate

### **3.0 SAMPLING AND ANALYTICAL PROCEDURES**

#### **3.1 TEST METHODS**

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

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

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

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

EPA Method 2 is used to measure the gas velocity using an S-type pitot tube connected to a pressure measurement device, and to measure the gas temperature using a calibrated thermocouple connected to a thermocouple indicator. The measurements were made at traverse points specified by EPA Method 1. The molecular weight of the gas stream was determined from independent measurements of O<sub>2</sub>, CO<sub>2</sub>, and moisture. The stack gas volumetric flow rate was calculated using the measured average velocity head, the area of the duct at the measurement plane, the measured average temperature, the measured duct static pressure, the molecular weight of the gas stream, and the measured moisture.

Pertinent information regarding the performance of the method is presented below:

- Method Options:
  - o S-type pitot tube coefficient was 0.84
- Quality control procedures for this method included:
  - o Pre- and post-test leak checks of the pitot tube lines
  - o Pitot tubes are examined before and after each use to confirm that they were in alignment
  - o Stack gas temperatures thermocouples are checked using EPA Alternate Method 011 (ALT-011). A single-point calibration was performed using a NIST-traceable thermometer. Temperatures must agree within  $\pm 2^{\circ}\text{F}$ .

##### **3.1.3 EPA Method 4, Determination of Moisture Content in Stack Gas**

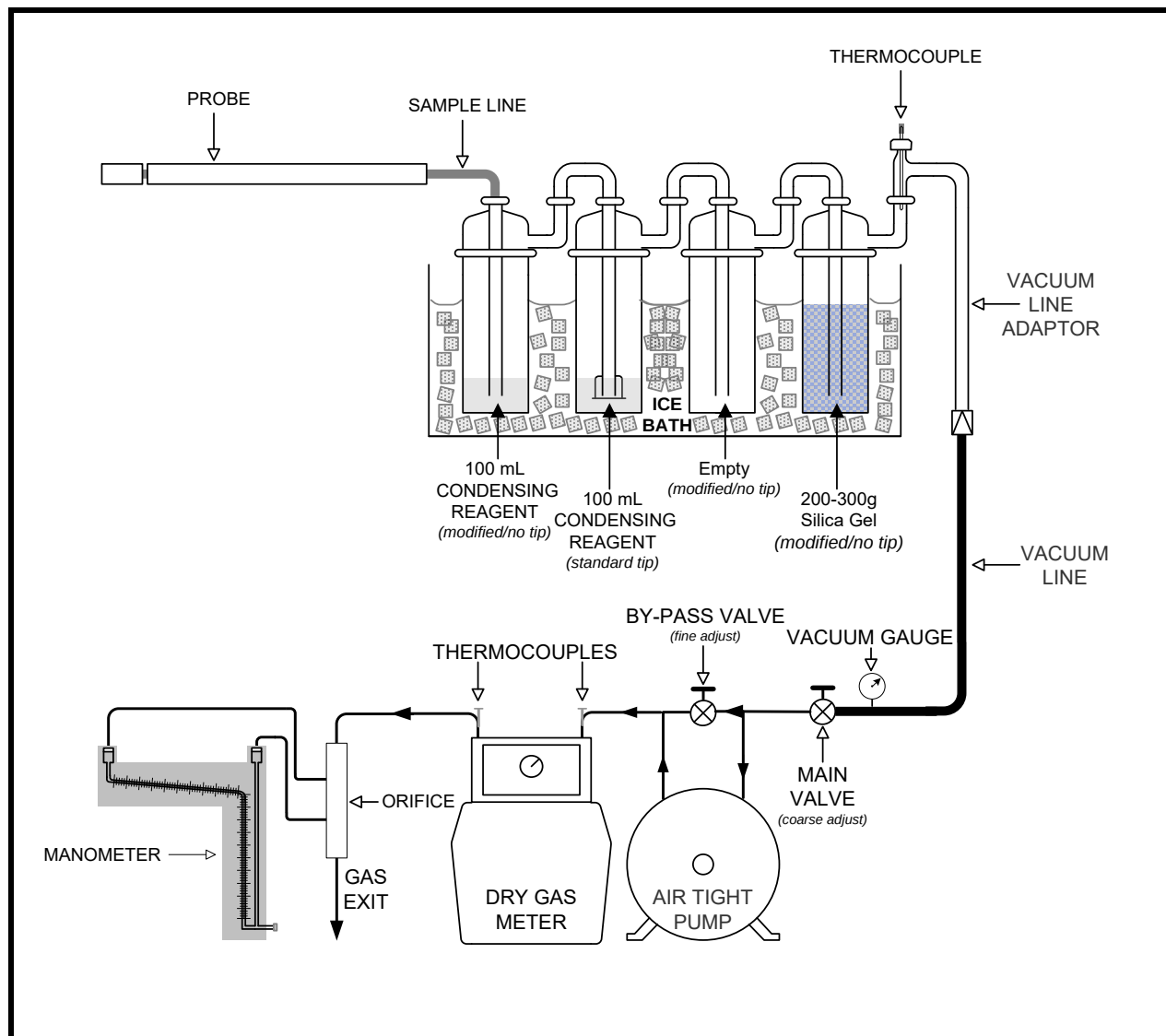
Stack gas moisture content was determined using EPA Method 4 in conjunction with every particulate test run/wet chemical test run. Moisture was removed using a series of pre-weighed impingers containing methodology-specific liquids and silica gel immersed in an ice water bath. The impingers were weighed after each run to determine the percent moisture.

Pertinent information regarding the performance of the method is presented below:

- Method Options:
  - o Condensed water was measured gravimetrically
  - o Moisture sampling was performed as part of the pollutant sample trains

The typical sampling system is detailed in Figure 3-1.

**FIGURE 3-1**  
**EPA METHOD 4(DETACHED) SAMPLING TRAIN**



### **3.1.4 EPA Method 19, Determination of Particulate Matter, Sulfur Dioxide, and Nitrogen Oxide Emission Rates**

EPA Method 19 is a manual method used to determine PM, SO<sub>2</sub>, and NO<sub>x</sub> emission rates. This method provided data reduction procedures, but does not include any sample collection or analysis procedures.

EPA Method 19 was also used to calculate mass emission rates in units of lb/MMBtu. EPA Method 19, Table 19-2 contains a list of assigned fuel factors for different types of fuels, which can be used for these calculations.

Pertinent information regarding the performance of the method is presented below:

- Method Options:
  - o F factor is the oxygen-based F factor, dry basis (F<sub>d</sub>)
  - o F factor is the published source-based F factor in EPA Method 19, Table 19
  - o Heat Input Data: Heat input data supplied by client DAS
  - o Higher Heating Value Source: Supplied by client

### **3.1.5 Gaseous Emissions (EPA Methods 3A, 7E, and 10)**

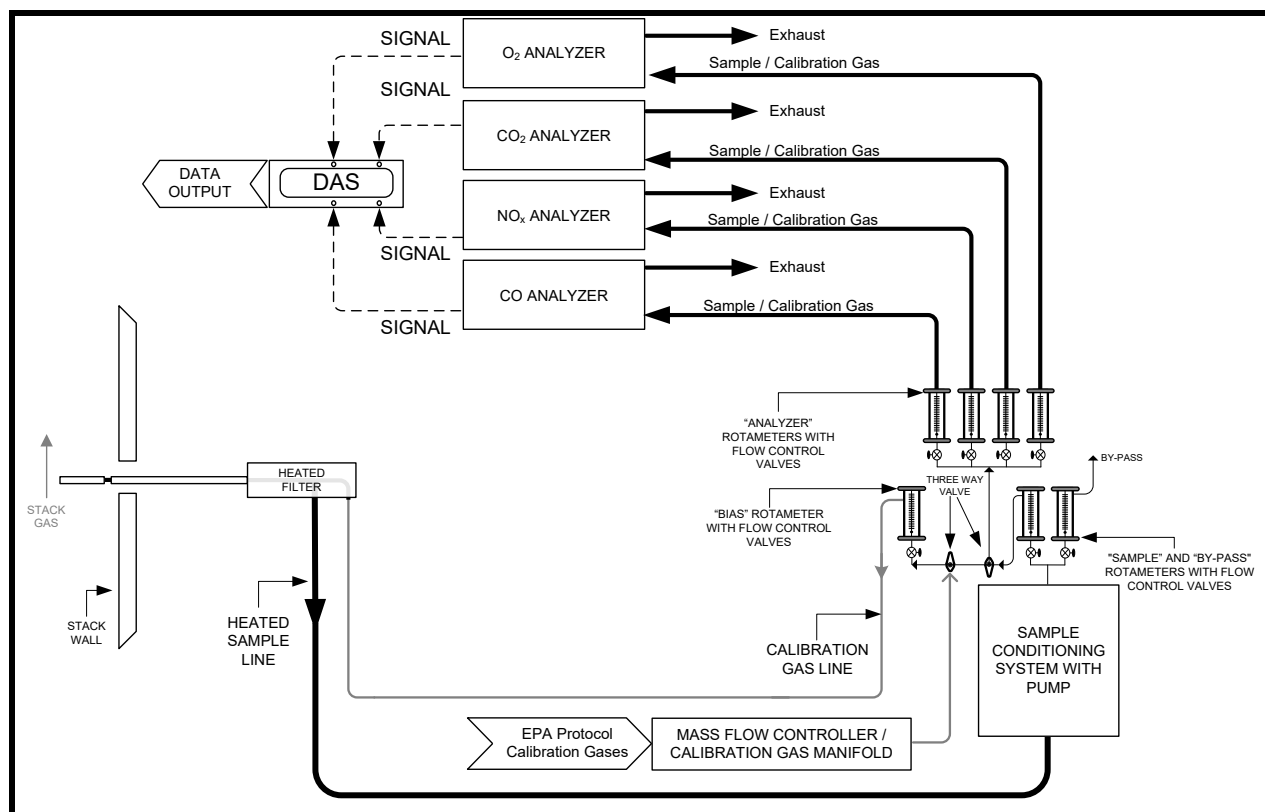
Concentrations of O<sub>2</sub>, CO<sub>2</sub>, NO<sub>x</sub>, and CO were measured simultaneously using EPA Methods 3A, 7E, and 10, which are instrumental test methods. Conditioned gas was sent to a series of analyzers to measure the gaseous emission concentrations. The performance requirements of the method were met to validate the data.

Pertinent information regarding the performance of the method is presented below:

- Method Options:
  - o No filter is used since low PM is expected
  - o A dry extractive sampling system is used to report emissions on a dry basis
  - o A paramagnetic analyzer is used to measure O<sub>2</sub>
  - o A nondispersive infrared analyzer is used to measure CO<sub>2</sub>
  - o A chemiluminescent analyzer is used to measure NO<sub>x</sub>
  - o A gas filter correlation nondispersive infrared analyzer is used to measure CO
  - o Calibration span values are 25% O<sub>2</sub>, 10% CO<sub>2</sub>, 6 ppmvd NO<sub>x</sub>, and 10 ppmvd CO

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

**FIGURE 3-2**  
**EPA METHODS 3A (O<sub>2</sub>/CO<sub>2</sub>), 7E, 10 SAMPLING**



### 3.1.6 EPA Method 5/202, Determination of Particulate Matter from Stationary Sources

Emissions of total particulate matter (PM) were measured using a combination of EPA Methods 5 and 202.

EPA Method 5 is a manual, isokinetic method used to measure FPM emissions. The samples were analyzed gravimetrically. This method was performed in conjunction with EPA Methods 1 through 4. The stack gas was sampled through a nozzle, probe, filter, and impinger train. FPM results are reported in emission concentration and emission rate units.

The CPM was collected in dry impingers after filterable PM has been collected on a filter maintained as specified in either Method 5 of Appendix A-3 to 40 CFR 60, Method 17 of Appendix A-6 to 40 CFR 60, or Method 201A of Appendix M to 40 CFR 51. The organic and aqueous fractions of the impingers and an out-of-stack CPM filter were then taken to dryness and weighed. The total of the impinger fractions and the CPM filter represents the CPM. Compared to the version of Method 202 that was promulgated on December 17, 1991, this method eliminates the use of water as the collection media in impingers and includes the addition of a condenser followed by a water dropout impinger immediately after the final in-stack or heated filter. This method also includes the addition of one modified Greenburg Smith impinger (backup impinger) and a CPM filter following the water dropout impinger.

CPM was collected in the water dropout impinger, the modified Greenburg Smith impinger, and the CPM filter of the sampling train as described in this method. The impinger contents were purged with nitrogen immediately after sample collection to remove dissolved SO<sub>2</sub> gases from the impinger. The CPM filter was extracted with water and hexane. The impinger solution was then extracted with hexane. The organic and aqueous fractions were dried and the residues are weighed. The total of the aqueous and organic fractions represents the CPM.

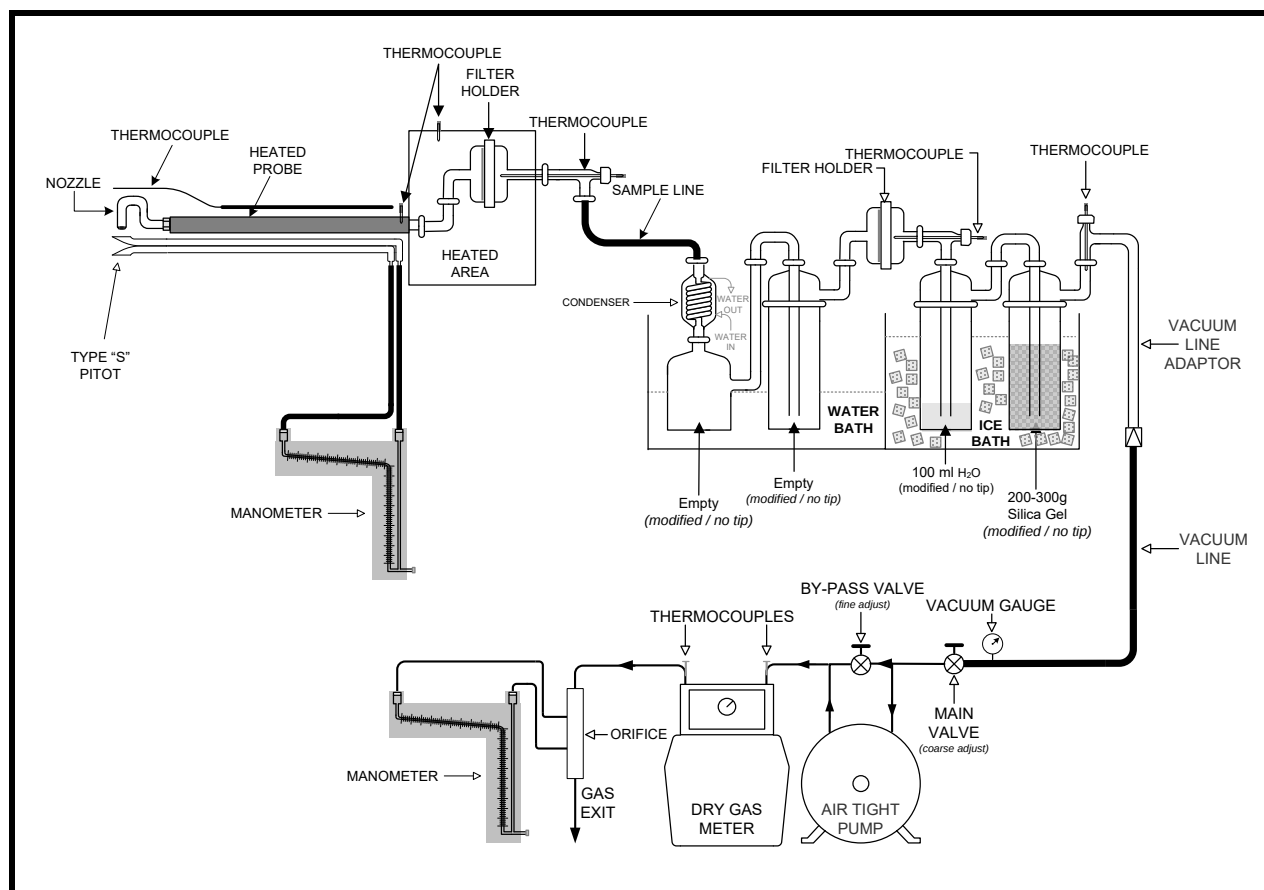
The potential artifacts from SO<sub>2</sub> were reduced using a condenser and water dropout impinger to separate CPM from reactive gases. No water was added to the impingers prior to the start of sampling. To improve the collection efficiency of CPM, an additional filter (the “CPM filter”) was placed between the second and third

Pertinent information regarding the performance of the method is presented below:

- Method Options:
  - o As an alternative to baking glassware, a field train proof blank sample was recovered
  - o The post-test nitrogen purge was performed by passing nitrogen through the train under pressure
  - o Condensed water was measured gravimetrically
- Method Exceptions:
  - o N/A
- Target Sample Duration: 120 minutes
- Target Sample Volume: 66 dscf
- Analytical Laboratory: Montrose – Antioch, CA

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

**FIGURE 3-3  
EPA METHOD 5/202 (DETACHED) SAMPLING TRAIN**



### 3.1.7 Bay Area AQMD Method ST-1B, Ammonia Integrated Sampling

BAAQMD ST-1B is a manual, non-isokinetic method used to measure ammonia emissions. The stack gas was sampled through a glass probe and a Greenberg-Smith impinger train consisting of four impingers. The first two impingers were filled with a solution of 0.1 normal (0.1N) hydrochloric acid which absorbed the ammonia. The third impinger was empty. A final impinger contains silica gel to ensure the stack gas was dry before entering the test meter. The method specifies the use of an ion selective electrode (ISE) to detect ammonia in the samples.

Pertinent information regarding the performance of the method is presented below:

- Method Options:
  - o N/A
- Method Exceptions:
  - o N/A
- Target Sample Duration: 30 minutes
- Maximum Sample Rate: 0.75 cfm
- Analytical Laboratory: Montrose, Antioch, CA

### **3.1.8 EPA Method 18, Measurement of Precursor Organic Gases, Methane and Ethane Emissions by Gas Chromatography**

EPA Method 18 is used to measure gaseous organic compounds from stationary sources. The major organic components of a gas mixture were separated by gas chromatography (GC) and are individually quantified using a flame ionization detector (FID), photoionization detector (PID), electron capture detector (ECD), or other appropriate detection principles. The retention times of each separated component were compared with those of known compounds under identical conditions. The GC analyst confirmed the identity and approximate concentrations of the organic emission components beforehand. With this information, the analyst then prepared or purchased commercially available standard mixtures to calibrate the GC under conditions identical to those of the samples. The analyst also determined the need for sample dilution to avoid detector saturation, gas stream filtration to eliminate particulate matter, and prevention of moisture condensation.

Pertinent information regarding the performance of the method is presented below:

- Method Exceptions:
  - o No pre-survey samples were collected. The sampling and analysis techniques of EPA Compendium Method TO-12 were used as a protocol for Method 18 in order to provide low detection limits
    - o Kevin Crosby and Marco Hernandez had a conversation on July 27, 2020 about the technical approach for measurement of POC emissions in this case. Mr. Hernandez agreed verbally that the test team may sample into canisters for analysis using EPA Method TO-12 to determine compliance with the permit limits for the DVR Power Plant.
- Sampling Media: Samples were collected in Summa Canisters
- Target Analytes: Methane, Ethane, Total non-methane, non-ethane hydrocarbons excluding exempt compounds as defined by BAAQMD
- Target Sample Duration: 30 minutes
- Analytical Laboratory: Analysis & Consulting, Inc. - Ventura, CA

### **3.1.9 EPA Performance Specification 3, Specifications and Test Procedures for O<sub>2</sub> Continuous Monitoring Systems in Stationary Sources**

This specification is for evaluating acceptability of O<sub>2</sub> continuous emission monitoring systems (CEMS) at the time of installation or soon after and whenever specified in an applicable subpart of the regulations. This specification applies to O<sub>2</sub> monitors that are not included under Performance Specification 2 (PS 2).

Pertinent information regarding the performance of the method is presented below:

- Method Options:
  - o N/A
- Method Exceptions:
  - o N/A

### **3.1.10 EPA Performance Specification 2, Specifications and Test Procedures for NO<sub>x</sub> for Continuous Emission Monitoring Systems in Stationary Sources**

This specification is for evaluating the acceptability of NO<sub>x</sub> continuous emission monitoring systems (CEMS) at the time of installation or soon after and whenever specified in the regulations. The CEMS may include, for certain stationary sources, a diluent (O<sub>2</sub> or CO<sub>2</sub>) monitor.

Pertinent information regarding the performance of the method is presented below:

- Method Options:
  - o N/A
- Method Exceptions:
  - o N/A

### **3.1.11 EPA Performance Specification 4A, Specifications and Test Procedures for Carbon Monoxide Continuous Emission Monitoring Systems in Stationary Sources**

This specification is for evaluating the acceptability of carbon monoxide (CO) continuous emission monitoring systems (CEMS) at the time of installation or soon after and whenever specified in an applicable subpart of the regulations. This specification was developed primarily for CEMS that comply with low emission standards (less than 200 ppmv).

Pertinent information regarding the performance of the method is presented below:

- Method Options:
  - o N/A
- Method Exceptions:
  - o N/A

### **3.1.12 ASTM Method D5504, Fuel Sulfur Emissions**

ASTM Method D5504 is an instrumental method used to measure the sulfur content in gaseous fuels. The method can be used on many types of fuels such as natural gas, digester gas, landfill gas, refinery fuel gas, and others. Sample is typically collected in a bag or evacuated canister and then shipped to a laboratory where it is analyzed using gas chromatography and appropriate detectors.

Three samples from each turbine's natural gas fuel supply pipeline were collected into Summa canisters the day of maximum load testing for each unit. The results were used with fuel flow rates in calculation of SO<sub>2</sub> emissions assuming that all fuel sulfur was converted to SO<sub>2</sub> emissions.

If a fuel sample became compromised in any way (i.e. leakage, air dilution, problems with the laboratory analysis), MAQS used the gas analysis from the other samples as both units were fed through the same fuel supply.

Pertinent information regarding the performance of the method is presented below:

- Analytical Method: ASTM D-5504

- Sample Containers: Silco lined (glass lined) Summa Canisters
- Analytical Laboratory: Atmospheric Analysis and Consulting Inc.- Ventura, CA

### **3.1.13 EPA Method ALT-009, Alternative Method 5 Post-Test Calibration**

EPA Approved Alternative Method 009 (ALT-009) is used as an alternative to a two-point post-test meter box calibration. This procedure uses a calculation to check the meter box calibration factor rather than requiring a physical post-test meter box calibration using a standard dry gas meter. The average calculated meter box percent (%) error must result in a percent error within  $\pm 5\%$  of Y. If not, a full calibration is performed, and the results are presented using the Y factor that yields the highest emissions.

### **3.1.14 EPA Method ALT-011, Alternative Method 2 Thermocouple Calibration**

EPA Approved Alternative Method 011 (ALT-011) is used as an alternative to the EPA Method 2 two-point thermocouple calibration. This procedure involves a single-point in-field check using a reference thermometer to confirm that the thermocouple system is operating properly. The temperatures of the thermocouple and reference thermometers shall agree to within  $\pm 2$  °F.

## **3.2 PROCESS TEST METHODS**

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

## **4.0 TEST DISCUSSION AND RESULTS**

### **4.1 FIELD TEST DEVIATIONS AND EXCEPTIONS**

The following field deviations or exceptions from the test plan or test methods occurred during this test program:

Some of the fuel samples had detectable concentrations of oxygen and slightly elevated concentrations of nitrogen, which has been assumed to be present due to intrusion of a small amount of air during sample collection. Therefore, stoichiometric concentrations of nitrogen due to dilution were subtracted, the remaining concentrations were normalized, and fuel statistics (e.g. Fd, HHV) were calculated based on the corrected results.

### **4.2 PRESENTATION OF RESULTS**

The average results are compared to the permit limits in Tables 1-2 through 1-6. The results of individual compliance test runs performed are presented in Tables 4-1 through 4-5 (Unit 1) and Tables 4-15 through 4-19 (Unit 2). The RA results are compared to the regulatory requirements in Table 1-7. The results of individual RATA test runs performed are presented in Tables 4-6 through 4-14 (Unit 1) and Tables 4-20 through 4-28 (Unit 2). Emissions are reported in units consistent with those in the applicable regulations or requirements. Additional information is included in the appendices as presented in the Table of Contents.

**TABLE 4-1  
PARTICULATE MATTER EMISSIONS RESULTS -  
SV POWER – DVR POWER PLANT  
TURBINE UNIT 1**

| Run Number                     | 1-PM-1    | 2-PM-1    | 3-PM-1    | Average  |
|--------------------------------|-----------|-----------|-----------|----------|
| <b>Date</b>                    | 7/16/24   | 7/16/24   | 7/16/24   | --       |
| <b>Time</b>                    | 0755-1006 | 1105-1312 | 1335-1542 | --       |
| <b>Process Data:</b>           |           |           |           |          |
| Heat input, MMBtu/hr           | 563.6     | 566.9     | 568.6     | 566.4    |
| Power generation, MW           | 72        | 72        | 73        | 72       |
| <b>Flue Gas Parameters</b>     |           |           |           |          |
| O <sub>2</sub> , % volume dry  | 13.1      | 13.1      | 13.1      | 13.1     |
| CO <sub>2</sub> , % volume dry | 4.5       | 4.5       | 4.5       | 4.5      |
| flue gas temperature, °F       | 232       | 236       | 233       | 234      |
| moisture content, % volume     | 12.5      | 12.4      | 11.6      | 12.2     |
| volumetric flow rate, dscfm    | 205,166   | 205,577   | 209,761   | 206,835  |
| <b>PM Emissions</b>            |           |           |           |          |
| gr/dscf                        | 0.0004    | 0.0004    | 0.0004    | 0.0004   |
| tolerance, gr/dscf             | ± 0.0004  | ± 0.0004  | ± 0.0004  | ± 0.0004 |
| lb/hr                          | 0.6       | 0.7       | 0.6       | 0.7      |
| lb/day                         | 15        | 16        | 15        | 15       |

Note: Heat input data is calculated based on reported fuel flow rates and the higher heating value of a fuel sample.

**TABLE 4-2**  
**CO & NH<sub>3</sub> EMISSIONS RESULTS -**  
**SV POWER – DVR POWER PLANT**  
**TURBINE UNIT 1 – MIN LOAD**

| Run Number                     | 7-NH3-1-MIN | 8-NH3-1-MIN | 9-NH3-1-MIN | Average |
|--------------------------------|-------------|-------------|-------------|---------|
| <b>Date</b>                    | 7/17/24     | 7/17/24     | 7/17/24     | --      |
| <b>Time</b>                    | 0727-0757   | 0804-0834   | 0843-0913   | --      |
| <b>Process Data:</b>           |             |             |             |         |
| Heat input, MMBtu/hr           | 276.5       | 277.0       | 276.9       | 276.8   |
| Fuel flow rate, scfh           | 263,310     | 263,770     | 263,750     | 263,610 |
| Power generation, MW           | 21.0        | 21.0        | 21.0        | 21.0    |
| <b>Flue Gas Parameters</b>     |             |             |             |         |
| O <sub>2</sub> , % volume dry  | 15.7        | 15.8        | 15.7        | 15.7    |
| CO <sub>2</sub> , % volume dry | 3.0         | 3.0         | 3.0         | 3.0     |
| volumetric flow rate, dscfm    | 156,500     | 159,529     | 158,281     | 158,103 |
| <b>CO Emissions</b>            |             |             |             |         |
| ppmvd                          | 1.1         | 1.0         | 1.1         | 1.1     |
| ppmvd @ 15% O <sub>2</sub>     | 1.3         | 1.2         | 1.2         | 1.2     |
| lb/hr                          | 0.76        | 0.71        | 0.75        | 0.74    |
| lb/MMBtu                       | 0.0028      | 0.0026      | 0.0027      | 0.0027  |
| <b>Ammonia Emissions</b>       |             |             |             |         |
| ppmvd                          | 2.8         | 3.0         | 2.8         | 2.8     |
| ppmvd @ 15% O <sub>2</sub>     | 3.2         | 3.4         | 3.2         | 3.2     |
| lb/hr                          | 1.2         | 1.3         | 1.2         | 1.2     |
| lb/MMBtu                       | 0.0043      | 0.0046      | 0.0043      | 0.0044  |

Note: Heat input data is calculated based on reported fuel flow rates and the higher heating value of a fuel sample.

**TABLE 4-3  
AMMONIA EMISSIONS RESULTS -  
SV POWER – DVR POWER PLANT  
TURBINE UNIT 1 – BASE LOAD**

| Run Number                     | 1-NH3-1-BASE | 2-NH3-1-BASE | 3-NH3-1-BASE | Average |
|--------------------------------|--------------|--------------|--------------|---------|
| <b>Date</b>                    | 7/15/24      | 7/15/24      | 7/15/24      | --      |
| <b>Time</b>                    | 1225-1255    | 1305-1335    | 1342-1412    | --      |
| <b>Process Data:</b>           |              |              |              |         |
| Heat input, MMBtu/hr           | 474.0        | 473.5        | 473.3        | 473.6   |
| Fuel flow rate, scfh           | 451,430      | 450,990      | 450,750      | 451,057 |
| Power generation, MW           | 63           | 63           | 63           | 63      |
| <b>Flue Gas Parameters</b>     |              |              |              |         |
| O <sub>2</sub> , % volume dry  | 14.4         | 14.4         | 14.4         | 14.4    |
| CO <sub>2</sub> , % volume dry | 3.8          | 3.8          | 3.8          | 3.8     |
| volumetric flow rate, dscfm    | 215,592      | 215,381      | 215,267      | 215,413 |
| <b>Ammonia Emissions</b>       |              |              |              |         |
| ppmvd                          | 4.3          | 5.1          | 4.8          | 4.7     |
| ppmvd @ 15% O <sub>2</sub>     | 3.9          | 4.7          | 4.3          | 4.3     |
| lb/hr                          | 2.4          | 2.9          | 2.7          | 2.7     |
| lb/MMBtu                       | 0.0052       | 0.0063       | 0.0059       | 0.0058  |

Note: Heat input data is calculated based on reported fuel flow rates and the higher heating value of a fuel sample.

**TABLE 4-4**  
**AMMONIA, CO, NO<sub>x</sub> & SO<sub>2</sub> EMISSIONS RESULTS -**  
**SV POWER – DVR POWER PLANT**  
**TURBINE UNIT 1 – MAX LOAD**

| Run Number                      | 1-NH3-1-MAX | 2-NH3-1-MAX | 3-NH3-1-MAX | Average |
|---------------------------------|-------------|-------------|-------------|---------|
| <b>Date</b>                     | 7/16/24     | 7/16/24     | 7/16/24     | --      |
| <b>Time</b>                     | 0938-1008   | 1027-1057   | 1123-1153   | --      |
| <b>Process Data:</b>            |             |             |             |         |
| Heat input, MMBtu/hr            | 564.2       | 564.4       | 565.2       | 564.6   |
| Fuel flow rate, scfh            | 537,310     | 537,570     | 538,260     | 537,713 |
| Power generation, MW            | 72          | 72          | 72          | 72      |
| Fuel sulfur, gr/100scf          | 0.140       | 0.140       | 0.140       | 0.140   |
| <b>Flue Gas Parameters</b>      |             |             |             |         |
| O <sub>2</sub> , % volume dry   | 13.1        | 13.1        | 13.1        | 13.1    |
| CO <sub>2</sub> , % volume dry  | 4.5         | 4.5         | 4.5         | 4.5     |
| volumetric flow rate, dscfm     | 211,811     | 212,727     | 212,456     | 212,332 |
| <b>Ammonia Emissions</b>        |             |             |             |         |
| ppmvd                           | 3.0         | 3.3         | 3.5         | 3.3     |
| ppmvd @ 15% O <sub>2</sub>      | 2.3         | 2.5         | 2.6         | 2.5     |
| lb/hr                           | 1.7         | 1.8         | 1.9         | 1.8     |
| lb/MMBtu                        | 0.0031      | 0.0034      | 0.0035      | 0.0033  |
| <b>CO Emissions</b>             |             |             |             |         |
| ppmvd                           | 1.2         | 1.2         | 1.2         | 1.2     |
| ppmvd @ 15% O <sub>2</sub>      | 0.9         | 0.9         | 0.9         | 0.9     |
| lb/hr                           | 1.1         | 1.1         | 1.1         | 1.1     |
| lb/MMBtu                        | 0.0020      | 0.0020      | 0.0020      | 0.0020  |
| <b>NO<sub>x</sub> Emissions</b> |             |             |             |         |
| ppmvd                           | 2.5         | 2.7         | 2.5         | 2.5     |
| ppmvd @ 15% O <sub>2</sub>      | 1.9         | 2.0         | 1.9         | 1.9     |
| lb/hr                           | 3.7         | 4.0         | 3.8         | 3.8     |
| lb/MMBtu                        | 0.0068      | 0.0073      | 0.0068      | 0.0070  |
| <b>SO<sub>2</sub> Emissions</b> |             |             |             |         |
| ppmvd                           | 0.10        | 0.10        | 0.10        | 0.10    |
| ppmvd @ 15% O <sub>2</sub>      | 0.08        | 0.08        | 0.08        | 0.08    |
| lb/hr                           | 0.21        | 0.21        | 0.22        | 0.21    |
| lb/MMBtu                        | 0.0004      | 0.0004      | 0.0004      | 0.0004  |

Note: Heat input data is calculated based on reported fuel flow rates and the higher heating value of a fuel sample.

**TABLE 4-5  
POC EMISSIONS RESULTS -  
SV POWER – DVR POWER PLANT  
TURBINE UNIT 1 – MAX LOAD**

| Run Number                        | 1-NH3-1-MAX     | 2-NH3-1-MAX     | 3-NH3-1-MAX     | Average         |
|-----------------------------------|-----------------|-----------------|-----------------|-----------------|
| <b>Date</b>                       | 7/16/24         | 7/16/24         | 7/16/24         | --              |
| <b>Time</b>                       | 0932-1002       | 1021-1051       | 1117-1147       | --              |
| <b>Process Data:</b>              |                 |                 |                 |                 |
| Heat input, MMBtu/hr              | 564.2           | 564.4           | 565.2           | 564.6           |
| Fuel flow rate, scfh              | 537,310         | 537,570         | 538,260         | 537,713         |
| Power generation, MW              | 72              | 72              | 72              | 72              |
| <b>Flue Gas Parameters</b>        |                 |                 |                 |                 |
| O <sub>2</sub> , % volume dry     | 13.1            | 13.1            | 13.1            | 13.1            |
| CO <sub>2</sub> , % volume dry    | 4.5             | 4.5             | 4.5             | 4.5             |
| volumetric flow rate, dscfm       | 211,811         | 212,727         | 212,456         | 212,332         |
| THC as methane, ppmvd             | 3.755           | 3.937           | 2.837           | 3.510           |
| Methane, ppmvd                    | 3.754           | 3.938           | 2.836           | 3.509           |
| Ethane, ppmvd as methane          | <0.5            | <0.5            | <0.5            | <0.5            |
| <b>POC Emissions (as Methane)</b> |                 |                 |                 |                 |
| ppmvd                             | 2.0 ± 1         | 2.0 ± 1         | 2.0 ± 1         | 2.0 ± 1         |
| ppmvd @ 15% O <sub>2</sub>        | 1.5 ± 0.8       | 1.5 ± 0.8       | 1.5 ± 0.8       | 1.5 ± 0.8       |
| lb/hr                             | 1.1 ± 0.5       | 1.1 ± 0.5       | 1.1 ± 0.5       | 1.1 ± 0.5       |
| lb/MMBtu                          | 0.0019 ± 0.0005 | 0.0019 ± 0.0005 | 0.0019 ± 0.0005 | 0.0019 ± 0.0005 |

Note: Heat input data is calculated based on reported fuel flow rates and the higher heating value of a fuel sample.

**TABLE 4-6**  
**OXYGEN (PERCENT VOL. DRY) RATA RESULTS -**  
**TURBINE UNIT 1**

| Run #                           | Date    | Time      | RM    | CEMS | Difference | Run<br>Used<br>(Y or N) | Unit Load<br>(MW) |
|---------------------------------|---------|-----------|-------|------|------------|-------------------------|-------------------|
| 1                               | 7/16/24 | 0829-0910 | 13.1  | 13.0 | 0.1        | Y                       | 72                |
| 2                               | 7/16/24 | 0938-1008 | 13.1  | 13.0 | 0.1        | Y                       | 72                |
| 3                               | 7/16/24 | 1027-1057 | 13.1  | 13.0 | 0.1        | N                       | 72                |
| 4                               | 7/16/24 | 1123-1153 | 13.1  | 13.0 | 0.1        | Y                       | 72                |
| 5                               | 7/16/24 | 1203-1224 | 13.1  | 13.0 | 0.1        | Y                       | 72                |
| 6                               | 7/16/24 | 1240-1301 | 13.0  | 13.0 | 0.0        | Y                       | 73                |
| 7                               | 7/16/24 | 1307-1328 | 13.1  | 13.0 | 0.1        | Y                       | 73                |
| 8                               | 7/16/24 | 1338-1359 | 13.1  | 13.0 | 0.1        | Y                       | 73                |
| 9                               | 7/16/24 | 1406-1427 | 13.1  | 13.0 | 0.1        | Y                       | 73                |
| 10                              | 7/16/24 | 1439-1500 | 13.1  | 13.0 | 0.1        | Y                       | 73                |
| Averages                        |         |           | 13.1  | 13.0 | 0.1        |                         | 73                |
| Standard Deviation              |         |           | 0.012 |      |            |                         |                   |
| Confidence Coefficient (CC)     |         |           | 0.009 |      |            |                         |                   |
| Unit load                       |         |           | 73 MW |      |            |                         |                   |
| RA based on absolute difference |         |           | 0.1 % |      |            |                         |                   |

**TABLE 4-7  
CO (PPM VOL. DRY) RATA RESULTS -  
TURBINE UNIT 1**

| Run #                              | Date    | Time      | RM    | CEMS  | Difference | Run<br>Used<br>(Y or N) | Unit Load<br>(MW) |
|------------------------------------|---------|-----------|-------|-------|------------|-------------------------|-------------------|
| 1                                  | 7/16/24 | 0829-0910 | 1.1   | 1.1   | 0.0        | Y                       | 72                |
| 2                                  | 7/16/24 | 0938-1008 | 1.2   | 1.0   | 0.2        | N                       | 72                |
| 3                                  | 7/16/24 | 1027-1057 | 1.2   | 1.1   | 0.1        | Y                       | 72                |
| 4                                  | 7/16/24 | 1123-1153 | 1.2   | 1.1   | 0.1        | Y                       | 72                |
| 5                                  | 7/16/24 | 1203-1224 | 1.2   | 1.1   | 0.1        | Y                       | 72                |
| 6                                  | 7/16/24 | 1240-1301 | 1.2   | 1.1   | 0.1        | Y                       | 73                |
| 7                                  | 7/16/24 | 1307-1328 | 1.2   | 1.1   | 0.1        | Y                       | 73                |
| 8                                  | 7/16/24 | 1338-1359 | 1.2   | 1.1   | 0.1        | Y                       | 73                |
| 9                                  | 7/16/24 | 1406-1427 | 1.2   | 1.1   | 0.1        | Y                       | 73                |
| 10                                 | 7/16/24 | 1439-1500 | 1.2   | 1.1   | 0.1        | Y                       | 73                |
| Averages                           |         |           | 1.2   | 1.1   | 0.1        |                         | 73                |
| Standard Deviation                 |         |           | 0.024 |       |            |                         |                   |
| Confidence Coefficient (CC)        |         |           | 0.018 |       |            |                         |                   |
| Unit load                          |         |           | 73    | MW    |            |                         |                   |
| RA based on difference plus the CC |         |           | 0.1   | ppmvd |            |                         |                   |

**TABLE 4-8**  
**CO (PPM @ 15% O<sub>2</sub>) RATA RESULTS -**  
**TURBINE UNIT 1**

| Run #                       | Date    | Time      | RM    | CEMS                     | Difference | Run<br>Used<br>(Y or N) | Unit Load<br>(MW) |
|-----------------------------|---------|-----------|-------|--------------------------|------------|-------------------------|-------------------|
| 1                           | 7/16/24 | 0829-0910 | 0.87  | 0.81                     | 0.06       | Y                       | 72                |
| 2                           | 7/16/24 | 0938-1008 | 0.89  | 0.77                     | 0.12       | N                       | 72                |
| 3                           | 7/16/24 | 1027-1057 | 0.88  | 0.79                     | 0.09       | Y                       | 72                |
| 4                           | 7/16/24 | 1123-1153 | 0.89  | 0.82                     | 0.07       | Y                       | 72                |
| 5                           | 7/16/24 | 1203-1224 | 0.90  | 0.82                     | 0.08       | Y                       | 72                |
| 6                           | 7/16/24 | 1240-1301 | 0.91  | 0.82                     | 0.09       | Y                       | 73                |
| 7                           | 7/16/24 | 1307-1328 | 0.90  | 0.82                     | 0.08       | Y                       | 73                |
| 8                           | 7/16/24 | 1338-1359 | 0.91  | 0.82                     | 0.09       | Y                       | 73                |
| 9                           | 7/16/24 | 1406-1427 | 0.91  | 0.82                     | 0.09       | Y                       | 73                |
| 10                          | 7/16/24 | 1439-1500 | 0.92  | 0.82                     | 0.10       | Y                       | 73                |
| Averages                    |         |           | 0.90  | 0.82                     | 0.08       |                         | 73                |
| Applicable Standard (AS)    |         |           | 4.0   | ppm @ 15% O <sub>2</sub> |            |                         |                   |
| Standard Deviation          |         |           | 0.014 |                          |            |                         |                   |
| Confidence Coefficient (CC) |         |           | 0.011 |                          |            |                         |                   |
| Unit load                   |         |           | 73    | MW                       |            |                         |                   |
| RA based on AS              |         |           | 2.3   | %                        |            |                         |                   |

**TABLE 4-9  
CO (LB/HR) RATA RESULTS -  
TURBINE UNIT 1**

| Run #                       | Date    | Time      | RM    | CEMS  | Difference | Run<br>Used<br>(Y or N) | Unit Load<br>(MW) |
|-----------------------------|---------|-----------|-------|-------|------------|-------------------------|-------------------|
| 1                           | 7/16/24 | 0829-0910 | 1.06  | 1.00  | 0.06       | Y                       | 72                |
| 2                           | 7/16/24 | 0938-1008 | 1.09  | 0.99  | 0.10       | Y                       | 72                |
| 3                           | 7/16/24 | 1027-1057 | 1.08  | 0.99  | 0.09       | Y                       | 72                |
| 4                           | 7/16/24 | 1123-1153 | 1.09  | 1.01  | 0.08       | Y                       | 72                |
| 5                           | 7/16/24 | 1203-1224 | 1.10  | 1.01  | 0.09       | Y                       | 72                |
| 6                           | 7/16/24 | 1240-1301 | 1.12  | 1.03  | 0.09       | Y                       | 73                |
| 7                           | 7/16/24 | 1307-1328 | 1.11  | 1.03  | 0.08       | Y                       | 73                |
| 8                           | 7/16/24 | 1338-1359 | 1.12  | 1.02  | 0.10       | N                       | 73                |
| 9                           | 7/16/24 | 1406-1427 | 1.12  | 1.03  | 0.09       | Y                       | 73                |
| 10                          | 7/16/24 | 1439-1500 | 1.14  | 1.04  | 0.10       | Y                       | 73                |
| Averages                    |         |           | 1.10  | 1.01  | 0.09       |                         | 72                |
| Applicable Standard (AS)    |         |           | 5.47  | lb/hr |            |                         |                   |
| Standard Deviation          |         |           | 0.013 |       |            |                         |                   |
| Confidence Coefficient (CC) |         |           | 0.010 |       |            |                         |                   |
| Unit load                   |         |           | 72    | MW    |            |                         |                   |
| RA based on AS              |         |           | 1.7   | %     |            |                         |                   |

**TABLE 4-10**  
**NOX (PPM VOL. DRY) RATA RESULTS -**  
**TURBINE UNIT 1**

| Run #                       | Date    | Time      | RM    | CEMS | Difference | Run<br>Used<br>(Y or N) | Unit Load<br>(MW) |
|-----------------------------|---------|-----------|-------|------|------------|-------------------------|-------------------|
| 1                           | 7/16/24 | 0829-0910 | 2.6   | 2.4  | 0.2        | Y                       | 72                |
| 2                           | 7/16/24 | 0938-1008 | 2.5   | 2.4  | 0.1        | Y                       | 72                |
| 3                           | 7/16/24 | 1027-1057 | 2.7   | 2.4  | 0.3        | N                       | 72                |
| 4                           | 7/16/24 | 1123-1153 | 2.5   | 2.4  | 0.1        | Y                       | 72                |
| 5                           | 7/16/24 | 1203-1224 | 2.4   | 2.4  | 0.0        | Y                       | 72                |
| 6                           | 7/16/24 | 1240-1301 | 2.5   | 2.4  | 0.1        | Y                       | 73                |
| 7                           | 7/16/24 | 1307-1328 | 2.4   | 2.4  | 0.0        | Y                       | 73                |
| 8                           | 7/16/24 | 1338-1359 | 2.5   | 2.4  | 0.1        | Y                       | 73                |
| 9                           | 7/16/24 | 1406-1427 | 2.4   | 2.4  | 0.0        | Y                       | 73                |
| 10                          | 7/16/24 | 1439-1500 | 2.5   | 2.4  | 0.1        | Y                       | 73                |
| Averages                    |         |           | 2.5   | 2.4  | 0.1        |                         | 73                |
| Standard Deviation          |         |           | 0.052 |      |            |                         |                   |
| Confidence Coefficient (CC) |         |           | 0.040 |      |            |                         |                   |
| Unit load                   |         |           | 73 MW |      |            |                         |                   |
| RA based on mean RM value   |         |           | 3.9 % |      |            |                         |                   |

**TABLE 4-11**  
**NOX (PPM @ 15% O<sub>2</sub>) RATA RESULTS -**  
**TURBINE UNIT 1**

| Run #                       | Date    | Time      | RM    | CEMS                     | Difference | Run<br>Used<br>(Y or N) | Unit Load<br>(MW) |
|-----------------------------|---------|-----------|-------|--------------------------|------------|-------------------------|-------------------|
| 1                           | 7/16/24 | 0829-0910 | 1.93  | 1.80                     | 0.13       | Y                       | 72                |
| 2                           | 7/16/24 | 0938-1008 | 1.86  | 1.80                     | 0.06       | Y                       | 72                |
| 3                           | 7/16/24 | 1027-1057 | 2.01  | 1.80                     | 0.21       | N                       | 72                |
| 4                           | 7/16/24 | 1123-1153 | 1.87  | 1.80                     | 0.07       | Y                       | 72                |
| 5                           | 7/16/24 | 1203-1224 | 1.77  | 1.80                     | -0.03      | Y                       | 72                |
| 6                           | 7/16/24 | 1240-1301 | 1.84  | 1.80                     | 0.04       | Y                       | 73                |
| 7                           | 7/16/24 | 1307-1328 | 1.84  | 1.80                     | 0.04       | Y                       | 73                |
| 8                           | 7/16/24 | 1338-1359 | 1.84  | 1.80                     | 0.04       | Y                       | 73                |
| 9                           | 7/16/24 | 1406-1427 | 1.83  | 1.80                     | 0.03       | Y                       | 73                |
| 10                          | 7/16/24 | 1439-1500 | 1.84  | 1.80                     | 0.04       | Y                       | 73                |
| Averages                    |         |           | 1.85  | 1.80                     | 0.05       |                         | 73                |
| Applicable Standard (AS)    |         |           | 2.0   | ppm @ 15% O <sub>2</sub> |            |                         |                   |
| Standard Deviation          |         |           | 0.041 |                          |            |                         |                   |
| Confidence Coefficient (CC) |         |           | 0.032 |                          |            |                         |                   |
| Unit load                   |         |           | 73    | MW                       |            |                         |                   |
| RA based on mean RM value   |         |           | 4.3   | %                        |            |                         |                   |

**TABLE 4-12**  
**NOX (LB/HR) RATA RESULTS -**  
**TURBINE UNIT 1**

| Run #                       | Date    | Time      | RM    | CEMS  | Difference | Run<br>Used<br>(Y or N) | Unit Load<br>(MW) |
|-----------------------------|---------|-----------|-------|-------|------------|-------------------------|-------------------|
| 1                           | 7/16/24 | 0829-0910 | 3.86  | 3.94  | -0.08      | Y                       | 72                |
| 2                           | 7/16/24 | 0938-1008 | 3.75  | 3.95  | -0.20      | Y                       | 72                |
| 3                           | 7/16/24 | 1027-1057 | 4.04  | 3.95  | 0.09       | Y                       | 72                |
| 4                           | 7/16/24 | 1123-1153 | 3.76  | 3.96  | -0.20      | Y                       | 72                |
| 5                           | 7/16/24 | 1203-1224 | 3.57  | 3.96  | -0.39      | N                       | 72                |
| 6                           | 7/16/24 | 1240-1301 | 3.73  | 3.98  | -0.25      | Y                       | 73                |
| 7                           | 7/16/24 | 1307-1328 | 3.72  | 3.98  | -0.26      | Y                       | 73                |
| 8                           | 7/16/24 | 1338-1359 | 3.73  | 3.98  | -0.25      | Y                       | 73                |
| 9                           | 7/16/24 | 1406-1427 | 3.71  | 3.98  | -0.27      | Y                       | 73                |
| 10                          | 7/16/24 | 1439-1500 | 3.73  | 3.98  | -0.25      | Y                       | 73                |
| Averages                    |         |           | 3.78  | 3.97  | -0.19      |                         | 73                |
| Applicable Standard (AS)    |         |           | 4.49  | lb/hr |            |                         |                   |
| Standard Deviation          |         |           | 0.120 |       |            |                         |                   |
| Confidence Coefficient (CC) |         |           | 0.092 |       |            |                         |                   |
| Unit load                   |         |           | 73    | MW    |            |                         |                   |
| RA based on mean RM value   |         |           | 7.4   | %     |            |                         |                   |

**TABLE 4-13**  
**NOX (LB/MMBTU) PART 60 RATA RESULTS -**  
**TURBINE UNIT 1**

| Run #                       | Date    | Time      | RM      | CEMS    | Difference | Run<br>Used<br>(Y or N) | Unit Load<br>(MW) |
|-----------------------------|---------|-----------|---------|---------|------------|-------------------------|-------------------|
| 1                           | 7/16/24 | 0829-0910 | 0.007   | 0.007   | 0.000      | Y                       | 72                |
| 2                           | 7/16/24 | 0938-1008 | 0.007   | 0.007   | 0.000      | Y                       | 72                |
| 3                           | 7/16/24 | 1027-1057 | 0.007   | 0.007   | 0.000      | Y                       | 72                |
| 4                           | 7/16/24 | 1123-1153 | 0.007   | 0.007   | 0.000      | Y                       | 72                |
| 5                           | 7/16/24 | 1203-1224 | 0.006   | 0.007   | -0.001     | N                       | 72                |
| 6                           | 7/16/24 | 1240-1301 | 0.007   | 0.007   | 0.000      | Y                       | 73                |
| 7                           | 7/16/24 | 1307-1328 | 0.007   | 0.007   | 0.000      | Y                       | 73                |
| 8                           | 7/16/24 | 1338-1359 | 0.007   | 0.007   | 0.000      | Y                       | 73                |
| 9                           | 7/16/24 | 1406-1427 | 0.007   | 0.007   | 0.000      | Y                       | 73                |
| 10                          | 7/16/24 | 1439-1500 | 0.007   | 0.007   | 0.000      | Y                       | 73                |
| Averages                    |         |           | 0.00683 | 0.00700 | -0.00017   |                         | 73                |
| Standard Deviation          |         |           | 0.00021 |         |            |                         |                   |
| Confidence Coefficient (CC) |         |           | 0.00017 |         |            |                         |                   |
| Unit load                   |         |           | 73      | MW      |            |                         |                   |
| RA based on mean RM value   |         |           | 4.9     | %       |            |                         |                   |

**TABLE 4-14**  
**NOX (LB/MMBTU) PART 75 (EDR) RATA RESULTS -**  
**TURBINE UNIT 1**

| Run #                        | Date    | Time      | RM       | CEMS     | Difference | Run<br>Used<br>(Y or N) | Unit Load<br>(MW) |
|------------------------------|---------|-----------|----------|----------|------------|-------------------------|-------------------|
| 1                            | 7/16/24 | 0829-0910 | 0.007    | 0.007    | 0.000      | Y                       | 72                |
| 2                            | 7/16/24 | 0938-1008 | 0.007    | 0.007    | 0.000      | Y                       | 72                |
| 3                            | 7/16/24 | 1027-1057 | 0.007    | 0.007    | 0.000      | Y                       | 72                |
| 4                            | 7/16/24 | 1123-1153 | 0.007    | 0.007    | 0.000      | Y                       | 72                |
| 5                            | 7/16/24 | 1203-1224 | 0.006    | 0.007    | -0.001     | N                       | 72                |
| 6                            | 7/16/24 | 1240-1301 | 0.007    | 0.007    | 0.000      | Y                       | 73                |
| 7                            | 7/16/24 | 1307-1328 | 0.007    | 0.007    | 0.000      | Y                       | 73                |
| 8                            | 7/16/24 | 1338-1359 | 0.007    | 0.007    | 0.000      | Y                       | 73                |
| 9                            | 7/16/24 | 1406-1427 | 0.007    | 0.007    | 0.000      | Y                       | 73                |
| 10                           | 7/16/24 | 1439-1500 | 0.007    | 0.007    | 0.000      | Y                       | 73                |
| Averages                     |         |           | 0.007000 | 0.007000 | 0.000000   |                         | 73                |
| Standard Deviation           |         |           | 0.000000 |          |            |                         |                   |
| Confidence Coefficient (CC)  |         |           | 0.000000 |          |            |                         |                   |
| Bias Adjustment Factor (BAF) |         |           | 1.000    | units    |            |                         |                   |
| Unit load                    |         |           | 73       | MW       |            |                         |                   |
| RA based on mean RM value    |         |           | <0.1     | %        |            |                         |                   |

**TABLE 4-15**  
**PARTICULATE MATTER EMISSIONS RESULTS -**  
**SV POWER – DVR POWER PLANT**  
**TURBINE UNIT 2**

| Run Number                     | 1-PM-2    | 2-PM-2    | 3-PM-2    | Average  |
|--------------------------------|-----------|-----------|-----------|----------|
| <b>Date</b>                    | 7/18/24   | 7/18/24   | 7/18/24   | --       |
| <b>Time</b>                    | 0745-0951 | 1032-1238 | 1315-1524 | --       |
| <b>Process Data:</b>           |           |           |           |          |
| Heat input, MMBtu/hr           | 560.3     | 561.3     | 564.2     | 561.9    |
| Power generation, MW           | 71        | 71        | 71        | 71       |
| <b>Flue Gas Parameters</b>     |           |           |           |          |
| O <sub>2</sub> , % volume dry  | 12.8      | 12.9      | 12.8      | 12.8     |
| CO <sub>2</sub> , % volume dry | 4.5       | 4.6       | 4.7       | 4.6      |
| flue gas temperature, °F       | 237       | 241       | 243       | 240      |
| moisture content, % volume     | 12.1      | 12.6      | 12.7      | 12.4     |
| volumetric flow rate, dscfm    | 245,300   | 248,283   | 245,458   | 246,347  |
| <b>PM Emissions</b>            |           |           |           |          |
| gr/dscf                        | 0.0004    | 0.0004    | 0.0004    | 0.0004   |
| tolerance, gr/dscf             | ± 0.0004  | ± 0.0004  | ± 0.0004  | ± 0.0004 |
| lb/hr                          | 0.8       | 0.8       | 0.8       | 0.8      |
| lb/day                         | 19        | 18        | 18        | 18       |

Note: Power generated during the period

**TABLE 4-16**  
**AMMONIA EMISSIONS RESULTS -**  
**SV POWER – DVR POWER PLANT**  
**TURBINE UNIT 2 – MIN LOAD**

| Run Number                     | 7-NH3-2-MIN | 8-NH3-2-MIN | 9-NH3-2-MIN | Average |
|--------------------------------|-------------|-------------|-------------|---------|
| <b>Date</b>                    | 7/19/23     | 7/19/23     | 7/19/23     | --      |
| <b>Time</b>                    | 0722-0752   | 0846-0916   | 0924-0954   | --      |
| <b>Process Data:</b>           |             |             |             |         |
| Heat input, MMBtu/hr           | 282.2       | 280.0       | 279.8       | 280.7   |
| Fuel flow rate, scfh           | 268,790     | 266,640     | 266,470     | 267,300 |
| Power generation, MW           | 33.0        | 33.0        | 33.0        | 33.0    |
| <b>Flue Gas Parameters</b>     |             |             |             |         |
| O <sub>2</sub> , % volume dry  | 15.6        | 15.7        | 15.7        | 15.6    |
| CO <sub>2</sub> , % volume dry | 3.1         | 3.1         | 3.1         | 3.1     |
| volumetric flow rate, dscfm    | 156,606     | 157,725     | 157,325     | 157,219 |
| <b>CO Emissions</b>            |             |             |             |         |
| ppmvd                          | 0.8         | 0.6         | 0.6         | 0.7     |
| ppmvd @ 15% O <sub>2</sub>     | 0.9         | 0.6         | 0.6         | 0.7     |
| lb/hr                          | 0.5         | 0.4         | 0.4         | 0.4     |
| lb/MMBtu                       | 0.0020      | 0.0014      | 0.0014      | 0.0016  |
| <b>Ammonia Emissions</b>       |             |             |             |         |
| ppmvd                          | 3.0         | 2.9         | 2.6         | 2.8     |
| ppmvd @ 15% O <sub>2</sub>     | 3.3         | 3.3         | 2.9         | 3.2     |
| lb/hr                          | 1.2         | 1.2         | 1.1         | 1.2     |
| lb/MMBtu                       | 0.0045      | 0.0044      | 0.0039      | 0.0043  |

**TABLE 4-17**  
**AMMONIA EMISSIONS RESULTS -**  
**SV POWER – DVR POWER PLANT**  
**TURBINE UNIT 2 – BASE LOAD**

| Run Number                     | 1-NH3-2-BASE | 2-NH3-2-BASE | 3-NH3-2-BASE | Average |
|--------------------------------|--------------|--------------|--------------|---------|
| <b>Date</b>                    | 7/17/24      | 7/17/24      | 7/17/24      | --      |
| <b>Time</b>                    | 1020-1050    | 1056-1126    | 1132-1202    | --      |
| <b>Process Data:</b>           |              |              |              |         |
| Heat input, MMBtu/hr           | 469.0        | 468.7        | 468.7        | 468.8   |
| Fuel flow rate, scfh           | 446,640      | 446,350      | 446,360      | 446,450 |
| Power generation, MW           | 61.0         | 61.0         | 61.0         | 61.0    |
| <b>Flue Gas Parameters</b>     |              |              |              |         |
| O <sub>2</sub> , % volume dry  | 14.4         | 14.3         | 14.3         | 14.3    |
| CO <sub>2</sub> , % volume dry | 3.8          | 3.8          | 3.8          | 3.8     |
| volumetric flow rate, dscfm    | 211,155      | 210,696      | 210,701      | 210,851 |
| <b>Ammonia Emissions</b>       |              |              |              |         |
| ppmvd                          | 3.8          | 3.7          | 4.0          | 3.8     |
| ppmvd @ 15% O <sub>2</sub>     | 3.4          | 3.3          | 3.6          | 3.5     |
| lb/hr                          | 2.1          | 2.1          | 2.3          | 2.1     |
| lb/MMBtu                       | 0.0046       | 0.0045       | 0.0049       | 0.0047  |

**TABLE 4-18**  
**AMMONIA, CO, NO<sub>x</sub> & SO<sub>2</sub> EMISSIONS RESULTS -**  
**SV POWER – DVR POWER PLANT**  
**TURBINE UNIT 2 – MAX LOAD**

| Run Number                      | 4-NH3-2-MAX | 5-NH3-2-MAX | 6-NH3-2-MAX | Average |
|---------------------------------|-------------|-------------|-------------|---------|
| Date                            | 7/18/24     | 7/18/24     | 7/18/24     | --      |
| Time                            | 0939-1009   | 1035-1105   | 1114-1144   | --      |
| <b>Process Data:</b>            |             |             |             |         |
| Heat input, MMBtu/hr            | 560.6       | 561.2       | 561.4       | 561.1   |
| Fuel flow rate, scfh            | 533,910     | 534,440     | 534,660     | 534,337 |
| Power generation, MW            | 71.0        | 71.0        | 71.0        | 71.0    |
| Fuel sulfur, gr/100scf          | 0.193       | 0.193       | 0.193       | 0.193   |
| <b>Flue Gas Parameters</b>      |             |             |             |         |
| O <sub>2</sub> , % volume dry   | 12.8        | 12.9        | 12.9        | 12.9    |
| CO <sub>2</sub> , % volume dry  | 4.5         | 4.7         | 4.6         | 4.6     |
| volumetric flow rate, dscfm     | 204,738     | 207,247     | 207,332     | 206,439 |
| <b>Ammonia Emissions</b>        |             |             |             |         |
| ppmvd                           | 3.5         | 3.1         | 3.8         | 3.5     |
| ppmvd @ 15% O <sub>2</sub>      | 2.5         | 2.3         | 2.8         | 2.5     |
| lb/hr                           | 1.9         | 1.7         | 2.1         | 1.9     |
| lb/MMBtu                        | 0.0034      | 0.0031      | 0.0038      | 0.0034  |
| <b>CO Emissions</b>             |             |             |             |         |
| ppmvd                           | 1.2         | 1.2         | 1.2         | 1.2     |
| ppmvd @ 15% O <sub>2</sub>      | 0.9         | 0.9         | 0.9         | 0.9     |
| lb/hr                           | 1.1         | 1.1         | 1.1         | 1.1     |
| lb/MMBtu                        | 0.0020      | 0.0019      | 0.0019      | 0.0019  |
| <b>NO<sub>x</sub> Emissions</b> |             |             |             |         |
| ppmvd                           | 2.4         | 2.5         | 2.5         | 2.5     |
| ppmvd @ 15% O <sub>2</sub>      | 1.7         | 1.9         | 1.8         | 1.8     |
| lb/hr                           | 3.5         | 3.7         | 3.7         | 3.6     |
| lb/MMBtu                        | 0.0064      | 0.0067      | 0.0067      | 0.0066  |
| <b>SO<sub>2</sub> Emissions</b> |             |             |             |         |
| ppmvd                           | 0.14        | 0.14        | 0.14        | 0.14    |
| ppmvd @ 15% O <sub>2</sub>      | 0.11        | 0.11        | 0.11        | 0.11    |
| lb/hr                           | 0.29        | 0.29        | 0.29        | 0.29    |
| lb/MMBtu                        | 0.0005      | 0.0005      | 0.0005      | 0.0005  |

**TABLE 4-19**  
**POC EMISSIONS RESULTS -**  
**SV POWER – DVR POWER PLANT**  
**TURBINE UNIT 2 – MAX LOAD**

| Run Number                        | 1-POC-2         | 2-POC-2         | 3-POC-2         | Average         |
|-----------------------------------|-----------------|-----------------|-----------------|-----------------|
| Date                              | 7/18/24         | 7/18/24         | 7/18/24         | --              |
| Time                              | 0939-1009       | 1035-1105       | 1114-1144       | --              |
| <b>Process Data:</b>              |                 |                 |                 |                 |
| Heat input, MMBtu/hr              | 560.6           | 561.2           | 561.4           | 561.1           |
| Fuel flow rate, scfh              | 533,910         | 534,440         | 534,660         | 534,337         |
| Power generation, MW              | 71.0            | 71.0            | 71.0            | 71.0            |
| <b>Flue Gas Parameters</b>        |                 |                 |                 |                 |
| O <sub>2</sub> , % volume dry     | 12.8            | 12.9            | 12.9            | 12.9            |
| CO <sub>2</sub> , % volume dry    | 4.5             | 4.7             | 4.6             | 4.6             |
| volumetric flow rate, dscfm       | 204,738         | 207,247         | 207,332         | 206,439         |
| THC as methane, ppmvd             | 21.269          | 18.012          | 18.488          | 19.256          |
| Methane, ppmvd                    | 21.257          | 17.990          | 18.499          | 19.249          |
| Ethane, ppmvd as methane          | <0.5            | <0.5            | <0.5            | <0.5            |
| <b>POC Emissions (as Methane)</b> |                 |                 |                 |                 |
| ppmvd                             | 2.0 ± 1         | 2.0 ± 1         | 2.0 ± 1         | 2.0 ± 1         |
| ppmvd @ 15% O <sub>2</sub>        | 1.5 ± 0.8       | 1.5 ± 0.8       | 1.5 ± 0.8       | 1.5 ± 0.8       |
| lb/hr                             | 1.1 ± 0.5       | 1.1 ± 0.5       | 1.1 ± 0.5       | 1.1 ± 0.5       |
| lb/MMBtu                          | 0.0019 ± 0.0005 | 0.0019 ± 0.0005 | 0.0019 ± 0.0005 | 0.0019 ± 0.0005 |

Note: Heat input data is calculated based on reported fuel flow rates and the higher heating value of a fuel sample.

**TABLE 4-20**  
**OXYGEN (PERCENT VOL. DRY) RATA RESULTS -**  
**TURBINE UNIT 2**

| Run #                           | Date    | Time      | RM    | CEMS | Difference | Run<br>Used<br>(Y or N) | Unit Load<br>(MW) |
|---------------------------------|---------|-----------|-------|------|------------|-------------------------|-------------------|
| 1                               | 7/18/24 | 0825-0906 | 12.8  | 13.0 | -0.2       | Y                       | 71                |
| 2                               | 7/18/24 | 0939-1009 | 12.8  | 13.0 | -0.2       | N                       | 71                |
| 3                               | 7/18/24 | 1035-1105 | 12.9  | 13.0 | -0.1       | Y                       | 71                |
| 4                               | 7/18/24 | 1114-1144 | 12.9  | 13.0 | -0.1       | Y                       | 71                |
| 5                               | 7/18/24 | 1153-1214 | 12.9  | 13.0 | -0.1       | Y                       | 71                |
| 6                               | 7/18/24 | 1221-1242 | 12.9  | 13.0 | -0.1       | Y                       | 71                |
| 7                               | 7/18/24 | 1253-1314 | 12.9  | 12.9 | 0.0        | Y                       | 71                |
| 8                               | 7/18/24 | 1321-1342 | 12.8  | 12.9 | -0.1       | Y                       | 71                |
| 9                               | 7/18/24 | 1350-1411 | 12.8  | 12.9 | -0.1       | Y                       | 71                |
| 10                              | 7/18/24 | 1419-1440 | 12.8  | 12.9 | -0.1       | Y                       | 71                |
| Averages                        |         |           | 12.9  | 13.0 | -0.1       |                         | 71                |
| Standard Deviation              |         |           | 0.037 |      |            |                         |                   |
| Confidence Coefficient (CC)     |         |           | 0.029 |      |            |                         |                   |
| Unit load                       |         |           | 71    | MW   |            |                         |                   |
| RA based on absolute difference |         |           | 0.1   | %    |            |                         |                   |

**TABLE 4-21**  
**CO (PPM VOL. DRY) RATA RESULTS -**  
**TURBINE UNIT 2**

| Run #                              | Date    | Time      | RM    | CEMS | Difference | Run<br>Used<br>(Y or N) | Unit Load<br>(MW) |
|------------------------------------|---------|-----------|-------|------|------------|-------------------------|-------------------|
| 1                                  | 7/18/24 | 0825-0906 | 1.4   | 1.1  | 0.3        | N                       | 71                |
| 2                                  | 7/18/24 | 0939-1009 | 1.2   | 1.1  | 0.1        | Y                       | 71                |
| 3                                  | 7/18/24 | 1035-1105 | 1.2   | 1.1  | 0.1        | Y                       | 71                |
| 4                                  | 7/18/24 | 1114-1144 | 1.2   | 1.1  | 0.1        | Y                       | 71                |
| 5                                  | 7/18/24 | 1153-1214 | 1.2   | 1.1  | 0.1        | Y                       | 71                |
| 6                                  | 7/18/24 | 1221-1242 | 1.2   | 1.1  | 0.1        | Y                       | 71                |
| 7                                  | 7/18/24 | 1253-1314 | 1.2   | 1.1  | 0.1        | Y                       | 71                |
| 8                                  | 7/18/24 | 1321-1342 | 1.2   | 1.1  | 0.1        | Y                       | 71                |
| 9                                  | 7/18/24 | 1350-1411 | 1.2   | 1.1  | 0.1        | Y                       | 71                |
| 10                                 | 7/18/24 | 1419-1440 | 1.2   | 1.2  | 0.0        | Y                       | 71                |
| Averages                           |         |           | 1.2   | 1.1  | 0.1        |                         | 71                |
| Standard Deviation                 |         |           | 0.034 |      |            |                         |                   |
| Confidence Coefficient (CC)        |         |           | 0.026 |      |            |                         |                   |
| Unit load                          |         |           | 71    | MW   |            |                         |                   |
| RA based on difference plus the CC |         |           | 0.1   | ppm  |            |                         |                   |

**TABLE 4-22**  
**CO (PPM @ 15% O<sub>2</sub>) RATA RESULTS -**  
**TURBINE UNIT 2**

| Run #                              | Date    | Time      | RM    | CEMS                     | Difference | Run<br>Used<br>(Y or N) | Unit Load<br>(MW) |
|------------------------------------|---------|-----------|-------|--------------------------|------------|-------------------------|-------------------|
| 1                                  | 7/18/24 | 0825-0906 | 1.06  | 0.82                     | 0.24       | N                       | 71                |
| 2                                  | 7/18/24 | 0939-1009 | 0.89  | 0.82                     | 0.07       | Y                       | 71                |
| 3                                  | 7/18/24 | 1035-1105 | 0.87  | 0.81                     | 0.06       | Y                       | 71                |
| 4                                  | 7/18/24 | 1114-1144 | 0.87  | 0.81                     | 0.06       | Y                       | 71                |
| 5                                  | 7/18/24 | 1153-1214 | 0.86  | 0.81                     | 0.05       | Y                       | 71                |
| 6                                  | 7/18/24 | 1221-1242 | 0.86  | 0.82                     | 0.04       | Y                       | 71                |
| 7                                  | 7/18/24 | 1253-1314 | 0.90  | 0.83                     | 0.07       | Y                       | 71                |
| 8                                  | 7/18/24 | 1321-1342 | 0.90  | 0.83                     | 0.07       | Y                       | 71                |
| 9                                  | 7/18/24 | 1350-1411 | 0.88  | 0.82                     | 0.06       | Y                       | 71                |
| 10                                 | 7/18/24 | 1419-1440 | 0.90  | 0.84                     | 0.06       | Y                       | 71                |
| Averages                           |         |           | 0.88  | 0.82                     | 0.06       |                         | 71                |
| Applicable Standard (AS)           |         |           | 4.0   | ppm @ 15% O <sub>2</sub> |            |                         |                   |
| Standard Deviation                 |         |           | 0.011 |                          |            |                         |                   |
| Confidence Coefficient (CC)        |         |           | 0.009 |                          |            |                         |                   |
| Unit load                          |         |           | 71    | MW                       |            |                         |                   |
| RA based on difference plus the CC |         |           | 0.1   | ppm @ 15% O <sub>2</sub> |            |                         |                   |

**TABLE 4-23**  
**CO (LB/HR) RATA RESULTS -**  
**TURBINE UNIT 2**

| Run #                       | Date    | Time      | RM    | CEMS  | Difference | Run<br>Used<br>(Y or N) | Unit Load<br>(MW) |
|-----------------------------|---------|-----------|-------|-------|------------|-------------------------|-------------------|
| 1                           | 7/18/24 | 0825-0906 | 1.29  | 1.02  | 0.27       | N                       | 71                |
| 2                           | 7/18/24 | 0939-1009 | 1.09  | 1.04  | 0.05       | Y                       | 71                |
| 3                           | 7/18/24 | 1035-1105 | 1.06  | 1.01  | 0.05       | Y                       | 71                |
| 4                           | 7/18/24 | 1114-1144 | 1.06  | 1.01  | 0.05       | Y                       | 71                |
| 5                           | 7/18/24 | 1153-1214 | 1.05  | 1.02  | 0.03       | Y                       | 71                |
| 6                           | 7/18/24 | 1221-1242 | 1.05  | 1.02  | 0.03       | Y                       | 71                |
| 7                           | 7/18/24 | 1253-1314 | 1.10  | 1.06  | 0.04       | Y                       | 71                |
| 8                           | 7/18/24 | 1321-1342 | 1.10  | 1.05  | 0.05       | Y                       | 71                |
| 9                           | 7/18/24 | 1350-1411 | 1.08  | 1.05  | 0.03       | Y                       | 71                |
| 10                          | 7/18/24 | 1419-1440 | 1.10  | 1.07  | 0.03       | Y                       | 71                |
| Averages                    |         |           | 1.08  | 1.04  | 0.04       |                         | 71                |
| Applicable Standard (AS)    |         |           | 5.47  | lb/hr |            |                         |                   |
| Standard Deviation          |         |           | 0.010 |       |            |                         |                   |
| Confidence Coefficient (CC) |         |           | 0.008 |       |            |                         |                   |
| Unit load                   |         |           | 71    | MW    |            |                         |                   |
| RA based on AS              |         |           | 0.9   | %     |            |                         |                   |

**TABLE 4-24**  
**NOX (PPM VOL. DRY) RATA RESULTS -**  
**TURBINE UNIT 2**

| Run #                       | Date    | Time      | RM    | CEMS | Difference | Run<br>Used<br>(Y or N) | Unit Load<br>(MW) |
|-----------------------------|---------|-----------|-------|------|------------|-------------------------|-------------------|
| 1                           | 7/18/24 | 0825-0906 | 2.3   | 2.4  | -0.1       | Y                       | 71                |
| 2                           | 7/18/24 | 0939-1009 | 2.4   | 2.4  | 0.0        | Y                       | 71                |
| 3                           | 7/18/24 | 1035-1105 | 2.5   | 2.4  | 0.1        | Y                       | 71                |
| 4                           | 7/18/24 | 1114-1144 | 2.5   | 2.4  | 0.1        | Y                       | 71                |
| 5                           | 7/18/24 | 1153-1214 | 2.5   | 2.4  | 0.1        | Y                       | 71                |
| 6                           | 7/18/24 | 1221-1242 | 2.5   | 2.4  | 0.1        | N                       | 71                |
| 7                           | 7/18/24 | 1253-1314 | 2.5   | 2.4  | 0.1        | Y                       | 71                |
| 8                           | 7/18/24 | 1321-1342 | 2.5   | 2.4  | 0.1        | Y                       | 71                |
| 9                           | 7/18/24 | 1350-1411 | 2.5   | 2.4  | 0.1        | Y                       | 71                |
| 10                          | 7/18/24 | 1419-1440 | 2.5   | 2.4  | 0.1        | Y                       | 71                |
| Averages                    |         |           | 2.5   | 2.4  | 0.1        |                         | 71                |
| Standard Deviation          |         |           | 0.085 |      |            |                         |                   |
| Confidence Coefficient (CC) |         |           | 0.065 |      |            |                         |                   |
| Unit load                   |         |           | 71    | MW   |            |                         |                   |
| RA based on mean RM value   |         |           | 5.4   | %    |            |                         |                   |

**TABLE 4-25**  
**NOX (PPM @ 15% O<sub>2</sub>) RATA RESULTS -**  
**TURBINE UNIT 2**

| Run #                       | Date    | Time      | RM    | CEMS                     | Difference | Run<br>Used<br>(Y or N) | Unit Load<br>(MW) |
|-----------------------------|---------|-----------|-------|--------------------------|------------|-------------------------|-------------------|
| 1                           | 7/18/24 | 0825-0906 | 1.66  | 1.80                     | -0.14      | Y                       | 71                |
| 2                           | 7/18/24 | 0939-1009 | 1.75  | 1.80                     | -0.05      | Y                       | 71                |
| 3                           | 7/18/24 | 1035-1105 | 1.85  | 1.80                     | 0.05       | Y                       | 71                |
| 4                           | 7/18/24 | 1114-1144 | 1.84  | 1.80                     | 0.04       | Y                       | 71                |
| 5                           | 7/18/24 | 1153-1214 | 1.85  | 1.80                     | 0.05       | Y                       | 71                |
| 6                           | 7/18/24 | 1221-1242 | 1.87  | 1.80                     | 0.07       | N                       | 71                |
| 7                           | 7/18/24 | 1253-1314 | 1.86  | 1.81                     | 0.05       | Y                       | 71                |
| 8                           | 7/18/24 | 1321-1342 | 1.83  | 1.81                     | 0.02       | Y                       | 71                |
| 9                           | 7/18/24 | 1350-1411 | 1.82  | 1.80                     | 0.02       | Y                       | 71                |
| 10                          | 7/18/24 | 1419-1440 | 1.84  | 1.80                     | 0.04       | Y                       | 71                |
| Averages                    |         |           | 1.81  | 1.80                     | 0.01       |                         | 71                |
| Applicable Standard (AS)    |         |           | 2.0   | ppm @ 15% O <sub>2</sub> |            |                         |                   |
| Standard Deviation          |         |           | 0.065 |                          |            |                         |                   |
| Confidence Coefficient (CC) |         |           | 0.050 |                          |            |                         |                   |
| Unit load                   |         |           | 71    | MW                       |            |                         |                   |
| RA based on mean RM value   |         |           | 3.2   | %                        |            |                         |                   |

**TABLE 4-26**  
**NOX (LB/HR) RATA RESULTS -**  
**TURBINE UNIT 2**

| Run #                       | Date    | Time      | RM    | CEMS  | Difference | Run<br>Used<br>(Y or N) | Unit Load<br>(MW) |
|-----------------------------|---------|-----------|-------|-------|------------|-------------------------|-------------------|
| 1                           | 7/18/24 | 0825-0906 | 3.32  | 3.92  | -0.60      | N                       | 71                |
| 2                           | 7/18/24 | 0939-1009 | 3.50  | 3.92  | -0.42      | Y                       | 71                |
| 3                           | 7/18/24 | 1035-1105 | 3.72  | 3.93  | -0.21      | Y                       | 71                |
| 4                           | 7/18/24 | 1114-1144 | 3.69  | 3.93  | -0.24      | Y                       | 71                |
| 5                           | 7/18/24 | 1153-1214 | 3.72  | 3.93  | -0.21      | Y                       | 71                |
| 6                           | 7/18/24 | 1221-1242 | 3.74  | 3.93  | -0.19      | Y                       | 71                |
| 7                           | 7/18/24 | 1253-1314 | 3.74  | 3.94  | -0.20      | Y                       | 71                |
| 8                           | 7/18/24 | 1321-1342 | 3.69  | 3.95  | -0.26      | Y                       | 71                |
| 9                           | 7/18/24 | 1350-1411 | 3.67  | 3.95  | -0.28      | Y                       | 71                |
| 10                          | 7/18/24 | 1419-1440 | 3.71  | 3.95  | -0.24      | Y                       | 71                |
| Averages                    |         |           | 3.69  | 3.94  | -0.25      |                         | 71                |
| Applicable Standard (AS)    |         |           | 4.49  | lb/hr |            |                         |                   |
| Standard Deviation          |         |           | 0.069 |       |            |                         |                   |
| Confidence Coefficient (CC) |         |           | 0.053 |       |            |                         |                   |
| Unit load                   |         |           | 71    | MW    |            |                         |                   |
| RA based on mean RM value   |         |           | 8.3   | %     |            |                         |                   |

**TABLE 4-27**  
**NOX (LB/MMBTU) PART 60 RATA RESULTS -**  
**TURBINE UNIT 2**

| Run #                       | Date    | Time      | RM      | CEMS    | Difference | Run<br>Used<br>(Y or N) | Unit Load<br>(MW) |
|-----------------------------|---------|-----------|---------|---------|------------|-------------------------|-------------------|
| 1                           | 7/18/24 | 0825-0906 | 0.006   | 0.007   | -0.001     | N                       | 71                |
| 2                           | 7/18/24 | 0939-1009 | 0.006   | 0.007   | -0.001     | Y                       | 71                |
| 3                           | 7/18/24 | 1035-1105 | 0.007   | 0.007   | 0.000      | Y                       | 71                |
| 4                           | 7/18/24 | 1114-1144 | 0.007   | 0.007   | 0.000      | Y                       | 71                |
| 5                           | 7/18/24 | 1153-1214 | 0.007   | 0.007   | 0.000      | Y                       | 71                |
| 6                           | 7/18/24 | 1221-1242 | 0.007   | 0.007   | 0.000      | Y                       | 71                |
| 7                           | 7/18/24 | 1253-1314 | 0.007   | 0.007   | 0.000      | Y                       | 71                |
| 8                           | 7/18/24 | 1321-1342 | 0.007   | 0.007   | 0.000      | Y                       | 71                |
| 9                           | 7/18/24 | 1350-1411 | 0.007   | 0.007   | 0.000      | Y                       | 71                |
| 10                          | 7/18/24 | 1419-1440 | 0.007   | 0.007   | 0.000      | Y                       | 71                |
| Averages                    |         |           | 0.00700 | 0.00700 | -0.00011   |                         | 71                |
| Standard Deviation          |         |           | 0.00033 |         |            |                         |                   |
| Confidence Coefficient (CC) |         |           | 0.00026 |         |            |                         |                   |
| Unit load                   |         |           | 71      | MW      |            |                         |                   |
| RA based on mean RM value   |         |           | 5.2     | %       |            |                         |                   |

**TABLE 4-28**  
**NOX (LB/MMBTU) PART 75 (EDR) RATA RESULTS -**  
**TURBINE UNIT 1**

| Run #                        | Date    | Time      | RM       | CEMS     | Difference | Run<br>Used<br>(Y or N) | Unit Load<br>(MW) |
|------------------------------|---------|-----------|----------|----------|------------|-------------------------|-------------------|
| 1                            | 7/18/24 | 0825-0906 | 0.006    | 0.007    | -0.001     | N                       | 71                |
| 2                            | 7/18/24 | 0939-1009 | 0.006    | 0.007    | -0.001     | Y                       | 71                |
| 3                            | 7/18/24 | 1035-1105 | 0.007    | 0.007    | 0.000      | Y                       | 71                |
| 4                            | 7/18/24 | 1114-1144 | 0.007    | 0.007    | 0.000      | Y                       | 71                |
| 5                            | 7/18/24 | 1153-1214 | 0.007    | 0.007    | 0.000      | Y                       | 71                |
| 6                            | 7/18/24 | 1221-1242 | 0.007    | 0.007    | 0.000      | Y                       | 71                |
| 7                            | 7/18/24 | 1253-1314 | 0.007    | 0.007    | 0.000      | Y                       | 71                |
| 8                            | 7/18/24 | 1321-1342 | 0.007    | 0.007    | 0.000      | Y                       | 71                |
| 9                            | 7/18/24 | 1350-1411 | 0.007    | 0.007    | 0.000      | Y                       | 71                |
| 10                           | 7/18/24 | 1419-1440 | 0.007    | 0.007    | 0.000      | Y                       | 71                |
| Averages                     |         |           | 0.006889 | 0.007000 | -0.000111  |                         | 71                |
| Standard Deviation           |         |           | 0.000333 |          |            |                         |                   |
| Confidence Coefficient (CC)  |         |           | 0.000256 |          |            |                         |                   |
| Bias Adjustment Factor (BAF) |         |           | 1.000    |          |            |                         |                   |
| Unit load                    |         |           | 71       | MW       |            |                         |                   |
| RA based on mean RM value    |         |           | 5.3      | %        |            |                         |                   |

## 5.0 INTERNAL QA/QC ACTIVITIES

Table 5-1 presents a summary of the gas cylinder information.

**TABLE 5-1  
PART 75 GAS CYLINDER INFORMATION**

| Gas Type                                 | Gas Level | Gas Concentration | Vendor ID (PGVP ID#) | Cylinder ID | Expiration Date |
|------------------------------------------|-----------|-------------------|----------------------|-------------|-----------------|
| O <sub>2</sub> , Balance N <sub>2</sub>  | Mid       | 11.61%            | B72023               | CC31354     | 05/15/2031      |
|                                          | High      | 21.12%            | B72023               | CC323781    | 05/23/2031      |
| NO <sub>x</sub> , Balance N <sub>2</sub> | Mid       | 2.488 ppm         | B72023               | CC754521    | 11/27/2026      |
|                                          | High      | 5.074 ppm         | B32023               | CC191010    | 05/26/2026      |
| N <sub>2</sub>                           | Zero      | 0%                | B72024               | XC014765B   | 06/12/2032      |

### 5.1 QA/QC AUDITS

The meter boxes and sampling trains used during sampling performed within the requirements of their respective methods. All post-test leak checks, minimum metered volumes, minimum sample durations, and percent isokinetics met the applicable QA/QC criteria, except where noted in Section 5.2.

EPA Method 3A, 7E, and 10 calibration audits were all within the measurement system performance specifications for the calibration drift checks, system calibration bias checks, and calibration error checks, except where noted in Section 5.2.

The NO<sub>2</sub> to NO converter efficiency checks of each/the analyzer were conducted per the procedures in EPA Method 7E, Section 8.2.4. The conversion efficiencies met the criteria, except where noted in Section 5.2.

EPA Method 5 analytical QA/QC results are included in the laboratory report. The method QA/QC criteria were met, except if noted in Section 5.2. An EPA Method 5 reagent blank was analyzed. The maximum allowable amount that can be subtracted is 0.001% of the weight of the acetone blank. The blank did not exceed the maximum residue allowed.

EPA Method 202 analytical QA/QC results are included in the laboratory report. The method QA/QC criteria were met, except where noted in Section 5.2. An EPA Method 202 Field Train Recovery Blank (FTRB) was performed for each source category. The maximum allowable amount that can be subtracted is 0.002 g (2.0 mg). EPA Method 18 analytical QA/QC results are included in the laboratory report. The method QA/QC criteria were met.

EPA Method 18 analytical QA/QC results are included in the laboratory report. The method QA/QC criteria were met.

BAAQMD Method ST-1B analytical QA/QC results are included in the laboratory report. The method QA/QC criteria were met.

ASTM Methods D-3588 and D-5504 analytical QA/QC results are included in the laboratory report. The method QA/QC criteria were met.

## **5.2 QA/QC DISCUSSION**

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

## **5.3 QUALITY STATEMENT**

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

## **APPENDIX A**

### **FIELD DATA AND CALCULATIONS**

## **Appendix A.1**

### **Sampling Locations**

# EPA METHOD 1 FIELD DATA

## Project Information

Client / Facility SUP DNR

Date 7/15/24

Source / Location Unit 1

Data taken by NP/EG/SF

## Circular/Elliptical Duct Measurements

Far wall to outside of port distance, in.:

Port length, in. (confirm flush with inside wall):

Duct inner diameter, in.:

Port diameter, in.:

Upstream distance (A), in.:

Downstream distance (B), in.:

Number of ports (must be 90° to each other):

| Port 1 | Port 2 | Port 3 | Port 4 |
|--------|--------|--------|--------|
| 129.5  | 129.5  | 129.5  | 129.5  |
| 9.5    | 9.5    | 9.5    | 9.5    |
| 120.0  | 120.0  | 120.0  | 120.0  |
| 6.0    | 6.0    | 6.0    | 6.0    |
| 74.0   |        |        |        |
| 340.0  |        |        |        |
| 4      |        |        |        |

## Duct Parameters

Material (steel, fiberglass, PVC)

Type of port (flange, npt nipple, etc.)

Orientation (vertical, horizontal, if diagonal specify angle)

Elevation of ports above ground, ft.

Steel

Flange

Vertical

~100ft

Cyclonic flow expected?

Pitot ID

Manometer ID

Angle finder / protractor ID

No

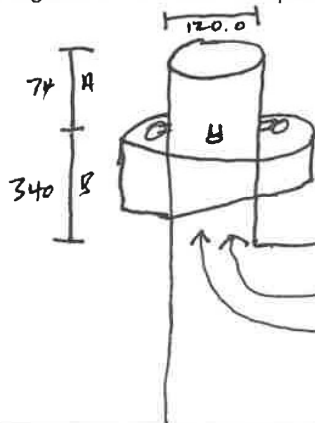
101-NB-6

CB-18

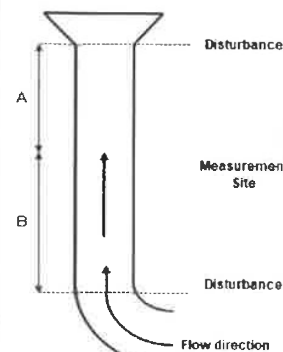
DPR-0AK-4

| Traverse point        | Outside port distance, in. | Null angle, α |
|-----------------------|----------------------------|---------------|
| 6                     | 52.2                       | 2             |
| 5                     | 39.5                       | 4             |
| 4                     | 30.7                       | 3             |
| 3                     | 23.7                       | 2             |
| 2                     | 17.5                       | 2             |
| 1                     | 12.0                       | 5             |
| 6                     |                            | 7             |
| 5                     |                            | 2             |
| 4                     |                            | 4             |
| 3                     |                            | 2             |
| 2                     |                            | 0             |
| 1                     |                            | 4             |
| 6                     |                            | 3             |
| 5                     |                            | 5             |
| 4                     |                            | 7             |
| 3                     |                            | 2             |
| 2                     |                            | 3             |
| 1                     |                            | 2             |
| 6                     |                            | 1             |
| 5                     |                            | 1             |
| 4                     |                            | 5             |
| 3                     |                            | 4             |
| 2                     |                            | 2             |
| 1                     |                            | 4             |
| Average of absolute α |                            | 3.1           |

## Diagram of duct and sampling location



## Example:



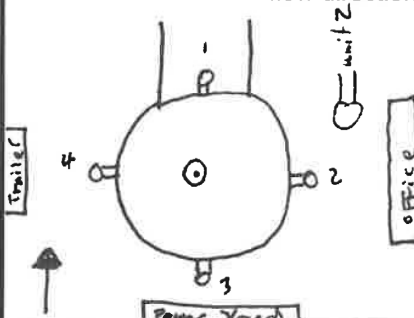
## Cross-section sketch showing port locations and numbering

Label the following:

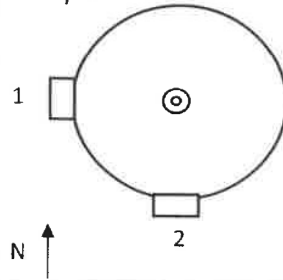
port number 1, 2, etc.

north direction or other landmark

flow direction - ⊗ into page ⊙ out of page



## Example:



\*For stacks having diameters greater than 24 in., no traverse points shall be within 1.00 in. of the stack walls; and for stack diameters equal to or less than 24 in., no traverse points shall be located within 0.50 in. - EPA Method 1 section 11.3.1 & 11.3.2

\*\*If schematics are unavailable, internal width can be estimated by measuring the portion of the port length not visible on the outside of the duct, which would be an estimate of the insulation thickness. Double this distance and subtract it from the outside width.

# EPA METHOD 1 FIELD DATA

## Project Information

Client / Facility SUP DUB Date 7/17/24  
Source / Location Unit 2 Data taken by NP/EC/SF

## Circular/Elliptical Duct Measurements

Far wall to outside of port distance, in.:  
Port length, in. (confirm flush with inside wall):  
Duct inner diameter, in.:  
Port diameter, in.:  
Upstream distance (A), in.:  
Downstream distance (B), in.:  
Number of ports (must be 90° to each other):

| Port 1 | Port 2 | Port 3 | Port 4 |
|--------|--------|--------|--------|
| 129.5  | 129.5  | 129.5  | 129.5  |
| 9.5    | 9.5    | 9.5    | 9.5    |
| 120.0  | 120.0  | 120.0  | 120.0  |
| 6.0    | 6.0    | 6.0    | 6.0    |
| 74.0   |        |        |        |
| 340.0  |        |        |        |
| 4      |        |        |        |

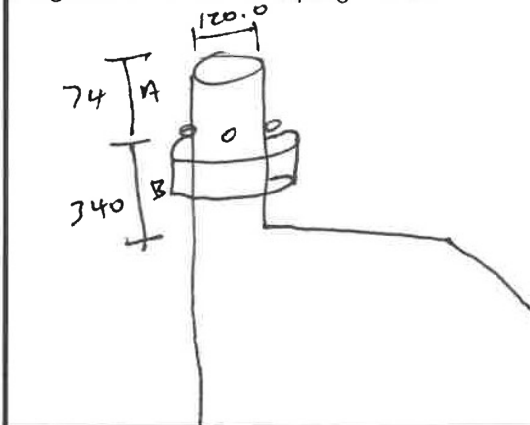
## Duct Parameters

Material (steel, fiberglass, PVC) steel  
Type of port (flange, npt nipple, etc.) Flange  
Orientation (vertical, horizontal, if diagonal specify angle) Vertical  
Elevation of ports above ground, ft. ~100 ft

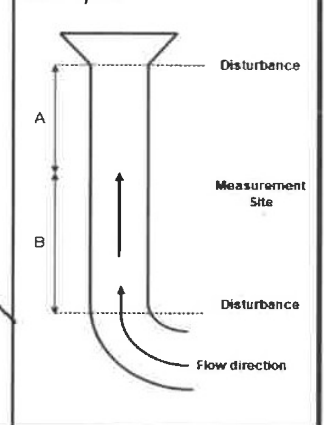
Cyclonic flow expected? NO  
Pitot ID 101-NP-6  
Manometer ID CB-18  
Angle finder / protractor ID DPA-ONE-4

| Traverse point        | Outside port distance, in. | Null angle, α |
|-----------------------|----------------------------|---------------|
| 6                     | 53.2                       | 3             |
| 5                     | 39.5                       | 0             |
| 4                     | 30.7                       | 2             |
| 3                     | 23.7                       | 5             |
| 2                     | 17.5                       | 0             |
| 1                     | 12.0                       | 2             |
| 6                     |                            | 3             |
| 5                     |                            | 4             |
| 4                     |                            | 5             |
| 3                     |                            | 0             |
| 2                     |                            | 0             |
| 1                     |                            | 1             |
| 6                     |                            | 3             |
| 5                     |                            | 7             |
| 4                     |                            | 2             |
| 3                     |                            | 5             |
| 2                     |                            | 4             |
| 1                     |                            | 3             |
| 6                     |                            | 0             |
| 5                     |                            | 2             |
| 4                     |                            | 1             |
| 3                     |                            | 5             |
| 2                     |                            | 1             |
| 1                     |                            | 0             |
| Average of absolute α |                            | 2.4           |

## Diagram of duct and sampling location

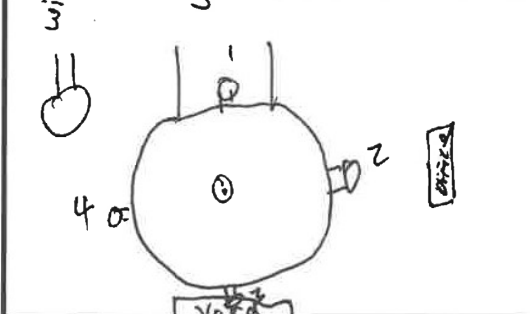


## Example:

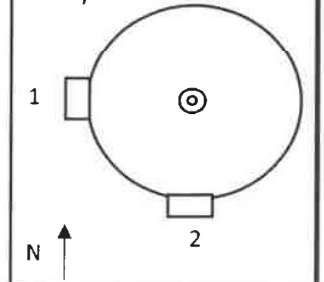


## Cross-section sketch showing port locations and numbering

Label the following:  
port number 1, 2, etc.  
north direction or other landmark  
flow direction - ⊗ into page ⊙ out of page



## Example:



\*For stacks having diameters greater than 24 in., no traverse points shall be within 1.00 in. of the stack walls; and for stack diameters equal to or less than 24 in., no traverse points shall be located within 0.50 in. - EPA Method 1 section 11.3.1 & 11.3.2

\*\*If schematics are unavailable, internal width can be estimated by measuring the portion of the port length not visible on the outside of the duct, which would be an estimate of the insulation thickness. Double this distance and subtract it from the outside width.

## **Appendix A.2**

### **Particulate Matter Data Sheets**

|                                             |                             |                                   |  |
|---------------------------------------------|-----------------------------|-----------------------------------|--|
| <b>Project Information</b>                  |                             | <b>Equipment Identification</b>   |  |
| Date <u>7/16/24</u>                         | Project # <u>042969</u>     | Ref. Thermometer <u>T-4</u>       |  |
| Customer / Facility <u>S.V.P.</u>           |                             | Hygrometer <u>T-4</u>             |  |
| Unit ID / Sample Location <u>Unit 1 Max</u> |                             | Field Balance <u>23-AB-OAK-T4</u> |  |
| Run # <u>1-3 EPA S1202</u>                  | Operator <u>NP/EG/SF/GC</u> | Check Weights <u>WS-5</u>         |  |
|                                             |                             | Calipers <u>T4</u>                |  |

|                                                                               |  |                                        |  |
|-------------------------------------------------------------------------------|--|----------------------------------------|--|
| <b>Balance Audit</b> (Field balance must be within 0.5g of check weight mass) |  | <b>Ambient Conditions (Mobile Lab)</b> |  |
| Date <u>7/16/24</u>                                                           |  | Relative humidity, % <u>—</u>          |  |
| Standard mass, g <u>500</u>                                                   |  | Temperature, °F <u>70</u>              |  |
| Field balance mass, g <u>499.9</u>                                            |  | Mobile lab # <u>T4</u>                 |  |

| Moisture Determination |                    |         |       |       |         |       |       |         |        |       |
|------------------------|--------------------|---------|-------|-------|---------|-------|-------|---------|--------|-------|
|                        |                    | Run1    |       |       | Run 2   |       |       | Run 3   |        |       |
|                        | Contents           | Initial | Final | Net   | Initial | Final | Net   | Initial | Final  | Net   |
| Knockout               | MT                 | 415.8   | 599.4 | 183.6 | 368.6   | 543.4 | 174.8 | 347.5   | 498.5  | 151.0 |
| Impinger 1             | MT                 | 556.6   | 559.8 | 3.2   | 568.3   | 571.1 | 4.8   | 547.6   | 567.5  | 19.9  |
| Impinger 2             | DIH <sub>2</sub> O | 659.8   | 678.3 | 18.5  | 659.2   | 685.5 | 26.3  | 649.1   | 668.7  | 19.6  |
| Impinger 3             | SG                 | 816.6   | 841.9 | 25.3  | 860.6   | 889.0 | 28.4  | 975.9   | 1001.1 | 25.2  |
| Impinger 4             |                    |         |       |       |         |       |       |         |        |       |
| Impinger 5             |                    |         |       |       |         |       |       |         |        |       |
| Impinger 6             |                    |         |       |       |         |       |       |         |        |       |
| Impinger 7             |                    |         |       |       |         |       |       |         |        |       |
| Impinger 8             |                    |         |       |       |         |       |       |         |        |       |
| Silica Gel             |                    |         |       |       |         |       |       |         |        |       |
| Line Rinse             | LP                 |         |       | -20   |         |       | -20   |         |        | -20   |
| Train Net Gain (Vlc)   |                    |         | 210.6 |       |         | 214.3 |       |         | 195.7  |       |

**Nozzle Measurements** (Difference between any two measurements must not be more than 0.004 in (0.1 mm))

Nozzle 1 diameters 0.200 D1 0.200 D2 0.200 D3 0.200 Average \_\_\_\_\_

Nozzle 2 diameters \_\_\_\_\_ D1 \_\_\_\_\_ D2 \_\_\_\_\_ D3 \_\_\_\_\_ Average \_\_\_\_\_

Nozzle 3 diameters \_\_\_\_\_ D1 \_\_\_\_\_ D2 \_\_\_\_\_ D3 \_\_\_\_\_ Average \_\_\_\_\_

**Nozzle Material** ☐ quartz ☒ glass ☐ steel ☐ titanium ☐ inconel ☐ other \_\_\_\_\_

**Probe Type** ☒ heated ☐ unheated ☐ air-cooled ☐ water-cooled ☐ other \_\_\_\_\_

**Probe Liner** ☐ quartz ☒ glass ☐ steel ☐ Teflon ☐ other \_\_\_\_\_

**Filter Information**

Front Half: ☐ quartz fiber ☐ glass fiber ☐ Teflon ☐ Teflon/quartz ☒ other Teflon backed

Filter Number: Run 1: 3820 Run 2: 4409 Run 3: 4984 Run \_\_\_\_\_

Back Half: ☐ quartz fiber ☐ glass fiber ☒ Teflon ☐ Teflon/quartz ☐ other \_\_\_\_\_

| Reagent Information          |                | Sample Observations |
|------------------------------|----------------|---------------------|
| Type                         | Lot Number     |                     |
| <u>Type 1 H<sub>2</sub>O</u> | <u>R000706</u> |                     |
| <u>Acetone</u>               | <u>R000738</u> |                     |
| <u>Hexanes</u>               | <u>R000750</u> |                     |
|                              |                |                     |
|                              |                |                     |
|                              |                |                     |

QA/QC Check: Completeness \_\_\_\_\_ Legibility \_\_\_\_\_ Accuracy \_\_\_\_\_ Specifications \_\_\_\_\_

Checked by: \_\_\_\_\_ Team Leader: \_\_\_\_\_

001AS-QMS-FM-226

|                                                  |                         |                                            |  |
|--------------------------------------------------|-------------------------|--------------------------------------------|--|
| <b>Project Information</b>                       |                         | <b>Equipment Identification</b>            |  |
| Date <u>7/16/24</u>                              | Project # <u>042969</u> | N <sub>2</sub> Cylinder <u>XC014 76513</u> |  |
| Customer / Facility <u>SVP DVR</u>               |                         | Thermocouple IDs                           |  |
| Unit ID / Sample Location <u>Unit 1 Max load</u> |                         | CPM Filter Exit <u>8929</u>                |  |
| Run # <u>1-3-PM-1</u>                            |                         | Impinger Exit <u>Trailer 4</u>             |  |
| Operator <u>NP, EG, SF</u>                       |                         |                                            |  |

| Run <u>1</u>                                                                            |                        |                         |                       |
|-----------------------------------------------------------------------------------------|------------------------|-------------------------|-----------------------|
| Start Time: <u>1030</u>                                                                 |                        |                         |                       |
| Elapsed Time min                                                                        | Nitrogen Flow Rate LPM | CPM Filter Exit Temp °F | Impinger Exit Temp °F |
| 0                                                                                       | 14                     | 72                      | 72                    |
| 15                                                                                      | 14                     | 72                      | 72                    |
| 30                                                                                      | 14                     | 71                      | 71                    |
| 45                                                                                      | 14                     | 72                      | 72                    |
| 60                                                                                      | 14                     | 72                      | 72                    |
| Stop Time: <u>1130</u>                                                                  |                        |                         |                       |
| Water added for purge? Y <input type="checkbox"/> N <input checked="" type="checkbox"/> |                        |                         |                       |

| Run <u>2</u>                                                                            |                         |                       |  |
|-----------------------------------------------------------------------------------------|-------------------------|-----------------------|--|
| Start Time: <u>1340</u>                                                                 |                         |                       |  |
| Nitrogen Flow Rate LPM                                                                  | CPM Filter Exit Temp °F | Impinger Exit Temp °F |  |
| 14                                                                                      | 72                      | 72                    |  |
| 14                                                                                      | 71                      | 71                    |  |
| 14                                                                                      | 71                      | 71                    |  |
| 14                                                                                      | 71                      | 71                    |  |
| 14                                                                                      | 72                      | 72                    |  |
| Stop Time: <u>1440</u>                                                                  |                         |                       |  |
| Water added for purge? Y <input type="checkbox"/> N <input checked="" type="checkbox"/> |                         |                       |  |

| Run <u>3</u>                                                                            |                         |                       |  |
|-----------------------------------------------------------------------------------------|-------------------------|-----------------------|--|
| Start Time: <u>1605</u>                                                                 |                         |                       |  |
| Nitrogen Flow Rate LPM                                                                  | CPM Filter Exit Temp °F | Impinger Exit Temp °F |  |
| 14                                                                                      | 72                      | 72                    |  |
| 14                                                                                      | 71                      | 71                    |  |
| 14                                                                                      | 72                      | 72                    |  |
| 14                                                                                      | 72                      | 72                    |  |
| 14                                                                                      | 72                      | 72                    |  |
| Stop Time: <u>1705</u>                                                                  |                         |                       |  |
| Water added for purge? Y <input type="checkbox"/> N <input checked="" type="checkbox"/> |                         |                       |  |

| Run _____                                                                    |                        |                         |                       |
|------------------------------------------------------------------------------|------------------------|-------------------------|-----------------------|
| Start Time: _____                                                            |                        |                         |                       |
| Elapsed Time min                                                             | Nitrogen Flow Rate LPM | CPM Filter Exit Temp °F | Impinger Exit Temp °F |
| 0                                                                            |                        |                         |                       |
| 15                                                                           |                        |                         |                       |
| 30                                                                           |                        |                         |                       |
| 45                                                                           |                        |                         |                       |
| 60                                                                           |                        |                         |                       |
| Stop Time: _____                                                             |                        |                         |                       |
| Water added for purge? Y <input type="checkbox"/> N <input type="checkbox"/> |                        |                         |                       |

| Run _____                                                                    |                         |                       |  |
|------------------------------------------------------------------------------|-------------------------|-----------------------|--|
| Start Time: _____                                                            |                         |                       |  |
| Nitrogen Flow Rate LPM                                                       | CPM Filter Exit Temp °F | Impinger Exit Temp °F |  |
|                                                                              |                         |                       |  |
|                                                                              |                         |                       |  |
|                                                                              |                         |                       |  |
|                                                                              |                         |                       |  |
|                                                                              |                         |                       |  |
| Stop Time: _____                                                             |                         |                       |  |
| Water added for purge? Y <input type="checkbox"/> N <input type="checkbox"/> |                         |                       |  |

**Note:**

- Was water added to dropout impinger for purge: check yes or no
- If water was added, input amount on Sample Recovery Sheet for Moisture Determination 001AS-QMS-FM-226
- Flow meter range must be at least 14 liters/minute
- CPM Filter Exit temp must be between 65 -85 °F
- Impinger Exit temp must be <68°F
- Impinger Exit temp is not required if impingers were weighed prior to purge

QA/QC Check:    Completeness \_\_\_\_    Legibility \_\_\_\_    Accuracy \_\_\_\_    Specifications \_\_\_\_

Checked by: \_\_\_\_\_    Data Custodian: \_\_\_\_\_

001AS-QMS-FM-227

| Project Information |           |                   |                         | Sampling Conditions                   |                             |                        |                               | Equipment Checks                       |                                        |                         |                          | Calibration         |                                                 |            |                                    | Sampling Equipment IDs   |                       |                          |             | ALT 011         |                                  |                                       |                                   |                |                |                 |                        |                               |                     |     |
|---------------------|-----------|-------------------|-------------------------|---------------------------------------|-----------------------------|------------------------|-------------------------------|----------------------------------------|----------------------------------------|-------------------------|--------------------------|---------------------|-------------------------------------------------|------------|------------------------------------|--------------------------|-----------------------|--------------------------|-------------|-----------------|----------------------------------|---------------------------------------|-----------------------------------|----------------|----------------|-----------------|------------------------|-------------------------------|---------------------|-----|
| Date                | Project # | Customer/Facility | Unit ID/Sample Location | Static Pressure, in. H <sub>2</sub> O | Barometric Pressure, in. Hg | Wind Speed / Direction | Probe / Filter Temp Range, °F | Pilot (+), pass @ in. H <sub>2</sub> O | Pilot (-), pass @ in. H <sub>2</sub> O | Pilot visual inspection | Nozzle visual inspection | Meter, cfm @ in. Hg | Intermediate leak check volume, ft <sup>3</sup> | Meterbox Y | Meterbox ΔH @ in. H <sub>2</sub> O | Nozzle diameter, Dn, in. | Pilot coefficient, Cp | Manometer zero and level | Sensitivity | Clock Time 24hr | DGM Reading, Vm, ft <sup>3</sup> | Velocity Head, ΔP in H <sub>2</sub> O | Orifice Pressure Differential, ΔH | Stack Temp, °F | Probe Temp, °F | Filter Temp, °F | Impinger Exit Temp, °F | Dry Gas Meter Temperature, °F | Pump Vacuum, in. Hg |     |
| Run #               | Operator  | Altitude          | Altitude                | Static Pressure, in. H <sub>2</sub> O | Barometric Pressure, in. Hg | Wind Speed / Direction | Probe / Filter Temp Range, °F | Pilot (+), pass @ in. H <sub>2</sub> O | Pilot (-), pass @ in. H <sub>2</sub> O | Pilot visual inspection | Nozzle visual inspection | Meter, cfm @ in. Hg | Intermediate leak check volume, ft <sup>3</sup> | Meterbox Y | Meterbox ΔH @ in. H <sub>2</sub> O | Nozzle diameter, Dn, in. | Pilot coefficient, Cp | Manometer zero and level | Sensitivity | Clock Time 24hr | DGM Reading, Vm, ft <sup>3</sup> | Velocity Head, ΔP in H <sub>2</sub> O | Orifice Pressure Differential, ΔH | Stack Temp, °F | Probe Temp, °F | Filter Temp, °F | Impinger Exit Temp, °F | Dry Gas Meter Temperature, °F | Pump Vacuum, in. Hg |     |
| 7-16-24             | SWP. JVR  | 30.00             | 30.00                   | 0.940                                 | 30.00                       | 0.54                   | 225-248                       | 0.940                                  | 0.940                                  | 0.940                   | 0.940                    | 0.940               | 0.940                                           | 0.940      | 0.940                              | 0.940                    | 0.940                 | 0.940                    | 0.940       | 0.940           | 0.940                            | 0.940                                 | 0.940                             | 0.940          | 0.940          | 0.940           | 0.940                  | 0.940                         | 0.940               |     |
| 1                   | 0         | 7:55              | 784.533                 | 1.9                                   | 2.28                        | 2.3                    | 231                           | 242                                    | 250                                    | 251                     | 251                      | 251                 | 251                                             | 251        | 251                                | 251                      | 251                   | 251                      | 251         | 251             | 251                              | 251                                   | 251                               | 251            | 251            | 251             | 251                    | 251                           | 251                 | 251 |
| 2                   | 5         | 8:00              | 788.71                  | 1.7                                   | 2.04                        | 2.0                    | 230                           | 249                                    | 240                                    | 254                     | 254                      | 254                 | 254                                             | 254        | 254                                | 254                      | 254                   | 254                      | 254         | 254             | 254                              | 254                                   | 254                               | 254            | 254            | 254             | 254                    | 254                           | 254                 | 254 |
| 3                   | 10        | 8:05              | 792.32                  | 1.8                                   | 2.16                        | 2.2                    | 231                           | 248                                    | 246                                    | 250                     | 250                      | 250                 | 250                                             | 250        | 250                                | 250                      | 250                   | 250                      | 250         | 250             | 250                              | 250                                   | 250                               | 250            | 250            | 250             | 250                    | 250                           | 250                 | 250 |
| 4                   | 15        | 8:10              | 796.25                  | 1.8                                   | 2.16                        | 2.2                    | 231                           | 249                                    | 252                                    | 251                     | 251                      | 251                 | 251                                             | 251        | 251                                | 251                      | 251                   | 251                      | 251         | 251             | 251                              | 251                                   | 251                               | 251            | 251            | 251             | 251                    | 251                           | 251                 | 251 |
| 5                   | 20        | 8:15              | 801.17                  | 1.3                                   | 1.56                        | 1.6                    | 230                           | 250                                    | 250                                    | 251                     | 251                      | 251                 | 251                                             | 251        | 251                                | 251                      | 251                   | 251                      | 251         | 251             | 251                              | 251                                   | 251                               | 251            | 251            | 251             | 251                    | 251                           | 251                 | 251 |
| 6                   | 25        | 8:20              | 804.01                  | 1.3                                   | 1.56                        | 1.6                    | 231                           | 250                                    | 246                                    | 253                     | 253                      | 253                 | 253                                             | 253        | 253                                | 253                      | 253                   | 253                      | 253         | 253             | 253                              | 253                                   | 253                               | 253            | 253            | 253             | 253                    | 253                           | 253                 | 253 |
| 7                   | 30        | 8:25              | 807.509                 | 1.8                                   | 2.28                        | 2.3                    | 233                           | 255                                    | 258                                    | 253                     | 253                      | 253                 | 253                                             | 253        | 253                                | 253                      | 253                   | 253                      | 253         | 253             | 253                              | 253                                   | 253                               | 253            | 253            | 253             | 253                    | 253                           | 253                 | 253 |
| 8                   | 35        | 8:30              | 811.38                  | 1.9                                   | 2.28                        | 2.3                    | 233                           | 255                                    | 258                                    | 253                     | 253                      | 253                 | 253                                             | 253        | 253                                | 253                      | 253                   | 253                      | 253         | 253             | 253                              | 253                                   | 253                               | 253            | 253            | 253             | 253                    | 253                           | 253                 | 253 |
| 9                   | 40        | 8:40              | 815.37                  | 1.8                                   | 2.16                        | 2.2                    | 232                           | 251                                    | 252                                    | 255                     | 255                      | 255                 | 255                                             | 255        | 255                                | 255                      | 255                   | 255                      | 255         | 255             | 255                              | 255                                   | 255                               | 255            | 255            | 255             | 255                    | 255                           | 255                 | 255 |
| 10                  | 45        | 8:45              | 819.52                  | 1.7                                   | 2.04                        | 2.0                    | 231                           | 247                                    | 244                                    | 252                     | 252                      | 252                 | 252                                             | 252        | 252                                | 252                      | 252                   | 252                      | 252         | 252             | 252                              | 252                                   | 252                               | 252            | 252            | 252             | 252                    | 252                           | 252                 | 252 |
| 11                  | 50        | 8:50              | 823.54                  | 1.8                                   | 2.16                        | 2.2                    | 231                           | 250                                    | 245                                    | 249                     | 249                      | 249                 | 249                                             | 249        | 249                                | 249                      | 249                   | 249                      | 249         | 249             | 249                              | 249                                   | 249                               | 249            | 249            | 249             | 249                    | 249                           | 249                 | 249 |
| 12                  | 55        | 8:55              | 828.30                  | 1.5                                   | 1.8                         | 1.6                    | 230                           | 250                                    | 253                                    | 255                     | 255                      | 255                 | 255                                             | 255        | 255                                | 255                      | 255                   | 255                      | 255         | 255             | 255                              | 255                                   | 255                               | 255            | 255            | 255             | 255                    | 255                           | 255                 | 255 |
| 13                  | 60        | 9:00              | 831.501                 | 1.5                                   | 1.5                         | 1.2                    | 232                           | 248                                    | 245                                    | 252                     | 252                      | 252                 | 252                                             | 252        | 252                                | 252                      | 252                   | 252                      | 252         | 252             | 252                              | 252                                   | 252                               | 252            | 252            | 252             | 252                    | 252                           | 252                 | 252 |
| 14                  | 65        | 9:05              | 834.64                  | 1.36                                  | 0.432                       | 0.43                   | 233                           | 252                                    | 246                                    | 252                     | 252                      | 252                 | 252                                             | 252        | 252                                | 252                      | 252                   | 252                      | 252         | 252             | 252                              | 252                                   | 252                               | 252            | 252            | 252             | 252                    | 252                           | 252                 | 252 |
| 15                  | 70        | 9:10              | 838.71                  | 1.37                                  | 0.44                        | 0.44                   | 233                           | 244                                    | 245                                    | 249                     | 249                      | 249                 | 249                                             | 249        | 249                                | 249                      | 249                   | 249                      | 249         | 249             | 249                              | 249                                   | 249                               | 249            | 249            | 249             | 249                    | 249                           | 249                 | 249 |
| 16                  | 75        | 9:15              | 838.48                  | 1.38                                  | 0.456                       | 0.47                   | 233                           | 244                                    | 247                                    | 249                     | 249                      | 249                 | 249                                             | 249        | 249                                | 249                      | 249                   | 249                      | 249         | 249             | 249                              | 249                                   | 249                               | 249            | 249            | 249             | 249                    | 249                           | 249                 | 249 |
| 17                  | 80        | 9:20              | 840.62                  | 1.40                                  | 0.48                        | 0.48                   | 234                           | 244                                    | 247                                    | 249                     | 249                      | 249                 | 249                                             | 249        | 249                                | 249                      | 249                   | 249                      | 249         | 249             | 249                              | 249                                   | 249                               | 249            | 249            | 249             | 249                    | 249                           | 249                 | 249 |
| 18                  | 85        | 9:25              | 842.38                  | 1.39                                  | 0.468                       | 0.47                   | 234                           | 243                                    | 240                                    | 249                     | 249                      | 249                 | 249                                             | 249        | 249                                | 249                      | 249                   | 249                      | 249         | 249             | 249                              | 249                                   | 249                               | 249            | 249            | 249             | 249                    | 249                           | 249                 | 249 |
| 19                  | 90        | 9:30              | 844.82                  | 1.0                                   | 1.2                         | 1.2                    | 235                           | 256                                    | 255                                    | 246                     | 246                      | 246                 | 246                                             | 246        | 246                                | 246                      | 246                   | 246                      | 246         | 246             | 246                              | 246                                   | 246                               | 246            | 246            | 246             | 246                    | 246                           | 246                 | 246 |
| 20                  | 95        | 9:35              | 847.28                  | 1.50                                  | 0.6                         | 0.6                    | 234                           | 260                                    | 257                                    | 243                     | 243                      | 243                 | 243                                             | 243        | 243                                | 243                      | 243                   | 243                      | 243         | 243             | 243                              | 243                                   | 243                               | 243            | 243            | 243             | 243                    | 243                           | 243                 | 243 |
| 21                  | 100       | 9:40              | 849.67                  | 1.38                                  | 0.456                       | 0.47                   | 234                           | 256                                    | 254                                    | 244                     | 244                      | 244                 | 244                                             | 244        | 244                                | 244                      | 244                   | 244                      | 244         | 244             | 244                              | 244                                   | 244                               | 244            | 244            | 244             | 244                    | 244                           | 244                 | 244 |
| 22                  | 105       | 9:45              | 851.41                  | 1.37                                  | 0.44                        | 0.44                   | 233                           | 248                                    | 247                                    | 249                     | 249                      | 249                 | 249                                             | 249        | 249                                | 249                      | 249                   | 249                      | 249         | 249             | 249                              | 249                                   | 249                               | 249            | 249            | 249             | 249                    | 249                           | 249                 | 249 |
| 23                  | 110       | 9:50              | 853.16                  | 1.38                                  | 0.456                       | 0.47                   | 233                           | 243                                    | 252                                    | 250                     | 250                      | 250                 | 250                                             | 250        | 250                                | 250                      | 250                   | 250                      | 250         | 250             | 250                              | 250                                   | 250                               | 250            | 250            | 250             | 250                    | 250                           | 250                 | 250 |
| 24                  | 115       | 10:01             | 855.03                  | 1.39                                  | 0.468                       | 0.47                   | 233                           | 249                                    | 250                                    | 251                     | 251                      | 251                 | 251                                             | 251        | 251                                | 251                      | 251                   | 251                      | 251         | 251             | 251                              | 251                                   | 251                               | 251            | 251            | 251             | 251                    | 251                           | 251                 | 251 |
| 25                  | 120       | 10:06             | 856.834                 | 1.39                                  | 0.468                       | 0.47                   | 233                           | 249                                    | 250                                    | 251                     | 251                      | 251                 | 251                                             | 251        | 251                                | 251                      | 251                   | 251                      | 251         | 251             | 251                              | 251                                   | 251                               | 251            | 251            | 251             | 251                    | 251                           | 251                 | 251 |
| Averages            |           |                   | 72.301                  | 0.9844                                | 1.304                       | 232.3                  |                               |                                        |                                        |                         |                          |                     |                                                 |            |                                    |                          |                       |                          |             |                 |                                  |                                       |                                   |                |                |                 |                        |                               |                     |     |

| Project Information    |              |                                     |                                  | Sampling Conditions                             |                                   |                        |                               | ALT 011         |                   |                               |                     |
|------------------------|--------------|-------------------------------------|----------------------------------|-------------------------------------------------|-----------------------------------|------------------------|-------------------------------|-----------------|-------------------|-------------------------------|---------------------|
| Date                   | Project #    | Customer/Facility                   | Unit ID/Sample Location          | Static Pressure, in. H <sub>2</sub> O           | Barometric Pressure, in. Hg       | Wind Speed / Direction | Probe / Filter Temp Range, °F | Stack           | Probe             | Filter Box                    | Filter Exit         |
| 7-16-21                | 042969       | S.V.P. DWR                          | Unit 1 MEX                       | 0.44                                            | 30.00                             | NW 9 mph               |                               |                 |                   |                               |                     |
| Run #                  | Operator     |                                     |                                  |                                                 |                                   |                        |                               | TC ID:          | Ambient °F        | Ref. °F                       |                     |
| 2-PWT-1                | Operator     |                                     |                                  |                                                 |                                   |                        |                               |                 | 73                |                               |                     |
| Sampling Equipment IDs |              |                                     |                                  | Equipment Checks                                |                                   |                        |                               | Notes:          |                   |                               |                     |
| Meterbox ID            | CB-14        | Meterbox Y                          | 0.940                            | Pitot (+), pass @ in. H <sub>2</sub> O          | Pre                               | Mid                    | Post                          |                 |                   |                               |                     |
| Umbilical ID           | UL-205       | Meterbox ΔH @, in. H <sub>2</sub> O | 1.945                            | Pitot (-), pass @ in. H <sub>2</sub> O          | 3.6                               | 3.2                    | 3.2                           |                 |                   |                               |                     |
| Nozzle ID              | 229-206-A    | Nozzle diameter, Dn, in.            | 0.200                            | Pitot visual inspection                         | pass                              | pass                   | pass                          |                 |                   |                               |                     |
| Pitot / Probe ID       | 101-UP-2C    | Pitot coefficient, Cp               | 0.84                             | Nozzle visual inspection                        | pass                              | pass                   | pass                          |                 |                   |                               |                     |
| Manometer ID           | CB-16        | Manometer zero and level            | yes                              | Meter, cfm @ in. Hg                             | 0.001 @ 9                         | 0.001 @ 9              | 0.001 @ 10                    |                 |                   |                               |                     |
| Sensitivity            | 0.01         | K-Factor                            | 1.20                             | Intermediate leak check volume, ft <sup>3</sup> |                                   |                        |                               |                 |                   |                               |                     |
| Traverse Point #       | Elapsed Time | Clock Time                          | DGM Reading, Vm, ft <sup>3</sup> | Velocity Head, ΔP in H <sub>2</sub> O           | Orifice Pressure Differential, ΔH | Stack Temp, °F         | Probe Temp, °F                | Filter Temp, °F | Impinger Temp, °F | Dry Gas Meter Temperature, °F | Pump Vacuum, in. Hg |
|                        |              | 24hr                                |                                  |                                                 | Target                            | Actual                 |                               | Box             |                   | Inlet                         |                     |
| 1                      | 0            | 1:05                                | 863.571                          | 1.0                                             | 1.7                               | 1.2                    | 235                           | 249             | 63                | 74                            | 3                   |
| 2                      | 5            | 1:10                                | 866.778                          | 0.50                                            | 0.76                              | 0.60                   | 238                           | 248             | 57                | 74                            | 3                   |
| 3                      | 10           | 1:15                                | 869.779                          | 0.38                                            | 0.456                             | 0.46                   | 238                           | 255             | 58                | 73                            | 3                   |
| 4                      | 15           | 1:20                                | 871.81                           | 0.36                                            | 0.432                             | 0.43                   | 237                           | 255             | 60                | 75                            | 3                   |
| 5                      | 20           | 1:25                                | 873.77                           | 0.41                                            | 0.492                             | 0.49                   | 238                           | 254             | 58                | 77                            | 3                   |
| 6                      | 25           | 1:30                                | 875.35                           | 0.38                                            | 0.456                             | 0.46                   | 237                           | 247             | 58                | 78                            | 3                   |
| 7                      | 30           | 1:35                                | 877.143                          | 0.97                                            | 1.16                              | 1.2                    | 238                           | 255             | 55                | 79                            | 3                   |
| 8                      | 35           | 1:40                                | 880.69                           | 0.40                                            | 0.50                              | 0.50                   | 238                           | 253             | 55                | 79                            | 3                   |
| 9                      | 40           | 1:45                                | 882.78                           | 0.37                                            | 0.44                              | 0.44                   | 237                           | 251             | 54                | 80                            | 3                   |
| 10                     | 45           | 1:50                                | 884.48                           | 0.34                                            | 0.408                             | 0.41                   | 238                           | 251             | 54                | 80                            | 3                   |
| 11                     | 50           | 1:55                                | 886.42                           | 0.40                                            | 0.48                              | 0.48                   | 238                           | 250             | 54                | 80                            | 3                   |
| 12                     | 55           | 2:00                                | 888.0                            | 0.39                                            | 0.468                             | 0.47                   | 238                           | 249             | 61                | 80                            | 3                   |
| 13                     | 60           | 2:05                                | 889.815                          | 2.0                                             | 2.4                               | 2.4                    | 237                           | 254             | 56                | 80                            | 3                   |
| 14                     | 65           | 2:10                                | 893.63                           | 1.7                                             | 2.04                              | 2.0                    | 234                           | 257             | 56                | 81                            | 3                   |
| 15                     | 70           | 2:15                                | 897.91                           | 1.9                                             | 2.28                              | 2.3                    | 233                           | 257             | 59                | 82                            | 3                   |
| 16                     | 75           | 2:20                                | 901.73                           | 1.6                                             | 1.92                              | 2.0                    | 234                           | 258             | 61                | 83                            | 3                   |
| 17                     | 80           | 2:25                                | 905.55                           | 1.7                                             | 2.04                              | 2.0                    | 234                           | 248             | 63                | 83                            | 3                   |
| 18                     | 85           | 2:30                                | 909.39                           | 1.5                                             | 1.8                               | 1.8                    | 234                           | 250             | 64                | 84                            | 3                   |
| 19                     | 90           | 2:35                                | 913.032                          | 1.9                                             | 2.28                              | 2.3                    | 234                           | 251             | 64                | 84                            | 3                   |
| 20                     | 95           | 2:40                                | 917.16                           | 1.9                                             | 2.28                              | 2.3                    | 234                           | 251             | 65                | 83                            | 3                   |
| 21                     | 100          | 2:45                                | 921.13                           | 1.6                                             | 1.92                              | 2.0                    | 234                           | 250             | 64                | 83                            | 3                   |
| 22                     | 105          | 2:50                                | 925.77                           | 1.7                                             | 2.04                              | 2.0                    | 235                           | 255             | 62                | 83                            | 3                   |
| 23                     | 110          | 2:55                                | 929.01                           | 1.7                                             | 2.04                              | 2.0                    | 234                           | 250             | 62                | 84                            | 3                   |
| 24                     | 115          | 3:00                                | 932.74                           | 1.3                                             | 1.95                              | 2.0                    | 235                           | 250             | 63                | 83                            | 3                   |
| 25                     | 120          | 3:05                                | 936.628                          | 1.3                                             | 1.95                              | 2.0                    | 235                           | 250             | 63                | 84                            | 3                   |
| Averages               |              |                                     | 73.057                           | 0.9921                                          | 1.380                             | 235.9                  |                               |                 |                   | 80.4                          |                     |

| Project Information |           |                   |              | Sampling Conditions                   |                  |                   |                        | Equipment Checks          |                               |                                        |                                        | Calibration             |                          |                     |                                                 | K-Factor         |              |            |                                   |                                       |                                  |                |                |                 |                        |                               |                     |    |    |
|---------------------|-----------|-------------------|--------------|---------------------------------------|------------------|-------------------|------------------------|---------------------------|-------------------------------|----------------------------------------|----------------------------------------|-------------------------|--------------------------|---------------------|-------------------------------------------------|------------------|--------------|------------|-----------------------------------|---------------------------------------|----------------------------------|----------------|----------------|-----------------|------------------------|-------------------------------|---------------------|----|----|
| Date                | Project # | Customer/Facility | Unit ID      | Static Pressure, in. H <sub>2</sub> O | Ambient Temp, °F | Ref. Barometer ID | Wind Speed / Direction | Precipitation, Y / ° type | Probe / Filter Temp Range, °F | Pilot (+), pass @ in. H <sub>2</sub> O | Pilot (-), pass @ in. H <sub>2</sub> O | Pilot visual inspection | Nozzle visual inspection | Meter, cfm @ in. Hg | Intermediate leak check volume, ft <sup>3</sup> | Traverse Point # | Elapsed Time | Clock Time | DGM Reading, V/m, ft <sup>3</sup> | Velocity Head, ΔP in H <sub>2</sub> O | Office Pressure Differential, ΔH | Stack Temp, °F | Probe Temp, °F | Filter Temp, °F | Impinger Exit Temp, °F | Dry Gas Meter Temperature, °F | Pump Vacuum, in. Hg |    |    |
| 3-16-24             | 042969    | SVP. DUB          | Unit 1 / MEX | 0.94                                  | 74               | 30.00             | 15 mph                 | -                         | 248 ± 25                      | 3.6                                    | 3.5                                    | pass                    | pass                     | 0.001 @ 90          | 1                                               | 1.20             | 0            | 13:35      | 937.518                           | 2.0                                   | 2.4                              | 2.4            | 234            | 249             | 250                    | 58                            | -                   | 79 | 68 |
|                     |           |                   |              |                                       |                  |                   |                        |                           |                               |                                        |                                        |                         |                          |                     |                                                 |                  | 5            | 13:40      | 242.69                            | 1.8                                   | 2.16                             | 2.2            | 234            | 249             | 250                    | 55                            | -                   | 77 | 68 |
|                     |           |                   |              |                                       |                  |                   |                        |                           |                               |                                        |                                        |                         |                          |                     |                                                 |                  | 10           | 13:45      | 945.38                            | 1.8                                   | 2.16                             | 2.2            | 234            | 249             | 250                    | 53                            | -                   | 80 | 68 |
|                     |           |                   |              |                                       |                  |                   |                        |                           |                               |                                        |                                        |                         |                          |                     |                                                 |                  | 15           | 13:50      | 949.67                            | 1.6                                   | 1.92                             | 2.0            | 234            | 249             | 250                    | 53                            | -                   | 80 | 68 |
|                     |           |                   |              |                                       |                  |                   |                        |                           |                               |                                        |                                        |                         |                          |                     |                                                 |                  | 20           | 13:55      | 953.52                            | 1.7                                   | 2.04                             | 2.0            | 233            | 247             | 255                    | 55                            | -                   | 81 | 68 |
|                     |           |                   |              |                                       |                  |                   |                        |                           |                               |                                        |                                        |                         |                          |                     |                                                 |                  | 25           | 14:00      | 957.54                            | 1.3                                   | 1.56                             | 1.6            | 234            | 249             | 250                    | 56                            | -                   | 81 | 68 |
|                     |           |                   |              |                                       |                  |                   |                        |                           |                               |                                        |                                        |                         |                          |                     |                                                 |                  | 30           | 14:05      | 960.719                           | 1.9                                   | 2.28                             | 2.3            | 233            | 249             | 250                    | 57                            | -                   | 81 | 69 |
|                     |           |                   |              |                                       |                  |                   |                        |                           |                               |                                        |                                        |                         |                          |                     |                                                 |                  | 35           | 14:12      | 964.77                            | 1.8                                   | 2.16                             | 2.2            | 233            | 249             | 250                    | 56                            | -                   | 82 | 69 |
|                     |           |                   |              |                                       |                  |                   |                        |                           |                               |                                        |                                        |                         |                          |                     |                                                 |                  | 40           | 14:17      | 968.92                            | 1.9                                   | 2.28                             | 2.3            | 233            | 249             | 250                    | 57                            | -                   | 82 | 70 |
|                     |           |                   |              |                                       |                  |                   |                        |                           |                               |                                        |                                        |                         |                          |                     |                                                 |                  | 45           | 14:22      | 972.85                            | 1.4                                   | 2.28                             | 2.3            | 234            | 249             | 250                    | 57                            | -                   | 82 | 72 |
|                     |           |                   |              |                                       |                  |                   |                        |                           |                               |                                        |                                        |                         |                          |                     |                                                 |                  | 50           | 14:27      | 976.96                            | 1.8                                   | 2.16                             | 2.2            | 233            | 249             | 250                    | 55                            | -                   | 82 | 68 |
|                     |           |                   |              |                                       |                  |                   |                        |                           |                               |                                        |                                        |                         |                          |                     |                                                 |                  | 55           | 14:32      | 980.94                            | 1.6                                   | 1.92                             | 2.0            | 233            | 249             | 250                    | 54                            | -                   | 83 | 68 |
|                     |           |                   |              |                                       |                  |                   |                        |                           |                               |                                        |                                        |                         |                          |                     |                                                 |                  | 60           | 14:37      | 984.88                            | 1.9                                   | 2.28                             | 2.3            | 234            | 249             | 250                    | 56                            | -                   | 82 | 68 |
|                     |           |                   |              |                                       |                  |                   |                        |                           |                               |                                        |                                        |                         |                          |                     |                                                 |                  | 65           | 14:42      | 988.81                            | 1.3                                   | 1.56                             | 1.6            | 233            | 249             | 250                    | 57                            | -                   | 82 | 68 |
|                     |           |                   |              |                                       |                  |                   |                        |                           |                               |                                        |                                        |                         |                          |                     |                                                 |                  | 70           | 14:47      | 990.20                            | 1.7                                   | 2.04                             | 2.0            | 233            | 249             | 250                    | 57                            | -                   | 82 | 68 |
|                     |           |                   |              |                                       |                  |                   |                        |                           |                               |                                        |                                        |                         |                          |                     |                                                 |                  | 75           | 14:52      | 992.07                            | 1.6                                   | 1.92                             | 2.0            | 233            | 249             | 250                    | 56                            | -                   | 81 | 68 |
|                     |           |                   |              |                                       |                  |                   |                        |                           |                               |                                        |                                        |                         |                          |                     |                                                 |                  | 80           | 14:57      | 993.85                            | 1.4                                   | 2.28                             | 2.3            | 234            | 249             | 250                    | 57                            | -                   | 81 | 68 |
|                     |           |                   |              |                                       |                  |                   |                        |                           |                               |                                        |                                        |                         |                          |                     |                                                 |                  | 85           | 15:02      | 995.58                            | 1.2                                   | 2.04                             | 2.0            | 232            | 248             | 250                    | 57                            | -                   | 81 | 68 |
|                     |           |                   |              |                                       |                  |                   |                        |                           |                               |                                        |                                        |                         |                          |                     |                                                 |                  | 90           | 15:07      | 997.660                           | 1.0                                   | 1.72                             | 1.8            | 233            | 248             | 250                    | 57                            | -                   | 81 | 68 |
|                     |           |                   |              |                                       |                  |                   |                        |                           |                               |                                        |                                        |                         |                          |                     |                                                 |                  | 95           | 15:12      | 1000.32                           | 1.0                                   | 1.72                             | 1.8            | 233            | 249             | 250                    | 57                            | -                   | 81 | 68 |
|                     |           |                   |              |                                       |                  |                   |                        |                           |                               |                                        |                                        |                         |                          |                     |                                                 |                  | 100          | 15:17      | 1002.53                           | 1.0                                   | 1.72                             | 1.8            | 233            | 249             | 250                    | 58                            | -                   | 81 | 68 |
|                     |           |                   |              |                                       |                  |                   |                        |                           |                               |                                        |                                        |                         |                          |                     |                                                 |                  | 105          | 15:22      | 1004.36                           | 1.1                                   | 1.84                             | 1.9            | 233            | 249             | 250                    | 59                            | -                   | 81 | 69 |
|                     |           |                   |              |                                       |                  |                   |                        |                           |                               |                                        |                                        |                         |                          |                     |                                                 |                  | 110          | 15:27      | 1006.25                           | 1.3                                   | 2.04                             | 2.0            | 233            | 249             | 250                    | 58                            | -                   | 81 | 69 |
|                     |           |                   |              |                                       |                  |                   |                        |                           |                               |                                        |                                        |                         |                          |                     |                                                 |                  | 115          | 15:32      | 1007.99                           | 1.3                                   | 2.04                             | 2.0            | 233            | 249             | 250                    | 60                            | -                   | 81 | 69 |
|                     |           |                   |              |                                       |                  |                   |                        |                           |                               |                                        |                                        |                         |                          |                     |                                                 |                  | 120          | 15:37      | 1009.706                          | 1.3                                   | 2.04                             | 2.0            | 233            | 249             | 250                    | 60                            | -                   | 81 | 69 |
| Averages            |           |                   |              |                                       |                  |                   |                        |                           |                               |                                        |                                        |                         |                          |                     |                                                 |                  |              |            |                                   |                                       |                                  |                |                |                 |                        |                               |                     |    |    |

|                                         |                             |                                   |  |
|-----------------------------------------|-----------------------------|-----------------------------------|--|
| <b>Project Information</b>              |                             | <b>Equipment Identification</b>   |  |
| Date <u>7/1</u>                         | Project # <u>042969</u>     | Ref. Thermometer <u>T-4</u>       |  |
| Customer / Facility <u>S.N.P. DVR</u>   |                             | Hygrometer <u>T-4</u>             |  |
| Unit ID / Sample Location <u>UNIT 2</u> |                             | Field Balance <u>23-AB-OAK-T4</u> |  |
| Run # <u>1-3 EPA 51202</u>              | Operator <u>NP/ELISE/AG</u> | Check Weights <u>WS-5</u>         |  |
|                                         |                             | Calipers <u>T-4</u>               |  |

|                                                                               |                |                                        |  |
|-------------------------------------------------------------------------------|----------------|----------------------------------------|--|
| <b>Balance Audit</b> (Field balance must be within 0.5g of check weight mass) |                | <b>Ambient Conditions (Mobile Lab)</b> |  |
| Date <u>7/16/24</u>                                                           | <u>7/17/24</u> | Relative humidity, % <u>—</u>          |  |
| Standard mass, g <u>500</u>                                                   | <u>500</u>     | Temperature, °F <u>70</u>              |  |
| Field balance mass, g <u>499.9</u>                                            | <u>499.9</u>   | Mobile lab # <u>Trailer 4</u>          |  |

| Moisture Determination |                     |         |       |       |         |       |       |         |        |       |  |
|------------------------|---------------------|---------|-------|-------|---------|-------|-------|---------|--------|-------|--|
|                        |                     | Run 1   |       |       | Run 2   |       |       | Run 3   |        |       |  |
|                        | Contents            | Initial | Final | Net   | Initial | Final | Net   | Initial | Final  | Net   |  |
| Knockout               | MT                  | 417.5   | 566.6 | 149.1 | 370.2   | 547.0 | 176.8 | 349.0   | 531.5  | 182.5 |  |
| Impinger 1             | MT                  | 558.6   | 573.1 | 14.5  | 567.8   | 578.3 | 10.5  | 548.4   | 680.9  | 9.0   |  |
| Impinger 2             | DI H <sub>2</sub> O | 677.6   | 712.3 | 34.7  | 685.5   | 704.0 | 18.5  | 667.6   | 680.9  | 13.3  |  |
| Impinger 3             | SG                  | 841.3   | 863.3 | 22.0  | 889.0   | 916.9 | 27.4  | 1000.2  | 1033.5 | 33.3  |  |
| Impinger 4             |                     |         |       |       |         |       |       |         |        |       |  |
| Impinger 5             |                     |         |       |       |         |       |       |         |        |       |  |
| Impinger 6             |                     |         |       |       |         |       |       |         |        |       |  |
| Impinger 7             |                     |         |       |       |         |       |       |         |        |       |  |
| Impinger 8             |                     |         |       |       |         |       |       |         |        |       |  |
| Silica Gel             |                     |         |       |       |         |       |       |         |        |       |  |
| Line Rinse             | LR                  | -20     |       |       |         |       | -20   |         |        | -20   |  |
| Train Net Gain (Vlc)   |                     |         |       | 200.3 |         |       |       |         | 213.2  | 218.1 |  |

557.4

|                                                                                                                                         |                                            |                                           |                                     |                                       |                                  |                                |              |         |  |
|-----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|-------------------------------------------|-------------------------------------|---------------------------------------|----------------------------------|--------------------------------|--------------|---------|--|
| <b>Nozzle Measurements</b> (Difference between any two measurements must not be more than 0.004 in (0.1 mm)) Edits - D. Duncan, 7/22/24 |                                            |                                           |                                     |                                       |                                  |                                |              |         |  |
| Nozzle 1 diameters                                                                                                                      | <u>0.184</u>                               | D1                                        | <u>0.184</u>                        | D2                                    | <u>0.184</u>                     | D3                             | <u>0.184</u> | Average |  |
| Nozzle 2 diameters                                                                                                                      |                                            | D1                                        |                                     | D2                                    |                                  | D3                             |              | Average |  |
| Nozzle 3 diameters                                                                                                                      |                                            | D1                                        |                                     | D2                                    |                                  | D3                             |              | Average |  |
| Nozzle Material                                                                                                                         | <input checked="" type="checkbox"/> quartz | <input checked="" type="checkbox"/> glass | <input type="checkbox"/> steel      | <input type="checkbox"/> titanium     | <input type="checkbox"/> inconel | <input type="checkbox"/> other |              |         |  |
| Probe Type                                                                                                                              | <input checked="" type="checkbox"/> heated | <input type="checkbox"/> unheated         | <input type="checkbox"/> air-cooled | <input type="checkbox"/> water-cooled | <input type="checkbox"/> other   |                                |              |         |  |
| Probe Liner                                                                                                                             | <input checked="" type="checkbox"/> quartz | <input type="checkbox"/> glass            | <input type="checkbox"/> steel      | <input type="checkbox"/> Teflon       | <input type="checkbox"/> other   |                                |              |         |  |

|                           |                                       |                                      |                                            |                                        |                                           |                      |  |  |  |
|---------------------------|---------------------------------------|--------------------------------------|--------------------------------------------|----------------------------------------|-------------------------------------------|----------------------|--|--|--|
| <b>Filter Information</b> |                                       |                                      |                                            |                                        |                                           |                      |  |  |  |
| Front Half:               | <input type="checkbox"/> quartz fiber | <input type="checkbox"/> glass fiber | <input type="checkbox"/> Teflon            | <input type="checkbox"/> Teflon/quartz | <input checked="" type="checkbox"/> other | <u>Teflon backed</u> |  |  |  |
| Filter Number:            | Run 1: <u>4966</u>                    | Run 2: <u>4252</u>                   | Run 3: <u>4999</u>                         | Run                                    | <u>FB</u>                                 | <u>4262</u>          |  |  |  |
| Back Half:                | <input type="checkbox"/> quartz fiber | <input type="checkbox"/> glass fiber | <input checked="" type="checkbox"/> Teflon | <input type="checkbox"/> Teflon/quartz | <input type="checkbox"/> other            |                      |  |  |  |

|                              |                |                            |
|------------------------------|----------------|----------------------------|
| <b>Reagent Information</b>   |                | <b>Sample Observations</b> |
| Type                         | Lot Number     |                            |
| <u>Type 1 H<sub>2</sub>O</u> | <u>R000740</u> |                            |
| <u>Acetone</u>               | <u>R000738</u> |                            |
| <u>Hexanes</u>               | <u>R000756</u> |                            |
|                              |                |                            |
|                              |                |                            |
|                              |                |                            |

QA/QC Check: Completeness \_\_\_ Legibility \_\_\_ Accuracy \_\_\_ Specifications \_\_\_

Checked by: \_\_\_\_\_ Team Leader: \_\_\_\_\_

001AS-QMS-FM-226

|                                                  |                         |                                            |  |
|--------------------------------------------------|-------------------------|--------------------------------------------|--|
| <b>Project Information</b>                       |                         | <b>Equipment Identification</b>            |  |
| Date <u>7/18/24</u>                              | Project # <u>042969</u> | N <sub>2</sub> Cylinder <u>XC 014 765B</u> |  |
| Customer / Facility <u>SUP DVP</u>               |                         | Thermocouple IDs                           |  |
| Unit ID / Sample Location <u>Unit 2 max load</u> |                         | CPM Filter Exit <u>8929</u>                |  |
| Run # <u>1-3-PM-2</u>                            |                         | Impinger Exit <u>Trailer 4</u>             |  |
| Operator <u>NP/SE</u>                            |                         |                                            |  |

| Run <u>1</u>                                                                            |                        |                         |                       |
|-----------------------------------------------------------------------------------------|------------------------|-------------------------|-----------------------|
| Start Time: <u>1020</u>                                                                 |                        |                         |                       |
| Elapsed Time min                                                                        | Nitrogen Flow Rate LPM | CPM Filter Exit Temp °F | Impinger Exit Temp °F |
| 0                                                                                       | <u>14</u>              | <u>73</u>               | <u>73</u>             |
| 15                                                                                      | <u>14</u>              | <u>72</u>               | <u>72</u>             |
| 30                                                                                      | <u>14</u>              | <u>73</u>               | <u>73</u>             |
| 45                                                                                      | <u>14</u>              | <u>73</u>               | <u>73</u>             |
| 60                                                                                      | <u>14</u>              | <u>73</u>               | <u>73</u>             |
| Stop Time: <u>1120</u>                                                                  |                        |                         |                       |
| Water added for purge? Y <input type="checkbox"/> N <input checked="" type="checkbox"/> |                        |                         |                       |

| Run <u>2</u>                                                                            |                         |                       |  |
|-----------------------------------------------------------------------------------------|-------------------------|-----------------------|--|
| Start Time: <u>1315</u>                                                                 |                         |                       |  |
| Nitrogen Flow Rate LPM                                                                  | CPM Filter Exit Temp °F | Impinger Exit Temp °F |  |
| <u>14</u>                                                                               | <u>72</u>               | <u>72</u>             |  |
| <u>14</u>                                                                               | <u>72</u>               | <u>72</u>             |  |
| <u>14</u>                                                                               | <u>72</u>               | <u>72</u>             |  |
| <u>14</u>                                                                               | <u>72</u>               | <u>72</u>             |  |
| <u>14</u>                                                                               | <u>72</u>               | <u>72</u>             |  |
| Stop Time: <u>1415</u>                                                                  |                         |                       |  |
| Water added for purge? Y <input type="checkbox"/> N <input checked="" type="checkbox"/> |                         |                       |  |

| Run <u>3</u>                                                                            |                         |                       |  |
|-----------------------------------------------------------------------------------------|-------------------------|-----------------------|--|
| Start Time: <u>1600</u>                                                                 |                         |                       |  |
| Nitrogen Flow Rate LPM                                                                  | CPM Filter Exit Temp °F | Impinger Exit Temp °F |  |
| <u>14</u>                                                                               | <u>74</u>               | <u>74</u>             |  |
| <u>14</u>                                                                               | <u>74</u>               | <u>74</u>             |  |
| <u>14</u>                                                                               | <u>74</u>               | <u>74</u>             |  |
| <u>14</u>                                                                               | <u>74</u>               | <u>74</u>             |  |
| <u>14</u>                                                                               | <u>74</u>               | <u>74</u>             |  |
| Stop Time: <u>1700</u>                                                                  |                         |                       |  |
| Water added for purge? Y <input type="checkbox"/> N <input checked="" type="checkbox"/> |                         |                       |  |

| Run _____                                                                    |                        |                         |                       |
|------------------------------------------------------------------------------|------------------------|-------------------------|-----------------------|
| Start Time: _____                                                            |                        |                         |                       |
| Elapsed Time min                                                             | Nitrogen Flow Rate LPM | CPM Filter Exit Temp °F | Impinger Exit Temp °F |
| 0                                                                            |                        |                         |                       |
| 15                                                                           |                        |                         |                       |
| 30                                                                           |                        |                         |                       |
| 45                                                                           |                        |                         |                       |
| 60                                                                           |                        |                         |                       |
| Stop Time: _____                                                             |                        |                         |                       |
| Water added for purge? Y <input type="checkbox"/> N <input type="checkbox"/> |                        |                         |                       |

| Run _____                                                                    |                         |                       |  |
|------------------------------------------------------------------------------|-------------------------|-----------------------|--|
| Start Time: _____                                                            |                         |                       |  |
| Nitrogen Flow Rate LPM                                                       | CPM Filter Exit Temp °F | Impinger Exit Temp °F |  |
|                                                                              |                         |                       |  |
|                                                                              |                         |                       |  |
|                                                                              |                         |                       |  |
|                                                                              |                         |                       |  |
|                                                                              |                         |                       |  |
| Stop Time: _____                                                             |                         |                       |  |
| Water added for purge? Y <input type="checkbox"/> N <input type="checkbox"/> |                         |                       |  |

**Note:**

- Was water added to dropout impinger for purge: check yes or no
- If water was added, input amount on Sample Recovery Sheet for Moisture Determination 001AS-QMS-FM-226
- Flow meter range must be at least 14 liters/minute
- CPM Filter Exit temp must be between 65 -85 °F
- Impinger Exit temp must be <68°F
- Impinger Exit temp is not required if impingers were weighed prior to purge

QA/QC Check:    Completeness \_\_\_\_    Legibility \_\_\_\_    Accuracy \_\_\_\_    Specifications \_\_\_\_

Checked by: \_\_\_\_\_    Data Custodian: \_\_\_\_\_

001AS-QMS-FM-227



MONTROSE  
AIR QUALITY SERVICES

FPA Method 5/202 Field Datasheet (Isokinetic)

Page 1 of 1

|                        |              |                                     |                                  |                                                 |            |                 |     |                   |       |                               |                     |
|------------------------|--------------|-------------------------------------|----------------------------------|-------------------------------------------------|------------|-----------------|-----|-------------------|-------|-------------------------------|---------------------|
| Project Information    |              | Sampling Conditions                 |                                  | ALT 011                                         |            | TC ID:          |     | Ambient °F        |       | Ref. °F                       |                     |
| Date                   | 7/18/24      | Project #                           | P042969                          | Static Pressure, in. H <sub>2</sub> O           | .20        | Stack           |     |                   |       |                               |                     |
| Customer/Facility      | S.V.P. DWR   | Unit ID/Sample Location             | Unit #2 AAAX                     | Barometric Pressure, in. Hg                     | 29.99      | Probe           |     |                   |       |                               |                     |
| Run #                  | 1-PM-2       | Operator                            | E.C.                             | Wind Speed / Direction                          | NW 0.5 mph | Filter Box      |     |                   |       |                               |                     |
| Sampling Equipment IDs |              | Equipment Checks                    |                                  | Probe / Filter Temp Range, °F                   |            | Filter Exit     |     | Meter Outlet      |       | Impinger Exit                 |                     |
| Meterbox ID            | CB18         | Meterbox Y                          | 0.990                            | Pilot (+), pass @ in. H <sub>2</sub> O          | 3.8        | Mid             |     | Post              |       |                               |                     |
| Umbilical ID           | UL-206       | Meterbox ΔH @, in. H <sub>2</sub> O | 1.945                            | Pilot (-), pass @ in. H <sub>2</sub> O          | 3.6        |                 |     |                   |       |                               |                     |
| Nozzle ID              | 4-184-6      | Nozzle diameter, Dn, in.            | 0.194                            | Pilot visual inspection                         | pass       |                 |     |                   |       |                               |                     |
| Pilot / Probe ID       | 101-NP-6     | Pilot coefficient, Cp               | 0.84                             | Nozzle visual inspection                        | pass       |                 |     |                   |       |                               |                     |
| Manometer ID           | C3-18        | Manometer zero and level            | Yes                              | Meter, cfm @ in. Hg                             | 0.01 @ 8   |                 |     |                   |       |                               |                     |
| Sensitivity            | 0.01         | K-Factor                            | 0.85                             | Intermediate leak check volume, ft <sup>3</sup> | 0.01 @ 9   |                 |     |                   |       |                               |                     |
| Office Pressure        |              | Velocity Head                       |                                  | Stack Temp, °F                                  |            | Filter Temp, °F |     | Impinger Temp, °F |       | Dry Gas Meter Temperature, °F |                     |
| Traverse Point #       | Elapsed Time | Clock Time 24hr                     | DGM Reading, Vm, ft <sup>3</sup> | ΔP in H <sub>2</sub> O                          | Target     | Actual          | Box | Exit              | Inlet | Outlet                        | Pump Vacuum, in. Hg |
| 6                      | 0            | 745                                 | 012.616                          | 1.4                                             | 1.19       | 1.2             | 237 | 237               | 255   | 260                           | 74                  |
| 5                      | 5            | 750                                 | 015.772                          | .97                                             | 0.824      | .82             | 239 | 239               | 255   | 254                           | 73                  |
| 4                      | 10           | 755                                 | 018.13                           | .95                                             | 0.807      | .81             | 240 | 240               | 255   | 245                           | 71                  |
| 3                      | 15           | 800                                 | 020.51                           | 1.1                                             | 0.935      | .94             | 237 | 237               | 254   | 248                           | 71                  |
| 2                      | 20           | 805                                 | 023.14                           | 1.1                                             | 0.935      | .94             | 241 | 241               | 255   | 249                           | 71                  |
| 1                      | 25           | 810                                 | 026.76                           | 1.0                                             | 0.85       | .85             | 235 | 235               | 254   | 253                           | 71                  |
| Pc/6                   | 30           | 815                                 | 028.197                          | 46.14                                           | 0.85       | 1.00            | 242 | 242               | 253   | 251                           | 74                  |
| 5                      | 35           | 822                                 | 030.97                           | 1.2                                             | 1.07       | 1.0             | 240 | 240               | 255   | 251                           | 76                  |
| 4                      | 40           | 827                                 | 033.73                           | .93                                             | 0.790      | .79             | 237 | 237               | 253   | 252                           | 76                  |
| 3                      | 45           | 832                                 | 036.17                           | .94                                             | 0.799      | .80             | 237 | 237               | 253   | 251                           | 75                  |
| 2                      | 50           | 837                                 | 038.59                           | 1.0                                             | 0.85       | .85             | 235 | 235               | 254   | 251                           | 71                  |
| 1                      | 55           | 842                                 | 041.12                           | 1.1                                             | 0.935      | .94             | 240 | 240               | 254   | 252                           | 71                  |
| Pc/6                   | 60           | 847                                 | 043.710                          | 1.9                                             | 1.615      | 1.6             | 238 | 238               | 254   | 254                           | 71                  |
| 5                      | 65           | 854                                 | 046.41                           | 1.9                                             | 1.615      | 1.6             | 237 | 237               | 254   | 254                           | 71                  |
| 4                      | 70           | 859                                 | 050.11                           | 1.8                                             | 1.53       | 1.5             | 236 | 236               | 254   | 254                           | 74                  |
| 3                      | 75           | 904                                 | 053.54                           | 2.0                                             | 1.7        | 1.7             | 232 | 232               | 254   | 251                           | 77                  |
| 2                      | 80           | 909                                 | 058.1                            | 1.6                                             | 1.36       | 1.4             | 233 | 233               | 255   | 251                           | 77                  |
| 1                      | 85           | 914                                 | 060.42                           | 1.3                                             | 1.105      | 1.1             | 237 | 237               | 254   | 251                           | 77                  |
| Pc/6                   | 90           | 919                                 | 063.301                          | 1.6                                             | 1.36       | 1.4             | 239 | 239               | 255   | 251                           | 79                  |
| 5                      | 95           | 926                                 | 066.683                          | 1.9                                             | 1.615      | 1.6             | 239 | 239               | 255   | 255                           | 78                  |
| 4                      | 100          | 931                                 | 070.07                           | 1.9                                             | 1.615      | 1.6             | 237 | 237               | 254   | 254                           | 80                  |
| 3                      | 105          | 936                                 | 073.26                           | 1.8                                             | 1.53       | 1.5             | 234 | 234               | 253   | 250                           | 82                  |
| 2                      | 110          | 941                                 | 076.81                           | 1.9                                             | 1.615      | 1.6             | 234 | 234               | 254   | 252                           | 83                  |
| 1                      | 115          | 946                                 | 080.20                           | 1.6                                             | 1.36       | 1.4             | 233 | 233               | 254   | 249                           | 84                  |
| end                    | 120          | 951                                 | 083.483                          |                                                 |            |                 |     |                   |       |                               | 83                  |
| Averages               |              |                                     | 70.867                           | 1.4079                                          | 1.214      | 237.1           |     |                   |       |                               |                     |

QA/QC Check: Completeness \_\_\_\_\_ Legibility \_\_\_\_\_ Accuracy \_\_\_\_\_ Specifications \_\_\_\_\_ Checked By \_\_\_\_\_

Team Leader

Edits - D. Duncan, 7/22/24

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| Project Information    |              |                   |                      | Sampling Conditions                    |                                     |                |                | ALT 011         |                   |                               |                     |
|------------------------|--------------|-------------------|----------------------|----------------------------------------|-------------------------------------|----------------|----------------|-----------------|-------------------|-------------------------------|---------------------|
| Date                   | Project #    | Customer/Facility | Location             | Static Pressure, in. H <sub>2</sub> O  | Ambient Temp, °F                    | TC ID:         | Ambient °F     | Ref. °F         | Ref. °F           | Ref. °F                       | Ref. °F             |
| 7-18-24                | PRJ-042969   | S.V.P. DWR        | Unit #1 MAX          | 0.990                                  | 77°                                 |                |                |                 |                   |                               |                     |
| Run #                  | 2-PM-2       | Operator          | E.C.                 | Barometric Pressure, in. Hg            | 29.99                               |                |                |                 |                   |                               |                     |
| Sampling Equipment IDs |              |                   |                      | Wind Speed / Direction                 | 87 mph                              |                |                |                 |                   |                               |                     |
| Meterbox ID            | CB-18        |                   |                      | Probe / Filter Temp Range, °F          | 248 ± 25                            |                |                |                 |                   |                               |                     |
| Umbilical ID           | 46-206       |                   |                      | Equipment Checks                       |                                     |                |                |                 |                   |                               |                     |
| Nozzle ID              | 4-184-6      |                   |                      | Pitot (+), pass @ in. H <sub>2</sub> O | Pre                                 | Mid            | Post           |                 |                   |                               |                     |
| Pitot / Probe ID       | 101-MP-6     |                   |                      | Pitot (-), pass @ in. H <sub>2</sub> O | 3.8                                 | 3.7            | 2.7            |                 |                   |                               |                     |
| Manometer ID           | CB-18        |                   |                      | Nozzle visual inspection               | pass                                | pass           | pass           |                 |                   |                               |                     |
| Sensitivity            | 0.01         |                   |                      | Meter, cfm @ in. Hg                    | 0.001 @ 4                           | 0.001 @ 10     |                |                 |                   |                               |                     |
| K-Factor               |              |                   |                      | 0.85                                   | Intermediate leak check volume, ft³ |                |                |                 |                   |                               |                     |
| Traverse Point #       | Elapsed Time | Clock Time        | DGM Reading, Vm, ft³ | Velocity Head, ΔP in H <sub>2</sub> O  | Orifice Pressure Differential, ΔH   | Stack Temp, °F | Probe Temp, °F | Filter Temp, °F | Impinger Temp, °F | Dry Gas Meter Temperature, °F | Pump Vacuum, in. Hg |
|                        |              |                   |                      |                                        | Target                              | Actual         | Box            | Outlet          | Inlet             | Inlet                         |                     |
| 6                      | 0            | 10:32             | 098.712              | 1.9                                    | 1.615                               | 1.6            | 249            | 246             | 249               | 83                            | 69                  |
| 5                      | 5            | 10:37             | 102.31               | 1.9                                    | 1.615                               | 1.6            | 240            | 255             | 245               | 83                            | 69                  |
| 4                      | 10           | 10:42             | 105.40               | 1.8                                    | 1.53                                | 1.5            | 243            | 250             | 247               | 83                            | 69                  |
| 3                      | 15           | 10:47             | 108.73               | 2.0                                    | 1.7                                 | 1.7            | 242            | 251             | 245               | 83                            | 68                  |
| 2                      | 20           | 10:52             | 112.15               | 1.5                                    | 1.275                               | 1.3            | 238            | 255             | 245               | 84                            | 69                  |
| 1                      | 25           | 10:57             | 115.40               | 1.3                                    | 1.10                                | 1.1            | 236            | 255             | 245               | 84                            | 69                  |
| PC/6                   | 30           | 11:00/11:04       | 118.326              | 1.8                                    | 1.53                                | 1.5            | 243            | 255             | 245               | 84                            | 68                  |
| 5                      | 35           | 11:09             | 121.84               | 2.1                                    | 1.785                               | 1.8            | 245            | 246             | 249               | 84                            | 69                  |
| 4                      | 40           | 11:14             | 125.27               | 1.8                                    | 1.53                                | 1.5            | 244            | 247             | 247               | 85                            | 70                  |
| 3                      | 45           | 11:19             | 128.26               | 1.9                                    | 1.615                               | 1.6            | 243            | 247             | 245               | 85                            | 70                  |
| 2                      | 50           | 11:24             | 131.84               | 2.0                                    | 1.7                                 | 1.7            | 237            | 256             | 245               | 85                            | 70                  |
| 1                      | 55           | 11:29             | 135.54               | 1.6                                    | 1.36                                | 1.4            | 237            | 264             | 249               | 85                            | 72                  |
| PC/6                   | 60           | 11:34/11:36       | 138.749              | 1.5                                    | 1.27                                | 1.3            | 245            | 248             | 247               | 85                            | 73                  |
| 5                      | 65           | 11:41             | 142.07               | 0.94                                   | 0.799                               | 0.80           | 242            | 256             | 248               | 85                            | 73                  |
| 4                      | 70           | 11:46             | 144.48               | 0.94                                   | 0.841                               | 0.84           | 246            | 245             | 244               | 86                            | 74                  |
| 3                      | 75           | 11:51             | 146.88               | 1.2                                    | 1.02                                | 1.0            | 240            | 251             | 253               | 86                            | 74                  |
| 2                      | 80           | 11:56             | 149.45               | 1.0                                    | 0.85                                | 0.85           | 237            | 248             | 253               | 85                            | 77                  |
| 1                      | 85           | 12:01             | 152.17               | 1.0                                    | 0.85                                | 0.85           | 236            | 254             | 252               | 86                            | 74                  |
| PC/6                   | 90           | 12:06/12:08       | 154.903              | 1.7                                    | 1.445                               | 1.4            | 245            | 245             | 250               | 85                            | 71                  |
| 5                      | 95           | 12:13             | 158.62               | 1.5                                    | 1.615                               | 1.6            | 243            | 262             | 254               | 85                            | 68                  |
| 4                      | 100          | 12:18             | 161.41               | 0.93                                   | 0.79                                | 0.79           | 244            | 248             | 254               | 85                            | 68                  |
| 3                      | 105          | 12:23             | 163.65               | 0.98                                   | 0.833                               | 0.83           | 238            | 249             | 254               | 85                            | 68                  |
| 2                      | 110          | 12:28             | 166.11               | 7.0                                    | 0.83                                | 0.85           | 235            | 249             | 250               | 86                            | 68                  |
| 1                      | 115          | 12:33             | 168.67               | 1.0                                    | 0.85                                | 0.85           | 233            | 250             | 248               | 85                            | 64                  |
| PC/6                   | 120          | 12:38             | 171.187              |                                        |                                     |                |                |                 |                   | 86                            | 70                  |
| Averages               |              |                   | 72.475               | 1.4589                                 | 1.266                               | 244.7          |                |                 |                   | 84.8                          |                     |

QA/QC Check: Completeness \_\_\_\_\_ Legitimacy \_\_\_\_\_ Accuracy \_\_\_\_\_ Checked By \_\_\_\_\_ Team Leader \_\_\_\_\_

Edits - D. Duncan, 7/22/24 1.261

| Project Information                             |     |              |         | Sampling Conditions                             |      |                                  |     | ALT 011                                               |     |                                   |    | TC ID:                                                |    |                 |  | Ambient °F                                      |  |                               |  | Ref. °F                                         |  |  |  |
|-------------------------------------------------|-----|--------------|---------|-------------------------------------------------|------|----------------------------------|-----|-------------------------------------------------------|-----|-----------------------------------|----|-------------------------------------------------------|----|-----------------|--|-------------------------------------------------|--|-------------------------------|--|-------------------------------------------------|--|--|--|
| Date <u>07/18/24</u> Project # <u>042969</u>    |     |              |         | Static Pressure, in. H <sub>2</sub> O <u>20</u> |      |                                  |     | Ambient Temp, °F <u>78</u>                            |     |                                   |    | Stack <u>101-NP-6</u>                                 |    |                 |  | Ambient °F <u>82</u>                            |  |                               |  | Ref. °F <u>82.1</u>                             |  |  |  |
| Customer/Facility <u>S.V.P. DNR</u>             |     |              |         | Barometric Pressure, in. Hg <u>29.99</u>        |      |                                  |     | Ref. Barometer ID                                     |     |                                   |    | Probe <u>101-NP-6</u>                                 |    |                 |  | Ambient °F <u>82</u>                            |  |                               |  | Ref. °F <u>82.2</u>                             |  |  |  |
| Unit ID/Sample Location <u>UNIT #2 MAX LOAD</u> |     |              |         | Wind Speed / Direction <u>W 6 MPH</u>           |      |                                  |     | Precipitation, Y/N type <u>NA</u>                     |     |                                   |    | Filter Box <u>03-7</u>                                |    |                 |  | Ambient °F <u>82</u>                            |  |                               |  | Ref. °F <u>82.2</u>                             |  |  |  |
| Run # <u>3-PM-2</u> Operator <u>SF</u>          |     |              |         | Probe / Filter Temp Range, °F <u>250 +1-25</u>  |      |                                  |     |                                                       |     |                                   |    | Filter Exit <u>101-NP-6</u>                           |    |                 |  | Ambient °F <u>83</u>                            |  |                               |  | Ref. °F <u>83.1</u>                             |  |  |  |
| Sampling Equipment IDs                          |     |              |         | Calibration                                     |      |                                  |     | Equipment Checks                                      |     |                                   |    | Pre                                                   |    |                 |  | Mid                                             |  |                               |  | Post                                            |  |  |  |
| Meterbox ID <u>CB-1B</u>                        |     |              |         | Meterbox Y <u>0.990</u>                         |      |                                  |     | Pilot (+), pass @ in. H <sub>2</sub> O <u>100 @ 6</u> |     |                                   |    | Pilot (-), pass @ in. H <sub>2</sub> O <u>100 @ 5</u> |    |                 |  | Pilot visual inspection <u>pass</u>             |  |                               |  | Pilot visual inspection <u>pass</u>             |  |  |  |
| Umbilical ID <u>UC-206</u>                      |     |              |         | Meterbox ΔH, in. H <sub>2</sub> O <u>1.945</u>  |      |                                  |     | Pilot (-), pass @ in. H <sub>2</sub> O <u>100 @ 5</u> |     |                                   |    | Pilot visual inspection <u>pass</u>                   |    |                 |  | Pilot visual inspection <u>pass</u>             |  |                               |  | Pilot visual inspection <u>pass</u>             |  |  |  |
| Nozzle ID <u>4-184-6</u>                        |     |              |         | Nozzle diameter, Dn, in. <u>0.584</u>           |      |                                  |     | Pilot visual inspection <u>pass</u>                   |     |                                   |    | Pilot visual inspection <u>pass</u>                   |    |                 |  | Pilot visual inspection <u>pass</u>             |  |                               |  | Pilot visual inspection <u>pass</u>             |  |  |  |
| Pilot / Probe ID <u>101-NP-6</u>                |     |              |         | Pilot coefficient, Cp <u>0.84</u>               |      |                                  |     | Nozzle visual inspection <u>pass</u>                  |     |                                   |    | Nozzle visual inspection <u>pass</u>                  |    |                 |  | Nozzle visual inspection <u>pass</u>            |  |                               |  | Nozzle visual inspection <u>pass</u>            |  |  |  |
| Manometer ID <u>CB-1B</u>                       |     |              |         | Manometer zero and level <u>yes</u>             |      |                                  |     | Meter, cm @ in. Hg <u>0.01 @ 15"</u>                  |     |                                   |    | Meter, cm @ in. Hg <u>0.01 @ 15"</u>                  |    |                 |  | Meter, cm @ in. Hg <u>0.01 @ 15"</u>            |  |                               |  | Meter, cm @ in. Hg <u>0.01 @ 15"</u>            |  |  |  |
| Sensitivity <u>0.01</u>                         |     |              |         | K-Factor <u>0.85</u>                            |      |                                  |     | Intermediate leak check volume, ft <sup>3</sup>       |     |                                   |    | Intermediate leak check volume, ft <sup>3</sup>       |    |                 |  | Intermediate leak check volume, ft <sup>3</sup> |  |                               |  | Intermediate leak check volume, ft <sup>3</sup> |  |  |  |
| Traverse Point #                                |     | Elapsed Time |         | Clock Time 24hr                                 |      | DGM Reading, Vm, ft <sup>3</sup> |     | Velocity Head, ΔP in H <sub>2</sub> O                 |     | Orifice Pressure Differential, ΔH |    | Probe Temp, °F                                        |    | Filler Temp, °F |  | Impinger Temp, °F                               |  | Dry Gas Meter Temperature, °F |  | Pump Vacuum, in. Hg                             |  |  |  |
|                                                 |     |              |         |                                                 |      |                                  |     |                                                       |     | Target Actual                     |    |                                                       |    | Box Exp         |  | Inlet Outlet                                    |  | Inlet Outlet                  |  |                                                 |  |  |  |
| 6                                               | 0   | 0315         | 184.080 | 1.7                                             | 1.44 | 1.4                              | 243 | 245                                                   | 249 | 240                               | 51 | 85                                                    | 68 | 5               |  |                                                 |  |                               |  |                                                 |  |  |  |
| 5                                               | 5   | 1320         | 187.285 | 1.8                                             | 1.53 | 1.5                              | 241 | 249                                                   | 251 | 249                               | 52 | 85                                                    | 68 | 5               |  |                                                 |  |                               |  |                                                 |  |  |  |
| 4                                               | 10  | 1325         | 190.615 | 1.8                                             | 1.53 | 1.5                              | 243 | 250                                                   | 248 | 246                               | 52 | 86                                                    | 69 | 5               |  |                                                 |  |                               |  |                                                 |  |  |  |
| 3                                               | 15  | 1330         | 193.955 | 1.9                                             | 1.61 | 1.6                              | 244 | 251                                                   | 246 | 243                               | 52 | 86                                                    | 70 | 5               |  |                                                 |  |                               |  |                                                 |  |  |  |
| 2                                               | 20  | 1335         | 197.275 | 1.6                                             | 1.36 | 1.4                              | 240 | 255                                                   | 247 | 241                               | 53 | 87                                                    | 71 | 5               |  |                                                 |  |                               |  |                                                 |  |  |  |
| 1                                               | 25  | 1340         | 200.270 | 1.3                                             | 1.10 | 1.1                              | 237 | 253                                                   | 250 | 245                               | 54 | 87                                                    | 71 | 4               |  |                                                 |  |                               |  |                                                 |  |  |  |
| PC/6                                            | 30  | 1345         | 203.580 | 1.7                                             | 1.44 | 1.4                              | 245 | 249                                                   | 245 | 239                               | 52 | 86                                                    | 71 | 5               |  |                                                 |  |                               |  |                                                 |  |  |  |
| 5                                               | 35  | 1353         | 206.830 | 2.0                                             | 1.70 | 1.7                              | 245 | 244                                                   | 250 | 239                               | 52 | 86                                                    | 71 | 5               |  |                                                 |  |                               |  |                                                 |  |  |  |
| 4                                               | 40  | 1358         | 210.290 | 1.9                                             | 1.61 | 1.6                              | 244 | 249                                                   | 247 | 240                               | 53 | 86                                                    | 70 | 5               |  |                                                 |  |                               |  |                                                 |  |  |  |
| 3                                               | 45  | 1403         | 213.820 | 1.9                                             | 1.61 | 1.6                              | 243 | 248                                                   | 250 | 241                               | 53 | 86                                                    | 71 | 5               |  |                                                 |  |                               |  |                                                 |  |  |  |
| 2                                               | 50  | 1408         | 217.325 | 1.8                                             | 1.53 | 1.5                              | 245 | 251                                                   | 255 | 245                               | 54 | 86                                                    | 70 | 5               |  |                                                 |  |                               |  |                                                 |  |  |  |
| 1                                               | 55  | 1413         | 220.690 | 1.5                                             | 1.27 | 1.3                              | 243 | 249                                                   | 253 | 241                               | 55 | 86                                                    | 71 | 4               |  |                                                 |  |                               |  |                                                 |  |  |  |
| PC/6                                            | 60  | 1418         | 223.845 | 1.4                                             | 1.19 | 1.2                              | 241 | 250                                                   | 252 | 239                               | 55 | 86                                                    | 72 | 4               |  |                                                 |  |                               |  |                                                 |  |  |  |
| 5                                               | 65  | 1426         | 226.920 | 1.3                                             | 0.79 | 0.79                             | 245 | 247                                                   | 255 | 234                               | 54 | 85                                                    | 71 | 3               |  |                                                 |  |                               |  |                                                 |  |  |  |
| 4                                               | 70  | 1431         | 229.400 | 1.94                                            | 0.79 | 0.79                             | 244 | 249                                                   | 250 | 240                               | 54 | 85                                                    | 72 | 3               |  |                                                 |  |                               |  |                                                 |  |  |  |
| 3                                               | 75  | 1436         | 231.855 | 1.0                                             | 0.85 | 0.85                             | 244 | 250                                                   | 253 | 244                               | 54 | 84                                                    | 73 | 4               |  |                                                 |  |                               |  |                                                 |  |  |  |
| 2                                               | 80  | 1441         | 234.415 | 1.1                                             | 0.93 | 0.93                             | 243 | 252                                                   | 251 | 241                               | 54 | 84                                                    | 73 | 4               |  |                                                 |  |                               |  |                                                 |  |  |  |
| 1                                               | 85  | 1446         | 237.075 | 1.1                                             | 0.93 | 0.93                             | 244 | 249                                                   | 252 | 242                               | 55 | 84                                                    | 72 | 4               |  |                                                 |  |                               |  |                                                 |  |  |  |
| PC/6                                            | 90  | 1451         | 239.735 | 1.0                                             | 1.53 | 1.5                              | 244 | 251                                                   | 249 | 240                               | 55 | 83                                                    | 72 | 5               |  |                                                 |  |                               |  |                                                 |  |  |  |
| 5                                               | 95  | 1459         | 242.105 | 1.9                                             | 1.61 | 1.6                              | 242 | 250                                                   | 250 | 243                               | 55 | 83                                                    | 73 | 5               |  |                                                 |  |                               |  |                                                 |  |  |  |
| 4                                               | 100 | 1504         | 246.520 | 1.94                                            | 0.79 | 0.79                             | 243 | 252                                                   | 250 | 247                               | 56 | 83                                                    | 72 | 4               |  |                                                 |  |                               |  |                                                 |  |  |  |
| 3                                               | 105 | 1509         | 249.645 | 1.97                                            | 0.82 | 0.82                             | 245 | 254                                                   | 254 | 246                               | 55 | 83                                                    | 72 | 3               |  |                                                 |  |                               |  |                                                 |  |  |  |
| 2                                               | 110 | 1514         | 252.140 | 1.1                                             | 0.93 | 0.93                             | 244 | 250                                                   | 251 | 247                               | 55 | 83                                                    | 71 | 5               |  |                                                 |  |                               |  |                                                 |  |  |  |
| 1                                               | 115 | 1519         | 254.755 | 1.0                                             | 0.85 | 0.85                             | 244 | 251                                                   | 252 | 242                               | 55 | 83                                                    | 72 | 4               |  |                                                 |  |                               |  |                                                 |  |  |  |
| FND                                             | 120 | 1524         | 257.405 | —                                               | —    | —                                | —   | —                                                     | —   | —                                 | —  | —                                                     | —  | —               |  |                                                 |  |                               |  |                                                 |  |  |  |
|                                                 |     |              |         | 1.4350                                          |      |                                  |     |                                                       |     |                                   |    |                                                       |    |                 |  |                                                 |  |                               |  |                                                 |  |  |  |
| Averages                                        |     |              |         | 1.435                                           |      | 1.435                            |     | 243.2                                                 |     |                                   |    | 85.0                                                  |    |                 |  |                                                 |  |                               |  |                                                 |  |  |  |

## **Appendix A.3**

### **Ammonia Data Sheets**

|                                                    |                          |                                   |  |
|----------------------------------------------------|--------------------------|-----------------------------------|--|
| <b>Project Information</b>                         |                          | <b>Equipment Identification</b>   |  |
| Date <u>7/15-16/24</u>                             | Project # <u>-042969</u> | Ref. Thermometer <u>T-4</u>       |  |
| Customer / Facility <u>S.V.P. DVR</u>              |                          | Hygrometer <u>T-4</u>             |  |
| Unit ID / Sample Location <u>Unit 1 Base / max</u> |                          | Field Balance <u>23-AB-0AK-T4</u> |  |
| Run # <u>1-3 NH3 - (Base) Operator NP/EG/SF/66</u> |                          | Check Weights <u>WS-6</u>         |  |
| <u>4-6 NH3 - (MAX)</u>                             |                          | Calipers <u>T-4</u>               |  |

|                                                                               |                |                                        |  |
|-------------------------------------------------------------------------------|----------------|----------------------------------------|--|
| <b>Balance Audit</b> (Field balance must be within 0.5g of check weight mass) |                | <b>Ambient Conditions (Mobile Lab)</b> |  |
| Date <u>7/15/24</u>                                                           | <u>7/16/24</u> | Relative humidity, % <u>      </u>     |  |
| Standard mass, g <u>500.0</u>                                                 | <u>500.0</u>   | Temperature, °F <u>74</u>              |  |
| Field balance mass, g <u>500.1</u>                                            | <u>500.1</u>   | Mobile lab # <u>Trailer 4</u>          |  |

| Moisture Determination |                          |         |         | 1-NH <sub>3</sub> -1-BASE |                          |         | 2-NH <sub>3</sub> -1-BASE |                          |         | 3-NH <sub>3</sub> -1-BASE |  |  |
|------------------------|--------------------------|---------|---------|---------------------------|--------------------------|---------|---------------------------|--------------------------|---------|---------------------------|--|--|
|                        |                          | Run 1   |         |                           | Run 2                    |         |                           | Run 3                    |         |                           |  |  |
|                        | Contents                 | Initial | Final   | Net                       | Initial                  | Final   | Net                       | Initial                  | Final   | Net                       |  |  |
| Knockout               | 0.1NHCl                  | 665.8   | 724.3   | 68.5                      | 656.7                    | 697.2   | 40.5                      | 660.6                    | 711.5   | 50.9                      |  |  |
| Impinger 1             | 0.1NHCl                  | 659.9   | 654.2   | -5.7                      | 653.1                    | 661.7   | 8.6                       | 664.1                    | 666.2   | 2.1                       |  |  |
| Impinger 2             | MT                       | 550.0   | 546.9   | -3.1                      | 546.3                    | 550.6   | 4.3                       | 540.5                    | 547.2   | 1.7                       |  |  |
| Impinger 3             | S.G.                     | 1019.4  | 1028.5  | 9.1                       | 788.2                    | 794.9   | 6.7                       | 908.7                    | 916.4   | 7.7                       |  |  |
| Impinger 4             |                          | 1019.4  | Total → | 68.8                      |                          | Total → | 60.1                      |                          | Total → | 62.4                      |  |  |
| Impinger 5             | 4-NH <sub>3</sub> -1-MAX |         |         |                           | 5-NH <sub>3</sub> -1-MAX |         |                           | 6-NH <sub>3</sub> -1-MAX |         |                           |  |  |
| Impinger 6             | 0.1NHCl                  | 655.2   | 716.5   | 59.3                      | 647.1                    | 708.8   | 61.7                      | 663.9                    | 724.4   | 60.5                      |  |  |
| Impinger 7             | 0.1NHCl                  | 655.6   | 656.7   | 1.1                       | 663.2                    | 665.0   | 1.8                       | 666.6                    | 667.4   | 0.8                       |  |  |
| Impinger 8             | MT                       | 546.9   | 547.4   | 0.5                       | 550.6                    | 552.0   | 1.4                       | 542.2                    | 541.3   | -0.9                      |  |  |
| Silica Gel             | S.G.                     | 942.3   | 1033.0  | 90.7                      | 788.7                    | 805.9   | 17.2                      | 908.7                    | 922.1   | 13.4                      |  |  |
| Line Rinse             |                          | 1028.5  |         |                           | 794.9                    |         |                           | 916.4                    |         |                           |  |  |
| Train Net Gain (Vlc)   |                          |         |         | 66.0                      |                          |         |                           |                          | 75.9    | 66.1                      |  |  |

**Nozzle Measurements** (Difference between any two measurements must not be more than 0.004 in (0.1 mm))

Nozzle 1 diameters: D1 \_\_\_\_\_ D2 \_\_\_\_\_ D3 \_\_\_\_\_ Average \_\_\_\_\_

Nozzle 2 diameters: D1 \_\_\_\_\_ D2 \_\_\_\_\_ D3 \_\_\_\_\_ Average \_\_\_\_\_

Nozzle 3 diameters: D1 \_\_\_\_\_ D2 \_\_\_\_\_ D3 \_\_\_\_\_ Average \_\_\_\_\_

**Nozzle Material** ☐ quartz ☐ glass ☐ steel ☐ titanium ☐ inconel ☐ other \_\_\_\_\_

**Probe Type** ☐ heated ☐ unheated ☐ air-cooled ☐ water-cooled ☐ other \_\_\_\_\_

**Probe Liner** ☐ quartz ☐ glass ☐ steel ☐ Teflon ☐ other \_\_\_\_\_

**Filter Information**

Front Half: ☐ quartz fiber ☐ glass fiber ☐ Teflon ☐ Teflon/quartz ☐ other \_\_\_\_\_

Filter Number: Run 1: \_\_\_\_\_ Run 2: \_\_\_\_\_ Run 3: \_\_\_\_\_ Run \_\_\_\_\_ :

Back Half: ☐ quartz fiber ☐ glass fiber ☐ Teflon ☐ Teflon/quartz ☐ other \_\_\_\_\_

|                            |                       |                            |
|----------------------------|-----------------------|----------------------------|
| <b>Reagent Information</b> |                       | <b>Sample Observations</b> |
| Type                       | Lot Number            |                            |
| 0.1N HCl                   | HCl: R000694/01000308 |                            |
| Types H2O                  | R000740               |                            |
|                            |                       |                            |

QA/QC Check: Completeness \_\_\_\_\_ Legibility \_\_\_\_\_ Accuracy \_\_\_\_\_ Specifications \_\_\_\_\_

Checked by: \_\_\_\_\_ Team Leader: \_\_\_\_\_

001AS-QMS-FM-226

|                                             |                             |                                   |  |
|---------------------------------------------|-----------------------------|-----------------------------------|--|
| <b>Project Information</b>                  |                             | <b>Equipment Identification</b>   |  |
| Date <u>7/17/24</u>                         | Project # <u>042969</u>     | Ref. Thermometer <u>T-4</u>       |  |
| Customer / Facility <u>S.V.P. DWR</u>       | <u>Unit 1 MIN</u>           | Hygrometer <u>T-4</u>             |  |
| Unit ID / Sample Location <u>Unit 1 MIN</u> | Operator <u>NP/EG/SE/GG</u> | Field Balance <u>23-AB-OAK-T4</u> |  |
| Run # <u>7-9 NH3-1-MIN</u>                  |                             | Check Weights <u>WS-5</u>         |  |
|                                             |                             | Calipers <u>T-4</u>               |  |

|                                                                               |                |                                        |  |
|-------------------------------------------------------------------------------|----------------|----------------------------------------|--|
| <b>Balance Audit</b> (Field balance must be within 0.5g of check weight mass) |                | <b>Ambient Conditions (Mobile Lab)</b> |  |
| Date <u>7/16/24</u>                                                           | <u>7/17/24</u> | Relative humidity, % <u>70</u>         |  |
| Standard mass, g <u>500.0</u>                                                 | <u>500.0</u>   | Temperature, °F <u>70</u>              |  |
| Field balance mass, g <u>500.1</u>                                            | <u>499.9</u>   | Mobile lab # <u>Trailer 4</u>          |  |

| Moisture Determination |          |         |        | 7-NH <sub>3</sub> -1-MIN |         |       | 8-NH <sub>3</sub> -1-MIN |         |                                  | 9-NH <sub>3</sub> -1-MIN |  |      |
|------------------------|----------|---------|--------|--------------------------|---------|-------|--------------------------|---------|----------------------------------|--------------------------|--|------|
|                        |          |         |        | Run 1                    |         |       | Run 2                    |         |                                  | Run 3                    |  |      |
|                        | Contents | Initial | Final  | Net                      | Initial | Final | Net                      | Initial | Final <sup>g</sup> <sub>in</sub> | Net                      |  |      |
| Knockout               | O.W.HC   | 659.4   | 697.8  | 38.4                     | 649.0   | 687.7 | 38.7                     | 663.2   | 702.43                           | 39.1                     |  |      |
| Impinger 1             | O.W.HC   | 654.5   | 655.5  | 1.0                      | 660.9   | 662.0 | 1.1                      | 666.7   | 668.2                            | 1.5                      |  |      |
| Impinger 2             | M.T      | 547.4   | 547.4  | 0                        | 552.0   | 553.0 | 1.0                      | 541.3   | 542.8                            | 1.5                      |  |      |
| Impinger 3             | S.G.     | 1033.6  | 1039.8 | 6.2                      | 795.0   | 801.7 | 6.7                      | 922.1   | 928.2                            | 6.1                      |  |      |
| Impinger 4             |          |         |        |                          |         |       |                          |         |                                  |                          |  |      |
| Impinger 5             |          |         |        |                          |         |       |                          |         |                                  |                          |  |      |
| Impinger 6             |          |         |        |                          |         |       |                          |         |                                  |                          |  |      |
| Impinger 7             |          |         |        |                          |         |       |                          |         |                                  |                          |  |      |
| Impinger 8             |          |         |        |                          |         |       |                          |         |                                  |                          |  |      |
| Silica Gel             |          |         |        |                          |         |       |                          |         |                                  |                          |  |      |
| Line Rinse             |          |         |        |                          |         |       |                          |         |                                  |                          |  |      |
| Train Net Gain (Vlc)   |          |         |        | 45.6                     |         |       |                          | 47.5    |                                  |                          |  | 47.2 |

**Nozzle Measurements** (Difference between any two measurements must not be more than 0.004 in (0.1 mm))

Nozzle 1 diameters                      D1                      D2                      D3                      Average                     

Nozzle 2 diameters                      D1                      D2                      D3                      Average                     

Nozzle 3 diameters                      D1                      D2                      D3                      Average                     

**Nozzle Material** ☐ quartz ☐ glass ☐ steel ☐ titanium ☐ inconel ☐ other                     

**Probe Type** ☐ heated ☐ unheated ☐ air-cooled ☐ water-cooled ☐ other                     

**Probe Liner** ☐ quartz ☐ glass ☐ steel ☐ Teflon ☐ other                     

**Filter Information**

Front Half: ☐ quartz fiber ☐ glass fiber ☐ Teflon ☐ Teflon/quartz ☐ other                     

Filter Number: Run 1:                      Run 2:                      Run 3:                      Run                     :

Back Half: ☐ quartz fiber ☐ glass fiber ☐ Teflon ☐ Teflon/quartz ☐ other                     

| Reagent Information |                              | Sample Observations |
|---------------------|------------------------------|---------------------|
| Type                | Lot Number                   |                     |
| <u>0.1N HCl</u>     | <u>HCl: R000694101000300</u> |                     |
| <u>Type 1H2O</u>    | <u>R000706</u>               |                     |
|                     |                              |                     |
|                     |                              |                     |
|                     |                              |                     |
|                     |                              |                     |

 QA/QC Check: Completeness        Legibility        Accuracy        Specifications       

 Checked by:                                      Team Leader:                                     

001AS-QMS-FM-226



|                                       |  |                                              |  |                                              |  |                                                                  |  |                                        |  |                               |  |
|---------------------------------------|--|----------------------------------------------|--|----------------------------------------------|--|------------------------------------------------------------------|--|----------------------------------------|--|-------------------------------|--|
| <b>Project Information</b>            |  | <b>Sampling Conditions</b>                   |  | <b>ALT 011</b>                               |  | <b>TC ID:</b>                                                    |  | <b>Ambient °F</b>                      |  | <b>Ref. °F</b>                |  |
| Date 7-15-24 Project # Proj-042969    |  | Static Pressure, in. H <sub>2</sub> O -      |  | Stack                                        |  |                                                                  |  | 52.0                                   |  |                               |  |
| Customer/Facility SUP DRZ             |  | Barometric Pressure, in. Hg 30.03            |  | Probe                                        |  |                                                                  |  |                                        |  |                               |  |
| Unit ID/Sample Location Unit 1 - Base |  | Wind Speed / Direction 8 mph                 |  | Filter Box                                   |  |                                                                  |  |                                        |  |                               |  |
| Run # 1-11143-050 Operator E.C.       |  | Probe / Filter Temp Range, °F N/A            |  | Filter Exit                                  |  |                                                                  |  | F: 74                                  |  |                               |  |
| <b>Sampling Equipment IDs</b>         |  | <b>Equipment Checks</b>                      |  | <b>Pre</b>                                   |  | <b>Mid</b>                                                       |  | <b>Post</b>                            |  | <b>Meter outlet</b>           |  |
| Meterbox ID C9-22                     |  | Pitot (+), pass @ in. H <sub>2</sub> O 0.992 |  | Pitot (-), pass @ in. H <sub>2</sub> O 1.824 |  | Pitot visual inspection                                          |  | Nozzle visual inspection               |  | Impinger Exit                 |  |
| Umbilical ID -                        |  | Meterbox ΔH @ in. H <sub>2</sub> O -         |  | Pitot coefficient, Cp -                      |  | Manometer zero and level <input checked="" type="checkbox"/> yes |  | K-Factor -                             |  | Other                         |  |
| Nozzle ID -                           |  | DGM Reading, Vm, ft <sup>3</sup> 823.11      |  | Clock Time 24hr 12:25                        |  | Velocity Head, ΔP in H <sub>2</sub> O -                          |  | Dry Gas Meter Temperature, °F Inlet 70 |  | Pump Vacuum, in. Hg 5         |  |
| Pitot / Probe ID -                    |  | 830.42                                       |  | 12:35                                        |  | -                                                                |  | Outlet 70                              |  | 5                             |  |
| Manometer ID C9-22                    |  | 838.65                                       |  | 12:45                                        |  | -                                                                |  | 71                                     |  | 5                             |  |
| Sensitivity 0.01                      |  | 846.088                                      |  | 12:55                                        |  | -                                                                |  |                                        |  |                               |  |
| Traverse Point #                      |  | Elapsed Time                                 |  | Clock Time                                   |  | Velocity Head                                                    |  | Impinger Exit Temp, °F                 |  | Dry Gas Meter Temperature, °F |  |
| 1                                     |  | 0                                            |  | 12:25                                        |  | -                                                                |  | 58                                     |  | Inlet                         |  |
| 2                                     |  | 10                                           |  | 12:35                                        |  | -                                                                |  | 56                                     |  | Outlet                        |  |
| 3                                     |  | 20                                           |  | 12:45                                        |  | -                                                                |  | 57                                     |  |                               |  |
| 4                                     |  | 30                                           |  | 12:55                                        |  | -                                                                |  |                                        |  |                               |  |
| Averages                              |  |                                              |  |                                              |  |                                                                  |  |                                        |  | 70.33                         |  |

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| Project Information                             |               |                   |                         | Sampling Conditions                             |                        |                               |       | ALT 011 |            |             |              | TC ID:        |       | Ambient °F          |                  | Ref. °F                       |  |
|-------------------------------------------------|---------------|-------------------|-------------------------|-------------------------------------------------|------------------------|-------------------------------|-------|---------|------------|-------------|--------------|---------------|-------|---------------------|------------------|-------------------------------|--|
| Date                                            | Project #     | Customer/Facility | Unit ID/Sample Location | Static Pressure, in. H <sub>2</sub> O           | Ambient Temp. °F       | Ambient Temp. °F              | Stack | Probe   | Filter Box | Filter Exit | Meter outlet | Impinger Exit | Other | Ref. Thermometer ID | Continuity Check | Continuity w/ Proper Polarity |  |
| 7/15/24                                         | Proj 042969   | SVP DLR           | Unit 1 - B5Ase          |                                                 | 30.03                  | Ref. Barometer ID 6001        |       |         |            |             | 60-22        | 60-22         |       |                     |                  |                               |  |
| Run # 3-N43-565                                 | Operator E.C. |                   |                         | Barometric Pressure, in. Hg                     | Wind Speed / Direction | Probe / Filter Temp Range, °F |       |         |            |             |              |               |       |                     |                  |                               |  |
| Equipment Checks                                |               |                   |                         | Intermediate leak check volume, ft <sup>3</sup> |                        |                               |       | Notes:  |            |             |              |               |       |                     |                  |                               |  |
| Calibration                                     |               |                   |                         | K-Factor                                        |                        |                               |       |         |            |             |              |               |       |                     |                  |                               |  |
| Meterbox Y                                      |               |                   |                         | Meterbox zero and level                         |                        |                               |       |         |            |             |              |               |       |                     |                  |                               |  |
| Meterbox ΔH@, in. H <sub>2</sub> O              |               |                   |                         | Manometer zero and level                        |                        |                               |       |         |            |             |              |               |       |                     |                  |                               |  |
| Nozzle diameter, Dn, in.                        |               |                   |                         | K-Factor                                        |                        |                               |       |         |            |             |              |               |       |                     |                  |                               |  |
| Pilot coefficient, Cp                           |               |                   |                         |                                                 |                        |                               |       |         |            |             |              |               |       |                     |                  |                               |  |
| Manometer ID                                    |               |                   |                         |                                                 |                        |                               |       |         |            |             |              |               |       |                     |                  |                               |  |
| Sensitivity                                     |               |                   |                         |                                                 |                        |                               |       |         |            |             |              |               |       |                     |                  |                               |  |
| Sampling Equipment IDs                          |               |                   |                         |                                                 |                        |                               |       |         |            |             |              |               |       |                     |                  |                               |  |
| Meterbox ID                                     |               |                   |                         |                                                 |                        |                               |       |         |            |             |              |               |       |                     |                  |                               |  |
| Umbilical ID                                    |               |                   |                         |                                                 |                        |                               |       |         |            |             |              |               |       |                     |                  |                               |  |
| Nozzle ID                                       |               |                   |                         |                                                 |                        |                               |       |         |            |             |              |               |       |                     |                  |                               |  |
| Pilot / Probe ID                                |               |                   |                         |                                                 |                        |                               |       |         |            |             |              |               |       |                     |                  |                               |  |
| Manometer ID                                    |               |                   |                         |                                                 |                        |                               |       |         |            |             |              |               |       |                     |                  |                               |  |
| Sensitivity                                     |               |                   |                         |                                                 |                        |                               |       |         |            |             |              |               |       |                     |                  |                               |  |
| Equipment Checks                                |               |                   |                         |                                                 |                        |                               |       |         |            |             |              |               |       |                     |                  |                               |  |
| Pilot (+), pass @ in. H <sub>2</sub> O          |               |                   |                         |                                                 |                        |                               |       |         |            |             |              |               |       |                     |                  |                               |  |
| Pilot (-), pass @ in. H <sub>2</sub> O          |               |                   |                         |                                                 |                        |                               |       |         |            |             |              |               |       |                     |                  |                               |  |
| Pilot visual inspection                         |               |                   |                         |                                                 |                        |                               |       |         |            |             |              |               |       |                     |                  |                               |  |
| Nozzle visual inspection                        |               |                   |                         |                                                 |                        |                               |       |         |            |             |              |               |       |                     |                  |                               |  |
| Meter, cfm @ in. Hg                             |               |                   |                         |                                                 |                        |                               |       |         |            |             |              |               |       |                     |                  |                               |  |
| Intermediate leak check volume, ft <sup>3</sup> |               |                   |                         |                                                 |                        |                               |       |         |            |             |              |               |       |                     |                  |                               |  |
| Office Pressure Differential, ΔH                |               |                   |                         |                                                 |                        |                               |       |         |            |             |              |               |       |                     |                  |                               |  |
| Target                                          |               |                   |                         |                                                 |                        |                               |       |         |            |             |              |               |       |                     |                  |                               |  |
| Actual                                          |               |                   |                         |                                                 |                        |                               |       |         |            |             |              |               |       |                     |                  |                               |  |
| Velocity Head, ΔP in H <sub>2</sub> O           |               |                   |                         |                                                 |                        |                               |       |         |            |             |              |               |       |                     |                  |                               |  |
| DGM Reading, Vm, ft <sup>3</sup>                |               |                   |                         |                                                 |                        |                               |       |         |            |             |              |               |       |                     |                  |                               |  |
| Clock Time 24hr                                 |               |                   |                         |                                                 |                        |                               |       |         |            |             |              |               |       |                     |                  |                               |  |
| Elapsed Time                                    |               |                   |                         |                                                 |                        |                               |       |         |            |             |              |               |       |                     |                  |                               |  |
| Traverse Point #                                |               |                   |                         |                                                 |                        |                               |       |         |            |             |              |               |       |                     |                  |                               |  |
| 1                                               |               |                   |                         |                                                 |                        |                               |       |         |            |             |              |               |       |                     |                  |                               |  |
| 2                                               |               |                   |                         |                                                 |                        |                               |       |         |            |             |              |               |       |                     |                  |                               |  |
| 3                                               |               |                   |                         |                                                 |                        |                               |       |         |            |             |              |               |       |                     |                  |                               |  |
| end                                             |               |                   |                         |                                                 |                        |                               |       |         |            |             |              |               |       |                     |                  |                               |  |
| Averages                                        |               |                   |                         |                                                 |                        |                               |       |         |            |             |              |               |       |                     |                  |                               |  |



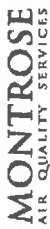
|                                       |               |                            |                         |
|---------------------------------------|---------------|----------------------------|-------------------------|
| Date                                  | 07/16/24      | Project #                  | Proj-042969             |
| Customer/Facility                     | S.V.P. DWR    | Unit #                     | 177A X                  |
| Unit ID/Sample Location               | Unit # 177A X | Run #                      | 4-MAX-1-MAX-Operator SF |
| Static Pressure, in. H <sub>2</sub> O | NA            | Ambient Temp, °F           | 70                      |
| Barometric Pressure, in. Hg           | 30.00         | Ref. Barometer ID          | local                   |
| Wind Speed / Direction                | —             | Precipitation, Y / N, type | NA                      |
| Probe / Filter Temp Range, °F         | NA            | Filter Box                 |                         |
|                                       |               | Filter Exit                | 0.00                    |
|                                       |               | Stack                      |                         |
|                                       |               | Probe                      | SC                      |

| Sampling Equipment IDs |       | Calibration                                                      | Equipment Checks                                |                                     |       | Pre                                 | Mid  | Post                                | Meter outlet | Impinger Exit | Other |
|------------------------|-------|------------------------------------------------------------------|-------------------------------------------------|-------------------------------------|-------|-------------------------------------|------|-------------------------------------|--------------|---------------|-------|
| Meterbox ID            | CB-22 | Meterbox Y 0.992                                                 | Pitot (+), pass @ in. H <sub>2</sub> O          | <input checked="" type="checkbox"/> | @     | <input checked="" type="checkbox"/> | @    | <input checked="" type="checkbox"/> |              |               |       |
| Umbilical ID           |       | Meterbox ΔH @ in. H <sub>2</sub> O 1.834                         | Pitot (-), pass @ in. H <sub>2</sub> O          | <input checked="" type="checkbox"/> | @     | <input checked="" type="checkbox"/> | @    | <input checked="" type="checkbox"/> |              |               |       |
| Nozzle ID              |       | Nozzle diameter, Dn, in. N/A                                     | Pitot visual inspection                         | <input checked="" type="checkbox"/> | pass  | <input checked="" type="checkbox"/> | pass | <input checked="" type="checkbox"/> |              |               |       |
| Pitot / Probe ID       | SS    | Pitot coefficient, Cp - <del>0.85</del> 0.85                     | Nozzle visual inspection                        | <input checked="" type="checkbox"/> | pass  | <input checked="" type="checkbox"/> | pass | <input checked="" type="checkbox"/> |              |               |       |
| Manometer ID           | CB-22 | Manometer zero and level <input checked="" type="checkbox"/> yes | Meter, cfm @ in. Hg                             | 0-200                               | @ 15" | @                                   | @    | @                                   |              |               |       |
| Sensitivity            | 0.0   | K-Factor N/A                                                     | Intermediate leak check volume, ft <sup>3</sup> |                                     | /     | /                                   | /    | /                                   |              |               |       |

[illegible]

| Project Information     |            |                          |             | Sampling Conditions                   |               |                            |                     | Equipment Checks                       |      |                                        |      | Calibration                        |            |            |     | Sampling Equipment IDs   |                          |                  |              | Sensitivity              |                 |              |       | Traverse                         |         |                                       |                                  | Averages                                 |                                       |        |                                          |                |                |                 |                   |                                     |                 |                     |                                     |        |                     |
|-------------------------|------------|--------------------------|-------------|---------------------------------------|---------------|----------------------------|---------------------|----------------------------------------|------|----------------------------------------|------|------------------------------------|------------|------------|-----|--------------------------|--------------------------|------------------|--------------|--------------------------|-----------------|--------------|-------|----------------------------------|---------|---------------------------------------|----------------------------------|------------------------------------------|---------------------------------------|--------|------------------------------------------|----------------|----------------|-----------------|-------------------|-------------------------------------|-----------------|---------------------|-------------------------------------|--------|---------------------|
| Date                    | 07/16/24   | Project #                | PRG-042969  | Static Pressure, in. H <sub>2</sub> O | NA            | Ambient Temp, °F           | 70                  | Pitot (+), pass @ in. H <sub>2</sub> O | NA   | Pitot (-), pass @ in. H <sub>2</sub> O | NA   | Meterbox ΔH@, in. H <sub>2</sub> O | 0.992      | Meterbox Y | NA  | Nozzle diameter, Dn, in. | NA                       | Pitot / Probe ID | 55           | Manometer zero and level | Yes             | Manometer ID | CA-22 | Clock Time 24hr                  | 0       | 1027                                  | DGM Reading, Vm, ft <sup>3</sup> | 917.670                                  | Velocity Head, ΔP in H <sub>2</sub> O | —      | Orifice Pressure Differential, ΔH Target | 1.8            | Actual         | 1.8             | Stack Temp, °F    | Probe Temp, °F                      | Filter Temp, °F | Impinger Temp, °F   | Dry Gas Meter Temperature, °F Inlet | Outlet | Pump Vacuum, in. Hg |
| Customer/Facility       | S.V.P. DWR | Unit #                   | 1 MAX       | Barometric Pressure, in. Hg           | 30.00         | Ref. Barometer ID          | local               | Pitot visual inspection                | pass | Nozzle visual inspection               | pass | Meter, cfm @ in. Hg                | 0.00 @ 15" | Pre        | Mid | Post                     | Manometer zero and level | Yes              | Manometer ID | CA-22                    | Clock Time 24hr | 0            | 1027  | DGM Reading, Vm, ft <sup>3</sup> | 917.670 | Velocity Head, ΔP in H <sub>2</sub> O | —                                | Orifice Pressure Differential, ΔH Target | 1.8                                   | Actual | 1.8                                      | Stack Temp, °F | Probe Temp, °F | Filter Temp, °F | Impinger Temp, °F | Dry Gas Meter Temperature, °F Inlet | Outlet          | Pump Vacuum, in. Hg |                                     |        |                     |
| Unit ID/Sample Location | Run #      | 5-NH <sub>2</sub> -1-MAX | Operator    | Wind Speed / Direction                | NA            | Precipitation, Y / N, type | N                   | Probe / Filter Temp Range, °F          | NA   | Equipment Checks                       | NA   | NA                                 | NA         | NA         | NA  | NA                       | NA                       | NA               | NA           | NA                       | NA              | NA           | NA    | NA                               | NA      | NA                                    | NA                               | NA                                       | NA                                    | NA     | NA                                       | NA             | NA             | NA              | NA                | NA                                  | NA              | NA                  | NA                                  | NA     | NA                  |
| Stack                   | Probe      | Filter Box               | Filter Exit | Meter outlet                          | Impinger Exit | Other                      | Ref. Thermometer ID | Continuity Check                       | □    | Proper Polarity                        | □    | Notes:                             |            |            |     |                          |                          |                  |              |                          |                 |              |       |                                  |         |                                       |                                  |                                          |                                       |        |                                          |                |                |                 |                   |                                     |                 |                     |                                     |        |                     |
| <p>See 12-3</p>         |            |                          |             |                                       |               |                            |                     |                                        |      |                                        |      |                                    |            |            |     |                          |                          |                  |              |                          |                 |              |       |                                  |         |                                       |                                  |                                          |                                       |        |                                          |                |                |                 |                   |                                     |                 |                     |                                     |        |                     |





| Project Information              |                         |                   |                                  | Sampling Conditions                             |                                   |                        |                               | ALT 011         |                   | TC ID:                        |                     | Ambient °F               |                     | Ref. °F |                     |      |  |  |  |
|----------------------------------|-------------------------|-------------------|----------------------------------|-------------------------------------------------|-----------------------------------|------------------------|-------------------------------|-----------------|-------------------|-------------------------------|---------------------|--------------------------|---------------------|---------|---------------------|------|--|--|--|
| Date                             | Project #               | Customer/Facility | Unit ID/Sample Location          | Static Pressure, in. H <sub>2</sub> O           | Barometric Pressure, in. Hg       | Wind Speed / Direction | Probe / Filter Temp Range, °F | Stack           | Probe             | Filter Box                    | Filter Exit         | Meter outlet             | Impinger Exit       | Other   | Ref. Thermometer ID |      |  |  |  |
| 2/17/24                          | Proj - 042969           | S.V.P. DWR        | Unit # 1                         | 0.992                                           | 30.06                             | NW 4 mph               | NA                            | NA              | NA                | NA                            | NA                  | NA                       | NA                  | NA      | NA                  |      |  |  |  |
| Run #                            | 7-NH <sub>2</sub> -1-MB | Operator          | SC                               |                                                 |                                   |                        |                               |                 |                   |                               |                     |                          |                     |         |                     |      |  |  |  |
| Sampling Equipment IDs           |                         |                   |                                  | Equipment Checks                                |                                   |                        |                               | Pre             |                   |                               |                     | Mid                      |                     |         |                     | Post |  |  |  |
| Traverse Point #                 | Elapsed Time            | Clock Time 24hr   | DGM Reading, Vm, ft <sup>3</sup> | Velocity Head, ΔP in H <sub>2</sub> O           | Orifice Pressure Differential, ΔH | Stack Temp, °F         | Probe Temp, °F                | Filter Temp, °F | Impinger Temp, °F | Dry Gas Meter Temperature, °F | Pump Vacuum, in. Hg | Continuity Check         | Ref. Thermometer ID | Notes:  |                     |      |  |  |  |
| 1                                | 0                       | 0727              | 065.745                          | —                                               | Target 1.8 Actual 1.8             | —                      | —                             | —               | 42                | —                             | 5                   | <input type="checkbox"/> | 5                   |         |                     |      |  |  |  |
| 2                                | 10                      | 0737              | 973.460                          | —                                               | Target 1.8 Actual 1.8             | —                      | —                             | —               | 42                | —                             | 5                   | <input type="checkbox"/> | 5                   |         |                     |      |  |  |  |
| 3                                | 20                      | 0747              | 981.175                          | —                                               | Target 1.8 Actual 1.8             | —                      | —                             | —               | 43                | —                             | 5                   | <input type="checkbox"/> | 5                   |         |                     |      |  |  |  |
| END                              | 30                      | 0757              | 988.890                          | —                                               | Target — Actual —                 | —                      | —                             | —               | —                 | —                             | —                   | <input type="checkbox"/> | —                   |         |                     |      |  |  |  |
| Sensitivity 2.0                  |                         |                   |                                  | Intermediate leak check volume, ft <sup>3</sup> |                                   |                        |                               | 0.051 @ 8"      |                   |                               |                     | 0.051 @ 8"               |                     |         |                     |      |  |  |  |
| K-Factor NA                      |                         |                   |                                  | Orifice Pressure Differential, ΔH               |                                   |                        |                               | 0.051 @ 15"     |                   |                               |                     | 0.051 @ 15"              |                     |         |                     |      |  |  |  |
| DGM Reading, Vm, ft <sup>3</sup> |                         |                   |                                  | Velocity Head, ΔP in H <sub>2</sub> O           |                                   |                        |                               | 0.051 @ 15"     |                   |                               |                     | 0.051 @ 15"              |                     |         |                     |      |  |  |  |
| Clock Time 24hr                  |                         |                   |                                  | Velocity Head, ΔP in H <sub>2</sub> O           |                                   |                        |                               | 0.051 @ 15"     |                   |                               |                     | 0.051 @ 15"              |                     |         |                     |      |  |  |  |
| DGM Reading, Vm, ft <sup>3</sup> |                         |                   |                                  | Velocity Head, ΔP in H <sub>2</sub> O           |                                   |                        |                               | 0.051 @ 15"     |                   |                               |                     | 0.051 @ 15"              |                     |         |                     |      |  |  |  |
| Clock Time 24hr                  |                         |                   |                                  | Velocity Head, ΔP in H <sub>2</sub> O           |                                   |                        |                               | 0.051 @ 15"     |                   |                               |                     | 0.051 @ 15"              |                     |         |                     |      |  |  |  |
| DGM Reading, Vm, ft <sup>3</sup> |                         |                   |                                  | Velocity Head, ΔP in H <sub>2</sub> O           |                                   |                        |                               | 0.051 @ 15"     |                   |                               |                     | 0.051 @ 15"              |                     |         |                     |      |  |  |  |
| Clock Time 24hr                  |                         |                   |                                  | Velocity Head, ΔP in H <sub>2</sub> O           |                                   |                        |                               | 0.051 @ 15"     |                   |                               |                     | 0.051 @ 15"              |                     |         |                     |      |  |  |  |
| DGM Reading, Vm, ft <sup>3</sup> |                         |                   |                                  | Velocity Head, ΔP in H <sub>2</sub> O           |                                   |                        |                               | 0.051 @ 15"     |                   |                               |                     | 0.051 @ 15"              |                     |         |                     |      |  |  |  |
| Clock Time 24hr                  |                         |                   |                                  | Velocity Head, ΔP in H <sub>2</sub> O           |                                   |                        |                               | 0.051 @ 15"     |                   |                               |                     | 0.051 @ 15"              |                     |         |                     |      |  |  |  |
| DGM Reading, Vm, ft <sup>3</sup> |                         |                   |                                  | Velocity Head, ΔP in H <sub>2</sub> O           |                                   |                        |                               | 0.051 @ 15"     |                   |                               |                     | 0.051 @ 15"              |                     |         |                     |      |  |  |  |
| Clock Time 24hr                  |                         |                   |                                  | Velocity Head, ΔP in H <sub>2</sub> O           |                                   |                        |                               | 0.051 @ 15"     |                   |                               |                     | 0.051 @ 15"              |                     |         |                     |      |  |  |  |
| DGM Reading, Vm, ft <sup>3</sup> |                         |                   |                                  | Velocity Head, ΔP in H <sub>2</sub> O           |                                   |                        |                               | 0.051 @ 15"     |                   |                               |                     | 0.051 @ 15"              |                     |         |                     |      |  |  |  |
| Clock Time 24hr                  |                         |                   |                                  | Velocity Head, ΔP in H <sub>2</sub> O           |                                   |                        |                               | 0.051 @ 15"     |                   |                               |                     | 0.051 @ 15"              |                     |         |                     |      |  |  |  |
| DGM Reading, Vm, ft <sup>3</sup> |                         |                   |                                  | Velocity Head, ΔP in H <sub>2</sub> O           |                                   |                        |                               | 0.051 @ 15"     |                   |                               |                     | 0.051 @ 15"              |                     |         |                     |      |  |  |  |
| Clock Time 24hr                  |                         |                   |                                  | Velocity Head, ΔP in H <sub>2</sub> O           |                                   |                        |                               | 0.051 @ 15"     |                   |                               |                     | 0.051 @ 15"              |                     |         |                     |      |  |  |  |
| DGM Reading, Vm, ft <sup>3</sup> |                         |                   |                                  | Velocity Head, ΔP in H <sub>2</sub> O           |                                   |                        |                               | 0.051 @ 15"     |                   |                               |                     | 0.051 @ 15"              |                     |         |                     |      |  |  |  |
| Clock Time 24hr                  |                         |                   |                                  | Velocity Head, ΔP in H <sub>2</sub> O           |                                   |                        |                               | 0.051 @ 15"     |                   |                               |                     | 0.051 @ 15"              |                     |         |                     |      |  |  |  |
| DGM Reading, Vm, ft <sup>3</sup> |                         |                   |                                  | Velocity Head, ΔP in H <sub>2</sub> O           |                                   |                        |                               | 0.051 @ 15"     |                   |                               |                     | 0.051 @ 15"              |                     |         |                     |      |  |  |  |
| Clock Time 24hr                  |                         |                   |                                  | Velocity Head, ΔP in H <sub>2</sub> O           |                                   |                        |                               | 0.051 @ 15"     |                   |                               |                     | 0.051 @ 15"              |                     |         |                     |      |  |  |  |
| DGM Reading, Vm, ft <sup>3</sup> |                         |                   |                                  | Velocity Head, ΔP in H <sub>2</sub> O           |                                   |                        |                               | 0.051 @ 15"     |                   |                               |                     | 0.051 @ 15"              |                     |         |                     |      |  |  |  |
| Clock Time 24hr                  |                         |                   |                                  | Velocity Head, ΔP in H <sub>2</sub> O           |                                   |                        |                               | 0.051 @ 15"     |                   |                               |                     | 0.051 @ 15"              |                     |         |                     |      |  |  |  |
| DGM Reading, Vm, ft <sup>3</sup> |                         |                   |                                  | Velocity Head, ΔP in H <sub>2</sub> O           |                                   |                        |                               | 0.051 @ 15"     |                   |                               |                     | 0.051 @ 15"              |                     |         |                     |      |  |  |  |
| Clock Time 24hr                  |                         |                   |                                  | Velocity Head, ΔP in H <sub>2</sub> O           |                                   |                        |                               | 0.051 @ 15"     |                   |                               |                     | 0.051 @ 15"              |                     |         |                     |      |  |  |  |
| DGM Reading, Vm, ft <sup>3</sup> |                         |                   |                                  | Velocity Head, ΔP in H <sub>2</sub> O           |                                   |                        |                               | 0.051 @ 15"     |                   |                               |                     | 0.051 @ 15"              |                     |         |                     |      |  |  |  |
| Clock Time 24hr                  |                         |                   |                                  | Velocity Head, ΔP in H <sub>2</sub> O           |                                   |                        |                               | 0.051 @ 15"     |                   |                               |                     | 0.051 @ 15"              |                     |         |                     |      |  |  |  |
| DGM Reading, Vm, ft <sup>3</sup> |                         |                   |                                  | Velocity Head, ΔP in H <sub>2</sub> O           |                                   |                        |                               | 0.051 @ 15"     |                   |                               |                     | 0.051 @ 15"              |                     |         |                     |      |  |  |  |
| Clock Time 24hr                  |                         |                   |                                  | Velocity Head, ΔP in H <sub>2</sub> O           |                                   |                        |                               | 0.051 @ 15"     |                   |                               |                     | 0.051 @ 15"              |                     |         |                     |      |  |  |  |
| DGM Reading, Vm, ft <sup>3</sup> |                         |                   |                                  | Velocity Head, ΔP in H <sub>2</sub> O           |                                   |                        |                               | 0.051 @ 15"     |                   |                               |                     | 0.051 @ 15"              |                     |         |                     |      |  |  |  |
| Clock Time 24hr                  |                         |                   |                                  | Velocity Head, ΔP in H <sub>2</sub> O           |                                   |                        |                               | 0.051 @ 15"     |                   |                               |                     | 0.051 @ 15"              |                     |         |                     |      |  |  |  |
| DGM Reading, Vm, ft <sup>3</sup> |                         |                   |                                  | Velocity Head, ΔP in H <sub>2</sub> O           |                                   |                        |                               | 0.051 @ 15"     |                   |                               |                     | 0.051 @ 15"              |                     |         |                     |      |  |  |  |
| Clock Time 24hr                  |                         |                   |                                  | Velocity Head, ΔP in H <sub></sub>              |                                   |                        |                               |                 |                   |                               |                     |                          |                     |         |                     |      |  |  |  |

[illegible]

| Project Information    |                         |                                    |                                       | Sampling Conditions                             |                                   |                  |                 | ALT 011           |                               |                     |  |
|------------------------|-------------------------|------------------------------------|---------------------------------------|-------------------------------------------------|-----------------------------------|------------------|-----------------|-------------------|-------------------------------|---------------------|--|
| Date                   | Project #               | Project Name                       | Static Pressure, in. H <sub>2</sub> O | Ambient Temp, °F                                | TC ID:                            | Ambient °F       | Ref. °F         |                   |                               |                     |  |
| 7/17/24                | SV.P. DVR               | Proj-042969                        | NA                                    | 62                                              | Stack                             |                  |                 |                   |                               |                     |  |
| Customer/Facility      | Unit ID/Sample Location | Unit #1 Mid Load                   | Barometric Pressure, in. Hg           | Ref. Barometer ID                               | Probe                             |                  |                 |                   |                               |                     |  |
| Run # 9-NH3-1          | Operator SF             |                                    | Wind Speed / Direction                | NA 3 MPH                                        | Filter Box                        |                  |                 |                   |                               |                     |  |
|                        |                         |                                    | Probe / Filter Temp Range, °F         | NA                                              | Filter Exit                       |                  |                 |                   |                               |                     |  |
| Sampling Equipment IDs |                         |                                    | Calibration                           |                                                 |                                   | Equipment Checks |                 |                   |                               |                     |  |
| Meterbox ID            | CB-22                   | Meterbox Y                         | 0.992                                 | Pitot (+), pass @ in. H <sub>2</sub> O          | Pre                               | Mid              | Post            |                   |                               |                     |  |
| Umbilical ID           | NA                      | Meterbox ΔH@, in. H <sub>2</sub> O | 0.834                                 | Pitot (-), pass @ in. H <sub>2</sub> O          |                                   |                  |                 |                   |                               |                     |  |
| Nozzle ID              | NA                      | Nozzle diameter, Dn, in.           | NA                                    | Pitot visual inspection                         |                                   |                  |                 |                   |                               |                     |  |
| Pitot / Probe ID       | .55                     | Pitot coefficient, Cp              | NA                                    | Nozzle visual inspection                        |                                   |                  |                 |                   |                               |                     |  |
| Manometer ID           | CB-22                   | Manometer zero and level           | Yes                                   | Meter, cfm @ in. Hg                             | 0.001 @ 15"                       | 0.001 @ 8"       |                 |                   |                               |                     |  |
| Sensitivity            | 0.0                     | K-Factor                           | NA                                    | Intermediate leak check volume, ft <sup>3</sup> |                                   |                  |                 |                   |                               |                     |  |
| Traverse Point #       | Elapsed Time            | Clock Time 24hr                    | DGM Reading, Vm, ft <sup>3</sup>      | Velocity Head, ΔP in H <sub>2</sub> O           | Orifice Pressure Differential, ΔH | Stack Temp, °F   | Filter Temp, °F | Impinger Temp, °F | Dry Gas Meter Temperature, °F | Pump Vacuum, in. Hg |  |
| 1                      | 0                       | 0843                               | 012.820                               |                                                 | Target Actual                     | 1.8 1.8          | 44              | 65                |                               |                     |  |
| 2                      | 10                      | 0853                               | 020.480                               |                                                 | 1.8 1.8                           | 44               | 66              |                   |                               |                     |  |
| 3                      | 20                      | 0903                               | 028.140                               |                                                 | 1.8 1.8                           | 44               |                 |                   |                               |                     |  |
| END                    | 30                      | 0913                               | 035.800                               |                                                 |                                   |                  |                 |                   |                               |                     |  |
| Averages               |                         |                                    |                                       |                                                 |                                   |                  |                 |                   |                               |                     |  |
|                        |                         |                                    | 22.980                                |                                                 |                                   | 1.80             |                 |                   | 66.0                          |                     |  |

|                                                                           |                               |                                   |  |
|---------------------------------------------------------------------------|-------------------------------|-----------------------------------|--|
| <b>Project Information</b>                                                |                               | <b>Equipment Identification</b>   |  |
| Date <u>7/17/24 - 7/18/24</u>                                             | Project # <u>042969</u>       | Ref. Thermometer <u>T-4</u>       |  |
| Customer / Facility <u>S.V.P. OVR</u>                                     |                               | Hygrometer <u>T-4</u>             |  |
| Unit ID / Sample Location <u>Unit 2 BASE / Max</u>                        |                               | Field Balance <u>23-AB-OAK-T4</u> |  |
| Run # <u>1-3-NH<sub>3</sub>-2-BASE</u><br><u>4-6-NH<sub>3</sub>-2-MAX</u> | Operator <u>NP EGI SE IGG</u> | Check Weights <u>WS-5</u>         |  |
|                                                                           |                               | Calipers <u>T-4</u>               |  |

|                                                                               |                |                                        |  |
|-------------------------------------------------------------------------------|----------------|----------------------------------------|--|
| <b>Balance Audit</b> (Field balance must be within 0.5g of check weight mass) |                | <b>Ambient Conditions (Mobile Lab)</b> |  |
| Date <u>7/17/24</u>                                                           | <u>7/18/24</u> | Relative humidity, %                   |  |
| Standard mass, g <u>500</u>                                                   | <u>500</u>     | Temperature, °F <u>70</u>              |  |
| Field balance mass, g <u>499.9</u>                                            | <u>499.9</u>   | Mobile lab # <u>Trailer 4</u>          |  |

| Moisture Determination |                       |                          |         | 1-NH <sub>3</sub> -2-BASE<br>Run 1 |                          |         | 2-NH <sub>3</sub> -2-BASE<br>Run 2 |                          |         | 3-NH <sub>3</sub> -2-BASE<br>Run 3 |  |  |
|------------------------|-----------------------|--------------------------|---------|------------------------------------|--------------------------|---------|------------------------------------|--------------------------|---------|------------------------------------|--|--|
|                        | Contents              | Initial                  | Final   | Net                                | Initial                  | Final   | Net                                | Initial                  | Final   | Net                                |  |  |
| Knockout               | 0.1NH <sub>4</sub> Cl | 657.6                    | 709.0   | 51.4                               | 648.2                    | 703.5   | 55.3                               | 661.9                    | 715.0   | 53.1                               |  |  |
| Impinger 1             | 0.1NH <sub>4</sub> Cl | 653.3                    | 653.2   | -0.1                               | 661.8                    | 662.0   | 0.2                                | 665.5                    | 665.3   | -0.2                               |  |  |
| Impinger 2             | MT                    | 547.4                    | 548.4   | 6.0                                | 553.0                    | 553.2   | 0.2                                | 542.8                    | 542.2   | -0.6                               |  |  |
| Impinger 3             | SG                    | 1039.8                   | 1046.5  | 6.6                                | 801.7                    | 806.2   | 4.5                                | 928.2                    | 933.3   | 5.1                                |  |  |
| Impinger 4             |                       |                          | Total → | 63.8                               |                          | Total → | 60.2                               |                          | Total → | 57.4                               |  |  |
| Impinger 5             |                       | 4-NH <sub>3</sub> -2-Max |         |                                    | 5-NH <sub>3</sub> -2-Max |         |                                    | 6-NH <sub>3</sub> -2-Max |         |                                    |  |  |
| Impinger 6             | 0.1NH <sub>4</sub> Cl | 657.9                    | 717.9   | 60.0                               | 648.1                    | 700.0   | 51.9                               | 660.3                    | 715.0   | 54.7                               |  |  |
| Impinger 7             | 0.1NH <sub>4</sub> Cl | 655.1                    | 656.1   | 1.0                                | 660.8                    | 662.1   | 1.3                                | 665.2                    | 667.5   | 2.3                                |  |  |
| Impinger 8             | MT                    | 548.4                    | 549.0   | 0.6                                | 553.2                    | 553.9   | 0.7                                | 542.2                    | 545.1   | 2.9                                |  |  |
| Silica Gel             |                       | 1046.3                   | 1052.8  | 6.5                                | 806.2                    | 812.8   | 6.6                                | 933.3                    | 941.2   | 7.9                                |  |  |
| Line Rinse             |                       |                          |         |                                    |                          |         |                                    |                          |         |                                    |  |  |
| Train Net Gain (Vlc)   |                       |                          |         | 68.1                               |                          |         | 60.5                               |                          |         | 67.8                               |  |  |

**Nozzle Measurements** (Difference between any two measurements must not be more than 0.004 in (0.1 mm))

Nozzle 1 diameters: D1 \_\_\_\_\_ D2 \_\_\_\_\_ D3 \_\_\_\_\_ Average \_\_\_\_\_

Nozzle 2 diameters: D1 \_\_\_\_\_ D2 \_\_\_\_\_ D3 \_\_\_\_\_ Average \_\_\_\_\_

Nozzle 3 diameters: D1 \_\_\_\_\_ D2 \_\_\_\_\_ D3 \_\_\_\_\_ Average \_\_\_\_\_

**Nozzle Material** ☐ quartz ☐ glass ☐ steel ☐ titanium ☐ inconel ☐ other \_\_\_\_\_

**Probe Type** ☐ heated ☐ unheated ☐ air-cooled ☐ water-cooled ☐ other \_\_\_\_\_

**Probe Liner** ☐ quartz ☐ glass ☐ steel ☐ Teflon ☐ other \_\_\_\_\_

**Filter Information**

Front Half: ☐ quartz filter ☐ glass fiber ☐ Teflon ☐ Teflon/quartz ☐ other \_\_\_\_\_

Filter Number: Run 1: \_\_\_\_\_ Run 2: \_\_\_\_\_ Run 3: \_\_\_\_\_ Run: \_\_\_\_\_

Back Half: ☐ quartz filter ☐ glass fiber ☐ Teflon ☐ Teflon/quartz ☐ other \_\_\_\_\_

|                                           |                            |
|-------------------------------------------|----------------------------|
| <b>Reagent Information</b>                | <b>Sample Observations</b> |
| Type <u>0.1NH<sub>4</sub>Cl</u>           |                            |
| Lot Number <u>HCl: R000644 / DI000300</u> |                            |
| Type <u>1H<sub>2</sub>O</u>               |                            |
| Lot Number <u>R000740</u>                 |                            |
|                                           |                            |
|                                           |                            |
|                                           |                            |
|                                           |                            |

QA/QC Check: Completeness \_\_\_\_\_ Legibility \_\_\_\_\_ Accuracy \_\_\_\_\_ Specifications \_\_\_\_\_

Checked by: \_\_\_\_\_ Team Leader: \_\_\_\_\_

001AS-QMS-FM-226

|                                                  |                            |                                   |  |
|--------------------------------------------------|----------------------------|-----------------------------------|--|
| <b>Project Information</b>                       |                            | <b>Equipment Identification</b>   |  |
| Date <u>07/19/24</u>                             | Project # <u>042969</u>    | Ref. Thermometer <u>T-4</u>       |  |
| Customer / Facility <u>SUP DVR</u>               |                            | Hygrometer <u>T-4</u>             |  |
| Unit ID / Sample Location <u>Unit 2 Min load</u> |                            | Field Balance <u>23-AB-OAH-T4</u> |  |
| Run # <u>7-9-NH<sub>3</sub>-2-Min</u>            | Operator <u>NE, EG, SF</u> | Check Weights <u>WS-5</u>         |  |
|                                                  |                            | Calipers <u>T-4</u>               |  |

|                                                                               |  |                                        |  |
|-------------------------------------------------------------------------------|--|----------------------------------------|--|
| <b>Balance Audit</b> (Field balance must be within 0.5g of check weight mass) |  | <b>Ambient Conditions (Mobile Lab)</b> |  |
| Date <u>7/19/24</u>                                                           |  | Relative humidity, % <u>✓</u>          |  |
| Standard mass, g <u>500.0</u>                                                 |  | Temperature, °F <u>69</u>              |  |
| Field balance mass, g <u>499.9</u>                                            |  | Mobile lab # <u>T-4</u>                |  |

| Moisture Determination |                       | <u>7-NH<sub>3</sub>-2-MIN</u> |        |      | <u>8-NH<sub>3</sub>-2-MIN</u> |       |      | <u>9-NH<sub>3</sub>-2-MIN</u> |       |      |
|------------------------|-----------------------|-------------------------------|--------|------|-------------------------------|-------|------|-------------------------------|-------|------|
|                        |                       | Run 1                         |        |      | Run 2                         |       |      | Run 3                         |       |      |
|                        | Contents              | Initial                       | Final  | Net  | Initial                       | Final | Net  | Initial                       | Final | Net  |
| Knockout               | 0.1NH <sub>4</sub> Cl | 656.9                         | 697.8  | 40.9 | 659.6                         | 690.8 | 31.2 | 646.7                         | 679.9 | 33.2 |
| Impinger 1             | 0.1NH <sub>4</sub> Cl | 655.5                         | 655.6  | 0.1  | 664.5                         | 667.0 | 2.5  | 660.5                         | 663.0 | 2.5  |
| Impinger 2             | MT                    | 549.0                         | 550.7  | 1.7  | 545.1                         | 546.4 | 1.3  | 551.4                         | 551.9 | 0.5  |
| Impinger 3             | SG                    | 1052.8                        | 1059.9 | 7.1  | 941.2                         | 950.3 | 9.1  | 793.4                         | 798.9 | 5.5  |
| Impinger 4             |                       |                               |        |      |                               |       |      |                               |       |      |
| Impinger 5             |                       |                               |        |      |                               |       |      |                               |       |      |
| Impinger 6             |                       |                               |        |      |                               |       |      |                               |       |      |
| Impinger 7             |                       |                               |        |      |                               |       |      |                               |       |      |
| Impinger 8             |                       |                               |        |      |                               |       |      |                               |       |      |
| Silica Gel             |                       |                               |        |      |                               |       |      |                               |       |      |
| Line Rinse             |                       |                               |        |      |                               |       |      |                               |       |      |
| Train Net Gain (Vlc)   |                       | <u>49.8</u>                   |        |      | <u>44.1</u>                   |       |      | <u>41.7</u>                   |       |      |

**Nozzle Measurements** (Difference between any two measurements must not be more than 0.004 in (0.1 mm))

Nozzle 1 diameters \_\_\_\_\_ D1 \_\_\_\_\_ D2 \_\_\_\_\_ D3 \_\_\_\_\_ Average \_\_\_\_\_

Nozzle 2 diameters \_\_\_\_\_ D1 \_\_\_\_\_ D2 \_\_\_\_\_ D3 \_\_\_\_\_ Average \_\_\_\_\_

Nozzle 3 diameters \_\_\_\_\_ D1 \_\_\_\_\_ D2 \_\_\_\_\_ D3 \_\_\_\_\_ Average \_\_\_\_\_

**Nozzle Material** ☐ quartz ☐ glass ☐ steel ☐ titanium ☐ inconel ☐ other \_\_\_\_\_

**Probe Type** ☐ heated ☐ unheated ☐ air-cooled ☐ water-cooled ☐ other \_\_\_\_\_

**Probe Liner** ☐ quartz ☐ glass ☐ steel ☐ Teflon ☐ other \_\_\_\_\_

**Filter Information**

Front Half: ☐ quartz fiber ☐ glass fiber ☐ Teflon ☐ Teflon/quartz ☐ other \_\_\_\_\_

Filter Number: Run 1: \_\_\_\_\_ Run 2: \_\_\_\_\_ Run 3: \_\_\_\_\_ Run \_\_\_\_\_

Back Half: ☐ quartz fiber ☐ glass fiber ☐ Teflon ☐ Teflon/quartz ☐ other \_\_\_\_\_

|                                 |                                        |                            |
|---------------------------------|----------------------------------------|----------------------------|
| <b>Reagent Information</b>      |                                        | <b>Sample Observations</b> |
| Type <u>0.1NH<sub>4</sub>Cl</u> | Lot Number <u>HCL R000694/12000308</u> |                            |
| Type <u>1H<sub>2</sub>O</u>     | <u>R000740</u>                         |                            |
|                                 |                                        |                            |
|                                 |                                        |                            |
|                                 |                                        |                            |
|                                 |                                        |                            |

QA/QC Check: Completeness \_\_\_\_\_ Legibility \_\_\_\_\_ Accuracy \_\_\_\_\_ Specifications \_\_\_\_\_

Checked by: \_\_\_\_\_ Team Leader: \_\_\_\_\_

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| Project Information |                   |                                    |                      | Sampling Conditions                    |                                   |                        |                               | ALT 011                                                                                                                              |                 |            |                        |                               |                     |
|---------------------|-------------------|------------------------------------|----------------------|----------------------------------------|-----------------------------------|------------------------|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------|------------------------|-------------------------------|---------------------|
| Date                | Customer/Facility | Unit ID/Sample Location            | Run #                | Static Pressure, in. H <sub>2</sub> O  | Barometric Pressure, in. Hg       | Wind Speed / Direction | Probe / Filter Temp Range, °F | Ambient Temp. °F                                                                                                                     | TC ID:          | Ambient °F | Ref. °F                |                               |                     |
| 07/10/24            | S.V.P. DVL        | UNIT 28 / BASELOAT                 | 1-114-2-B            | 0.992                                  | 30.06                             | 6 MPH NW               | NA                            | 70                                                                                                                                   |                 |            |                        |                               |                     |
| Calibration         |                   |                                    |                      | Equipment Checks                       |                                   |                        |                               | Notes:                                                                                                                               |                 |            |                        |                               |                     |
| Meterbox ID         | 08-22             | Meterbox Y                         | 0.992                | Pilot (+), pass @ in. H <sub>2</sub> O | Pre                               | Mid                    | Post                          | Ref. Thermometer ID <u>SE 13</u><br>Continuity Check <input type="checkbox"/> Continuity w/ Proper Polarity <input type="checkbox"/> |                 |            |                        |                               |                     |
| Umbilical ID        | NA                | Meterbox ΔH @ in. H <sub>2</sub> O | 1.834                | Pilot (-), pass @ in. H <sub>2</sub> O |                                   |                        |                               |                                                                                                                                      |                 |            |                        |                               |                     |
| Nozzle ID           | NA                | Nozzle diameter, Dn, in.           | NA                   | Pilot visual inspection                |                                   |                        |                               |                                                                                                                                      |                 |            |                        |                               |                     |
| Pilot / Probe ID    | SS                | Pilot coefficient, Cp              | NA                   | Nozzle visual inspection               |                                   |                        |                               |                                                                                                                                      |                 |            |                        |                               |                     |
| Manometer ID        | CB-22             | Manometer zero and level           | Yes                  | Meter, cfm @ in. Hg                    |                                   |                        |                               |                                                                                                                                      |                 |            |                        |                               |                     |
| Sensitivity         |                   |                                    |                      | Intermediate leak check volume, ft³    |                                   |                        |                               |                                                                                                                                      |                 |            |                        |                               |                     |
| K-Factor            |                   |                                    |                      | NA                                     |                                   |                        |                               |                                                                                                                                      |                 |            |                        |                               |                     |
| Traverse Point #    | Elapsed Time      | Clock Time 24hr                    | DGM Reading, Vm, ft³ | Velocity Head, ΔP in H <sub>2</sub> O  | Orifice Pressure Differential, ΔH |                        | Stack Temp, °F                | Probe Temp, °F                                                                                                                       | Filter Temp, °F |            | Impinger Exit Temp, °F | Dry Gas Meter Temperature, °F | Pump Vacuum, in. Hg |
|                     |                   |                                    |                      |                                        | Target                            | Actual                 |                               |                                                                                                                                      | Box             | Exit       | Inlet                  | Outlet                        |                     |
| 1                   | 0                 | 1020                               | 036.205              | —                                      | 1.8                               | 1.8                    | —                             | —                                                                                                                                    | —               | —          | —                      | 68                            | 5                   |
| 2                   | 10                | 1030                               | 043.610              | —                                      | 1.8                               | 1.8                    | —                             | —                                                                                                                                    | —               | —          | —                      | 68                            | 5                   |
| 3                   | 20                | 1040                               | 051.010              | —                                      | 1.8                               | 1.8                    | —                             | —                                                                                                                                    | —               | —          | —                      | 68                            | 5                   |
| END                 | 30                | 1050                               | 058.415              | —                                      | —                                 | —                      | —                             | —                                                                                                                                    | —               | —          | —                      | —                             | —                   |
| Averages            |                   |                                    |                      | 22.210                                 | 1.90                              |                        |                               |                                                                                                                                      |                 |            |                        |                               | 60                  |

[illegible]

| Project Information          |              |                   |                                                 | Sampling Conditions                   |                                   |                |                |                 |                        |                               |                     |
|------------------------------|--------------|-------------------|-------------------------------------------------|---------------------------------------|-----------------------------------|----------------|----------------|-----------------|------------------------|-------------------------------|---------------------|
| Date                         | Project #    | Customer/Facility | Unit ID/Sample Location                         | Static Pressure, in. H <sub>2</sub> O | Ambient Temp, °F                  | Stack          | ALT 0111       |                 |                        |                               |                     |
| 07/16/24                     | 042969       | DVP               |                                                 | NA                                    | 7                                 | NA             | TC ID: NA      |                 |                        |                               |                     |
| Customer/Facility            |              |                   |                                                 | Barometric Pressure, in. Hg           | Ref. Barometer ID                 | Probe          | NA             |                 |                        |                               |                     |
| Unit ID/Sample Location      |              |                   |                                                 | Wind Speed / Direction                | Y / N, type                       | Filter Box     | NA             |                 |                        |                               |                     |
| Run # 3-WH-2-B&S Operator SF |              |                   |                                                 | Probe / Filter Temp Range, °F         | NA                                | Filter Exit    | NA             |                 |                        |                               |                     |
| Sampling Equipment IDs       |              |                   |                                                 | Equipment Checks                      |                                   |                |                |                 |                        |                               |                     |
| Meterbox ID                  | Calibration  | Meterbox Y        | Pitot (+), pass @ in. H <sub>2</sub> O          | Pre                                   | Mid                               | Post           |                |                 |                        |                               |                     |
| CB-22                        | 0.992        | 1.834             | Pitot (-), pass @ in. H <sub>2</sub> O          |                                       |                                   |                |                |                 |                        |                               |                     |
| NA                           | NA           | NA                | Pitot visual inspection                         |                                       |                                   |                |                |                 |                        |                               |                     |
| NA                           | NA           | NA                | Nozzle visual inspection                        |                                       |                                   |                |                |                 |                        |                               |                     |
| SS                           | NA           | NA                | Meter, cfm @ in. Hg                             |                                       |                                   |                |                |                 |                        |                               |                     |
| CB-22                        | 0.001 @ 1.5" | 0.002 @ 7         | Intermediate leak check volume, ft <sup>3</sup> |                                       |                                   |                |                |                 |                        |                               |                     |
| Sensitivity                  | 0.0          |                   |                                                 |                                       |                                   |                |                |                 |                        |                               |                     |
| Traverse Point #             | Elapsed Time | Clock Time 24hr   | DGM Reading, Vm, ft <sup>3</sup>                | Velocity Head, ΔP in H <sub>2</sub> O | Orifice Pressure Differential, ΔH | Stack Temp, °F | Probe Temp, °F | Filter Temp, °F | Impinger Exit Temp, °F | Dry Gas Meter Temperature, °F | Pump Vacuum, in. Hg |
| 1                            | 0            | 1132              | 081.670                                         | 1.8                                   | 1.8                               | 43             | 68             | 68              | 68                     | 5                             |                     |
| 2                            | 10           | 1142              | 089.120                                         | 1.8                                   | 1.8                               | 43             | 68             | 68              | 68                     | 5                             |                     |
| 3                            | 20           | 1152              | 096.570                                         | 1.8                                   | 1.8                               | 44             | 68             | 68              | 68                     | 5                             |                     |
| END                          | 30           | 1202              | 104.025                                         |                                       |                                   |                |                |                 |                        |                               |                     |
| Averages                     |              |                   |                                                 |                                       |                                   |                |                |                 |                        |                               |                     |
| 22.35 1.90 68.0              |              |                   |                                                 |                                       |                                   |                |                |                 |                        |                               |                     |



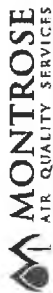
EPA Method 5-1B Field Datasheet (Isokinetic)

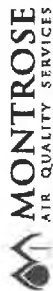
Page 1 of 1

| Project Information     |                         |                                       |                                    | Sampling Conditions                             |                                   |                               |                               | ALT 011 |  |  |  |
|-------------------------|-------------------------|---------------------------------------|------------------------------------|-------------------------------------------------|-----------------------------------|-------------------------------|-------------------------------|---------|--|--|--|
| Date                    | Project #               | Static Pressure, in. H <sub>2</sub> O | Ambient Temp, °F                   | Stack                                           | TC ID:                            | Ambient °F                    | Ref. °F                       |         |  |  |  |
| 07/18/24                | 042969                  | NA                                    | 77                                 | Probe                                           |                                   |                               |                               |         |  |  |  |
| Customer/Facility       | S.V.P. DVR              | Barometric Pressure, in. Hg           | Ref. Barometer ID                  | Filter Box                                      |                                   |                               |                               |         |  |  |  |
| Unit ID/Sample Location | UNIT #2 MAX LOAD        | Wind Speed / Direction                | Precipitation, Y / N, type         | Filter Exit                                     |                                   |                               |                               |         |  |  |  |
| Run #                   | 4-NH <sub>2</sub> -Z SF | Probe / Filter Temp Range, °F         | NA                                 | Meter outlet                                    |                                   |                               |                               |         |  |  |  |
| Sampling Equipment IDs  |                         |                                       |                                    | Equipment Checks                                |                                   |                               |                               |         |  |  |  |
| Meterbox ID             | Calibration             | Meterbox Y                            | Meterbox ΔH@, in. H <sub>2</sub> O | Pitot (+), pass @ in. H <sub>2</sub> O          | Pre                               | Mid                           | Post                          |         |  |  |  |
| 08-22                   | NA                      | 0.992                                 | 1.834                              | Pitot (-), pass @ in. H <sub>2</sub> O          | <input type="checkbox"/> @        | <input type="checkbox"/> @    | <input type="checkbox"/> @    |         |  |  |  |
| Umbilical ID            | NA                      | NA                                    | NA                                 | Pitot visual inspection                         | <input type="checkbox"/> pass     | <input type="checkbox"/> pass | <input type="checkbox"/> pass |         |  |  |  |
| Nozzle ID               | SS                      | NA                                    | NA                                 | Nozzle visual inspection                        | <input type="checkbox"/> pass     | <input type="checkbox"/> pass | <input type="checkbox"/> pass |         |  |  |  |
| Pitot / Probe ID        | CB-22                   | Manometer zero and level              | NA                                 | Meter, cfm @ in. Hg                             | 0.001 @ 15"                       | @                             | 0.001 @ 8"                    |         |  |  |  |
| Manometer ID            | 0.0                     | K-Factor                              | NA                                 | Intermediate leak check volume, ft <sup>3</sup> |                                   |                               |                               |         |  |  |  |
| Sensitivity             |                         |                                       |                                    | Notes:                                          |                                   |                               |                               |         |  |  |  |
| Traverse Point #        | Elapsed Time            | Clock Time 24hr                       | DGM Reading, Vm, ft <sup>3</sup>   | Velocity Head, ΔP in H <sub>2</sub> O           | Orifice Pressure Differential, ΔH | Stack Temp, °F                | Probe Temp, °F                |         |  |  |  |
| 1                       | 0                       | 0939                                  | 104.140                            | —                                               | Target Actual                     | Impinger Exit Temp, °F        | Dry Gas Meter Temperature, °F |         |  |  |  |
| 2                       | 10                      | 0949                                  | 111.645                            | —                                               | 1.8 1.8                           | Box Exit                      | Inlet Outlet                  |         |  |  |  |
| 3                       | 20                      | 0957                                  | 119.265                            | —                                               | 1.8 1.8                           | —                             | —                             |         |  |  |  |
| END                     | 30                      | 1009                                  | 127.000                            | —                                               | —                                 | —                             | —                             |         |  |  |  |
| Averages                |                         |                                       |                                    | 74                                              |                                   |                               |                               |         |  |  |  |

QA/QC Check: Completeness \_\_\_\_\_ Legibility \_\_\_\_\_ Accuracy \_\_\_\_\_ Specifications \_\_\_\_\_ Checked By \_\_\_\_\_ Team Leader \_\_\_\_\_

001AS-QMS-FM-225

[illegible]

[illegible]





| Project Information    |                  |                                     |                                     | Sampling Conditions                             |                                        |                         |                          |
|------------------------|------------------|-------------------------------------|-------------------------------------|-------------------------------------------------|----------------------------------------|-------------------------|--------------------------|
| Date                   | Project #        | Customer/Facility                   | Unit ID                             | Static Pressure, in. H <sub>2</sub> O           | Ambient Temp. °F                       | TC ID                   | Ambient °F               |
| 5/7/19/24              | 042-969          | SUP DWR                             | Unit 2 Min lead                     | NA                                              | 69                                     | NA                      | NA                       |
| Sampling Equipment IDs |                  |                                     |                                     | Equipment Checks                                |                                        |                         |                          |
| Meterbox ID            | Meterbox Y       | Meterbox ΔH @, in. H <sub>2</sub> O | Meterbox ΔH @, in. H <sub>2</sub> O | Pilot (+), pass @ in. H <sub>2</sub> O          | Pilot (-), pass @ in. H <sub>2</sub> O | Pilot Visual Inspection | Nozzle Visual Inspection |
| NA                     | NA               | NA                                  | NA                                  | NA                                              | NA                                     | NA                      | NA                       |
| Nozzle ID              | Pilot / Probe ID | Pilot coefficient, Cp               | Manometer zero and level            | Manometer ID                                    | Manometer ID                           | Manometer ID            | Manometer ID             |
| SS                     | CB-18            | NA                                  | yes                                 | NA                                              | NA                                     | NA                      | NA                       |
| Sensitivity 0.001      |                  |                                     |                                     | Intermediate leak check volume, ft <sup>3</sup> |                                        |                         |                          |
| Traverse Point #       | Elapsed Time     | Clock Time 24hr                     | DGM Reading, Vm, ft <sup>3</sup>    | Velocity Head, ΔP in H <sub>2</sub> O           | Orifice Pressure Differential, ΔH      | Slack Temp, °F          | Probe Temp, °F           |
| 1                      | 0                | 0846                                | 307.685                             | NA                                              | Target                                 | Actual                  | Box                      |
| 2                      | 10               | 0856                                | 305.445                             | NA                                              | 1.8                                    | 1.8                     | NA                       |
| 3                      | 20               | 0906                                | 323.205                             | NA                                              | 1.8                                    | 1.8                     | NA                       |
| END                    | 30               | 0916                                | 380.965                             | NA                                              | NA                                     | NA                      | NA                       |
| Averages               |                  |                                     |                                     | 100                                             |                                        |                         |                          |



| Project Information                                                                                                                                         |              |                         |                      | Sampling Conditions                                                                                                                                                                                                                   |                                  |                |                |                                                                                                                                                                                                                                                                                                                              |                        |                               |                     |                                                                                                                                                         |  |  |  |                                                                                                                                               |  |  |  |                                                                                                                                                         |  |  |  |                                                                                                                                      |  |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------------------|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|----------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|---------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| Date                                                                                                                                                        | 7/19/24      | Project #               | 042969               | Static Pressure, in. H <sub>2</sub> O                                                                                                                                                                                                 | Ambient Temp, °F                 | TC ID:         | Ambient °F     |                                                                                                                                                                                                                                                                                                                              |                        |                               |                     |                                                                                                                                                         |  |  |  |                                                                                                                                               |  |  |  |                                                                                                                                                         |  |  |  |                                                                                                                                      |  |  |  |
| Customer/Facility                                                                                                                                           | CVR DVA      | Unit ID/Sample Location | UNIT #2 / MIN LOAD   | Barometric Pressure, in. Hg                                                                                                                                                                                                           | Ref. Barometer ID                | Stack          | Ref. °F        |                                                                                                                                                                                                                                                                                                                              |                        |                               |                     |                                                                                                                                                         |  |  |  |                                                                                                                                               |  |  |  |                                                                                                                                                         |  |  |  |                                                                                                                                      |  |  |  |
| Run #                                                                                                                                                       | 9            | Operator                | JE                   | Wind Speed / Direction                                                                                                                                                                                                                | Precipitation, Y / N             | Probe          |                |                                                                                                                                                                                                                                                                                                                              |                        |                               |                     |                                                                                                                                                         |  |  |  |                                                                                                                                               |  |  |  |                                                                                                                                                         |  |  |  |                                                                                                                                      |  |  |  |
|                                                                                                                                                             |              |                         |                      | Probe / Filter Temp Range, °F                                                                                                                                                                                                         |                                  | Filter Box     |                |                                                                                                                                                                                                                                                                                                                              |                        |                               |                     |                                                                                                                                                         |  |  |  |                                                                                                                                               |  |  |  |                                                                                                                                                         |  |  |  |                                                                                                                                      |  |  |  |
|                                                                                                                                                             |              |                         |                      |                                                                                                                                                                                                                                       |                                  | Filter Exit    |                |                                                                                                                                                                                                                                                                                                                              |                        |                               |                     |                                                                                                                                                         |  |  |  |                                                                                                                                               |  |  |  |                                                                                                                                                         |  |  |  |                                                                                                                                      |  |  |  |
| <b>Sampling Equipment IDs</b><br>Meterbox ID: CB-18<br>Umbilical ID: NA<br>Nozzle ID: NA<br>Pitot / Probe ID: SS<br>Manometer ID: CB-18<br>Sensitivity: 0.0 |              |                         |                      | <b>Calibration</b><br>Meterbox Y: 0.990<br>Meterbox ΔH@ in. H <sub>2</sub> O: 1.945<br>Nozzle diameter, Dn, in.: NA<br>Pitot coefficient, Cp: NA<br>Manometer zero and level: <input checked="" type="checkbox"/> yes<br>K-Factor: NA |                                  |                |                | <b>Equipment Checks</b><br>Pitot (+), pass @ in. H <sub>2</sub> O: <input type="checkbox"/> @<br>Pitot (-), pass @ in. H <sub>2</sub> O: <input type="checkbox"/> @<br>Pitot visual inspection: <input type="checkbox"/> pass<br>Nozzle visual inspection: <input type="checkbox"/> pass<br>Meter, cfm @ in. Hg: 0.001 @ 15" |                        |                               |                     | <b>Pre</b><br><input type="checkbox"/> @<br><input type="checkbox"/> @<br><input type="checkbox"/> pass<br><input type="checkbox"/> pass<br>0.001 @ 15" |  |  |  | <b>Mid</b><br><input type="checkbox"/> @<br><input type="checkbox"/> @<br><input type="checkbox"/> pass<br><input type="checkbox"/> pass<br>@ |  |  |  | <b>Post</b><br><input type="checkbox"/> @<br><input type="checkbox"/> @<br><input type="checkbox"/> pass<br><input type="checkbox"/> pass<br>D.001 @ 8" |  |  |  | Ref. Thermometer ID: <u>Trail 4</u><br>Continuity Check: <input checked="" type="checkbox"/> Continuity w/ Proper Polarity<br>Notes: |  |  |  |
| Traverse Point #                                                                                                                                            | Elapsed Time | Clock Time 24hr         | DGM Reading, Vm, ft³ | Velocity Head, ΔP in H <sub>2</sub> O                                                                                                                                                                                                 | Office Pressure Differential, ΔH | Stack Temp, °F | Probe Temp, °F | Filter Temp, °F                                                                                                                                                                                                                                                                                                              | Impinger Exit Temp, °F | Dry Gas Meter Temperature, °F | Pump Vacuum, in. Hg |                                                                                                                                                         |  |  |  |                                                                                                                                               |  |  |  |                                                                                                                                                         |  |  |  |                                                                                                                                      |  |  |  |
|                                                                                                                                                             |              |                         |                      |                                                                                                                                                                                                                                       | Target                           | Actual         |                | Box                                                                                                                                                                                                                                                                                                                          | Exit                   | Inlet                         | Outlet              |                                                                                                                                                         |  |  |  |                                                                                                                                               |  |  |  |                                                                                                                                                         |  |  |  |                                                                                                                                      |  |  |  |
| 1                                                                                                                                                           | 0            | 0924                    | 331.130              | —                                                                                                                                                                                                                                     | 1.8                              | 1.8            | —              | —                                                                                                                                                                                                                                                                                                                            | —                      | 98                            | 5                   |                                                                                                                                                         |  |  |  |                                                                                                                                               |  |  |  |                                                                                                                                                         |  |  |  |                                                                                                                                      |  |  |  |
| 2                                                                                                                                                           | 10           | 0934                    | 337.090              | —                                                                                                                                                                                                                                     | 1.8                              | 1.8            | —              | —                                                                                                                                                                                                                                                                                                                            | —                      | 99                            | 5                   |                                                                                                                                                         |  |  |  |                                                                                                                                               |  |  |  |                                                                                                                                                         |  |  |  |                                                                                                                                      |  |  |  |
| 3                                                                                                                                                           | 20           | 0944                    | 347.050              | —                                                                                                                                                                                                                                     | 1.8                              | 1.8            | —              | —                                                                                                                                                                                                                                                                                                                            | —                      | 101                           | 5                   |                                                                                                                                                         |  |  |  |                                                                                                                                               |  |  |  |                                                                                                                                                         |  |  |  |                                                                                                                                      |  |  |  |
| END                                                                                                                                                         | 30           | 0954                    | 355.010              | —                                                                                                                                                                                                                                     | —                                | —              | —              | —                                                                                                                                                                                                                                                                                                                            | —                      | —                             | —                   |                                                                                                                                                         |  |  |  |                                                                                                                                               |  |  |  |                                                                                                                                                         |  |  |  |                                                                                                                                      |  |  |  |
| <b>Averages</b><br>23.870<br>99.3                                                                                                                           |              |                         |                      |                                                                                                                                                                                                                                       |                                  |                |                |                                                                                                                                                                                                                                                                                                                              |                        |                               |                     |                                                                                                                                                         |  |  |  |                                                                                                                                               |  |  |  |                                                                                                                                                         |  |  |  |                                                                                                                                      |  |  |  |

## **Appendix A.4**

### **Instrumental Test Method Data**



| MAQDAQ 1.0            |                             |                        |                             |
|-----------------------|-----------------------------|------------------------|-----------------------------|
| Project Name: SVP DVR | Project Number: PROJ-042969 | CEMS Operator: N.PATEL | Unit/Condition: UNIT 1 BASE |
| Run Length: 30        | Record Interval: 6          | Average Interval: 60   | Triplicate Sampling: False  |
| Traverse: True        | Ports: 1                    | Points per port: 3     | DAQ Device: DT9803(01)      |

| Run 1 Average Results |             |            |             |  |  |  |  |  |
|-----------------------|-------------|------------|-------------|--|--|--|--|--|
| 12:19:00 - 12:49:00   |             |            |             |  |  |  |  |  |
|                       | Name:       | O2 (OX-10) | CO2 (CD-10) |  |  |  |  |  |
|                       | Make/Model: |            |             |  |  |  |  |  |
| Jul 15 2024           | 12:20:00    | 14.23      | 3.745       |  |  |  |  |  |
| Jul 15 2024           | 12:21:00    | 14.24      | 3.741       |  |  |  |  |  |
| Jul 15 2024           | 12:22:00    | 14.25      | 3.743       |  |  |  |  |  |
| Jul 15 2024           | 12:23:00    | 14.25      | 3.739       |  |  |  |  |  |
| Jul 15 2024           | 12:24:00    | 14.25      | 3.743       |  |  |  |  |  |
| Jul 15 2024           | 12:25:00    | 14.25      | 3.741       |  |  |  |  |  |
| Jul 15 2024           | 12:26:00    | 14.25      | 3.743       |  |  |  |  |  |
| Jul 15 2024           | 12:27:00    | 14.26      | 3.740       |  |  |  |  |  |
| Jul 15 2024           | 12:28:00    | 14.25      | 3.741       |  |  |  |  |  |
| Jul 15 2024           | 12:29:00    | 14.25      | 3.740       |  |  |  |  |  |
| End of port 1 point 1 |             |            |             |  |  |  |  |  |
| Jul 15 2024           | 12:30:00    | 14.25      | 3.742       |  |  |  |  |  |
| Jul 15 2024           | 12:31:00    | 14.25      | 3.743       |  |  |  |  |  |
| Jul 15 2024           | 12:32:00    | 14.25      | 3.740       |  |  |  |  |  |
| Jul 15 2024           | 12:33:00    | 14.26      | 3.742       |  |  |  |  |  |
| Jul 15 2024           | 12:34:00    | 14.25      | 3.741       |  |  |  |  |  |
| Jul 15 2024           | 12:35:00    | 14.25      | 3.744       |  |  |  |  |  |
| Jul 15 2024           | 12:36:00    | 14.26      | 3.739       |  |  |  |  |  |
| Jul 15 2024           | 12:37:00    | 14.25      | 3.741       |  |  |  |  |  |
| Jul 15 2024           | 12:38:00    | 14.25      | 3.738       |  |  |  |  |  |
| Jul 15 2024           | 12:39:00    | 14.26      | 3.738       |  |  |  |  |  |
| End of port 1 point 2 |             |            |             |  |  |  |  |  |
| Jul 15 2024           | 12:40:00    | 14.27      | 3.737       |  |  |  |  |  |
| Jul 15 2024           | 12:41:00    | 14.26      | 3.738       |  |  |  |  |  |
| Jul 15 2024           | 12:42:00    | 14.25      | 3.740       |  |  |  |  |  |
| Jul 15 2024           | 12:43:00    | 14.26      | 3.737       |  |  |  |  |  |
| Jul 15 2024           | 12:44:00    | 14.26      | 3.743       |  |  |  |  |  |
| Jul 15 2024           | 12:45:00    | 14.26      | 3.738       |  |  |  |  |  |
| Jul 15 2024           | 12:46:00    | 14.26      | 3.742       |  |  |  |  |  |
| Jul 15 2024           | 12:47:00    | 14.25      | 3.740       |  |  |  |  |  |
| Jul 15 2024           | 12:48:00    | 14.25      | 3.742       |  |  |  |  |  |
| Jul 15 2024           | 12:49:00    | 14.26      | 3.739       |  |  |  |  |  |
| End of port 1 point 3 |             |            |             |  |  |  |  |  |
|                       | Average:    | 14.25      | 3.741       |  |  |  |  |  |
|                       | Max:        | 14.27      | 3.745       |  |  |  |  |  |
|                       | Min:        | 14.23      | 3.737       |  |  |  |  |  |

| Stratification Results |             |            |             |  |  |  |  |  |
|------------------------|-------------|------------|-------------|--|--|--|--|--|
| Port                   | Point       | O2 (OX-10) | CO2 (CD-10) |  |  |  |  |  |
| 1                      | 1           | 14.25      | 3.742       |  |  |  |  |  |
| 1                      | 2           | 14.26      | 3.741       |  |  |  |  |  |
| 1                      | 3           | 14.25      | 3.741       |  |  |  |  |  |
|                        | Strat diff: | 0.007      | 0.001       |  |  |  |  |  |
|                        | Strat %:    | 0.047      | 0.018       |  |  |  |  |  |



## MAQDAQ 1.0

|                       |                             |                        |                             |
|-----------------------|-----------------------------|------------------------|-----------------------------|
| Project Name: SVP DVR | Project Number: PROJ-042969 | CEMS Operator: N.PATEL | Unit/Condition: UNIT 1 BASE |
| Run Length: 30        | Record Interval: 6          | Average Interval: 60   | Triplicate Sampling: False  |
| Traverse: True        | Ports: 1                    | Points per port: 3     | DAQ Device: DT9803(01)      |

### Run 1 Post run bias

12:19:00 - 12:49:00

|                    |            |             |  |  |  |  |  |  |
|--------------------|------------|-------------|--|--|--|--|--|--|
| <b>Name:</b>       | O2 (OX-10) | CO2 (CD-10) |  |  |  |  |  |  |
| <b>Make/Model:</b> |            |             |  |  |  |  |  |  |
| <b>25A or 7E:</b>  | 7E         | 7E          |  |  |  |  |  |  |

### Run summary data

|                 |       |       |  |  |  |  |  |  |
|-----------------|-------|-------|--|--|--|--|--|--|
| <b>Raw Avg:</b> | 14.25 | 3.741 |  |  |  |  |  |  |
| <b>Max:</b>     | 14.27 | 3.745 |  |  |  |  |  |  |
| <b>Min:</b>     | 14.23 | 3.737 |  |  |  |  |  |  |

### Cylinder Concentrations

|              |       |       |  |  |  |  |  |  |
|--------------|-------|-------|--|--|--|--|--|--|
| <b>Zero:</b> | 0.000 | 0.000 |  |  |  |  |  |  |
| <b>Low:</b>  |       |       |  |  |  |  |  |  |
| <b>Mid:</b>  | 11.61 | 3.985 |  |  |  |  |  |  |
| <b>High:</b> | 21.12 | 8.376 |  |  |  |  |  |  |

### Calibration Readings

|                      |        |        |  |  |  |  |  |  |
|----------------------|--------|--------|--|--|--|--|--|--|
| <b>Zero reading:</b> | -0.014 | -0.002 |  |  |  |  |  |  |
| <b>Low reading:</b>  |        |        |  |  |  |  |  |  |
| <b>Mid reading:</b>  | 11.55  | 3.980  |  |  |  |  |  |  |
| <b>High reading:</b> | 21.07  | 8.375  |  |  |  |  |  |  |

### EPA Method 7E Error Calculations

|                   |      |        |        |  |  |  |  |  |
|-------------------|------|--------|--------|--|--|--|--|--|
| <b>Zero %Err:</b> | <2.0 | -0.066 | -0.024 |  |  |  |  |  |
| <b>Mid %Err:</b>  | <2.0 | -0.284 | -0.060 |  |  |  |  |  |
| <b>High %Err:</b> | <2.0 | -0.237 | -0.012 |  |  |  |  |  |

### Initial Bias Data

|                      |       |        |        |  |  |  |  |  |
|----------------------|-------|--------|--------|--|--|--|--|--|
| <b>Zero reading:</b> | 0.029 | -0.007 |        |  |  |  |  |  |
| <b>Span reading:</b> | 11.49 | 3.949  |        |  |  |  |  |  |
| <b>Zero % bias:</b>  | <5.0  | 0.204  | -0.060 |  |  |  |  |  |
| <b>Span % bias:</b>  | <5.0  | -0.284 | -0.370 |  |  |  |  |  |

### Final Bias Data

|                      |       |        |        |  |  |  |  |  |
|----------------------|-------|--------|--------|--|--|--|--|--|
| <b>Zero reading:</b> | 0.035 | 0.010  |        |  |  |  |  |  |
| <b>Span reading:</b> | 11.51 | 3.927  |        |  |  |  |  |  |
| <b>Zero % bias:</b>  | <5.0  | 0.232  | 0.143  |  |  |  |  |  |
| <b>Span % bias:</b>  | <5.0  | -0.189 | -0.633 |  |  |  |  |  |
| <b>Zero % drift:</b> | <3.0  | 0.028  | 0.203  |  |  |  |  |  |
| <b>Span % drift:</b> | <3.0  | 0.095  | 0.263  |  |  |  |  |  |

### Bias Corrected Averages

|                 |       |       |  |  |  |  |  |  |
|-----------------|-------|-------|--|--|--|--|--|--|
| <b>Cor Avg:</b> | 14.39 | 3.786 |  |  |  |  |  |  |
|-----------------|-------|-------|--|--|--|--|--|--|



| MAQDAQ 1.0            |                             |                        |                             |
|-----------------------|-----------------------------|------------------------|-----------------------------|
| Project Name: SVP DVR | Project Number: PROJ-042969 | CEMS Operator: N.PATEL | Unit/Condition: UNIT 1 BASE |
| Run Length: 30        | Record Interval: 6          | Average Interval: 60   | Triplicate Sampling: False  |
| Traverse: True        | Ports: 1                    | Points per port: 3     | DAQ Device: DT9803(01)      |

| Run 2 Average Results - RUN 2 1305-1335 |             |            |             |  |  |  |  |  |
|-----------------------------------------|-------------|------------|-------------|--|--|--|--|--|
| 12:59:00 - 13:29:00                     |             |            |             |  |  |  |  |  |
|                                         | Name:       | O2 (OX-10) | CO2 (CD-10) |  |  |  |  |  |
|                                         | Make/Model: |            |             |  |  |  |  |  |
| Jul 15 2024                             | 13:00:00    | 14.27      | 3.734       |  |  |  |  |  |
| Jul 15 2024                             | 13:01:00    | 14.27      | 3.734       |  |  |  |  |  |
| Jul 15 2024                             | 13:02:00    | 14.26      | 3.732       |  |  |  |  |  |
| Jul 15 2024                             | 13:03:00    | 14.27      | 3.731       |  |  |  |  |  |
| Jul 15 2024                             | 13:04:00    | 14.26      | 3.731       |  |  |  |  |  |
| Jul 15 2024                             | 13:05:00    | 14.26      | 3.731       |  |  |  |  |  |
| Jul 15 2024                             | 13:06:00    | 14.26      | 3.734       |  |  |  |  |  |
| Jul 15 2024                             | 13:07:00    | 14.26      | 3.731       |  |  |  |  |  |
| Jul 15 2024                             | 13:08:00    | 14.26      | 3.733       |  |  |  |  |  |
| Jul 15 2024                             | 13:09:00    | 14.26      | 3.733       |  |  |  |  |  |
| End of port 1 point 1                   |             |            |             |  |  |  |  |  |
| Jul 15 2024                             | 13:10:00    | 14.26      | 3.734       |  |  |  |  |  |
| Jul 15 2024                             | 13:11:00    | 14.27      | 3.734       |  |  |  |  |  |
| Jul 15 2024                             | 13:12:00    | 14.27      | 3.731       |  |  |  |  |  |
| Jul 15 2024                             | 13:13:00    | 14.26      | 3.733       |  |  |  |  |  |
| Jul 15 2024                             | 13:14:00    | 14.26      | 3.730       |  |  |  |  |  |
| Jul 15 2024                             | 13:15:00    | 14.26      | 3.731       |  |  |  |  |  |
| Jul 15 2024                             | 13:16:00    | 14.27      | 3.728       |  |  |  |  |  |
| Jul 15 2024                             | 13:17:00    | 14.26      | 3.729       |  |  |  |  |  |
| Jul 15 2024                             | 13:18:00    | 14.26      | 3.728       |  |  |  |  |  |
| Jul 15 2024                             | 13:19:00    | 14.26      | 3.731       |  |  |  |  |  |
| End of port 1 point 2                   |             |            |             |  |  |  |  |  |
| Jul 15 2024                             | 13:20:00    | 14.26      | 3.727       |  |  |  |  |  |
| Jul 15 2024                             | 13:21:00    | 14.26      | 3.728       |  |  |  |  |  |
| Jul 15 2024                             | 13:22:00    | 14.26      | 3.727       |  |  |  |  |  |
| Jul 15 2024                             | 13:23:00    | 14.26      | 3.727       |  |  |  |  |  |
| Jul 15 2024                             | 13:24:00    | 14.26      | 3.725       |  |  |  |  |  |
| Jul 15 2024                             | 13:25:00    | 14.26      | 3.723       |  |  |  |  |  |
| Jul 15 2024                             | 13:26:00    | 14.26      | 3.726       |  |  |  |  |  |
| Jul 15 2024                             | 13:27:00    | 14.26      | 3.722       |  |  |  |  |  |
| Jul 15 2024                             | 13:28:00    | 14.26      | 3.726       |  |  |  |  |  |
| Jul 15 2024                             | 13:29:00    | 14.26      | 3.721       |  |  |  |  |  |
| End of port 1 point 3                   |             |            |             |  |  |  |  |  |
|                                         | Average:    | 14.26      | 3.730       |  |  |  |  |  |
|                                         | Max:        | 14.27      | 3.734       |  |  |  |  |  |
|                                         | Min:        | 14.26      | 3.721       |  |  |  |  |  |

| Stratification Results |             |            |             |  |  |  |  |  |
|------------------------|-------------|------------|-------------|--|--|--|--|--|
| Port                   | Point       | O2 (OX-10) | CO2 (CD-10) |  |  |  |  |  |
| 1                      | 1           | 14.26      | 3.732       |  |  |  |  |  |
| 1                      | 2           | 14.27      | 3.730       |  |  |  |  |  |
| 1                      | 3           | 14.26      | 3.725       |  |  |  |  |  |
|                        | Strat diff: | 0.007      | 0.003       |  |  |  |  |  |
|                        | Strat %:    | 0.047      | 0.107       |  |  |  |  |  |



# MAQDAQ 1.0

|                       |                             |                        |                             |
|-----------------------|-----------------------------|------------------------|-----------------------------|
| Project Name: SVP DVR | Project Number: PROJ-042969 | CEMS Operator: N.PATEL | Unit/Condition: UNIT 1 BASE |
| Run Length: 30        | Record Interval: 6          | Average Interval: 60   | Triplicate Sampling: False  |
| Traverse: True        | Ports: 1                    | Points per port: 3     | DAQ Device: DT9803(01)      |

## Run 2 Post run bias - RUN 2 1305-1335

12:59:00 - 13:29:00

|                    |            |             |  |  |  |  |  |  |
|--------------------|------------|-------------|--|--|--|--|--|--|
| <b>Name:</b>       | O2 (OX-10) | CO2 (CD-10) |  |  |  |  |  |  |
| <b>Make/Model:</b> |            |             |  |  |  |  |  |  |
| <b>25A or 7E:</b>  | 7E         | 7E          |  |  |  |  |  |  |

### Run summary data

|                 |       |       |  |  |  |  |  |  |
|-----------------|-------|-------|--|--|--|--|--|--|
| <b>Raw Avg:</b> | 14.26 | 3.730 |  |  |  |  |  |  |
| <b>Max:</b>     | 14.27 | 3.734 |  |  |  |  |  |  |
| <b>Min:</b>     | 14.26 | 3.721 |  |  |  |  |  |  |

### Cylinder Concentrations

|              |       |       |  |  |  |  |  |  |
|--------------|-------|-------|--|--|--|--|--|--|
| <b>Zero:</b> | 0.000 | 0.000 |  |  |  |  |  |  |
| <b>Low:</b>  |       |       |  |  |  |  |  |  |
| <b>Mid:</b>  | 11.61 | 3.985 |  |  |  |  |  |  |
| <b>High:</b> | 21.12 | 8.376 |  |  |  |  |  |  |

### Calibration Readings

|                      |        |        |  |  |  |  |  |  |
|----------------------|--------|--------|--|--|--|--|--|--|
| <b>Zero reading:</b> | -0.014 | -0.002 |  |  |  |  |  |  |
| <b>Low reading:</b>  |        |        |  |  |  |  |  |  |
| <b>Mid reading:</b>  | 11.55  | 3.980  |  |  |  |  |  |  |
| <b>High reading:</b> | 21.07  | 8.375  |  |  |  |  |  |  |

### EPA Method 7E Error Calculations

|                   |      |        |        |  |  |  |  |  |
|-------------------|------|--------|--------|--|--|--|--|--|
| <b>Zero %Err:</b> | <2.0 | -0.066 | -0.024 |  |  |  |  |  |
| <b>Mid %Err:</b>  | <2.0 | -0.284 | -0.060 |  |  |  |  |  |
| <b>High %Err:</b> | <2.0 | -0.237 | -0.012 |  |  |  |  |  |

### Initial Bias Data

|                      |       |        |        |  |  |  |  |  |
|----------------------|-------|--------|--------|--|--|--|--|--|
| <b>Zero reading:</b> | 0.035 | 0.010  |        |  |  |  |  |  |
| <b>Span reading:</b> | 11.51 | 3.927  |        |  |  |  |  |  |
| <b>Zero % bias:</b>  | <5.0  | 0.232  | 0.143  |  |  |  |  |  |
| <b>Span % bias:</b>  | <5.0  | -0.189 | -0.633 |  |  |  |  |  |

### Final Bias Data

|                      |       |        |        |  |  |  |  |  |
|----------------------|-------|--------|--------|--|--|--|--|--|
| <b>Zero reading:</b> | 0.065 | 0.024  |        |  |  |  |  |  |
| <b>Span reading:</b> | 11.52 | 3.924  |        |  |  |  |  |  |
| <b>Zero % bias:</b>  | <5.0  | 0.374  | 0.310  |  |  |  |  |  |
| <b>Span % bias:</b>  | <5.0  | -0.142 | -0.669 |  |  |  |  |  |
| <b>Zero % drift:</b> | <3.0  | 0.142  | 0.167  |  |  |  |  |  |
| <b>Span % drift:</b> | <3.0  | 0.047  | 0.036  |  |  |  |  |  |

### Bias Corrected Averages

|                 |       |       |  |  |  |  |  |  |
|-----------------|-------|-------|--|--|--|--|--|--|
| <b>Cor Avg:</b> | 14.39 | 3.786 |  |  |  |  |  |  |
|-----------------|-------|-------|--|--|--|--|--|--|



| MAQDAQ 1.0            |                             |                        |                             |
|-----------------------|-----------------------------|------------------------|-----------------------------|
| Project Name: SVP DVR | Project Number: PROJ-042969 | CEMS Operator: N.PATEL | Unit/Condition: UNIT 1 BASE |
| Run Length: 30        | Record Interval: 6          | Average Interval: 60   | Triplicate Sampling: False  |
| Traverse: True        | Ports: 1                    | Points per port: 3     | DAQ Device: DT9803(01)      |

| Run 3 Average Results - RUN 3 1342-1412 |             |            |             |  |  |  |  |  |
|-----------------------------------------|-------------|------------|-------------|--|--|--|--|--|
| 13:36:00 - 14:06:00                     |             |            |             |  |  |  |  |  |
|                                         | Name:       | O2 (OX-10) | CO2 (CD-10) |  |  |  |  |  |
|                                         | Make/Model: |            |             |  |  |  |  |  |
| Jul 15 2024                             | 13:37:00    | 14.26      | 3.716       |  |  |  |  |  |
| Jul 15 2024                             | 13:38:00    | 14.27      | 3.715       |  |  |  |  |  |
| Jul 15 2024                             | 13:39:00    | 14.27      | 3.721       |  |  |  |  |  |
| Jul 15 2024                             | 13:40:00    | 14.26      | 3.719       |  |  |  |  |  |
| Jul 15 2024                             | 13:41:00    | 14.26      | 3.720       |  |  |  |  |  |
| Jul 15 2024                             | 13:42:00    | 14.26      | 3.715       |  |  |  |  |  |
| Jul 15 2024                             | 13:43:00    | 14.27      | 3.720       |  |  |  |  |  |
| Jul 15 2024                             | 13:44:00    | 14.26      | 3.718       |  |  |  |  |  |
| Jul 15 2024                             | 13:45:00    | 14.26      | 3.720       |  |  |  |  |  |
| Jul 15 2024                             | 13:46:00    | 14.27      | 3.721       |  |  |  |  |  |
| End of port 1 point 1                   |             |            |             |  |  |  |  |  |
| Jul 15 2024                             | 13:47:00    | 14.26      | 3.720       |  |  |  |  |  |
| Jul 15 2024                             | 13:48:00    | 14.27      | 3.723       |  |  |  |  |  |
| Jul 15 2024                             | 13:49:00    | 14.26      | 3.727       |  |  |  |  |  |
| Jul 15 2024                             | 13:50:00    | 14.26      | 3.723       |  |  |  |  |  |
| Jul 15 2024                             | 13:51:00    | 14.26      | 3.717       |  |  |  |  |  |
| Jul 15 2024                             | 13:52:00    | 14.27      | 3.720       |  |  |  |  |  |
| Jul 15 2024                             | 13:53:00    | 14.26      | 3.714       |  |  |  |  |  |
| Jul 15 2024                             | 13:54:00    | 14.26      | 3.719       |  |  |  |  |  |
| Jul 15 2024                             | 13:55:00    | 14.26      | 3.715       |  |  |  |  |  |
| Jul 15 2024                             | 13:56:00    | 14.26      | 3.718       |  |  |  |  |  |
| End of port 1 point 2                   |             |            |             |  |  |  |  |  |
| Jul 15 2024                             | 13:57:00    | 14.26      | 3.718       |  |  |  |  |  |
| Jul 15 2024                             | 13:58:00    | 14.27      | 3.717       |  |  |  |  |  |
| Jul 15 2024                             | 13:59:00    | 14.27      | 3.718       |  |  |  |  |  |
| Jul 15 2024                             | 14:00:00    | 14.27      | 3.716       |  |  |  |  |  |
| Jul 15 2024                             | 14:01:00    | 14.26      | 3.721       |  |  |  |  |  |
| Jul 15 2024                             | 14:02:00    | 14.26      | 3.716       |  |  |  |  |  |
| Jul 15 2024                             | 14:03:00    | 14.26      | 3.717       |  |  |  |  |  |
| Jul 15 2024                             | 14:04:00    | 14.27      | 3.714       |  |  |  |  |  |
| Jul 15 2024                             | 14:05:00    | 14.26      | 3.717       |  |  |  |  |  |
| Jul 15 2024                             | 14:06:00    | 14.27      | 3.713       |  |  |  |  |  |
| End of port 1 point 3                   |             |            |             |  |  |  |  |  |
|                                         | Average:    | 14.26      | 3.718       |  |  |  |  |  |
|                                         | Max:        | 14.27      | 3.727       |  |  |  |  |  |
|                                         | Min:        | 14.26      | 3.713       |  |  |  |  |  |

| Stratification Results |             |            |             |  |  |  |  |  |
|------------------------|-------------|------------|-------------|--|--|--|--|--|
| Port                   | Point       | O2 (OX-10) | CO2 (CD-10) |  |  |  |  |  |
| 1                      | 1           | 14.27      | 3.719       |  |  |  |  |  |
| 1                      | 2           | 14.26      | 3.719       |  |  |  |  |  |
| 1                      | 3           | 14.26      | 3.716       |  |  |  |  |  |
|                        | Strat diff: | 0.007      | 0.001       |  |  |  |  |  |
|                        | Strat %:    | 0.047      | 0.054       |  |  |  |  |  |



## MAQDAQ 1.0

|                       |                             |                        |                             |
|-----------------------|-----------------------------|------------------------|-----------------------------|
| Project Name: SVP DVR | Project Number: PROJ-042969 | CEMS Operator: N.PATEL | Unit/Condition: UNIT 1 BASE |
| Run Length: 30        | Record Interval: 6          | Average Interval: 60   | Triplicate Sampling: False  |
| Traverse: True        | Ports: 1                    | Points per port: 3     | DAQ Device: DT9803(01)      |

### Run 3 Post run bias - RUN 3 1342-1412

13:36:00 - 14:06:00

|                    |            |             |  |  |  |  |  |  |
|--------------------|------------|-------------|--|--|--|--|--|--|
| <b>Name:</b>       | O2 (OX-10) | CO2 (CD-10) |  |  |  |  |  |  |
| <b>Make/Model:</b> |            |             |  |  |  |  |  |  |
| <b>25A or 7E:</b>  | 7E         | 7E          |  |  |  |  |  |  |

#### Run summary data

|                 |       |       |  |  |  |  |  |  |
|-----------------|-------|-------|--|--|--|--|--|--|
| <b>Raw Avg:</b> | 14.26 | 3.718 |  |  |  |  |  |  |
| <b>Max:</b>     | 14.27 | 3.727 |  |  |  |  |  |  |
| <b>Min:</b>     | 14.26 | 3.713 |  |  |  |  |  |  |

#### Cylinder Concentrations

|              |       |       |  |  |  |  |  |  |
|--------------|-------|-------|--|--|--|--|--|--|
| <b>Zero:</b> | 0.000 | 0.000 |  |  |  |  |  |  |
| <b>Low:</b>  |       |       |  |  |  |  |  |  |
| <b>Mid:</b>  | 11.61 | 3.985 |  |  |  |  |  |  |
| <b>High:</b> | 21.12 | 8.376 |  |  |  |  |  |  |

#### Calibration Readings

|                      |        |        |  |  |  |  |  |  |
|----------------------|--------|--------|--|--|--|--|--|--|
| <b>Zero reading:</b> | -0.014 | -0.002 |  |  |  |  |  |  |
| <b>Low reading:</b>  |        |        |  |  |  |  |  |  |
| <b>Mid reading:</b>  | 11.55  | 3.980  |  |  |  |  |  |  |
| <b>High reading:</b> | 21.07  | 8.375  |  |  |  |  |  |  |

#### EPA Method 7E Error Calculations

|                   |      |        |        |  |  |  |  |  |
|-------------------|------|--------|--------|--|--|--|--|--|
| <b>Zero %Err:</b> | <2.0 | -0.066 | -0.024 |  |  |  |  |  |
| <b>Mid %Err:</b>  | <2.0 | -0.284 | -0.060 |  |  |  |  |  |
| <b>High %Err:</b> | <2.0 | -0.237 | -0.012 |  |  |  |  |  |

#### Initial Bias Data

|                      |       |        |        |  |  |  |  |  |
|----------------------|-------|--------|--------|--|--|--|--|--|
| <b>Zero reading:</b> | 0.065 | 0.024  |        |  |  |  |  |  |
| <b>Span reading:</b> | 11.52 | 3.924  |        |  |  |  |  |  |
| <b>Zero % bias:</b>  | <5.0  | 0.374  | 0.310  |  |  |  |  |  |
| <b>Span % bias:</b>  | <5.0  | -0.142 | -0.669 |  |  |  |  |  |

#### Final Bias Data

|                      |       |        |        |  |  |  |  |  |
|----------------------|-------|--------|--------|--|--|--|--|--|
| <b>Zero reading:</b> | 0.092 | 0.027  |        |  |  |  |  |  |
| <b>Span reading:</b> | 11.52 | 3.892  |        |  |  |  |  |  |
| <b>Zero % bias:</b>  | <5.0  | 0.502  | 0.346  |  |  |  |  |  |
| <b>Span % bias:</b>  | <5.0  | -0.142 | -1.051 |  |  |  |  |  |
| <b>Zero % drift:</b> | <3.0  | 0.128  | 0.036  |  |  |  |  |  |
| <b>Span % drift:</b> | <3.0  | 0.000  | 0.382  |  |  |  |  |  |

#### Bias Corrected Averages

|                 |       |       |  |  |  |  |  |  |
|-----------------|-------|-------|--|--|--|--|--|--|
| <b>Cor Avg:</b> | 14.39 | 3.790 |  |  |  |  |  |  |
|-----------------|-------|-------|--|--|--|--|--|--|



| MAQDAQ 1.0            |                             |                        |                            |
|-----------------------|-----------------------------|------------------------|----------------------------|
| Project Name: SVP DVR | Project Number: PROJ-042969 | CEMS Operator: N.PATEL | Unit/Condition: UNIT 1 MAX |
| Run Length: 36        | Record Interval: 6          | Average Interval: 60   | Triplicate Sampling: False |
| Traverse: True        | Ports: 2                    | Points per port: 6     | DAQ Device: DT9803(01)     |

| Run 1 Average Results - RUN 1 0829-0910 |             |            |             |           |            |  |  |  |  |
|-----------------------------------------|-------------|------------|-------------|-----------|------------|--|--|--|--|
| 08:23:00 - 09:03:00                     |             |            |             |           |            |  |  |  |  |
|                                         | Name:       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) | NOX (NO-2) |  |  |  |  |
|                                         | Make/Model: |            |             |           |            |  |  |  |  |
| Jul 16 2024                             | 08:24:00    | 12.92      | 4.441       | 1.278     | 2.714      |  |  |  |  |
| Jul 16 2024                             | 08:25:00    | 12.92      | 4.443       | 1.289     | 2.705      |  |  |  |  |
| Jul 16 2024                             | 08:26:00    | 12.92      | 4.441       | 1.282     | 2.706      |  |  |  |  |
| End of port 1 point 1                   |             |            |             |           |            |  |  |  |  |
| Jul 16 2024                             | 08:27:00    | 12.92      | 4.442       | 1.300     | 2.476      |  |  |  |  |
| Jul 16 2024                             | 08:28:00    | 12.94      | 4.438       | 1.284     | 2.283      |  |  |  |  |
| Jul 16 2024                             | 08:29:00    | 12.94      | 4.443       | 1.318     | 2.300      |  |  |  |  |
| End of port 1 point 2                   |             |            |             |           |            |  |  |  |  |
| Jul 16 2024                             | 08:30:00    | 12.93      | 4.444       | 1.319     | 2.046      |  |  |  |  |
| Jul 16 2024                             | 08:31:00    | 12.93      | 4.447       | 1.323     | 1.750      |  |  |  |  |
| Jul 16 2024                             | 08:32:00    | 12.93      | 4.447       | 1.307     | 1.777      |  |  |  |  |
| End of port 1 point 3                   |             |            |             |           |            |  |  |  |  |
| Jul 16 2024                             | 08:33:00    | 12.94      | 4.449       | 1.328     | 1.751      |  |  |  |  |
| Jul 16 2024                             | 08:34:00    | 12.94      | 4.446       | 1.349     | 1.737      |  |  |  |  |
| Jul 16 2024                             | 08:35:00    | 12.95      | 4.443       | 1.347     | 1.734      |  |  |  |  |
| End of port 1 point 4                   |             |            |             |           |            |  |  |  |  |
| Jul 16 2024                             | 08:36:00    | 12.96      | 4.440       | 1.295     | 2.202      |  |  |  |  |
| Jul 16 2024                             | 08:37:00    | 12.97      | 4.440       | 1.278     | 2.384      |  |  |  |  |
| Jul 16 2024                             | 08:38:00    | 12.97      | 4.442       | 1.275     | 2.386      |  |  |  |  |
| End of port 1 point 5                   |             |            |             |           |            |  |  |  |  |
| Jul 16 2024                             | 08:39:00    | 12.96      | 4.440       | 1.288     | 2.398      |  |  |  |  |
| Jul 16 2024                             | 08:40:00    | 12.96      | 4.446       | 1.278     | 2.359      |  |  |  |  |
| Jul 16 2024                             | 08:41:00    | 12.97      | 4.447       | 1.283     | 2.442      |  |  |  |  |
| End of port 1 point 6                   |             |            |             |           |            |  |  |  |  |
| Jul 16 2024                             | 08:46:00    | 12.96      | 4.456       | 1.366     | 2.603      |  |  |  |  |
| Jul 16 2024                             | 08:47:00    | 12.95      | 4.456       | 1.352     | 2.573      |  |  |  |  |
| Jul 16 2024                             | 08:48:00    | 12.95      | 4.460       | 1.351     | 2.606      |  |  |  |  |
| End of port 2 point 1                   |             |            |             |           |            |  |  |  |  |
| Jul 16 2024                             | 08:49:00    | 12.97      | 4.458       | 1.350     | 2.551      |  |  |  |  |
| Jul 16 2024                             | 08:50:00    | 12.97      | 4.451       | 1.361     | 2.487      |  |  |  |  |
| Jul 16 2024                             | 08:51:00    | 12.95      | 4.463       | 1.363     | 2.575      |  |  |  |  |
| End of port 2 point 2                   |             |            |             |           |            |  |  |  |  |
| Jul 16 2024                             | 08:52:00    | 12.91      | 4.485       | 1.300     | 1.660      |  |  |  |  |
| Jul 16 2024                             | 08:53:00    | 12.92      | 4.486       | 1.303     | 1.554      |  |  |  |  |
| Jul 16 2024                             | 08:54:00    | 12.92      | 4.482       | 1.288     | 1.561      |  |  |  |  |
| End of port 2 point 3                   |             |            |             |           |            |  |  |  |  |
| Jul 16 2024                             | 08:55:00    | 12.87      | 4.515       | 1.213     | 2.053      |  |  |  |  |
| Jul 16 2024                             | 08:56:00    | 12.86      | 4.525       | 1.155     | 2.261      |  |  |  |  |
| Jul 16 2024                             | 08:57:00    | 12.86      | 4.527       | 1.124     | 2.684      |  |  |  |  |
| End of port 2 point 4                   |             |            |             |           |            |  |  |  |  |
| Jul 16 2024                             | 08:58:00    | 12.86      | 4.520       | 1.044     | 3.390      |  |  |  |  |
| Jul 16 2024                             | 08:59:00    | 12.87      | 4.523       | 1.063     | 3.323      |  |  |  |  |
| Jul 16 2024                             | 09:00:00    | 12.87      | 4.522       | 1.042     | 3.291      |  |  |  |  |
| End of port 2 point 5                   |             |            |             |           |            |  |  |  |  |
| Jul 16 2024                             | 09:01:00    | 12.87      | 4.519       | 1.062     | 3.257      |  |  |  |  |
| Jul 16 2024                             | 09:02:00    | 12.86      | 4.523       | 1.067     | 3.285      |  |  |  |  |
| Jul 16 2024                             | 09:03:00    | 12.86      | 4.523       | 1.059     | 3.198      |  |  |  |  |



| MAQDAQ 1.0            |                             |                        |                            |
|-----------------------|-----------------------------|------------------------|----------------------------|
| Project Name: SVP DVR | Project Number: PROJ-042969 | CEMS Operator: N.PATEL | Unit/Condition: UNIT 1 MAX |
| Run Length: 36        | Record Interval: 6          | Average Interval: 60   | Triplicate Sampling: False |
| Traverse: True        | Ports: 2                    | Points per port: 6     | DAQ Device: DT9803(01)     |

|                       |
|-----------------------|
| End of port 2 point 6 |
|-----------------------|

|  |                 |       |       |       |       |  |  |  |  |
|--|-----------------|-------|-------|-------|-------|--|--|--|--|
|  | <b>Average:</b> | 12.92 | 4.469 | 1.258 | 2.418 |  |  |  |  |
|  | <b>Max:</b>     | 12.97 | 4.527 | 1.366 | 3.390 |  |  |  |  |
|  | <b>Min:</b>     | 12.86 | 4.438 | 1.042 | 1.554 |  |  |  |  |

| Stratification Results |                    |            |             |           |            |  |  |  |  |
|------------------------|--------------------|------------|-------------|-----------|------------|--|--|--|--|
| Port                   | Point              | O2 (OX-10) | CO2 (CD-10) | CO (CO21) | NOX (NO-2) |  |  |  |  |
| 1                      | 1                  | 12.91      | 4.440       | 1.290     | 2.695      |  |  |  |  |
| 1                      | 2                  | 12.93      | 4.444       | 1.302     | 2.298      |  |  |  |  |
| 1                      | 3                  | 12.93      | 4.446       | 1.316     | 1.772      |  |  |  |  |
| 1                      | 4                  | 12.95      | 4.445       | 1.343     | 1.738      |  |  |  |  |
| 1                      | 5                  | 12.98      | 4.444       | 1.271     | 2.400      |  |  |  |  |
| 1                      | 6                  | 12.96      | 4.445       | 1.298     | 2.388      |  |  |  |  |
| 2                      | 1                  | 12.96      | 4.456       | 1.336     | 2.595      |  |  |  |  |
| 2                      | 2                  | 12.95      | 4.459       | 1.373     | 2.457      |  |  |  |  |
| 2                      | 3                  | 12.92      | 4.485       | 1.284     | 1.560      |  |  |  |  |
| 2                      | 4                  | 12.86      | 4.523       | 1.111     | 2.623      |  |  |  |  |
| 2                      | 5                  | 12.87      | 4.526       | 1.038     | 3.294      |  |  |  |  |
| 2                      | 6                  | 12.88      | 4.521       | 1.075     | 3.209      |  |  |  |  |
|                        | <b>Strat diff:</b> | 0.055      | 0.057       | 0.120     | 0.875      |  |  |  |  |
|                        | <b>Strat %:</b>    | 0.503      | 1.264       | 9.570     | 8.430      |  |  |  |  |



## MAQDAQ 1.0

|                       |                             |                        |                            |
|-----------------------|-----------------------------|------------------------|----------------------------|
| Project Name: SVP DVR | Project Number: PROJ-042969 | CEMS Operator: N.PATEL | Unit/Condition: UNIT 1 MAX |
| Run Length: 36        | Record Interval: 6          | Average Interval: 60   | Triplicate Sampling: False |
| Traverse: True        | Ports: 2                    | Points per port: 6     | DAQ Device: DT9803(01)     |

### Run 1 Post run bias - RUN 1 0829-0910

08:23:00 - 09:03:00

|                    |            |             |           |            |  |  |  |  |
|--------------------|------------|-------------|-----------|------------|--|--|--|--|
| <b>Name:</b>       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) | NOX (NO-2) |  |  |  |  |
| <b>Make/Model:</b> |            |             |           |            |  |  |  |  |
| <b>25A or 7E:</b>  | 7E         | 7E          | 7E        | 7E         |  |  |  |  |

#### Run summary data

|                 |       |       |       |       |  |  |  |  |
|-----------------|-------|-------|-------|-------|--|--|--|--|
| <b>Raw Avg:</b> | 12.92 | 4.469 | 1.258 | 2.418 |  |  |  |  |
| <b>Max:</b>     | 12.97 | 4.527 | 1.366 | 3.390 |  |  |  |  |
| <b>Min:</b>     | 12.86 | 4.438 | 1.042 | 1.554 |  |  |  |  |

#### Cylinder Concentrations

|              |       |       |       |       |  |  |  |  |
|--------------|-------|-------|-------|-------|--|--|--|--|
| <b>Zero:</b> | 0.000 | 0.000 | 0.000 | 0.000 |  |  |  |  |
| <b>Low:</b>  |       |       |       |       |  |  |  |  |
| <b>Mid:</b>  | 11.61 | 3.985 | 2.496 | 2.488 |  |  |  |  |
| <b>High:</b> | 21.12 | 8.376 | 5.059 | 5.074 |  |  |  |  |

#### Calibration Readings

|                      |        |        |       |       |  |  |  |  |
|----------------------|--------|--------|-------|-------|--|--|--|--|
| <b>Zero reading:</b> | -0.020 | -0.070 | 0.021 | 0.010 |  |  |  |  |
| <b>Low reading:</b>  |        |        |       |       |  |  |  |  |
| <b>Mid reading:</b>  | 11.53  | 3.954  | 2.589 | 2.545 |  |  |  |  |
| <b>High reading:</b> | 21.02  | 8.397  | 5.061 | 5.067 |  |  |  |  |

#### EPA Method 7E Error Calculations

|                   |      |        |        |       |        |  |  |  |
|-------------------|------|--------|--------|-------|--------|--|--|--|
| <b>Zero %Err:</b> | <2.0 | -0.095 | -0.836 | 0.415 | 0.197  |  |  |  |
| <b>Mid %Err:</b>  | <2.0 | -0.379 | -0.370 | 1.838 | 1.123  |  |  |  |
| <b>High %Err:</b> | <2.0 | -0.473 | 0.251  | 0.040 | -0.138 |  |  |  |

#### Initial Bias Data

|                      |       |        |        |       |        |  |  |  |
|----------------------|-------|--------|--------|-------|--------|--|--|--|
| <b>Zero reading:</b> | 0.030 | -0.046 | 0.050  | 0.002 |        |  |  |  |
| <b>Span reading:</b> | 11.50 | 3.934  | 2.655  | 2.371 |        |  |  |  |
| <b>Zero % bias:</b>  | <5.0  | 0.237  | 0.287  | 0.573 | -0.158 |  |  |  |
| <b>Span % bias:</b>  | <5.0  | -0.142 | -0.239 | 1.305 | -3.429 |  |  |  |

#### Final Bias Data

|                      |       |        |        |       |        |  |  |  |
|----------------------|-------|--------|--------|-------|--------|--|--|--|
| <b>Zero reading:</b> | 0.028 | -0.051 | 0.086  | 0.002 |        |  |  |  |
| <b>Span reading:</b> | 11.44 | 3.951  | 2.655  | 2.341 |        |  |  |  |
| <b>Zero % bias:</b>  | <5.0  | 0.227  | 0.227  | 1.285 | -0.158 |  |  |  |
| <b>Span % bias:</b>  | <5.0  | -0.426 | -0.036 | 1.305 | -4.021 |  |  |  |
| <b>Zero % drift:</b> | <3.0  | 0.010  | 0.060  | 0.712 | 0.000  |  |  |  |
| <b>Span % drift:</b> | <3.0  | 0.284  | 0.203  | 0.000 | 0.591  |  |  |  |

#### Bias Corrected Averages

|                 |       |       |       |       |  |  |  |  |
|-----------------|-------|-------|-------|-------|--|--|--|--|
| <b>Cor Avg:</b> | 13.08 | 4.511 | 1.148 | 2.554 |  |  |  |  |
|-----------------|-------|-------|-------|-------|--|--|--|--|



| MAQDAQ 1.0            |                             |                        |                            |
|-----------------------|-----------------------------|------------------------|----------------------------|
| Project Name: SVP DVR | Project Number: PROJ-042969 | CEMS Operator: N.PATEL | Unit/Condition: UNIT 1 MAX |
| Run Length: 30        | Record Interval: 6          | Average Interval: 60   | Triplicate Sampling: False |
| Traverse: True        | Ports: 1                    | Points per port: 3     | DAQ Device: DT9803(01)     |

## Run 2 Average Results - RUN 2 0938-1008

09:32:00 - 10:02:00

|                       | Name:       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) | NOX (NO-2) | THC (VO 20) | CH3 (VO14) |  |  |
|-----------------------|-------------|------------|-------------|-----------|------------|-------------|------------|--|--|
|                       | Make/Model: |            |             |           |            |             |            |  |  |
| Jul 16 2024           | 09:33:00    | 12.91      | 4.493       | 1.268     | 2.669      | 3.094       | 3.101      |  |  |
| Jul 16 2024           | 09:34:00    | 12.90      | 4.492       | 1.273     | 2.670      | 3.760       | 3.753      |  |  |
| Jul 16 2024           | 09:35:00    | 12.91      | 4.493       | 1.246     | 2.708      | 3.344       | 3.333      |  |  |
| Jul 16 2024           | 09:36:00    | 12.91      | 4.491       | 1.238     | 2.682      | 3.106       | 3.116      |  |  |
| Jul 16 2024           | 09:37:00    | 12.90      | 4.496       | 1.256     | 2.718      | 2.953       | 2.955      |  |  |
| Jul 16 2024           | 09:38:00    | 12.91      | 4.494       | 1.270     | 2.737      | 3.184       | 3.179      |  |  |
| Jul 16 2024           | 09:39:00    | 12.91      | 4.495       | 1.267     | 2.689      | 3.474       | 3.469      |  |  |
| Jul 16 2024           | 09:40:00    | 12.91      | 4.492       | 1.255     | 2.705      | 3.548       | 3.552      |  |  |
| Jul 16 2024           | 09:41:00    | 12.91      | 4.495       | 1.253     | 2.712      | 3.420       | 3.418      |  |  |
| Jul 16 2024           | 09:42:00    | 12.90      | 4.494       | 1.256     | 2.666      | 3.350       | 3.351      |  |  |
| End of port 1 point 1 |             |            |             |           |            |             |            |  |  |
| Jul 16 2024           | 09:43:00    | 12.93      | 4.485       | 1.273     | 2.509      | 3.517       | 3.515      |  |  |
| Jul 16 2024           | 09:44:00    | 12.93      | 4.477       | 1.288     | 2.415      | 3.411       | 3.403      |  |  |
| Jul 16 2024           | 09:45:00    | 12.93      | 4.476       | 1.300     | 2.404      | 3.405       | 3.405      |  |  |
| Jul 16 2024           | 09:46:00    | 12.93      | 4.477       | 1.306     | 2.443      | 3.242       | 3.235      |  |  |
| Jul 16 2024           | 09:47:00    | 12.92      | 4.479       | 1.306     | 2.461      | 3.085       | 3.088      |  |  |
| Jul 16 2024           | 09:48:00    | 12.93      | 4.480       | 1.290     | 2.472      | 3.168       | 3.153      |  |  |
| Jul 16 2024           | 09:49:00    | 12.93      | 4.482       | 1.274     | 2.454      | 3.107       | 3.104      |  |  |
| Jul 16 2024           | 09:50:00    | 12.94      | 4.479       | 1.270     | 2.354      | 3.106       | 3.109      |  |  |
| Jul 16 2024           | 09:51:00    | 12.94      | 4.470       | 1.302     | 2.233      | 3.197       | 3.204      |  |  |
| Jul 16 2024           | 09:52:00    | 12.94      | 4.473       | 1.303     | 2.269      | 3.254       | 3.247      |  |  |
| End of port 1 point 2 |             |            |             |           |            |             |            |  |  |
| Jul 16 2024           | 09:53:00    | 12.94      | 4.472       | 1.299     | 2.252      | 3.229       | 3.236      |  |  |
| Jul 16 2024           | 09:54:00    | 12.94      | 4.472       | 1.293     | 2.276      | 3.227       | 3.219      |  |  |
| Jul 16 2024           | 09:55:00    | 12.95      | 4.471       | 1.289     | 2.237      | 3.337       | 3.336      |  |  |
| Jul 16 2024           | 09:56:00    | 12.95      | 4.468       | 1.300     | 1.908      | 3.486       | 3.478      |  |  |
| Jul 16 2024           | 09:57:00    | 12.94      | 4.472       | 1.299     | 1.800      | 3.591       | 3.582      |  |  |
| Jul 16 2024           | 09:58:00    | 12.94      | 4.470       | 1.303     | 1.793      | 3.370       | 3.377      |  |  |
| Jul 16 2024           | 09:59:00    | 12.96      | 4.467       | 1.310     | 1.826      | 3.383       | 3.388      |  |  |
| Jul 16 2024           | 10:00:00    | 12.96      | 4.467       | 1.302     | 1.833      | 3.164       | 3.170      |  |  |
| Jul 16 2024           | 10:01:00    | 12.95      | 4.469       | 1.307     | 1.806      | 3.166       | 3.171      |  |  |
| Jul 16 2024           | 10:02:00    | 12.96      | 4.465       | 1.320     | 1.812      | 3.087       | 3.080      |  |  |
| End of port 1 point 3 |             |            |             |           |            |             |            |  |  |
|                       | Average:    | 12.93      | 4.480       | 1.284     | 2.350      | 3.292       | 3.291      |  |  |
|                       | Max:        | 12.96      | 4.496       | 1.320     | 2.737      | 3.760       | 3.753      |  |  |
|                       | Min:        | 12.90      | 4.465       | 1.238     | 1.793      | 2.953       | 2.955      |  |  |

## Stratification Results

| Port | Point       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) | NOX (NO-2) | THC (VO 20) | CH3 (VO14) |  |  |
|------|-------------|------------|-------------|-----------|------------|-------------|------------|--|--|
| 1    | 1           | 12.91      | 4.494       | 1.251     | 2.700      | 3.338       | 3.342      |  |  |
| 1    | 2           | 12.93      | 4.474       | 1.284     | 2.383      | 3.230       | 3.232      |  |  |
| 1    | 3           | 12.95      | 4.469       | 1.307     | 1.946      | 3.249       | 3.249      |  |  |
|      | Strat diff: | 0.020      | 0.015       | 0.026     | 0.357      | 0.066       | 0.068      |  |  |
|      | Strat %:    | 0.155      | 0.335       | 2.317     | 16.94      | 2.007       | 2.067      |  |  |



## MAQDAQ 1.0

|                       |                             |                        |                            |
|-----------------------|-----------------------------|------------------------|----------------------------|
| Project Name: SVP DVR | Project Number: PROJ-042969 | CEMS Operator: N.PATEL | Unit/Condition: UNIT 1 MAX |
| Run Length: 30        | Record Interval: 6          | Average Interval: 60   | Triplicate Sampling: False |
| Traverse: True        | Ports: 1                    | Points per port: 3     | DAQ Device: DT9803(01)     |

### Run 2 Post run bias - RUN 2 0938-1008

09:32:00 - 10:02:00

|             |            |             |           |            |             |            |  |  |
|-------------|------------|-------------|-----------|------------|-------------|------------|--|--|
| Name:       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) | NOX (NO-2) | THC (VO 20) | CH3 (VO14) |  |  |
| Make/Model: |            |             |           |            |             |            |  |  |
| 25A or 7E:  | 7E         | 7E          | 7E        | 7E         | 25A         | 25A        |  |  |

#### Run summary data

|          |       |       |       |       |       |       |  |  |
|----------|-------|-------|-------|-------|-------|-------|--|--|
| Raw Avg: | 12.93 | 4.480 | 1.284 | 2.350 | 3.292 | 3.291 |  |  |
| Max:     | 12.96 | 4.496 | 1.320 | 2.737 | 3.760 | 3.753 |  |  |
| Min:     | 12.90 | 4.465 | 1.238 | 1.793 | 2.953 | 2.955 |  |  |

#### Cylinder Concentrations

|       |       |       |       |       |       |       |  |  |
|-------|-------|-------|-------|-------|-------|-------|--|--|
| Zero: | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |  |  |
| Low:  |       |       |       |       | 2.978 | 2.978 |  |  |
| Mid:  | 11.61 | 3.985 | 2.496 | 2.488 | 5.119 | 5.119 |  |  |
| High: | 21.12 | 8.376 | 5.059 | 5.074 | 8.535 | 8.535 |  |  |

#### Calibration Readings

|               |        |        |       |       |       |        |  |  |
|---------------|--------|--------|-------|-------|-------|--------|--|--|
| Zero reading: | -0.020 | -0.070 | 0.021 | 0.010 | 0.001 | -0.004 |  |  |
| Low reading:  |        |        |       |       | 2.966 | 2.958  |  |  |
| Mid reading:  | 11.53  | 3.954  | 2.589 | 2.545 | 5.067 | 5.091  |  |  |
| High reading: | 21.02  | 8.397  | 5.061 | 5.067 | 8.503 | 8.484  |  |  |

#### EPA Method 7E Error Calculations

|            |      |        |        |       |        |     |     |  |  |
|------------|------|--------|--------|-------|--------|-----|-----|--|--|
| Zero %Err: | <2.0 | -0.095 | -0.836 | 0.415 | 0.197  | N/A | N/A |  |  |
| Mid %Err:  | <2.0 | -0.379 | -0.370 | 1.838 | 1.123  | N/A | N/A |  |  |
| High %Err: | <2.0 | -0.473 | 0.251  | 0.040 | -0.138 | N/A | N/A |  |  |

#### EPA Method 25A Error Calculations

|            |           |     |     |     |     |        |        |  |  |
|------------|-----------|-----|-----|-----|-----|--------|--------|--|--|
| Zero %Err: | N/A       | N/A | N/A | N/A | N/A | 0.001  | -0.004 |  |  |
| Low %Err:  | 5% of cyl | N/A | N/A | N/A | N/A | -0.012 | -0.020 |  |  |
| Mid %Err:  | 5% of cyl | N/A | N/A | N/A | N/A | -0.052 | -0.028 |  |  |
| High %Err: | N/A       | N/A | N/A | N/A | N/A | -0.032 | -0.051 |  |  |

#### Initial Bias Data

|              |               |        |        |       |        |       |        |  |  |
|--------------|---------------|--------|--------|-------|--------|-------|--------|--|--|
|              | Zero reading: | 0.030  | -0.046 | 0.050 | 0.002  | 0.001 | -0.004 |  |  |
|              | Span reading: | 11.50  | 3.934  | 2.655 | 2.371  | 5.067 | 5.091  |  |  |
| Zero % bias: | <5.0          | 0.237  | 0.287  | 0.573 | -0.158 | N/A   | N/A    |  |  |
| Span % bias: | <5.0          | -0.142 | -0.239 | 1.305 | -3.429 | N/A   | N/A    |  |  |

#### Final Bias Data

|               |               |        |        |       |        |        |        |  |  |
|---------------|---------------|--------|--------|-------|--------|--------|--------|--|--|
|               | Zero reading: | 0.037  | -0.042 | 0.092 | 0.002  | 0.064  | 0.033  |  |  |
|               | Span reading: | 11.49  | 3.939  | 2.625 | 2.348  | 5.070  | 5.051  |  |  |
| Zero % bias:  | <5.0          | 0.270  | 0.334  | 1.403 | -0.158 | N/A    | N/A    |  |  |
| Span % bias:  | <5.0          | -0.189 | -0.179 | 0.712 | -3.883 | N/A    | N/A    |  |  |
| Zero % drift: | <3.0          | 0.033  | 0.047  | 0.830 | 0.000  | N/A    | N/A    |  |  |
| Span % drift: | <3.0          | 0.047  | 0.060  | 0.593 | 0.454  | N/A    | N/A    |  |  |
| Zero drift:   | <3.0% span    | N/A    | N/A    | N/A   | N/A    | -0.063 | -0.037 |  |  |
| Span drift:   | <3.0% span    | N/A    | N/A    | N/A   | N/A    | -0.003 | 0.040  |  |  |

#### Bias Corrected Averages

|          |       |       |       |       |       |       |  |  |
|----------|-------|-------|-------|-------|-------|-------|--|--|
| Cor Avg: | 13.06 | 4.529 | 1.179 | 2.478 | 3.292 | 3.291 |  |  |
|----------|-------|-------|-------|-------|-------|-------|--|--|



| MAQDAQ 1.0            |                             |                        |                            |
|-----------------------|-----------------------------|------------------------|----------------------------|
| Project Name: SVP DVR | Project Number: PROJ-042969 | CEMS Operator: N.PATEL | Unit/Condition: UNIT 1 MAX |
| Run Length: 30        | Record Interval: 6          | Average Interval: 60   | Triplicate Sampling: False |
| Traverse: True        | Ports: 1                    | Points per port: 3     | DAQ Device: DT9803(01)     |

### Run 3 Average Results - RUN 3 1027-1057

10:21:00 - 10:51:00

|                       | Name:       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) | NOX (NO-2) | THC (VO 20) | CH3 (VO14) |  |  |
|-----------------------|-------------|------------|-------------|-----------|------------|-------------|------------|--|--|
|                       | Make/Model: |            |             |           |            |             |            |  |  |
| Jul 16 2024           | 10:22:00    | 12.94      | 4.468       | 1.283     | 2.662      | 3.308       | 3.307      |  |  |
| Jul 16 2024           | 10:23:00    | 12.93      | 4.473       | 1.262     | 2.630      | 3.346       | 3.342      |  |  |
| Jul 16 2024           | 10:24:00    | 12.94      | 4.469       | 1.263     | 2.568      | 3.308       | 3.313      |  |  |
| Jul 16 2024           | 10:25:00    | 12.93      | 4.473       | 1.289     | 2.656      | 3.394       | 3.395      |  |  |
| Jul 16 2024           | 10:26:00    | 12.94      | 4.476       | 1.280     | 2.632      | 3.485       | 3.486      |  |  |
| Jul 16 2024           | 10:27:00    | 12.94      | 4.472       | 1.259     | 2.644      | 3.453       | 3.460      |  |  |
| Jul 16 2024           | 10:28:00    | 12.93      | 4.474       | 1.267     | 2.662      | 3.386       | 3.386      |  |  |
| Jul 16 2024           | 10:29:00    | 12.93      | 4.475       | 1.274     | 2.611      | 3.402       | 3.400      |  |  |
| Jul 16 2024           | 10:30:00    | 12.93      | 4.474       | 1.281     | 2.638      | 3.319       | 3.317      |  |  |
| Jul 16 2024           | 10:31:00    | 12.93      | 4.471       | 1.277     | 2.642      | 3.345       | 3.348      |  |  |
| End of port 1 point 1 |             |            |             |           |            |             |            |  |  |
| Jul 16 2024           | 10:32:00    | 12.93      | 4.475       | 1.265     | 2.617      | 3.344       | 3.344      |  |  |
| Jul 16 2024           | 10:33:00    | 12.93      | 4.473       | 1.278     | 2.634      | 3.217       | 3.211      |  |  |
| Jul 16 2024           | 10:34:00    | 12.93      | 4.475       | 1.278     | 2.633      | 3.278       | 3.291      |  |  |
| Jul 16 2024           | 10:35:00    | 12.93      | 4.471       | 1.277     | 2.587      | 3.977       | 3.974      |  |  |
| Jul 16 2024           | 10:36:00    | 12.94      | 4.473       | 1.266     | 2.609      | 3.460       | 3.468      |  |  |
| Jul 16 2024           | 10:37:00    | 12.94      | 4.468       | 1.267     | 2.623      | 3.436       | 3.434      |  |  |
| Jul 16 2024           | 10:38:00    | 12.94      | 4.468       | 1.285     | 2.593      | 3.340       | 3.336      |  |  |
| Jul 16 2024           | 10:39:00    | 12.94      | 4.466       | 1.276     | 2.606      | 3.280       | 3.282      |  |  |
| Jul 16 2024           | 10:40:00    | 12.93      | 4.467       | 1.274     | 2.637      | 3.372       | 3.367      |  |  |
| Jul 16 2024           | 10:41:00    | 12.93      | 4.471       | 1.269     | 2.604      | 3.414       | 3.408      |  |  |
| End of port 1 point 2 |             |            |             |           |            |             |            |  |  |
| Jul 16 2024           | 10:42:00    | 12.94      | 4.467       | 1.289     | 2.445      | 3.411       | 3.408      |  |  |
| Jul 16 2024           | 10:43:00    | 12.95      | 4.463       | 1.284     | 2.287      | 3.606       | 3.606      |  |  |
| Jul 16 2024           | 10:44:00    | 12.95      | 4.462       | 1.298     | 2.253      | 3.700       | 3.714      |  |  |
| Jul 16 2024           | 10:45:00    | 12.94      | 4.465       | 1.283     | 2.283      | 3.672       | 3.673      |  |  |
| Jul 16 2024           | 10:46:00    | 12.95      | 4.463       | 1.311     | 2.288      | 3.749       | 3.739      |  |  |
| Jul 16 2024           | 10:47:00    | 12.95      | 4.464       | 1.298     | 2.269      | 3.561       | 3.572      |  |  |
| Jul 16 2024           | 10:48:00    | 12.95      | 4.466       | 1.300     | 2.271      | 3.479       | 3.475      |  |  |
| Jul 16 2024           | 10:49:00    | 12.95      | 4.467       | 1.290     | 2.263      | 3.309       | 3.302      |  |  |
| Jul 16 2024           | 10:50:00    | 12.94      | 4.470       | 1.306     | 2.302      | 3.264       | 3.269      |  |  |
| Jul 16 2024           | 10:51:00    | 12.95      | 4.466       | 1.304     | 2.303      | 3.527       | 3.529      |  |  |
| End of port 1 point 3 |             |            |             |           |            |             |            |  |  |
|                       | Average:    | 12.94      | 4.470       | 1.281     | 2.515      | 3.438       | 3.439      |  |  |
|                       | Max:        | 12.95      | 4.476       | 1.311     | 2.662      | 3.977       | 3.974      |  |  |
|                       | Min:        | 12.93      | 4.462       | 1.259     | 2.253      | 3.217       | 3.211      |  |  |

### Stratification Results

| Port | Point       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) | NOX (NO-2) | THC (VO 20) | CH3 (VO14) |  |  |
|------|-------------|------------|-------------|-----------|------------|-------------|------------|--|--|
| 1    | 1           | 12.94      | 4.472       | 1.262     | 2.633      | 3.373       | 3.371      |  |  |
| 1    | 2           | 12.93      | 4.472       | 1.272     | 2.608      | 3.415       | 3.409      |  |  |
| 1    | 3           | 12.95      | 4.465       | 1.301     | 2.266      | 3.550       | 3.553      |  |  |
|      | Strat diff: | 0.010      | 0.002       | 0.023     | 0.131      | 0.104       | 0.109      |  |  |
|      | Strat %:    | 0.077      | 0.104       | 1.773     | 9.445      | 3.018       | 3.155      |  |  |



## MAQDAQ 1.0

|                       |                             |                        |                            |
|-----------------------|-----------------------------|------------------------|----------------------------|
| Project Name: SVP DVR | Project Number: PROJ-042969 | CEMS Operator: N.PATEL | Unit/Condition: UNIT 1 MAX |
| Run Length: 30        | Record Interval: 6          | Average Interval: 60   | Triplicate Sampling: False |
| Traverse: True        | Ports: 1                    | Points per port: 3     | DAQ Device: DT9803(01)     |

### Run 3 Post run bias - RUN 3 1027-1057

10:21:00 - 10:51:00

|             |            |             |           |            |             |            |  |  |
|-------------|------------|-------------|-----------|------------|-------------|------------|--|--|
| Name:       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) | NOX (NO-2) | THC (VO 20) | CH3 (VO14) |  |  |
| Make/Model: |            |             |           |            |             |            |  |  |
| 25A or 7E:  | 7E         | 7E          | 7E        | 7E         | 25A         | 25A        |  |  |

#### Run summary data

|          |       |       |       |       |       |       |  |  |
|----------|-------|-------|-------|-------|-------|-------|--|--|
| Raw Avg: | 12.94 | 4.470 | 1.281 | 2.515 | 3.438 | 3.439 |  |  |
| Max:     | 12.95 | 4.476 | 1.311 | 2.662 | 3.977 | 3.974 |  |  |
| Min:     | 12.93 | 4.462 | 1.259 | 2.253 | 3.217 | 3.211 |  |  |

#### Cylinder Concentrations

|       |       |       |       |       |       |       |  |  |
|-------|-------|-------|-------|-------|-------|-------|--|--|
| Zero: | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |  |  |
| Low:  |       |       |       |       | 2.978 | 2.978 |  |  |
| Mid:  | 11.61 | 3.985 | 2.496 | 2.488 | 5.119 | 5.119 |  |  |
| High: | 21.12 | 8.376 | 5.059 | 5.074 | 8.535 | 8.535 |  |  |

#### Calibration Readings

|               |        |        |       |       |       |        |  |  |
|---------------|--------|--------|-------|-------|-------|--------|--|--|
| Zero reading: | -0.020 | -0.070 | 0.021 | 0.010 | 0.001 | -0.004 |  |  |
| Low reading:  |        |        |       |       | 2.966 | 2.958  |  |  |
| Mid reading:  | 11.53  | 3.954  | 2.589 | 2.545 | 5.067 | 5.091  |  |  |
| High reading: | 21.02  | 8.397  | 5.061 | 5.067 | 8.503 | 8.484  |  |  |

#### EPA Method 7E Error Calculations

|            |      |        |        |       |        |     |     |  |  |
|------------|------|--------|--------|-------|--------|-----|-----|--|--|
| Zero %Err: | <2.0 | -0.095 | -0.836 | 0.415 | 0.197  | N/A | N/A |  |  |
| Mid %Err:  | <2.0 | -0.379 | -0.370 | 1.838 | 1.123  | N/A | N/A |  |  |
| High %Err: | <2.0 | -0.473 | 0.251  | 0.040 | -0.138 | N/A | N/A |  |  |

#### EPA Method 25A Error Calculations

|            |           |     |     |     |     |        |        |  |  |
|------------|-----------|-----|-----|-----|-----|--------|--------|--|--|
| Zero %Err: | N/A       | N/A | N/A | N/A | N/A | 0.001  | -0.004 |  |  |
| Low %Err:  | 5% of cyl | N/A | N/A | N/A | N/A | -0.012 | -0.020 |  |  |
| Mid %Err:  | 5% of cyl | N/A | N/A | N/A | N/A | -0.052 | -0.028 |  |  |
| High %Err: | N/A       | N/A | N/A | N/A | N/A | -0.032 | -0.051 |  |  |

#### Initial Bias Data

|              |               |        |        |       |        |       |       |  |  |
|--------------|---------------|--------|--------|-------|--------|-------|-------|--|--|
|              | Zero reading: | 0.037  | -0.042 | 0.092 | 0.002  | 0.064 | 0.033 |  |  |
|              | Span reading: | 11.49  | 3.939  | 2.625 | 2.348  | 5.070 | 5.051 |  |  |
| Zero % bias: | <5.0          | 0.270  | 0.334  | 1.403 | -0.158 | N/A   | N/A   |  |  |
| Span % bias: | <5.0          | -0.189 | -0.179 | 0.712 | -3.883 | N/A   | N/A   |  |  |

#### Final Bias Data

|               |               |        |        |       |        |       |       |  |  |
|---------------|---------------|--------|--------|-------|--------|-------|-------|--|--|
|               | Zero reading: | 0.047  | -0.043 | 0.098 | 0.002  | 0.002 | 0.006 |  |  |
|               | Span reading: | 11.48  | 3.944  | 2.631 | 2.354  | 5.003 | 5.011 |  |  |
| Zero % bias:  | <5.0          | 0.317  | 0.322  | 1.522 | -0.158 | N/A   | N/A   |  |  |
| Span % bias:  | <5.0          | -0.237 | -0.119 | 0.830 | -3.764 | N/A   | N/A   |  |  |
| Zero % drift: | <3.0          | 0.047  | 0.012  | 0.119 | 0.000  | N/A   | N/A   |  |  |
| Span % drift: | <3.0          | 0.048  | 0.060  | 0.118 | 0.119  | N/A   | N/A   |  |  |
| Zero drift:   | <3.0% span    | N/A    | N/A    | N/A   | N/A    | 0.062 | 0.027 |  |  |
| Span drift:   | <3.0% span    | N/A    | N/A    | N/A   | N/A    | 0.067 | 0.040 |  |  |

#### Bias Corrected Averages

|          |       |       |       |       |       |       |  |  |
|----------|-------|-------|-------|-------|-------|-------|--|--|
| Cor Avg: | 13.09 | 4.514 | 1.169 | 2.662 | 3.438 | 3.439 |  |  |
|----------|-------|-------|-------|-------|-------|-------|--|--|



## MAQDAQ 1.0

|                       |                             |                        |                            |
|-----------------------|-----------------------------|------------------------|----------------------------|
| Project Name: SVP DVR | Project Number: PROJ-042969 | CEMS Operator: N.PATEL | Unit/Condition: UNIT 1 MAX |
| Run Length: 30        | Record Interval: 6          | Average Interval: 60   | Triplicate Sampling: False |
| Traverse: True        | Ports: 1                    | Points per port: 3     | DAQ Device: DT9803(01)     |

### Run 4 Average Results - RUN 4 1123-1153

11:17:00 - 11:47:00

|                       | Name:       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) | NOX (NO-2) | THC (VO 20) | CH3 (VO14) |  |  |
|-----------------------|-------------|------------|-------------|-----------|------------|-------------|------------|--|--|
|                       | Make/Model: |            |             |           |            |             |            |  |  |
| Jul 16 2024           | 11:18:00    | 12.92      | 4.480       | 1.291     | 2.388      | 2.928       | 2.930      |  |  |
| Jul 16 2024           | 11:19:00    | 12.92      | 4.476       | 1.278     | 2.400      | 2.870       | 2.870      |  |  |
| Jul 16 2024           | 11:20:00    | 12.93      | 4.478       | 1.278     | 2.393      | 3.063       | 3.066      |  |  |
| Jul 16 2024           | 11:21:00    | 12.93      | 4.475       | 1.269     | 2.383      | 3.208       | 3.209      |  |  |
| Jul 16 2024           | 11:22:00    | 12.93      | 4.474       | 1.289     | 2.395      | 3.302       | 3.305      |  |  |
| Jul 16 2024           | 11:23:00    | 12.93      | 4.473       | 1.310     | 2.357      | 3.182       | 3.181      |  |  |
| Jul 16 2024           | 11:24:00    | 12.93      | 4.475       | 1.286     | 2.338      | 2.960       | 2.961      |  |  |
| Jul 16 2024           | 11:25:00    | 12.93      | 4.476       | 1.289     | 2.350      | 2.937       | 2.937      |  |  |
| Jul 16 2024           | 11:26:00    | 12.92      | 4.474       | 1.274     | 2.305      | 2.885       | 2.878      |  |  |
| Jul 16 2024           | 11:27:00    | 12.93      | 4.477       | 1.269     | 2.336      | 2.583       | 2.591      |  |  |
| End of port 1 point 1 |             |            |             |           |            |             |            |  |  |
| Jul 16 2024           | 11:28:00    | 12.92      | 4.473       | 1.274     | 2.360      | 2.390       | 2.381      |  |  |
| Jul 16 2024           | 11:29:00    | 12.93      | 4.479       | 1.286     | 2.352      | 2.187       | 2.196      |  |  |
| Jul 16 2024           | 11:30:00    | 12.93      | 4.476       | 1.287     | 2.397      | 2.254       | 2.250      |  |  |
| Jul 16 2024           | 11:31:00    | 12.93      | 4.477       | 1.292     | 2.324      | 2.223       | 2.218      |  |  |
| Jul 16 2024           | 11:32:00    | 12.92      | 4.480       | 1.274     | 2.312      | 2.184       | 2.179      |  |  |
| Jul 16 2024           | 11:33:00    | 12.93      | 4.479       | 1.267     | 2.344      | 2.197       | 2.187      |  |  |
| Jul 16 2024           | 11:34:00    | 12.93      | 4.477       | 1.264     | 2.336      | 2.182       | 2.189      |  |  |
| Jul 16 2024           | 11:35:00    | 12.93      | 4.479       | 1.270     | 2.323      | 2.110       | 2.105      |  |  |
| Jul 16 2024           | 11:36:00    | 12.92      | 4.484       | 1.291     | 2.387      | 2.337       | 2.336      |  |  |
| Jul 16 2024           | 11:37:00    | 12.92      | 4.483       | 1.288     | 2.366      | 2.292       | 2.293      |  |  |
| End of port 1 point 2 |             |            |             |           |            |             |            |  |  |
| Jul 16 2024           | 11:38:00    | 12.92      | 4.481       | 1.284     | 2.336      | 2.409       | 2.407      |  |  |
| Jul 16 2024           | 11:39:00    | 12.93      | 4.476       | 1.289     | 2.330      | 2.369       | 2.363      |  |  |
| Jul 16 2024           | 11:40:00    | 12.93      | 4.482       | 1.281     | 2.360      | 2.187       | 2.186      |  |  |
| Jul 16 2024           | 11:41:00    | 12.93      | 4.476       | 1.275     | 2.350      | 2.165       | 2.167      |  |  |
| Jul 16 2024           | 11:42:00    | 12.92      | 4.482       | 1.273     | 2.384      | 2.102       | 2.101      |  |  |
| Jul 16 2024           | 11:43:00    | 12.93      | 4.477       | 1.281     | 2.297      | 2.230       | 2.225      |  |  |
| Jul 16 2024           | 11:44:00    | 12.93      | 4.477       | 1.292     | 2.245      | 2.092       | 2.093      |  |  |
| Jul 16 2024           | 11:45:00    | 12.93      | 4.478       | 1.274     | 2.236      | 2.070       | 2.075      |  |  |
| Jul 16 2024           | 11:46:00    | 12.92      | 4.479       | 1.283     | 2.220      | 2.283       | 2.290      |  |  |
| Jul 16 2024           | 11:47:00    | 12.92      | 4.482       | 1.292     | 2.240      | 2.640       | 2.630      |  |  |
| End of port 1 point 3 |             |            |             |           |            |             |            |  |  |
|                       | Average:    | 12.93      | 4.478       | 1.282     | 2.338      | 2.494       | 2.493      |  |  |
|                       | Max:        | 12.93      | 4.484       | 1.310     | 2.400      | 3.302       | 3.305      |  |  |
|                       | Min:        | 12.92      | 4.473       | 1.264     | 2.220      | 2.070       | 2.075      |  |  |

### Stratification Results

| Port | Point       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) | NOX (NO-2) | THC (VO 20) | CH3 (VO14) |  |  |
|------|-------------|------------|-------------|-----------|------------|-------------|------------|--|--|
| 1    | 1           | 12.93      | 4.477       | 1.282     | 2.361      | 2.924       | 2.925      |  |  |
| 1    | 2           | 12.93      | 4.479       | 1.276     | 2.347      | 2.227       | 2.215      |  |  |
| 1    | 3           | 12.93      | 4.480       | 1.278     | 2.295      | 2.207       | 2.204      |  |  |
|      | Strat diff: | 0.000      | 0.001       | 0.003     | 0.027      | 0.471       | 0.477      |  |  |
|      | Strat %:    | 0.000      | 0.037       | 0.261     | 1.685      | 9.201       | 9.967      |  |  |



## MAQDAQ 1.0

|                       |                             |                        |                            |
|-----------------------|-----------------------------|------------------------|----------------------------|
| Project Name: SVP DVR | Project Number: PROJ-042969 | CEMS Operator: N.PATEL | Unit/Condition: UNIT 1 MAX |
| Run Length: 30        | Record Interval: 6          | Average Interval: 60   | Triplicate Sampling: False |
| Traverse: True        | Ports: 1                    | Points per port: 3     | DAQ Device: DT9803(01)     |

### Run 4 Post run bias - RUN 4 1123-1153

11:17:00 - 11:47:00

|             |            |             |           |            |             |            |  |  |
|-------------|------------|-------------|-----------|------------|-------------|------------|--|--|
| Name:       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) | NOX (NO-2) | THC (VO 20) | CH3 (VO14) |  |  |
| Make/Model: |            |             |           |            |             |            |  |  |
| 25A or 7E:  | 7E         | 7E          | 7E        | 7E         | 25A         | 25A        |  |  |

#### Run summary data

|          |       |       |       |       |       |       |  |  |
|----------|-------|-------|-------|-------|-------|-------|--|--|
| Raw Avg: | 12.93 | 4.478 | 1.282 | 2.338 | 2.494 | 2.493 |  |  |
| Max:     | 12.93 | 4.484 | 1.310 | 2.400 | 3.302 | 3.305 |  |  |
| Min:     | 12.92 | 4.473 | 1.264 | 2.220 | 2.070 | 2.075 |  |  |

#### Cylinder Concentrations

|       |       |       |       |       |       |       |  |  |
|-------|-------|-------|-------|-------|-------|-------|--|--|
| Zero: | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |  |  |
| Low:  |       |       |       |       | 2.978 | 2.978 |  |  |
| Mid:  | 11.61 | 3.985 | 2.496 | 2.488 | 5.119 | 5.119 |  |  |
| High: | 21.12 | 8.376 | 5.059 | 5.074 | 8.535 | 8.535 |  |  |

#### Calibration Readings

|               |        |        |       |       |       |        |  |  |
|---------------|--------|--------|-------|-------|-------|--------|--|--|
| Zero reading: | -0.020 | -0.070 | 0.021 | 0.010 | 0.001 | -0.004 |  |  |
| Low reading:  |        |        |       |       | 2.966 | 2.958  |  |  |
| Mid reading:  | 11.53  | 3.954  | 2.589 | 2.545 | 5.067 | 5.091  |  |  |
| High reading: | 21.02  | 8.397  | 5.061 | 5.067 | 8.503 | 8.484  |  |  |

#### EPA Method 7E Error Calculations

|            |      |        |        |       |        |     |     |  |  |
|------------|------|--------|--------|-------|--------|-----|-----|--|--|
| Zero %Err: | <2.0 | -0.095 | -0.836 | 0.415 | 0.197  | N/A | N/A |  |  |
| Mid %Err:  | <2.0 | -0.379 | -0.370 | 1.838 | 1.123  | N/A | N/A |  |  |
| High %Err: | <2.0 | -0.473 | 0.251  | 0.040 | -0.138 | N/A | N/A |  |  |

#### EPA Method 25A Error Calculations

|            |           |     |     |     |     |        |        |  |  |
|------------|-----------|-----|-----|-----|-----|--------|--------|--|--|
| Zero %Err: | N/A       | N/A | N/A | N/A | N/A | 0.001  | -0.004 |  |  |
| Low %Err:  | 5% of cyl | N/A | N/A | N/A | N/A | -0.012 | -0.020 |  |  |
| Mid %Err:  | 5% of cyl | N/A | N/A | N/A | N/A | -0.052 | -0.028 |  |  |
| High %Err: | N/A       | N/A | N/A | N/A | N/A | -0.032 | -0.051 |  |  |

#### Initial Bias Data

|              |               |        |        |       |        |       |       |  |  |
|--------------|---------------|--------|--------|-------|--------|-------|-------|--|--|
|              | Zero reading: | 0.047  | -0.043 | 0.098 | 0.002  | 0.002 | 0.006 |  |  |
|              | Span reading: | 11.48  | 3.944  | 2.631 | 2.354  | 5.003 | 5.011 |  |  |
| Zero % bias: | <5.0          | 0.317  | 0.322  | 1.522 | -0.158 | N/A   | N/A   |  |  |
| Span % bias: | <5.0          | -0.237 | -0.119 | 0.830 | -3.764 | N/A   | N/A   |  |  |

#### Final Bias Data

|               |               |        |        |       |        |        |        |  |  |
|---------------|---------------|--------|--------|-------|--------|--------|--------|--|--|
|               | Zero reading: | 0.057  | -0.049 | 0.051 | 0.002  | 0.046  | -0.067 |  |  |
|               | Span reading: | 11.50  | 3.933  | 2.631 | 2.336  | 4.874  | 4.851  |  |  |
| Zero % bias:  | <5.0          | 0.365  | 0.251  | 0.593 | -0.158 | N/A    | N/A    |  |  |
| Span % bias:  | <5.0          | -0.142 | -0.251 | 0.830 | -4.119 | N/A    | N/A    |  |  |
| Zero % drift: | <3.0          | 0.048  | 0.071  | 0.929 | 0.000  | N/A    | N/A    |  |  |
| Span % drift: | <3.0          | 0.095  | 0.132  | 0.000 | 0.355  | N/A    | N/A    |  |  |
| Zero drift:   | <3.0% span    | N/A    | N/A    | N/A   | N/A    | -0.044 | 0.073  |  |  |
| Span drift:   | <3.0% span    | N/A    | N/A    | N/A   | N/A    | 0.129  | 0.160  |  |  |

#### Bias Corrected Averages

|          |       |       |       |       |       |       |  |  |
|----------|-------|-------|-------|-------|-------|-------|--|--|
| Cor Avg: | 13.07 | 4.525 | 1.179 | 2.481 | 2.494 | 2.493 |  |  |
|----------|-------|-------|-------|-------|-------|-------|--|--|



| MAQDAQ 1.0            |                             |                        |                            |
|-----------------------|-----------------------------|------------------------|----------------------------|
| Project Name: SVP DVR | Project Number: PROJ-042969 | CEMS Operator: N.PATEL | Unit/Condition: UNIT 1 MAX |
| Run Length: 21        | Record Interval: 6          | Average Interval: 60   | Triplicate Sampling: False |
| Traverse: True        | Ports: 1                    | Points per port: 3     | DAQ Device: DT9803(01)     |

### Run 5 Average Results - RUN 5 1203-1224

11:57:00 - 12:18:00

|                       | Name:       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) | NOX (NO-2) |  |  |  |  |
|-----------------------|-------------|------------|-------------|-----------|------------|--|--|--|--|
|                       | Make/Model: |            |             |           |            |  |  |  |  |
| Jul 16 2024           | 11:58:00    | 12.94      | 4.477       | 1.294     | 2.176      |  |  |  |  |
| Jul 16 2024           | 11:59:00    | 12.93      | 4.476       | 1.265     | 2.213      |  |  |  |  |
| Jul 16 2024           | 12:00:00    | 12.94      | 4.477       | 1.253     | 2.190      |  |  |  |  |
| Jul 16 2024           | 12:01:00    | 12.93      | 4.473       | 1.267     | 2.220      |  |  |  |  |
| Jul 16 2024           | 12:02:00    | 12.93      | 4.480       | 1.279     | 2.186      |  |  |  |  |
| Jul 16 2024           | 12:03:00    | 12.93      | 4.475       | 1.278     | 2.241      |  |  |  |  |
| Jul 16 2024           | 12:04:00    | 13.10      | 4.439       | 1.275     | 2.171      |  |  |  |  |
| End of port 1 point 1 |             |            |             |           |            |  |  |  |  |
| Jul 16 2024           | 12:05:00    | 13.25      | 4.263       | 1.263     | 2.074      |  |  |  |  |
| Jul 16 2024           | 12:06:00    | 12.95      | 4.482       | 1.286     | 2.197      |  |  |  |  |
| Jul 16 2024           | 12:07:00    | 12.94      | 4.484       | 1.279     | 2.229      |  |  |  |  |
| Jul 16 2024           | 12:08:00    | 12.95      | 4.482       | 1.284     | 2.218      |  |  |  |  |
| Jul 16 2024           | 12:09:00    | 12.93      | 4.487       | 1.281     | 2.145      |  |  |  |  |
| Jul 16 2024           | 12:10:00    | 12.94      | 4.487       | 1.269     | 2.200      |  |  |  |  |
| Jul 16 2024           | 12:11:00    | 12.93      | 4.491       | 1.273     | 2.221      |  |  |  |  |
| End of port 1 point 2 |             |            |             |           |            |  |  |  |  |
| Jul 16 2024           | 12:12:00    | 12.94      | 4.489       | 1.274     | 2.227      |  |  |  |  |
| Jul 16 2024           | 12:13:00    | 12.93      | 4.492       | 1.291     | 2.208      |  |  |  |  |
| Jul 16 2024           | 12:14:00    | 12.93      | 4.492       | 1.299     | 2.194      |  |  |  |  |
| Jul 16 2024           | 12:15:00    | 12.93      | 4.494       | 1.295     | 2.200      |  |  |  |  |
| Jul 16 2024           | 12:16:00    | 12.93      | 4.494       | 1.300     | 2.224      |  |  |  |  |
| Jul 16 2024           | 12:17:00    | 12.94      | 4.495       | 1.288     | 2.226      |  |  |  |  |
| Jul 16 2024           | 12:18:00    | 12.93      | 4.496       | 1.285     | 2.232      |  |  |  |  |
| End of port 1 point 3 |             |            |             |           |            |  |  |  |  |
|                       | Average:    | 12.96      | 4.473       | 1.280     | 2.200      |  |  |  |  |
|                       | Max:        | 13.25      | 4.496       | 1.300     | 2.241      |  |  |  |  |
|                       | Min:        | 12.93      | 4.263       | 1.253     | 2.074      |  |  |  |  |

### Stratification Results

| Port | Point       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) | NOX (NO-2) |  |  |  |  |
|------|-------------|------------|-------------|-----------|------------|--|--|--|--|
| 1    | 1           | 13.04      | 4.444       | 1.264     | 2.192      |  |  |  |  |
| 1    | 2           | 12.93      | 4.488       | 1.288     | 2.199      |  |  |  |  |
| 1    | 3           | 12.93      | 4.494       | 1.292     | 2.219      |  |  |  |  |
|      | Strat diff: | 0.073      | 0.019       | 0.011     | 0.016      |  |  |  |  |
|      | Strat %:    | 0.566      | 0.700       | 1.353     | 0.711      |  |  |  |  |



## MAQDAQ 1.0

|                       |                             |                        |                            |
|-----------------------|-----------------------------|------------------------|----------------------------|
| Project Name: SVP DVR | Project Number: PROJ-042969 | CEMS Operator: N.PATEL | Unit/Condition: UNIT 1 MAX |
| Run Length: 21        | Record Interval: 6          | Average Interval: 60   | Triplicate Sampling: False |
| Traverse: True        | Ports: 1                    | Points per port: 3     | DAQ Device: DT9803(01)     |

### Run 5 Post run bias - RUN 5 1203-1224

11:57:00 - 12:18:00

|                    |            |             |           |            |  |  |  |  |
|--------------------|------------|-------------|-----------|------------|--|--|--|--|
| <b>Name:</b>       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) | NOX (NO-2) |  |  |  |  |
| <b>Make/Model:</b> |            |             |           |            |  |  |  |  |
| <b>25A or 7E:</b>  | 7E         | 7E          | 7E        | 7E         |  |  |  |  |

#### Run summary data

|                 |       |       |       |       |  |  |  |  |
|-----------------|-------|-------|-------|-------|--|--|--|--|
| <b>Raw Avg:</b> | 12.96 | 4.473 | 1.280 | 2.200 |  |  |  |  |
| <b>Max:</b>     | 13.25 | 4.496 | 1.300 | 2.241 |  |  |  |  |
| <b>Min:</b>     | 12.93 | 4.263 | 1.253 | 2.074 |  |  |  |  |

#### Cylinder Concentrations

|              |       |       |       |       |  |  |  |  |
|--------------|-------|-------|-------|-------|--|--|--|--|
| <b>Zero:</b> | 0.000 | 0.000 | 0.000 | 0.000 |  |  |  |  |
| <b>Low:</b>  |       |       |       |       |  |  |  |  |
| <b>Mid:</b>  | 11.61 | 3.985 | 2.496 | 2.488 |  |  |  |  |
| <b>High:</b> | 21.12 | 8.376 | 5.059 | 5.074 |  |  |  |  |

#### Calibration Readings

|                      |        |        |       |       |  |  |  |  |
|----------------------|--------|--------|-------|-------|--|--|--|--|
| <b>Zero reading:</b> | -0.020 | -0.070 | 0.021 | 0.010 |  |  |  |  |
| <b>Low reading:</b>  |        |        |       |       |  |  |  |  |
| <b>Mid reading:</b>  | 11.53  | 3.954  | 2.589 | 2.545 |  |  |  |  |
| <b>High reading:</b> | 21.02  | 8.397  | 5.061 | 5.067 |  |  |  |  |

#### EPA Method 7E Error Calculations

|                   |      |        |        |       |        |  |  |  |
|-------------------|------|--------|--------|-------|--------|--|--|--|
| <b>Zero %Err:</b> | <2.0 | -0.095 | -0.836 | 0.415 | 0.197  |  |  |  |
| <b>Mid %Err:</b>  | <2.0 | -0.379 | -0.370 | 1.838 | 1.123  |  |  |  |
| <b>High %Err:</b> | <2.0 | -0.473 | 0.251  | 0.040 | -0.138 |  |  |  |

#### Initial Bias Data

|                      |       |        |        |       |        |  |  |  |
|----------------------|-------|--------|--------|-------|--------|--|--|--|
| <b>Zero reading:</b> | 0.057 | -0.049 | 0.051  | 0.002 |        |  |  |  |
| <b>Span reading:</b> | 11.50 | 3.933  | 2.631  | 2.336 |        |  |  |  |
| <b>Zero % bias:</b>  | <5.0  | 0.365  | 0.251  | 0.593 | -0.158 |  |  |  |
| <b>Span % bias:</b>  | <5.0  | -0.142 | -0.251 | 0.830 | -4.119 |  |  |  |

#### Final Bias Data

|                      |       |        |        |        |        |  |  |  |
|----------------------|-------|--------|--------|--------|--------|--|--|--|
| <b>Zero reading:</b> | 0.086 | -0.032 | 0.075  | 0.001  |        |  |  |  |
| <b>Span reading:</b> | 11.54 | 3.947  | 2.577  | 2.324  |        |  |  |  |
| <b>Zero % bias:</b>  | <5.0  | 0.502  | 0.454  | 1.067  | -0.177 |  |  |  |
| <b>Span % bias:</b>  | <5.0  | 0.047  | -0.084 | -0.237 | -4.356 |  |  |  |
| <b>Zero % drift:</b> | <3.0  | 0.137  | 0.203  | 0.474  | 0.019  |  |  |  |
| <b>Span % drift:</b> | <3.0  | 0.189  | 0.167  | 1.067  | 0.237  |  |  |  |

#### Bias Corrected Averages

|                 |       |       |       |       |  |  |  |  |
|-----------------|-------|-------|-------|-------|--|--|--|--|
| <b>Cor Avg:</b> | 13.07 | 4.519 | 1.195 | 2.349 |  |  |  |  |
|-----------------|-------|-------|-------|-------|--|--|--|--|



| MAQDAQ 1.0            |                             |                        |                            |
|-----------------------|-----------------------------|------------------------|----------------------------|
| Project Name: SVP DVR | Project Number: PROJ-042969 | CEMS Operator: N.PATEL | Unit/Condition: UNIT 1 MAX |
| Run Length: 21        | Record Interval: 6          | Average Interval: 60   | Triplicate Sampling: False |
| Traverse: True        | Ports: 1                    | Points per port: 3     | DAQ Device: DT9803(01)     |

### Run 6 Average Results - RUN 6 1240-1301

12:34:00 - 12:55:00

|                       | Name:       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) | NOX (NO-2) |  |  |  |  |
|-----------------------|-------------|------------|-------------|-----------|------------|--|--|--|--|
|                       | Make/Model: |            |             |           |            |  |  |  |  |
| Jul 16 2024           | 12:35:00    | 12.92      | 4.508       | 1.296     | 2.312      |  |  |  |  |
| Jul 16 2024           | 12:36:00    | 12.92      | 4.507       | 1.309     | 2.331      |  |  |  |  |
| Jul 16 2024           | 12:37:00    | 12.92      | 4.508       | 1.300     | 2.293      |  |  |  |  |
| Jul 16 2024           | 12:38:00    | 12.91      | 4.508       | 1.285     | 2.274      |  |  |  |  |
| Jul 16 2024           | 12:39:00    | 12.92      | 4.511       | 1.301     | 2.332      |  |  |  |  |
| Jul 16 2024           | 12:40:00    | 12.91      | 4.513       | 1.303     | 2.310      |  |  |  |  |
| Jul 16 2024           | 12:41:00    | 12.93      | 4.512       | 1.305     | 2.292      |  |  |  |  |
| End of port 1 point 1 |             |            |             |           |            |  |  |  |  |
| Jul 16 2024           | 12:42:00    | 12.92      | 4.512       | 1.308     | 2.305      |  |  |  |  |
| Jul 16 2024           | 12:43:00    | 12.91      | 4.511       | 1.318     | 2.276      |  |  |  |  |
| Jul 16 2024           | 12:44:00    | 12.92      | 4.515       | 1.300     | 2.304      |  |  |  |  |
| Jul 16 2024           | 12:45:00    | 12.92      | 4.512       | 1.297     | 2.275      |  |  |  |  |
| Jul 16 2024           | 12:46:00    | 12.92      | 4.517       | 1.294     | 2.278      |  |  |  |  |
| Jul 16 2024           | 12:47:00    | 12.92      | 4.514       | 1.294     | 2.314      |  |  |  |  |
| Jul 16 2024           | 12:48:00    | 12.92      | 4.517       | 1.298     | 2.313      |  |  |  |  |
| End of port 1 point 2 |             |            |             |           |            |  |  |  |  |
| Jul 16 2024           | 12:49:00    | 12.91      | 4.514       | 1.309     | 2.283      |  |  |  |  |
| Jul 16 2024           | 12:50:00    | 12.92      | 4.520       | 1.316     | 2.322      |  |  |  |  |
| Jul 16 2024           | 12:51:00    | 12.92      | 4.522       | 1.308     | 2.309      |  |  |  |  |
| Jul 16 2024           | 12:52:00    | 12.92      | 4.524       | 1.297     | 2.253      |  |  |  |  |
| Jul 16 2024           | 12:53:00    | 12.92      | 4.524       | 1.313     | 2.288      |  |  |  |  |
| Jul 16 2024           | 12:54:00    | 12.92      | 4.522       | 1.301     | 2.312      |  |  |  |  |
| Jul 16 2024           | 12:55:00    | 12.92      | 4.526       | 1.292     | 2.324      |  |  |  |  |
| End of port 1 point 3 |             |            |             |           |            |  |  |  |  |
|                       | Average:    | 12.92      | 4.515       | 1.302     | 2.300      |  |  |  |  |
|                       | Max:        | 12.93      | 4.526       | 1.318     | 2.332      |  |  |  |  |
|                       | Min:        | 12.91      | 4.507       | 1.285     | 2.253      |  |  |  |  |

### Stratification Results

| Port | Point       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) | NOX (NO-2) |  |  |  |  |
|------|-------------|------------|-------------|-----------|------------|--|--|--|--|
| 1    | 1           | 12.91      | 4.510       | 1.303     | 2.300      |  |  |  |  |
| 1    | 2           | 12.92      | 4.516       | 1.300     | 2.299      |  |  |  |  |
| 1    | 3           | 12.92      | 4.523       | 1.301     | 2.307      |  |  |  |  |
|      | Strat diff: | 0.003      | 0.007       | 0.002     | 0.005      |  |  |  |  |
|      | Strat %:    | 0.052      | 0.148       | 0.128     | 0.217      |  |  |  |  |



## MAQDAQ 1.0

|                       |                             |                        |                            |
|-----------------------|-----------------------------|------------------------|----------------------------|
| Project Name: SVP DVR | Project Number: PROJ-042969 | CEMS Operator: N.PATEL | Unit/Condition: UNIT 1 MAX |
| Run Length: 21        | Record Interval: 6          | Average Interval: 60   | Triplicate Sampling: False |
| Traverse: True        | Ports: 1                    | Points per port: 3     | DAQ Device: DT9803(01)     |

### Run 6 Post run bias - RUN 6 1240-1301

12:34:00 - 12:55:00

|                    |            |             |           |            |  |  |  |  |
|--------------------|------------|-------------|-----------|------------|--|--|--|--|
| <b>Name:</b>       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) | NOX (NO-2) |  |  |  |  |
| <b>Make/Model:</b> |            |             |           |            |  |  |  |  |
| <b>25A or 7E:</b>  | 7E         | 7E          | 7E        | 7E         |  |  |  |  |

#### Run summary data

|                 |       |       |       |       |  |  |  |  |
|-----------------|-------|-------|-------|-------|--|--|--|--|
| <b>Raw Avg:</b> | 12.92 | 4.515 | 1.302 | 2.300 |  |  |  |  |
| <b>Max:</b>     | 12.93 | 4.526 | 1.318 | 2.332 |  |  |  |  |
| <b>Min:</b>     | 12.91 | 4.507 | 1.285 | 2.253 |  |  |  |  |

#### Cylinder Concentrations

|              |       |       |       |       |  |  |  |  |
|--------------|-------|-------|-------|-------|--|--|--|--|
| <b>Zero:</b> | 0.000 | 0.000 | 0.000 | 0.000 |  |  |  |  |
| <b>Low:</b>  |       |       |       |       |  |  |  |  |
| <b>Mid:</b>  | 11.61 | 3.985 | 2.496 | 2.488 |  |  |  |  |
| <b>High:</b> | 21.12 | 8.376 | 5.059 | 5.074 |  |  |  |  |

#### Calibration Readings

|                      |        |        |       |       |  |  |  |  |
|----------------------|--------|--------|-------|-------|--|--|--|--|
| <b>Zero reading:</b> | -0.020 | -0.070 | 0.021 | 0.010 |  |  |  |  |
| <b>Low reading:</b>  |        |        |       |       |  |  |  |  |
| <b>Mid reading:</b>  | 11.53  | 3.954  | 2.589 | 2.545 |  |  |  |  |
| <b>High reading:</b> | 21.02  | 8.397  | 5.061 | 5.067 |  |  |  |  |

#### EPA Method 7E Error Calculations

|                   |      |        |        |       |        |  |  |  |
|-------------------|------|--------|--------|-------|--------|--|--|--|
| <b>Zero %Err:</b> | <2.0 | -0.095 | -0.836 | 0.415 | 0.197  |  |  |  |
| <b>Mid %Err:</b>  | <2.0 | -0.379 | -0.370 | 1.838 | 1.123  |  |  |  |
| <b>High %Err:</b> | <2.0 | -0.473 | 0.251  | 0.040 | -0.138 |  |  |  |

#### Initial Bias Data

|                      |       |        |        |        |        |  |  |  |
|----------------------|-------|--------|--------|--------|--------|--|--|--|
| <b>Zero reading:</b> | 0.086 | -0.032 | 0.075  | 0.001  |        |  |  |  |
| <b>Span reading:</b> | 11.54 | 3.947  | 2.577  | 2.324  |        |  |  |  |
| <b>Zero % bias:</b>  | <5.0  | 0.502  | 0.454  | 1.067  | -0.177 |  |  |  |
| <b>Span % bias:</b>  | <5.0  | 0.047  | -0.084 | -0.237 | -4.356 |  |  |  |

#### Final Bias Data

|                      |       |        |       |       |        |  |  |  |
|----------------------|-------|--------|-------|-------|--------|--|--|--|
| <b>Zero reading:</b> | 0.076 | -0.021 | 0.098 | 0.002 |        |  |  |  |
| <b>Span reading:</b> | 11.49 | 3.957  | 2.618 | 2.335 |        |  |  |  |
| <b>Zero % bias:</b>  | <5.0  | 0.455  | 0.585 | 1.522 | -0.158 |  |  |  |
| <b>Span % bias:</b>  | <5.0  | -0.189 | 0.036 | 0.573 | -4.139 |  |  |  |
| <b>Zero % drift:</b> | <3.0  | 0.047  | 0.131 | 0.455 | 0.019  |  |  |  |
| <b>Span % drift:</b> | <3.0  | 0.236  | 0.120 | 0.810 | 0.217  |  |  |  |

#### Bias Corrected Averages

|                 |       |       |       |       |  |  |  |  |
|-----------------|-------|-------|-------|-------|--|--|--|--|
| <b>Cor Avg:</b> | 13.04 | 4.549 | 1.208 | 2.456 |  |  |  |  |
|-----------------|-------|-------|-------|-------|--|--|--|--|



| MAQDAQ 1.0            |                             |                        |                            |
|-----------------------|-----------------------------|------------------------|----------------------------|
| Project Name: SVP DVR | Project Number: PROJ-042969 | CEMS Operator: N.PATEL | Unit/Condition: UNIT 1 MAX |
| Run Length: 21        | Record Interval: 6          | Average Interval: 60   | Triplicate Sampling: False |
| Traverse: True        | Ports: 1                    | Points per port: 3     | DAQ Device: DT9803(01)     |

### Run 7 Average Results - RUN 7 1307-1328

13:01:00 - 13:22:00

|                       | Name:       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) | NOX (NO-2) |  |  |  |  |
|-----------------------|-------------|------------|-------------|-----------|------------|--|--|--|--|
|                       | Make/Model: |            |             |           |            |  |  |  |  |
| Jul 16 2024           | 13:02:00    | 12.93      | 4.523       | 1.288     | 2.299      |  |  |  |  |
| Jul 16 2024           | 13:03:00    | 12.93      | 4.527       | 1.284     | 2.311      |  |  |  |  |
| Jul 16 2024           | 13:04:00    | 12.92      | 4.526       | 1.311     | 2.298      |  |  |  |  |
| Jul 16 2024           | 13:05:00    | 12.92      | 4.527       | 1.279     | 2.339      |  |  |  |  |
| Jul 16 2024           | 13:06:00    | 12.92      | 4.527       | 1.288     | 2.294      |  |  |  |  |
| Jul 16 2024           | 13:07:00    | 12.92      | 4.525       | 1.292     | 2.261      |  |  |  |  |
| Jul 16 2024           | 13:08:00    | 12.92      | 4.530       | 1.296     | 2.324      |  |  |  |  |
| End of port 1 point 1 |             |            |             |           |            |  |  |  |  |
| Jul 16 2024           | 13:09:00    | 12.92      | 4.523       | 1.286     | 2.281      |  |  |  |  |
| Jul 16 2024           | 13:10:00    | 12.93      | 4.530       | 1.293     | 2.252      |  |  |  |  |
| Jul 16 2024           | 13:11:00    | 12.92      | 4.527       | 1.303     | 2.280      |  |  |  |  |
| Jul 16 2024           | 13:12:00    | 12.92      | 4.532       | 1.284     | 2.298      |  |  |  |  |
| Jul 16 2024           | 13:13:00    | 12.92      | 4.528       | 1.279     | 2.351      |  |  |  |  |
| Jul 16 2024           | 13:14:00    | 12.93      | 4.531       | 1.294     | 2.287      |  |  |  |  |
| Jul 16 2024           | 13:15:00    | 12.93      | 4.531       | 1.312     | 2.283      |  |  |  |  |
| End of port 1 point 2 |             |            |             |           |            |  |  |  |  |
| Jul 16 2024           | 13:16:00    | 12.92      | 4.530       | 1.288     | 2.302      |  |  |  |  |
| Jul 16 2024           | 13:17:00    | 12.92      | 4.532       | 1.309     | 2.301      |  |  |  |  |
| Jul 16 2024           | 13:18:00    | 12.92      | 4.527       | 1.300     | 2.281      |  |  |  |  |
| Jul 16 2024           | 13:19:00    | 12.92      | 4.530       | 1.300     | 2.297      |  |  |  |  |
| Jul 16 2024           | 13:20:00    | 12.92      | 4.529       | 1.292     | 2.300      |  |  |  |  |
| Jul 16 2024           | 13:21:00    | 12.93      | 4.530       | 1.285     | 2.313      |  |  |  |  |
| Jul 16 2024           | 13:22:00    | 12.92      | 4.529       | 1.313     | 2.293      |  |  |  |  |
| End of port 1 point 3 |             |            |             |           |            |  |  |  |  |
|                       | Average:    | 12.92      | 4.528       | 1.294     | 2.297      |  |  |  |  |
|                       | Max:        | 12.93      | 4.532       | 1.313     | 2.351      |  |  |  |  |
|                       | Min:        | 12.92      | 4.523       | 1.279     | 2.252      |  |  |  |  |

### Stratification Results

| Port | Point       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) | NOX (NO-2) |  |  |  |  |
|------|-------------|------------|-------------|-----------|------------|--|--|--|--|
| 1    | 1           | 12.93      | 4.527       | 1.291     | 2.299      |  |  |  |  |
| 1    | 2           | 12.93      | 4.529       | 1.296     | 2.295      |  |  |  |  |
| 1    | 3           | 12.92      | 4.530       | 1.300     | 2.301      |  |  |  |  |
|      | Strat diff: | 0.003      | 0.001       | 0.004     | 0.003      |  |  |  |  |
|      | Strat %:    | 0.052      | 0.037       | 0.360     | 0.145      |  |  |  |  |



## MAQDAQ 1.0

|                       |                             |                        |                            |
|-----------------------|-----------------------------|------------------------|----------------------------|
| Project Name: SVP DVR | Project Number: PROJ-042969 | CEMS Operator: N.PATEL | Unit/Condition: UNIT 1 MAX |
| Run Length: 21        | Record Interval: 6          | Average Interval: 60   | Triplicate Sampling: False |
| Traverse: True        | Ports: 1                    | Points per port: 3     | DAQ Device: DT9803(01)     |

### Run 7 Post run bias - RUN 7 1307-1328

13:01:00 - 13:22:00

|                    |            |             |           |            |  |  |  |  |
|--------------------|------------|-------------|-----------|------------|--|--|--|--|
| <b>Name:</b>       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) | NOX (NO-2) |  |  |  |  |
| <b>Make/Model:</b> |            |             |           |            |  |  |  |  |
| <b>25A or 7E:</b>  | 7E         | 7E          | 7E        | 7E         |  |  |  |  |

#### Run summary data

|                 |       |       |       |       |  |  |  |  |
|-----------------|-------|-------|-------|-------|--|--|--|--|
| <b>Raw Avg:</b> | 12.92 | 4.528 | 1.294 | 2.297 |  |  |  |  |
| <b>Max:</b>     | 12.93 | 4.532 | 1.313 | 2.351 |  |  |  |  |
| <b>Min:</b>     | 12.92 | 4.523 | 1.279 | 2.252 |  |  |  |  |

#### Cylinder Concentrations

|              |       |       |       |       |  |  |  |  |
|--------------|-------|-------|-------|-------|--|--|--|--|
| <b>Zero:</b> | 0.000 | 0.000 | 0.000 | 0.000 |  |  |  |  |
| <b>Low:</b>  |       |       |       |       |  |  |  |  |
| <b>Mid:</b>  | 11.61 | 3.985 | 2.496 | 2.488 |  |  |  |  |
| <b>High:</b> | 21.12 | 8.376 | 5.059 | 5.074 |  |  |  |  |

#### Calibration Readings

|                      |        |        |       |       |  |  |  |  |
|----------------------|--------|--------|-------|-------|--|--|--|--|
| <b>Zero reading:</b> | -0.020 | -0.070 | 0.021 | 0.010 |  |  |  |  |
| <b>Low reading:</b>  |        |        |       |       |  |  |  |  |
| <b>Mid reading:</b>  | 11.53  | 3.954  | 2.589 | 2.545 |  |  |  |  |
| <b>High reading:</b> | 21.02  | 8.397  | 5.061 | 5.067 |  |  |  |  |

#### EPA Method 7E Error Calculations

|                   |      |        |        |       |        |  |  |  |
|-------------------|------|--------|--------|-------|--------|--|--|--|
| <b>Zero %Err:</b> | <2.0 | -0.095 | -0.836 | 0.415 | 0.197  |  |  |  |
| <b>Mid %Err:</b>  | <2.0 | -0.379 | -0.370 | 1.838 | 1.123  |  |  |  |
| <b>High %Err:</b> | <2.0 | -0.473 | 0.251  | 0.040 | -0.138 |  |  |  |

#### Initial Bias Data

|                      |       |        |       |       |        |  |  |  |
|----------------------|-------|--------|-------|-------|--------|--|--|--|
| <b>Zero reading:</b> | 0.076 | -0.021 | 0.098 | 0.002 |        |  |  |  |
| <b>Span reading:</b> | 11.49 | 3.957  | 2.618 | 2.335 |        |  |  |  |
| <b>Zero % bias:</b>  | <5.0  | 0.455  | 0.585 | 1.522 | -0.158 |  |  |  |
| <b>Span % bias:</b>  | <5.0  | -0.189 | 0.036 | 0.573 | -4.139 |  |  |  |

#### Final Bias Data

|                      |       |        |       |       |        |  |  |  |
|----------------------|-------|--------|-------|-------|--------|--|--|--|
| <b>Zero reading:</b> | 0.070 | -0.016 | 0.062 | 0.002 |        |  |  |  |
| <b>Span reading:</b> | 11.49 | 3.962  | 2.613 | 2.348 |        |  |  |  |
| <b>Zero % bias:</b>  | <5.0  | 0.426  | 0.645 | 0.810 | -0.158 |  |  |  |
| <b>Span % bias:</b>  | <5.0  | -0.189 | 0.096 | 0.474 | -3.883 |  |  |  |
| <b>Zero % drift:</b> | <3.0  | 0.029  | 0.060 | 0.712 | 0.000  |  |  |  |
| <b>Span % drift:</b> | <3.0  | 0.000  | 0.060 | 0.099 | 0.256  |  |  |  |

#### Bias Corrected Averages

|                 |       |       |       |       |  |  |  |  |
|-----------------|-------|-------|-------|-------|--|--|--|--|
| <b>Cor Avg:</b> | 13.06 | 4.555 | 1.195 | 2.441 |  |  |  |  |
|-----------------|-------|-------|-------|-------|--|--|--|--|



| MAQDAQ 1.0            |                             |                        |                            |
|-----------------------|-----------------------------|------------------------|----------------------------|
| Project Name: SVP DVR | Project Number: PROJ-042969 | CEMS Operator: N.PATEL | Unit/Condition: UNIT 1 MAX |
| Run Length: 21        | Record Interval: 6          | Average Interval: 60   | Triplicate Sampling: False |
| Traverse: True        | Ports: 1                    | Points per port: 3     | DAQ Device: DT9803(01)     |

### Run 8 Average Results - RUN 8 1338-1359

13:32:00 - 13:53:00

|                       | Name:       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) | NOX (NO-2) |  |  |  |  |
|-----------------------|-------------|------------|-------------|-----------|------------|--|--|--|--|
|                       | Make/Model: |            |             |           |            |  |  |  |  |
| Jul 16 2024           | 13:33:00    | 12.92      | 4.531       | 1.305     | 2.301      |  |  |  |  |
| Jul 16 2024           | 13:34:00    | 12.92      | 4.529       | 1.274     | 2.342      |  |  |  |  |
| Jul 16 2024           | 13:35:00    | 12.92      | 4.529       | 1.306     | 2.330      |  |  |  |  |
| Jul 16 2024           | 13:36:00    | 12.91      | 4.531       | 1.287     | 2.287      |  |  |  |  |
| Jul 16 2024           | 13:37:00    | 12.91      | 4.531       | 1.289     | 2.317      |  |  |  |  |
| Jul 16 2024           | 13:38:00    | 12.92      | 4.530       | 1.287     | 2.313      |  |  |  |  |
| Jul 16 2024           | 13:39:00    | 12.92      | 4.531       | 1.282     | 2.278      |  |  |  |  |
| End of port 1 point 1 |             |            |             |           |            |  |  |  |  |
| Jul 16 2024           | 13:40:00    | 12.92      | 4.526       | 1.299     | 2.318      |  |  |  |  |
| Jul 16 2024           | 13:41:00    | 12.92      | 4.530       | 1.302     | 2.302      |  |  |  |  |
| Jul 16 2024           | 13:42:00    | 12.92      | 4.524       | 1.295     | 2.279      |  |  |  |  |
| Jul 16 2024           | 13:43:00    | 12.92      | 4.527       | 1.293     | 2.313      |  |  |  |  |
| Jul 16 2024           | 13:44:00    | 12.92      | 4.525       | 1.308     | 2.315      |  |  |  |  |
| Jul 16 2024           | 13:45:00    | 12.92      | 4.523       | 1.286     | 2.284      |  |  |  |  |
| Jul 16 2024           | 13:46:00    | 12.92      | 4.522       | 1.299     | 2.302      |  |  |  |  |
| End of port 1 point 2 |             |            |             |           |            |  |  |  |  |
| Jul 16 2024           | 13:47:00    | 12.92      | 4.524       | 1.292     | 2.313      |  |  |  |  |
| Jul 16 2024           | 13:48:00    | 12.92      | 4.526       | 1.288     | 2.292      |  |  |  |  |
| Jul 16 2024           | 13:49:00    | 12.92      | 4.522       | 1.297     | 2.328      |  |  |  |  |
| Jul 16 2024           | 13:50:00    | 12.91      | 4.524       | 1.308     | 2.322      |  |  |  |  |
| Jul 16 2024           | 13:51:00    | 12.91      | 4.521       | 1.320     | 2.307      |  |  |  |  |
| Jul 16 2024           | 13:52:00    | 12.92      | 4.526       | 1.320     | 2.342      |  |  |  |  |
| Jul 16 2024           | 13:53:00    | 12.91      | 4.520       | 1.296     | 2.337      |  |  |  |  |
| End of port 1 point 3 |             |            |             |           |            |  |  |  |  |
|                       | Average:    | 12.92      | 4.526       | 1.297     | 2.311      |  |  |  |  |
|                       | Max:        | 12.92      | 4.531       | 1.320     | 2.342      |  |  |  |  |
|                       | Min:        | 12.91      | 4.520       | 1.274     | 2.278      |  |  |  |  |

### Stratification Results

| Port | Point       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) | NOX (NO-2) |  |  |  |  |
|------|-------------|------------|-------------|-----------|------------|--|--|--|--|
| 1    | 1           | 12.92      | 4.531       | 1.291     | 2.314      |  |  |  |  |
| 1    | 2           | 12.92      | 4.523       | 1.296     | 2.300      |  |  |  |  |
| 1    | 3           | 12.91      | 4.520       | 1.299     | 2.319      |  |  |  |  |
|      | Strat diff: | 0.003      | 0.006       | 0.004     | 0.008      |  |  |  |  |
|      | Strat %:    | 0.052      | 0.140       | 0.335     | 0.476      |  |  |  |  |



## MAQDAQ 1.0

|                       |                             |                        |                            |
|-----------------------|-----------------------------|------------------------|----------------------------|
| Project Name: SVP DVR | Project Number: PROJ-042969 | CEMS Operator: N.PATEL | Unit/Condition: UNIT 1 MAX |
| Run Length: 21        | Record Interval: 6          | Average Interval: 60   | Triplicate Sampling: False |
| Traverse: True        | Ports: 1                    | Points per port: 3     | DAQ Device: DT9803(01)     |

### Run 8 Post run bias - RUN 8 1338-1359

13:32:00 - 13:53:00

|                    |            |             |           |            |  |  |  |  |
|--------------------|------------|-------------|-----------|------------|--|--|--|--|
| <b>Name:</b>       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) | NOX (NO-2) |  |  |  |  |
| <b>Make/Model:</b> |            |             |           |            |  |  |  |  |
| <b>25A or 7E:</b>  | 7E         | 7E          | 7E        | 7E         |  |  |  |  |

#### Run summary data

|                 |       |       |       |       |  |  |  |  |
|-----------------|-------|-------|-------|-------|--|--|--|--|
| <b>Raw Avg:</b> | 12.92 | 4.526 | 1.297 | 2.311 |  |  |  |  |
| <b>Max:</b>     | 12.92 | 4.531 | 1.320 | 2.342 |  |  |  |  |
| <b>Min:</b>     | 12.91 | 4.520 | 1.274 | 2.278 |  |  |  |  |

#### Cylinder Concentrations

|              |       |       |       |       |  |  |  |  |
|--------------|-------|-------|-------|-------|--|--|--|--|
| <b>Zero:</b> | 0.000 | 0.000 | 0.000 | 0.000 |  |  |  |  |
| <b>Low:</b>  |       |       |       |       |  |  |  |  |
| <b>Mid:</b>  | 11.61 | 3.985 | 2.496 | 2.488 |  |  |  |  |
| <b>High:</b> | 21.12 | 8.376 | 5.059 | 5.074 |  |  |  |  |

#### Calibration Readings

|                      |        |        |       |       |  |  |  |  |
|----------------------|--------|--------|-------|-------|--|--|--|--|
| <b>Zero reading:</b> | -0.020 | -0.070 | 0.021 | 0.010 |  |  |  |  |
| <b>Low reading:</b>  |        |        |       |       |  |  |  |  |
| <b>Mid reading:</b>  | 11.53  | 3.954  | 2.589 | 2.545 |  |  |  |  |
| <b>High reading:</b> | 21.02  | 8.397  | 5.061 | 5.067 |  |  |  |  |

#### EPA Method 7E Error Calculations

|                   |      |        |        |       |        |  |  |  |
|-------------------|------|--------|--------|-------|--------|--|--|--|
| <b>Zero %Err:</b> | <2.0 | -0.095 | -0.836 | 0.415 | 0.197  |  |  |  |
| <b>Mid %Err:</b>  | <2.0 | -0.379 | -0.370 | 1.838 | 1.123  |  |  |  |
| <b>High %Err:</b> | <2.0 | -0.473 | 0.251  | 0.040 | -0.138 |  |  |  |

#### Initial Bias Data

|                      |       |        |       |       |        |  |  |  |
|----------------------|-------|--------|-------|-------|--------|--|--|--|
| <b>Zero reading:</b> | 0.070 | -0.016 | 0.062 | 0.002 |        |  |  |  |
| <b>Span reading:</b> | 11.49 | 3.962  | 2.613 | 2.348 |        |  |  |  |
| <b>Zero % bias:</b>  | <5.0  | 0.426  | 0.645 | 0.810 | -0.158 |  |  |  |
| <b>Span % bias:</b>  | <5.0  | -0.189 | 0.096 | 0.474 | -3.883 |  |  |  |

#### Final Bias Data

|                      |       |        |       |       |        |  |  |  |
|----------------------|-------|--------|-------|-------|--------|--|--|--|
| <b>Zero reading:</b> | 0.082 | -0.023 | 0.050 | 0.002 |        |  |  |  |
| <b>Span reading:</b> | 11.50 | 3.967  | 2.631 | 2.347 |        |  |  |  |
| <b>Zero % bias:</b>  | <5.0  | 0.483  | 0.561 | 0.573 | -0.158 |  |  |  |
| <b>Span % bias:</b>  | <5.0  | -0.142 | 0.155 | 0.830 | -3.902 |  |  |  |
| <b>Zero % drift:</b> | <3.0  | 0.057  | 0.084 | 0.237 | 0.000  |  |  |  |
| <b>Span % drift:</b> | <3.0  | 0.047  | 0.059 | 0.356 | 0.019  |  |  |  |

#### Bias Corrected Averages

|                 |       |       |       |       |  |  |  |  |
|-----------------|-------|-------|-------|-------|--|--|--|--|
| <b>Cor Avg:</b> | 13.06 | 4.547 | 1.207 | 2.449 |  |  |  |  |
|-----------------|-------|-------|-------|-------|--|--|--|--|



| MAQDAQ 1.0            |                             |                        |                            |
|-----------------------|-----------------------------|------------------------|----------------------------|
| Project Name: SVP DVR | Project Number: PROJ-042969 | CEMS Operator: N.PATEL | Unit/Condition: UNIT 1 MAX |
| Run Length: 21        | Record Interval: 6          | Average Interval: 60   | Triplicate Sampling: False |
| Traverse: True        | Ports: 1                    | Points per port: 3     | DAQ Device: DT9803(01)     |

### Run 9 Average Results - RUN 9 1406-1427

14:00:00 - 14:21:00

|                       | Name:       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) | NOX (NO-2) |  |  |  |  |
|-----------------------|-------------|------------|-------------|-----------|------------|--|--|--|--|
|                       | Make/Model: |            |             |           |            |  |  |  |  |
| Jul 16 2024           | 14:01:00    | 12.89      | 4.514       | 1.285     | 2.317      |  |  |  |  |
| Jul 16 2024           | 14:02:00    | 12.90      | 4.512       | 1.297     | 2.304      |  |  |  |  |
| Jul 16 2024           | 14:03:00    | 12.91      | 4.514       | 1.308     | 2.315      |  |  |  |  |
| Jul 16 2024           | 14:04:00    | 12.91      | 4.512       | 1.294     | 2.297      |  |  |  |  |
| Jul 16 2024           | 14:05:00    | 12.90      | 4.518       | 1.303     | 2.288      |  |  |  |  |
| Jul 16 2024           | 14:06:00    | 12.90      | 4.517       | 1.288     | 2.328      |  |  |  |  |
| Jul 16 2024           | 14:07:00    | 12.91      | 4.518       | 1.299     | 2.318      |  |  |  |  |
| End of port 1 point 1 |             |            |             |           |            |  |  |  |  |
| Jul 16 2024           | 14:08:00    | 12.90      | 4.516       | 1.303     | 2.269      |  |  |  |  |
| Jul 16 2024           | 14:09:00    | 12.90      | 4.514       | 1.293     | 2.308      |  |  |  |  |
| Jul 16 2024           | 14:10:00    | 12.90      | 4.514       | 1.304     | 2.337      |  |  |  |  |
| Jul 16 2024           | 14:11:00    | 12.90      | 4.512       | 1.288     | 2.297      |  |  |  |  |
| Jul 16 2024           | 14:12:00    | 12.91      | 4.512       | 1.279     | 2.296      |  |  |  |  |
| Jul 16 2024           | 14:13:00    | 12.91      | 4.510       | 1.317     | 2.303      |  |  |  |  |
| Jul 16 2024           | 14:14:00    | 12.90      | 4.513       | 1.313     | 2.290      |  |  |  |  |
| End of port 1 point 2 |             |            |             |           |            |  |  |  |  |
| Jul 16 2024           | 14:15:00    | 12.91      | 4.511       | 1.321     | 2.358      |  |  |  |  |
| Jul 16 2024           | 14:16:00    | 12.92      | 4.515       | 1.318     | 2.302      |  |  |  |  |
| Jul 16 2024           | 14:17:00    | 12.90      | 4.514       | 1.332     | 2.311      |  |  |  |  |
| Jul 16 2024           | 14:18:00    | 12.91      | 4.519       | 1.331     | 2.351      |  |  |  |  |
| Jul 16 2024           | 14:19:00    | 12.91      | 4.518       | 1.308     | 2.322      |  |  |  |  |
| Jul 16 2024           | 14:20:00    | 12.92      | 4.514       | 1.299     | 2.275      |  |  |  |  |
| Jul 16 2024           | 14:21:00    | 12.91      | 4.516       | 1.312     | 2.326      |  |  |  |  |
| End of port 1 point 3 |             |            |             |           |            |  |  |  |  |
|                       | Average:    | 12.91      | 4.514       | 1.304     | 2.310      |  |  |  |  |
|                       | Max:        | 12.92      | 4.519       | 1.332     | 2.358      |  |  |  |  |
|                       | Min:        | 12.89      | 4.510       | 1.279     | 2.269      |  |  |  |  |

### Stratification Results

| Port | Point       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) | NOX (NO-2) |  |  |  |  |
|------|-------------|------------|-------------|-----------|------------|--|--|--|--|
| 1    | 1           | 12.90      | 4.516       | 1.294     | 2.300      |  |  |  |  |
| 1    | 2           | 12.90      | 4.512       | 1.303     | 2.316      |  |  |  |  |
| 1    | 3           | 12.90      | 4.515       | 1.315     | 2.335      |  |  |  |  |
|      | Strat diff: | 0.000      | 0.002       | 0.011     | 0.018      |  |  |  |  |
|      | Strat %:    | 0.000      | 0.052       | 0.844     | 0.777      |  |  |  |  |



## MAQDAQ 1.0

|                       |                             |                        |                            |
|-----------------------|-----------------------------|------------------------|----------------------------|
| Project Name: SVP DVR | Project Number: PROJ-042969 | CEMS Operator: N.PATEL | Unit/Condition: UNIT 1 MAX |
| Run Length: 21        | Record Interval: 6          | Average Interval: 60   | Triplicate Sampling: False |
| Traverse: True        | Ports: 1                    | Points per port: 3     | DAQ Device: DT9803(01)     |

### Run 9 Post run bias - RUN 9 1406-1427

14:00:00 - 14:21:00

|             |            |             |           |            |  |  |  |  |
|-------------|------------|-------------|-----------|------------|--|--|--|--|
| Name:       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) | NOX (NO-2) |  |  |  |  |
| Make/Model: |            |             |           |            |  |  |  |  |
| 25A or 7E:  | 7E         | 7E          | 7E        | 7E         |  |  |  |  |

#### Run summary data

|          |       |       |       |       |  |  |  |  |
|----------|-------|-------|-------|-------|--|--|--|--|
| Raw Avg: | 12.91 | 4.514 | 1.304 | 2.310 |  |  |  |  |
| Max:     | 12.92 | 4.519 | 1.332 | 2.358 |  |  |  |  |
| Min:     | 12.89 | 4.510 | 1.279 | 2.269 |  |  |  |  |

#### Cylinder Concentrations

|       |       |       |       |       |  |  |  |  |
|-------|-------|-------|-------|-------|--|--|--|--|
| Zero: | 0.000 | 0.000 | 0.000 | 0.000 |  |  |  |  |
| Low:  |       |       |       |       |  |  |  |  |
| Mid:  | 11.61 | 3.985 | 2.496 | 2.488 |  |  |  |  |
| High: | 21.12 | 8.376 | 5.059 | 5.074 |  |  |  |  |

#### Calibration Readings

|               |        |        |       |       |  |  |  |  |
|---------------|--------|--------|-------|-------|--|--|--|--|
| Zero reading: | -0.020 | -0.070 | 0.021 | 0.010 |  |  |  |  |
| Low reading:  |        |        |       |       |  |  |  |  |
| Mid reading:  | 11.53  | 3.954  | 2.589 | 2.545 |  |  |  |  |
| High reading: | 21.02  | 8.397  | 5.061 | 5.067 |  |  |  |  |

#### EPA Method 7E Error Calculations

|            |      |        |        |       |        |  |  |  |
|------------|------|--------|--------|-------|--------|--|--|--|
| Zero %Err: | <2.0 | -0.095 | -0.836 | 0.415 | 0.197  |  |  |  |
| Mid %Err:  | <2.0 | -0.379 | -0.370 | 1.838 | 1.123  |  |  |  |
| High %Err: | <2.0 | -0.473 | 0.251  | 0.040 | -0.138 |  |  |  |

#### Initial Bias Data

|               |       |        |       |       |        |  |  |  |
|---------------|-------|--------|-------|-------|--------|--|--|--|
| Zero reading: | 0.082 | -0.023 | 0.050 | 0.002 |        |  |  |  |
| Span reading: | 11.50 | 3.967  | 2.631 | 2.347 |        |  |  |  |
| Zero % bias:  | <5.0  | 0.483  | 0.561 | 0.573 | -0.158 |  |  |  |
| Span % bias:  | <5.0  | -0.142 | 0.155 | 0.830 | -3.902 |  |  |  |

#### Final Bias Data

|               |       |        |       |       |        |  |  |  |
|---------------|-------|--------|-------|-------|--------|--|--|--|
| Zero reading: | 0.047 | -0.046 | 0.091 | 0.002 |        |  |  |  |
| Span reading: | 11.48 | 3.954  | 2.595 | 2.371 |        |  |  |  |
| Zero % bias:  | <5.0  | 0.317  | 0.287 | 1.384 | -0.158 |  |  |  |
| Span % bias:  | <5.0  | -0.237 | 0.000 | 0.119 | -3.429 |  |  |  |
| Zero % drift: | <3.0  | 0.166  | 0.274 | 0.811 | 0.000  |  |  |  |
| Span % drift: | <3.0  | 0.095  | 0.155 | 0.711 | 0.473  |  |  |  |

#### Bias Corrected Averages

|          |       |       |       |       |  |  |  |  |
|----------|-------|-------|-------|-------|--|--|--|--|
| Cor Avg: | 13.05 | 4.537 | 1.211 | 2.436 |  |  |  |  |
|----------|-------|-------|-------|-------|--|--|--|--|



| MAQDAQ 1.0            |                             |                        |                            |
|-----------------------|-----------------------------|------------------------|----------------------------|
| Project Name: SVP DVR | Project Number: PROJ-042969 | CEMS Operator: N.PATEL | Unit/Condition: UNIT 1 MAX |
| Run Length: 21        | Record Interval: 6          | Average Interval: 60   | Triplicate Sampling: False |
| Traverse: True        | Ports: 1                    | Points per port: 3     | DAQ Device: DT9803(01)     |

### Run 10 Average Results - RUN 10 1439-1500

14:33:00 - 14:54:00

|                       | Name:       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) | NOX (NO-2) |  |  |  |  |
|-----------------------|-------------|------------|-------------|-----------|------------|--|--|--|--|
|                       | Make/Model: |            |             |           |            |  |  |  |  |
| Jul 16 2024           | 14:34:00    | 12.91      | 4.518       | 1.289     | 2.321      |  |  |  |  |
| Jul 16 2024           | 14:35:00    | 12.92      | 4.513       | 1.305     | 2.299      |  |  |  |  |
| Jul 16 2024           | 14:36:00    | 12.92      | 4.518       | 1.308     | 2.316      |  |  |  |  |
| Jul 16 2024           | 14:37:00    | 12.91      | 4.515       | 1.310     | 2.323      |  |  |  |  |
| Jul 16 2024           | 14:38:00    | 12.92      | 4.518       | 1.295     | 2.291      |  |  |  |  |
| Jul 16 2024           | 14:39:00    | 12.91      | 4.517       | 1.308     | 2.359      |  |  |  |  |
| Jul 16 2024           | 14:40:00    | 12.91      | 4.520       | 1.300     | 2.334      |  |  |  |  |
| End of port 1 point 1 |             |            |             |           |            |  |  |  |  |
| Jul 16 2024           | 14:41:00    | 12.90      | 4.518       | 1.290     | 2.309      |  |  |  |  |
| Jul 16 2024           | 14:42:00    | 12.90      | 4.518       | 1.302     | 2.323      |  |  |  |  |
| Jul 16 2024           | 14:43:00    | 12.91      | 4.518       | 1.310     | 2.281      |  |  |  |  |
| Jul 16 2024           | 14:44:00    | 12.91      | 4.518       | 1.304     | 2.279      |  |  |  |  |
| Jul 16 2024           | 14:45:00    | 12.91      | 4.517       | 1.291     | 2.334      |  |  |  |  |
| Jul 16 2024           | 14:46:00    | 12.91      | 4.513       | 1.298     | 2.300      |  |  |  |  |
| Jul 16 2024           | 14:47:00    | 12.92      | 4.516       | 1.305     | 2.282      |  |  |  |  |
| End of port 1 point 2 |             |            |             |           |            |  |  |  |  |
| Jul 16 2024           | 14:48:00    | 12.91      | 4.514       | 1.299     | 2.310      |  |  |  |  |
| Jul 16 2024           | 14:49:00    | 12.92      | 4.515       | 1.302     | 2.338      |  |  |  |  |
| Jul 16 2024           | 14:50:00    | 12.92      | 4.514       | 1.306     | 2.317      |  |  |  |  |
| Jul 16 2024           | 14:51:00    | 12.91      | 4.515       | 1.312     | 2.307      |  |  |  |  |
| Jul 16 2024           | 14:52:00    | 12.91      | 4.517       | 1.321     | 2.294      |  |  |  |  |
| Jul 16 2024           | 14:53:00    | 12.91      | 4.518       | 1.310     | 2.321      |  |  |  |  |
| Jul 16 2024           | 14:54:00    | 12.91      | 4.515       | 1.329     | 2.306      |  |  |  |  |
| End of port 1 point 3 |             |            |             |           |            |  |  |  |  |
|                       | Average:    | 12.91      | 4.516       | 1.304     | 2.312      |  |  |  |  |
|                       | Max:        | 12.92      | 4.520       | 1.329     | 2.359      |  |  |  |  |
|                       | Min:        | 12.90      | 4.513       | 1.289     | 2.279      |  |  |  |  |

### Stratification Results

| Port | Point       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) | NOX (NO-2) |  |  |  |  |
|------|-------------|------------|-------------|-----------|------------|--|--|--|--|
| 1    | 1           | 12.91      | 4.517       | 1.302     | 2.300      |  |  |  |  |
| 1    | 2           | 12.92      | 4.518       | 1.299     | 2.302      |  |  |  |  |
| 1    | 3           | 12.91      | 4.518       | 1.319     | 2.299      |  |  |  |  |
|      | Strat diff: | 0.007      | 0.000       | 0.012     | 0.002      |  |  |  |  |
|      | Strat %:    | 0.052      | 0.015       | 0.944     | 0.072      |  |  |  |  |



## MAQDAQ 1.0

|                       |                             |                        |                            |
|-----------------------|-----------------------------|------------------------|----------------------------|
| Project Name: SVP DVR | Project Number: PROJ-042969 | CEMS Operator: N.PATEL | Unit/Condition: UNIT 1 MAX |
| Run Length: 21        | Record Interval: 6          | Average Interval: 60   | Triplicate Sampling: False |
| Traverse: True        | Ports: 1                    | Points per port: 3     | DAQ Device: DT9803(01)     |

### Run 10 Post run bias - RUN 10 1439-1500

14:33:00 - 14:54:00

|                    |            |             |           |            |  |  |  |  |
|--------------------|------------|-------------|-----------|------------|--|--|--|--|
| <b>Name:</b>       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) | NOX (NO-2) |  |  |  |  |
| <b>Make/Model:</b> |            |             |           |            |  |  |  |  |
| <b>25A or 7E:</b>  | 7E         | 7E          | 7E        | 7E         |  |  |  |  |

#### Run summary data

|                 |       |       |       |       |  |  |  |  |
|-----------------|-------|-------|-------|-------|--|--|--|--|
| <b>Raw Avg:</b> | 12.91 | 4.516 | 1.304 | 2.312 |  |  |  |  |
| <b>Max:</b>     | 12.92 | 4.520 | 1.329 | 2.359 |  |  |  |  |
| <b>Min:</b>     | 12.90 | 4.513 | 1.289 | 2.279 |  |  |  |  |

#### Cylinder Concentrations

|              |       |       |       |       |  |  |  |  |
|--------------|-------|-------|-------|-------|--|--|--|--|
| <b>Zero:</b> | 0.000 | 0.000 | 0.000 | 0.000 |  |  |  |  |
| <b>Low:</b>  |       |       |       |       |  |  |  |  |
| <b>Mid:</b>  | 11.61 | 3.985 | 2.496 | 2.488 |  |  |  |  |
| <b>High:</b> | 21.12 | 8.376 | 5.059 | 5.074 |  |  |  |  |

#### Calibration Readings

|                      |        |        |       |       |  |  |  |  |
|----------------------|--------|--------|-------|-------|--|--|--|--|
| <b>Zero reading:</b> | -0.020 | -0.070 | 0.021 | 0.010 |  |  |  |  |
| <b>Low reading:</b>  |        |        |       |       |  |  |  |  |
| <b>Mid reading:</b>  | 11.53  | 3.954  | 2.589 | 2.545 |  |  |  |  |
| <b>High reading:</b> | 21.02  | 8.397  | 5.061 | 5.067 |  |  |  |  |

#### EPA Method 7E Error Calculations

|                   |      |        |        |       |        |  |  |  |
|-------------------|------|--------|--------|-------|--------|--|--|--|
| <b>Zero %Err:</b> | <2.0 | -0.095 | -0.836 | 0.415 | 0.197  |  |  |  |
| <b>Mid %Err:</b>  | <2.0 | -0.379 | -0.370 | 1.838 | 1.123  |  |  |  |
| <b>High %Err:</b> | <2.0 | -0.473 | 0.251  | 0.040 | -0.138 |  |  |  |

#### Initial Bias Data

|                      |       |        |       |       |        |  |  |  |
|----------------------|-------|--------|-------|-------|--------|--|--|--|
| <b>Zero reading:</b> | 0.047 | -0.046 | 0.091 | 0.002 |        |  |  |  |
| <b>Span reading:</b> | 11.48 | 3.954  | 2.595 | 2.371 |        |  |  |  |
| <b>Zero % bias:</b>  | <5.0  | 0.317  | 0.287 | 1.384 | -0.158 |  |  |  |
| <b>Span % bias:</b>  | <5.0  | -0.237 | 0.000 | 0.119 | -3.429 |  |  |  |

#### Final Bias Data

|                      |       |        |       |        |        |  |  |  |
|----------------------|-------|--------|-------|--------|--------|--|--|--|
| <b>Zero reading:</b> | 0.067 | -0.016 | 0.044 | 0.002  |        |  |  |  |
| <b>Span reading:</b> | 11.49 | 3.963  | 2.577 | 2.329  |        |  |  |  |
| <b>Zero % bias:</b>  | <5.0  | 0.412  | 0.645 | 0.455  | -0.158 |  |  |  |
| <b>Span % bias:</b>  | <5.0  | -0.189 | 0.107 | -0.237 | -4.257 |  |  |  |
| <b>Zero % drift:</b> | <3.0  | 0.095  | 0.358 | 0.929  | 0.000  |  |  |  |
| <b>Span % drift:</b> | <3.0  | 0.048  | 0.107 | 0.356  | 0.828  |  |  |  |

#### Bias Corrected Averages

|                 |       |       |       |       |  |  |  |  |
|-----------------|-------|-------|-------|-------|--|--|--|--|
| <b>Cor Avg:</b> | 13.06 | 4.542 | 1.225 | 2.448 |  |  |  |  |
|-----------------|-------|-------|-------|-------|--|--|--|--|



| MAQDAQ 1.0            |                             |                        |                            |
|-----------------------|-----------------------------|------------------------|----------------------------|
| Project Name: SVP DVR | Project Number: PROJ-042969 | CEMS Operator: N.PATEL | Unit/Condition: UNIT 1 MIN |
| Run Length: 30        | Record Interval: 6          | Average Interval: 60   | Triplicate Sampling: False |
| Traverse: True        | Ports: 1                    | Points per port: 3     | DAQ Device: DT9803(01)     |

### Run 1 Average Results - RUN 1 0727-0757

07:21:00 - 07:51:00

|                       | Name:       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) |  |  |  |  |  |
|-----------------------|-------------|------------|-------------|-----------|--|--|--|--|--|
|                       | Make/Model: |            |             |           |  |  |  |  |  |
| Jul 17 2024           | 07:22:00    | 15.42      | 2.939       | 1.266     |  |  |  |  |  |
| Jul 17 2024           | 07:23:00    | 15.42      | 2.940       | 1.253     |  |  |  |  |  |
| Jul 17 2024           | 07:24:00    | 15.42      | 2.937       | 1.248     |  |  |  |  |  |
| Jul 17 2024           | 07:25:00    | 15.42      | 2.937       | 1.235     |  |  |  |  |  |
| Jul 17 2024           | 07:26:00    | 15.42      | 2.936       | 1.256     |  |  |  |  |  |
| Jul 17 2024           | 07:27:00    | 15.42      | 2.934       | 1.262     |  |  |  |  |  |
| Jul 17 2024           | 07:28:00    | 15.42      | 2.933       | 1.253     |  |  |  |  |  |
| Jul 17 2024           | 07:29:00    | 15.42      | 2.929       | 1.273     |  |  |  |  |  |
| Jul 17 2024           | 07:30:00    | 15.41      | 2.932       | 1.277     |  |  |  |  |  |
| Jul 17 2024           | 07:31:00    | 15.41      | 2.928       | 1.273     |  |  |  |  |  |
| End of port 1 point 1 |             |            |             |           |  |  |  |  |  |
| Jul 17 2024           | 07:32:00    | 15.42      | 2.930       | 1.289     |  |  |  |  |  |
| Jul 17 2024           | 07:33:00    | 15.43      | 2.925       | 1.264     |  |  |  |  |  |
| Jul 17 2024           | 07:34:00    | 15.42      | 2.924       | 1.268     |  |  |  |  |  |
| Jul 17 2024           | 07:35:00    | 15.42      | 2.923       | 1.271     |  |  |  |  |  |
| Jul 17 2024           | 07:36:00    | 15.43      | 2.924       | 1.274     |  |  |  |  |  |
| Jul 17 2024           | 07:37:00    | 15.42      | 2.923       | 1.277     |  |  |  |  |  |
| Jul 17 2024           | 07:38:00    | 15.42      | 2.921       | 1.279     |  |  |  |  |  |
| Jul 17 2024           | 07:39:00    | 15.42      | 2.920       | 1.269     |  |  |  |  |  |
| Jul 17 2024           | 07:40:00    | 15.43      | 2.919       | 1.271     |  |  |  |  |  |
| Jul 17 2024           | 07:41:00    | 15.42      | 2.919       | 1.276     |  |  |  |  |  |
| End of port 1 point 2 |             |            |             |           |  |  |  |  |  |
| Jul 17 2024           | 07:42:00    | 15.42      | 2.916       | 1.285     |  |  |  |  |  |
| Jul 17 2024           | 07:43:00    | 15.43      | 2.916       | 1.277     |  |  |  |  |  |
| Jul 17 2024           | 07:44:00    | 15.43      | 2.914       | 1.277     |  |  |  |  |  |
| Jul 17 2024           | 07:45:00    | 15.42      | 2.917       | 1.282     |  |  |  |  |  |
| Jul 17 2024           | 07:46:00    | 15.43      | 2.914       | 1.294     |  |  |  |  |  |
| Jul 17 2024           | 07:47:00    | 15.44      | 2.914       | 1.282     |  |  |  |  |  |
| Jul 17 2024           | 07:48:00    | 15.42      | 2.912       | 1.280     |  |  |  |  |  |
| Jul 17 2024           | 07:49:00    | 15.43      | 2.911       | 1.296     |  |  |  |  |  |
| Jul 17 2024           | 07:50:00    | 15.43      | 2.914       | 1.292     |  |  |  |  |  |
| Jul 17 2024           | 07:51:00    | 15.41      | 2.909       | 1.276     |  |  |  |  |  |
| End of port 1 point 3 |             |            |             |           |  |  |  |  |  |
|                       | Average:    | 15.42      | 2.924       | 1.273     |  |  |  |  |  |
|                       | Max:        | 15.44      | 2.940       | 1.296     |  |  |  |  |  |
|                       | Min:        | 15.41      | 2.909       | 1.235     |  |  |  |  |  |

### Stratification Results

| Port | Point       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) |  |  |  |  |  |
|------|-------------|------------|-------------|-----------|--|--|--|--|--|
| 1    | 1           | 15.42      | 2.934       | 1.274     |  |  |  |  |  |
| 1    | 2           | 15.42      | 2.923       | 1.271     |  |  |  |  |  |
| 1    | 3           | 15.42      | 2.914       | 1.287     |  |  |  |  |  |
|      | Strat diff: | 0.000      | 0.010       | 0.010     |  |  |  |  |  |
|      | Strat %:    | 0.000      | 0.353       | 0.757     |  |  |  |  |  |



## MAQDAQ 1.0

|                       |                             |                        |                            |
|-----------------------|-----------------------------|------------------------|----------------------------|
| Project Name: SVP DVR | Project Number: PROJ-042969 | CEMS Operator: N.PATEL | Unit/Condition: UNIT 1 MIN |
| Run Length: 30        | Record Interval: 6          | Average Interval: 60   | Triplicate Sampling: False |
| Traverse: True        | Ports: 1                    | Points per port: 3     | DAQ Device: DT9803(01)     |

### Run 1 Post run bias - RUN 1 0727-0757

07:21:00 - 07:51:00

|             |            |             |           |  |  |  |  |  |
|-------------|------------|-------------|-----------|--|--|--|--|--|
| Name:       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) |  |  |  |  |  |
| Make/Model: |            |             |           |  |  |  |  |  |
| 25A or 7E:  | 7E         | 7E          | 7E        |  |  |  |  |  |

#### Run summary data

|          |       |       |       |  |  |  |  |  |
|----------|-------|-------|-------|--|--|--|--|--|
| Raw Avg: | 15.42 | 2.924 | 1.273 |  |  |  |  |  |
| Max:     | 15.44 | 2.940 | 1.296 |  |  |  |  |  |
| Min:     | 15.41 | 2.909 | 1.235 |  |  |  |  |  |

#### Cylinder Concentrations

|       |       |       |       |  |  |  |  |  |
|-------|-------|-------|-------|--|--|--|--|--|
| Zero: | 0.000 | 0.000 | 0.000 |  |  |  |  |  |
| Low:  |       |       |       |  |  |  |  |  |
| Mid:  | 11.61 | 3.985 | 2.496 |  |  |  |  |  |
| High: | 21.12 | 8.376 | 5.059 |  |  |  |  |  |

#### Calibration Readings

|               |       |       |       |  |  |  |  |  |
|---------------|-------|-------|-------|--|--|--|--|--|
| Zero reading: | 0.002 | 0.003 | 0.001 |  |  |  |  |  |
| Low reading:  |       |       |       |  |  |  |  |  |
| Mid reading:  | 11.52 | 3.980 | 2.583 |  |  |  |  |  |
| High reading: | 21.05 | 8.383 | 5.073 |  |  |  |  |  |

#### EPA Method 7E Error Calculations

|            |      |        |        |       |  |  |  |  |
|------------|------|--------|--------|-------|--|--|--|--|
| Zero %Err: | <2.0 | 0.009  | 0.036  | 0.020 |  |  |  |  |
| Mid %Err:  | <2.0 | -0.426 | -0.060 | 1.720 |  |  |  |  |
| High %Err: | <2.0 | -0.331 | 0.084  | 0.277 |  |  |  |  |

#### Initial Bias Data

|               |       |        |        |       |  |  |  |  |
|---------------|-------|--------|--------|-------|--|--|--|--|
| Zero reading: | 0.054 | 0.017  | 0.080  |       |  |  |  |  |
| Span reading: | 11.49 | 3.944  | 2.589  |       |  |  |  |  |
| Zero % bias:  | <5.0  | 0.246  | 0.167  | 1.562 |  |  |  |  |
| Span % bias:  | <5.0  | -0.142 | -0.430 | 0.119 |  |  |  |  |

#### Final Bias Data

|               |        |        |        |       |  |  |  |  |
|---------------|--------|--------|--------|-------|--|--|--|--|
| Zero reading: | -0.089 | -0.035 | 0.213  |       |  |  |  |  |
| Span reading: | 11.32  | 3.869  | 2.703  |       |  |  |  |  |
| Zero % bias:  | <5.0   | -0.431 | -0.454 | 4.191 |  |  |  |  |
| Span % bias:  | <5.0   | -0.947 | -1.325 | 2.372 |  |  |  |  |
| Zero % drift: | <3.0   | 0.677  | 0.621  | 2.629 |  |  |  |  |
| Span % drift: | <3.0   | 0.805  | 0.895  | 2.253 |  |  |  |  |

#### Bias Corrected Averages

|          |       |       |       |  |  |  |  |  |
|----------|-------|-------|-------|--|--|--|--|--|
| Cor Avg: | 15.69 | 2.985 | 1.125 |  |  |  |  |  |
|----------|-------|-------|-------|--|--|--|--|--|



| MAQDAQ 1.0            |                             |                        |                            |
|-----------------------|-----------------------------|------------------------|----------------------------|
| Project Name: SVP DVR | Project Number: PROJ-042969 | CEMS Operator: N.PATEL | Unit/Condition: UNIT 1 MIN |
| Run Length: 30        | Record Interval: 6          | Average Interval: 60   | Triplicate Sampling: False |
| Traverse: True        | Ports: 1                    | Points per port: 3     | DAQ Device: DT9803(01)     |

### Run 2 Average Results - RUN 2 0804-0834

07:58:00 - 08:28:00

|                       | Name:       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) |  |  |  |  |  |
|-----------------------|-------------|------------|-------------|-----------|--|--|--|--|--|
|                       | Make/Model: |            |             |           |  |  |  |  |  |
| Jul 17 2024           | 07:59:00    | 15.43      | 2.912       | 1.249     |  |  |  |  |  |
| Jul 17 2024           | 08:00:00    | 15.42      | 2.909       | 1.267     |  |  |  |  |  |
| Jul 17 2024           | 08:01:00    | 15.43      | 2.914       | 1.271     |  |  |  |  |  |
| Jul 17 2024           | 08:02:00    | 15.41      | 2.911       | 1.254     |  |  |  |  |  |
| Jul 17 2024           | 08:03:00    | 15.42      | 2.915       | 1.245     |  |  |  |  |  |
| Jul 17 2024           | 08:04:00    | 15.43      | 2.910       | 1.238     |  |  |  |  |  |
| Jul 17 2024           | 08:05:00    | 15.42      | 2.913       | 1.238     |  |  |  |  |  |
| Jul 17 2024           | 08:06:00    | 15.43      | 2.910       | 1.234     |  |  |  |  |  |
| Jul 17 2024           | 08:07:00    | 15.42      | 2.912       | 1.221     |  |  |  |  |  |
| Jul 17 2024           | 08:08:00    | 15.42      | 2.910       | 1.232     |  |  |  |  |  |
| End of port 1 point 1 |             |            |             |           |  |  |  |  |  |
| Jul 17 2024           | 08:09:00    | 15.42      | 2.909       | 1.235     |  |  |  |  |  |
| Jul 17 2024           | 08:10:00    | 15.43      | 2.912       | 1.233     |  |  |  |  |  |
| Jul 17 2024           | 08:11:00    | 15.42      | 2.910       | 1.224     |  |  |  |  |  |
| Jul 17 2024           | 08:12:00    | 15.43      | 2.912       | 1.231     |  |  |  |  |  |
| Jul 17 2024           | 08:13:00    | 15.42      | 2.909       | 1.220     |  |  |  |  |  |
| Jul 17 2024           | 08:14:00    | 15.43      | 2.908       | 1.212     |  |  |  |  |  |
| Jul 17 2024           | 08:15:00    | 15.44      | 2.900       | 1.230     |  |  |  |  |  |
| Jul 17 2024           | 08:16:00    | 15.43      | 2.902       | 1.222     |  |  |  |  |  |
| Jul 17 2024           | 08:17:00    | 15.43      | 2.901       | 1.233     |  |  |  |  |  |
| Jul 17 2024           | 08:18:00    | 15.43      | 2.900       | 1.226     |  |  |  |  |  |
| End of port 1 point 2 |             |            |             |           |  |  |  |  |  |
| Jul 17 2024           | 08:19:00    | 15.43      | 2.898       | 1.237     |  |  |  |  |  |
| Jul 17 2024           | 08:20:00    | 15.44      | 2.898       | 1.244     |  |  |  |  |  |
| Jul 17 2024           | 08:21:00    | 15.43      | 2.898       | 1.239     |  |  |  |  |  |
| Jul 17 2024           | 08:22:00    | 15.44      | 2.895       | 1.238     |  |  |  |  |  |
| Jul 17 2024           | 08:23:00    | 15.43      | 2.897       | 1.224     |  |  |  |  |  |
| Jul 17 2024           | 08:24:00    | 15.43      | 2.894       | 1.223     |  |  |  |  |  |
| Jul 17 2024           | 08:25:00    | 15.43      | 2.895       | 1.231     |  |  |  |  |  |
| Jul 17 2024           | 08:26:00    | 15.43      | 2.892       | 1.225     |  |  |  |  |  |
| Jul 17 2024           | 08:27:00    | 15.43      | 2.893       | 1.229     |  |  |  |  |  |
| Jul 17 2024           | 08:28:00    | 15.42      | 2.893       | 1.229     |  |  |  |  |  |
| End of port 1 point 3 |             |            |             |           |  |  |  |  |  |
|                       | Average:    | 15.43      | 2.904       | 1.234     |  |  |  |  |  |
|                       | Max:        | 15.44      | 2.915       | 1.271     |  |  |  |  |  |
|                       | Min:        | 15.41      | 2.892       | 1.212     |  |  |  |  |  |

### Stratification Results

| Port | Point       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) |  |  |  |  |  |
|------|-------------|------------|-------------|-----------|--|--|--|--|--|
| 1    | 1           | 15.43      | 2.913       | 1.244     |  |  |  |  |  |
| 1    | 2           | 15.42      | 2.906       | 1.224     |  |  |  |  |  |
| 1    | 3           | 15.43      | 2.896       | 1.237     |  |  |  |  |  |
|      | Strat diff: | 0.003      | 0.008       | 0.009     |  |  |  |  |  |
|      | Strat %:    | 0.043      | 0.310       | 0.891     |  |  |  |  |  |



## MAQDAQ 1.0

|                       |                             |                        |                            |
|-----------------------|-----------------------------|------------------------|----------------------------|
| Project Name: SVP DVR | Project Number: PROJ-042969 | CEMS Operator: N.PATEL | Unit/Condition: UNIT 1 MIN |
| Run Length: 30        | Record Interval: 6          | Average Interval: 60   | Triplicate Sampling: False |
| Traverse: True        | Ports: 1                    | Points per port: 3     | DAQ Device: DT9803(01)     |

### Run 2 Post run bias - RUN 2 0804-0834

07:58:00 - 08:28:00

|                    |            |             |           |  |  |  |  |  |
|--------------------|------------|-------------|-----------|--|--|--|--|--|
| <b>Name:</b>       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) |  |  |  |  |  |
| <b>Make/Model:</b> |            |             |           |  |  |  |  |  |
| <b>25A or 7E:</b>  | 7E         | 7E          | 7E        |  |  |  |  |  |

#### Run summary data

|                 |       |       |       |  |  |  |  |  |
|-----------------|-------|-------|-------|--|--|--|--|--|
| <b>Raw Avg:</b> | 15.43 | 2.904 | 1.234 |  |  |  |  |  |
| <b>Max:</b>     | 15.44 | 2.915 | 1.271 |  |  |  |  |  |
| <b>Min:</b>     | 15.41 | 2.892 | 1.212 |  |  |  |  |  |

#### Cylinder Concentrations

|              |       |       |       |  |  |  |  |  |
|--------------|-------|-------|-------|--|--|--|--|--|
| <b>Zero:</b> | 0.000 | 0.000 | 0.000 |  |  |  |  |  |
| <b>Low:</b>  |       |       |       |  |  |  |  |  |
| <b>Mid:</b>  | 11.61 | 3.985 | 2.496 |  |  |  |  |  |
| <b>High:</b> | 21.12 | 8.376 | 5.059 |  |  |  |  |  |

#### Calibration Readings

|                      |       |       |       |  |  |  |  |  |
|----------------------|-------|-------|-------|--|--|--|--|--|
| <b>Zero reading:</b> | 0.002 | 0.003 | 0.001 |  |  |  |  |  |
| <b>Low reading:</b>  |       |       |       |  |  |  |  |  |
| <b>Mid reading:</b>  | 11.52 | 3.980 | 2.583 |  |  |  |  |  |
| <b>High reading:</b> | 21.05 | 8.383 | 5.073 |  |  |  |  |  |

#### EPA Method 7E Error Calculations

|                   |      |        |        |       |  |  |  |  |
|-------------------|------|--------|--------|-------|--|--|--|--|
| <b>Zero %Err:</b> | <2.0 | 0.009  | 0.036  | 0.020 |  |  |  |  |
| <b>Mid %Err:</b>  | <2.0 | -0.426 | -0.060 | 1.720 |  |  |  |  |
| <b>High %Err:</b> | <2.0 | -0.331 | 0.084  | 0.277 |  |  |  |  |

#### Initial Bias Data

|                      |        |        |        |       |  |  |  |  |
|----------------------|--------|--------|--------|-------|--|--|--|--|
| <b>Zero reading:</b> | -0.089 | -0.035 | 0.213  |       |  |  |  |  |
| <b>Span reading:</b> | 11.32  | 3.869  | 2.703  |       |  |  |  |  |
| <b>Zero % bias:</b>  | <5.0   | -0.431 | -0.454 | 4.191 |  |  |  |  |
| <b>Span % bias:</b>  | <5.0   | -0.947 | -1.325 | 2.372 |  |  |  |  |

#### Final Bias Data

|                      |        |        |        |       |  |  |  |  |
|----------------------|--------|--------|--------|-------|--|--|--|--|
| <b>Zero reading:</b> | -0.064 | -0.036 | 0.213  |       |  |  |  |  |
| <b>Span reading:</b> | 11.35  | 3.845  | 2.667  |       |  |  |  |  |
| <b>Zero % bias:</b>  | <5.0   | -0.313 | -0.466 | 4.191 |  |  |  |  |
| <b>Span % bias:</b>  | <5.0   | -0.805 | -1.612 | 1.660 |  |  |  |  |
| <b>Zero % drift:</b> | <3.0   | 0.118  | 0.012  | 0.000 |  |  |  |  |
| <b>Span % drift:</b> | <3.0   | 0.142  | 0.287  | 0.712 |  |  |  |  |

#### Bias Corrected Averages

|                 |       |       |       |  |  |  |  |  |
|-----------------|-------|-------|-------|--|--|--|--|--|
| <b>Cor Avg:</b> | 15.78 | 3.009 | 1.031 |  |  |  |  |  |
|-----------------|-------|-------|-------|--|--|--|--|--|



| MAQDAQ 1.0            |                             |                        |                            |
|-----------------------|-----------------------------|------------------------|----------------------------|
| Project Name: SVP DVR | Project Number: PROJ-042969 | CEMS Operator: N.PATEL | Unit/Condition: UNIT 1 MIN |
| Run Length: 30        | Record Interval: 6          | Average Interval: 60   | Triplicate Sampling: False |
| Traverse: True        | Ports: 1                    | Points per port: 3     | DAQ Device: DT9803(01)     |

| Run 3 Average Results - RUN 3 0843-0913 |             |            |             |           |  |  |  |  |
|-----------------------------------------|-------------|------------|-------------|-----------|--|--|--|--|
| 08:37:00 - 09:07:00                     |             |            |             |           |  |  |  |  |
|                                         | Name:       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) |  |  |  |  |
|                                         | Make/Model: |            |             |           |  |  |  |  |
| Jul 17 2024                             | 08:38:00    | 15.41      | 2.880       | 1.250     |  |  |  |  |
| Jul 17 2024                             | 08:39:00    | 15.41      | 2.880       | 1.256     |  |  |  |  |
| Jul 17 2024                             | 08:40:00    | 15.41      | 2.879       | 1.259     |  |  |  |  |
| Jul 17 2024                             | 08:41:00    | 15.41      | 2.880       | 1.258     |  |  |  |  |
| Jul 17 2024                             | 08:42:00    | 15.40      | 2.878       | 1.256     |  |  |  |  |
| Jul 17 2024                             | 08:43:00    | 15.40      | 2.883       | 1.267     |  |  |  |  |
| Jul 17 2024                             | 08:44:00    | 15.41      | 2.878       | 1.279     |  |  |  |  |
| Jul 17 2024                             | 08:45:00    | 15.42      | 2.879       | 1.282     |  |  |  |  |
| Jul 17 2024                             | 08:46:00    | 15.41      | 2.877       | 1.280     |  |  |  |  |
| Jul 17 2024                             | 08:47:00    | 15.40      | 2.879       | 1.279     |  |  |  |  |
| End of port 1 point 1                   |             |            |             |           |  |  |  |  |
| Jul 17 2024                             | 08:48:00    | 15.41      | 2.877       | 1.260     |  |  |  |  |
| Jul 17 2024                             | 08:49:00    | 15.41      | 2.882       | 1.289     |  |  |  |  |
| Jul 17 2024                             | 08:50:00    | 15.41      | 2.880       | 1.277     |  |  |  |  |
| Jul 17 2024                             | 08:51:00    | 15.41      | 2.880       | 1.268     |  |  |  |  |
| Jul 17 2024                             | 08:52:00    | 15.41      | 2.880       | 1.287     |  |  |  |  |
| Jul 17 2024                             | 08:53:00    | 15.41      | 2.879       | 1.270     |  |  |  |  |
| Jul 17 2024                             | 08:54:00    | 15.41      | 2.882       | 1.277     |  |  |  |  |
| Jul 17 2024                             | 08:55:00    | 15.40      | 2.879       | 1.283     |  |  |  |  |
| Jul 17 2024                             | 08:56:00    | 15.41      | 2.880       | 1.295     |  |  |  |  |
| Jul 17 2024                             | 08:57:00    | 15.41      | 2.879       | 1.281     |  |  |  |  |
| End of port 1 point 2                   |             |            |             |           |  |  |  |  |
| Jul 17 2024                             | 08:58:00    | 15.42      | 2.883       | 1.287     |  |  |  |  |
| Jul 17 2024                             | 08:59:00    | 15.41      | 2.883       | 1.285     |  |  |  |  |
| Jul 17 2024                             | 09:00:00    | 15.43      | 2.884       | 1.275     |  |  |  |  |
| Jul 17 2024                             | 09:01:00    | 15.41      | 2.882       | 1.279     |  |  |  |  |
| Jul 17 2024                             | 09:02:00    | 15.41      | 2.883       | 1.282     |  |  |  |  |
| Jul 17 2024                             | 09:03:00    | 15.41      | 2.882       | 1.268     |  |  |  |  |
| Jul 17 2024                             | 09:04:00    | 15.41      | 2.884       | 1.267     |  |  |  |  |
| Jul 17 2024                             | 09:05:00    | 15.41      | 2.886       | 1.272     |  |  |  |  |
| Jul 17 2024                             | 09:06:00    | 15.41      | 2.883       | 1.312     |  |  |  |  |
| Jul 17 2024                             | 09:07:00    | 15.42      | 2.885       | 1.277     |  |  |  |  |
| End of port 1 point 3                   |             |            |             |           |  |  |  |  |
|                                         | Average:    | 15.41      | 2.881       | 1.275     |  |  |  |  |
|                                         | Max:        | 15.43      | 2.886       | 1.312     |  |  |  |  |
|                                         | Min:        | 15.40      | 2.877       | 1.250     |  |  |  |  |

| Stratification Results |             |            |             |           |  |  |  |  |
|------------------------|-------------|------------|-------------|-----------|--|--|--|--|
| Port                   | Point       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) |  |  |  |  |
| 1                      | 1           | 15.41      | 2.880       | 1.259     |  |  |  |  |
| 1                      | 2           | 15.41      | 2.882       | 1.281     |  |  |  |  |
| 1                      | 3           | 15.41      | 2.884       | 1.277     |  |  |  |  |
|                        | Strat diff: | 0.000      | 0.002       | 0.009     |  |  |  |  |
|                        | Strat %:    | 0.000      | 0.069       | 1.048     |  |  |  |  |



# MAQDAQ 1.0

|                       |                             |                        |                            |
|-----------------------|-----------------------------|------------------------|----------------------------|
| Project Name: SVP DVR | Project Number: PROJ-042969 | CEMS Operator: N.PATEL | Unit/Condition: UNIT 1 MIN |
| Run Length: 30        | Record Interval: 6          | Average Interval: 60   | Triplicate Sampling: False |
| Traverse: True        | Ports: 1                    | Points per port: 3     | DAQ Device: DT9803(01)     |

## Run 3 Post run bias - RUN 3 0843-0913

08:37:00 - 09:07:00

|                    |            |             |           |  |  |  |  |  |
|--------------------|------------|-------------|-----------|--|--|--|--|--|
| <b>Name:</b>       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) |  |  |  |  |  |
| <b>Make/Model:</b> |            |             |           |  |  |  |  |  |
| <b>25A or 7E:</b>  | 7E         | 7E          | 7E        |  |  |  |  |  |

### Run summary data

|                 |       |       |       |  |  |  |  |  |
|-----------------|-------|-------|-------|--|--|--|--|--|
| <b>Raw Avg:</b> | 15.41 | 2.881 | 1.275 |  |  |  |  |  |
| <b>Max:</b>     | 15.43 | 2.886 | 1.312 |  |  |  |  |  |
| <b>Min:</b>     | 15.40 | 2.877 | 1.250 |  |  |  |  |  |

### Cylinder Concentrations

|              |       |       |       |  |  |  |  |  |
|--------------|-------|-------|-------|--|--|--|--|--|
| <b>Zero:</b> | 0.000 | 0.000 | 0.000 |  |  |  |  |  |
| <b>Low:</b>  |       |       |       |  |  |  |  |  |
| <b>Mid:</b>  | 11.61 | 3.985 | 2.496 |  |  |  |  |  |
| <b>High:</b> | 21.12 | 8.376 | 5.059 |  |  |  |  |  |

### Calibration Readings

|                      |       |       |       |  |  |  |  |  |
|----------------------|-------|-------|-------|--|--|--|--|--|
| <b>Zero reading:</b> | 0.002 | 0.003 | 0.001 |  |  |  |  |  |
| <b>Low reading:</b>  |       |       |       |  |  |  |  |  |
| <b>Mid reading:</b>  | 11.52 | 3.980 | 2.583 |  |  |  |  |  |
| <b>High reading:</b> | 21.05 | 8.383 | 5.073 |  |  |  |  |  |

### EPA Method 7E Error Calculations

|                   |      |        |        |       |  |  |  |  |
|-------------------|------|--------|--------|-------|--|--|--|--|
| <b>Zero %Err:</b> | <2.0 | 0.009  | 0.036  | 0.020 |  |  |  |  |
| <b>Mid %Err:</b>  | <2.0 | -0.426 | -0.060 | 1.720 |  |  |  |  |
| <b>High %Err:</b> | <2.0 | -0.331 | 0.084  | 0.277 |  |  |  |  |

### Initial Bias Data

|                      |        |        |        |       |  |  |  |  |
|----------------------|--------|--------|--------|-------|--|--|--|--|
| <b>Zero reading:</b> | -0.064 | -0.036 | 0.213  |       |  |  |  |  |
| <b>Span reading:</b> | 11.35  | 3.845  | 2.667  |       |  |  |  |  |
| <b>Zero % bias:</b>  | <5.0   | -0.313 | -0.466 | 4.191 |  |  |  |  |
| <b>Span % bias:</b>  | <5.0   | -0.805 | -1.612 | 1.660 |  |  |  |  |

### Final Bias Data

|                      |        |        |        |       |  |  |  |  |
|----------------------|--------|--------|--------|-------|--|--|--|--|
| <b>Zero reading:</b> | -0.082 | -0.056 | 0.200  |       |  |  |  |  |
| <b>Span reading:</b> | 11.34  | 3.852  | 2.667  |       |  |  |  |  |
| <b>Zero % bias:</b>  | <5.0   | -0.398 | -0.704 | 3.934 |  |  |  |  |
| <b>Span % bias:</b>  | <5.0   | -0.852 | -1.528 | 1.660 |  |  |  |  |
| <b>Zero % drift:</b> | <3.0   | 0.085  | 0.238  | 0.257 |  |  |  |  |
| <b>Span % drift:</b> | <3.0   | 0.047  | 0.084  | 0.000 |  |  |  |  |

### Bias Corrected Averages

|                 |       |       |       |  |  |  |  |  |
|-----------------|-------|-------|-------|--|--|--|--|--|
| <b>Cor Avg:</b> | 15.74 | 2.995 | 1.084 |  |  |  |  |  |
|-----------------|-------|-------|-------|--|--|--|--|--|



| MAQDAQ 1.0            |                             |                        |                             |
|-----------------------|-----------------------------|------------------------|-----------------------------|
| Project Name: SVP DVR | Project Number: PROJ-042969 | CEMS Operator: N.PATEL | Unit/Condition: UNIT 2 BASE |
| Run Length: 30        | Record Interval: 6          | Average Interval: 60   | Triplicate Sampling: False  |
| Traverse: True        | Ports: 1                    | Points per port: 3     | DAQ Device: DT9803(01)      |

| Run 4 Average Results - RUN 1 1020-1050 |             |            |             |  |  |  |  |  |
|-----------------------------------------|-------------|------------|-------------|--|--|--|--|--|
| 10:14:00 - 10:44:00                     |             |            |             |  |  |  |  |  |
|                                         | Name:       | O2 (OX-10) | CO2 (CD-10) |  |  |  |  |  |
|                                         | Make/Model: |            |             |  |  |  |  |  |
| Jul 17 2024                             | 10:15:00    | 14.01      | 3.679       |  |  |  |  |  |
| Jul 17 2024                             | 10:16:00    | 14.02      | 3.675       |  |  |  |  |  |
| Jul 17 2024                             | 10:17:00    | 14.02      | 3.675       |  |  |  |  |  |
| Jul 17 2024                             | 10:18:00    | 14.02      | 3.670       |  |  |  |  |  |
| Jul 17 2024                             | 10:19:00    | 14.02      | 3.672       |  |  |  |  |  |
| Jul 17 2024                             | 10:20:00    | 14.02      | 3.673       |  |  |  |  |  |
| Jul 17 2024                             | 10:21:00    | 14.02      | 3.670       |  |  |  |  |  |
| Jul 17 2024                             | 10:22:00    | 14.01      | 3.671       |  |  |  |  |  |
| Jul 17 2024                             | 10:23:00    | 14.02      | 3.665       |  |  |  |  |  |
| Jul 17 2024                             | 10:24:00    | 14.01      | 3.667       |  |  |  |  |  |
| End of port 1 point 1                   |             |            |             |  |  |  |  |  |
| Jul 17 2024                             | 10:25:00    | 14.01      | 3.665       |  |  |  |  |  |
| Jul 17 2024                             | 10:26:00    | 14.02      | 3.668       |  |  |  |  |  |
| Jul 17 2024                             | 10:27:00    | 14.03      | 3.663       |  |  |  |  |  |
| Jul 17 2024                             | 10:28:00    | 14.03      | 3.661       |  |  |  |  |  |
| Jul 17 2024                             | 10:29:00    | 14.03      | 3.660       |  |  |  |  |  |
| Jul 17 2024                             | 10:30:00    | 14.05      | 3.657       |  |  |  |  |  |
| Jul 17 2024                             | 10:31:00    | 14.04      | 3.660       |  |  |  |  |  |
| Jul 17 2024                             | 10:32:00    | 14.03      | 3.658       |  |  |  |  |  |
| Jul 17 2024                             | 10:33:00    | 14.03      | 3.658       |  |  |  |  |  |
| Jul 17 2024                             | 10:34:00    | 14.02      | 3.658       |  |  |  |  |  |
| End of port 1 point 2                   |             |            |             |  |  |  |  |  |
| Jul 17 2024                             | 10:35:00    | 14.02      | 3.660       |  |  |  |  |  |
| Jul 17 2024                             | 10:36:00    | 14.02      | 3.656       |  |  |  |  |  |
| Jul 17 2024                             | 10:37:00    | 14.01      | 3.659       |  |  |  |  |  |
| Jul 17 2024                             | 10:38:00    | 14.01      | 3.659       |  |  |  |  |  |
| Jul 17 2024                             | 10:39:00    | 14.01      | 3.660       |  |  |  |  |  |
| Jul 17 2024                             | 10:40:00    | 14.02      | 3.658       |  |  |  |  |  |
| Jul 17 2024                             | 10:41:00    | 14.02      | 3.657       |  |  |  |  |  |
| Jul 17 2024                             | 10:42:00    | 14.01      | 3.659       |  |  |  |  |  |
| Jul 17 2024                             | 10:43:00    | 14.02      | 3.657       |  |  |  |  |  |
| Jul 17 2024                             | 10:44:00    | 14.01      | 3.657       |  |  |  |  |  |
| End of port 1 point 3                   |             |            |             |  |  |  |  |  |
|                                         | Average:    | 14.02      | 3.664       |  |  |  |  |  |
|                                         | Max:        | 14.05      | 3.679       |  |  |  |  |  |
|                                         | Min:        | 14.01      | 3.656       |  |  |  |  |  |

| Stratification Results |             |            |             |  |  |  |  |  |
|------------------------|-------------|------------|-------------|--|--|--|--|--|
| Port                   | Point       | O2 (OX-10) | CO2 (CD-10) |  |  |  |  |  |
| 1                      | 1           | 14.02      | 3.672       |  |  |  |  |  |
| 1                      | 2           | 14.03      | 3.659       |  |  |  |  |  |
| 1                      | 3           | 14.02      | 3.659       |  |  |  |  |  |
|                        | Strat diff: | 0.007      | 0.009       |  |  |  |  |  |
|                        | Strat %:    | 0.048      | 0.237       |  |  |  |  |  |



## MAQDAQ 1.0

|                       |                             |                        |                             |
|-----------------------|-----------------------------|------------------------|-----------------------------|
| Project Name: SVP DVR | Project Number: PROJ-042969 | CEMS Operator: N.PATEL | Unit/Condition: UNIT 2 BASE |
| Run Length: 30        | Record Interval: 6          | Average Interval: 60   | Triplicate Sampling: False  |
| Traverse: True        | Ports: 1                    | Points per port: 3     | DAQ Device: DT9803(01)      |

### Run 4 Post run bias - RUN 1 1020-1050

10:14:00 - 10:44:00

|                    |            |             |  |  |  |  |  |  |
|--------------------|------------|-------------|--|--|--|--|--|--|
| <b>Name:</b>       | O2 (OX-10) | CO2 (CD-10) |  |  |  |  |  |  |
| <b>Make/Model:</b> |            |             |  |  |  |  |  |  |
| <b>25A or 7E:</b>  | 7E         | 7E          |  |  |  |  |  |  |

#### Run summary data

|                 |       |       |  |  |  |  |  |  |
|-----------------|-------|-------|--|--|--|--|--|--|
| <b>Raw Avg:</b> | 14.02 | 3.664 |  |  |  |  |  |  |
| <b>Max:</b>     | 14.05 | 3.679 |  |  |  |  |  |  |
| <b>Min:</b>     | 14.01 | 3.656 |  |  |  |  |  |  |

#### Cylinder Concentrations

|              |       |       |  |  |  |  |  |  |
|--------------|-------|-------|--|--|--|--|--|--|
| <b>Zero:</b> | 0.000 | 0.000 |  |  |  |  |  |  |
| <b>Low:</b>  |       |       |  |  |  |  |  |  |
| <b>Mid:</b>  | 11.61 | 3.985 |  |  |  |  |  |  |
| <b>High:</b> | 21.12 | 8.376 |  |  |  |  |  |  |

#### Calibration Readings

|                      |       |       |  |  |  |  |  |  |
|----------------------|-------|-------|--|--|--|--|--|--|
| <b>Zero reading:</b> | 0.002 | 0.003 |  |  |  |  |  |  |
| <b>Low reading:</b>  |       |       |  |  |  |  |  |  |
| <b>Mid reading:</b>  | 11.52 | 3.980 |  |  |  |  |  |  |
| <b>High reading:</b> | 21.05 | 8.383 |  |  |  |  |  |  |

#### EPA Method 7E Error Calculations

|                   |      |        |        |  |  |  |  |  |
|-------------------|------|--------|--------|--|--|--|--|--|
| <b>Zero %Err:</b> | <2.0 | 0.009  | 0.036  |  |  |  |  |  |
| <b>Mid %Err:</b>  | <2.0 | -0.426 | -0.060 |  |  |  |  |  |
| <b>High %Err:</b> | <2.0 | -0.331 | 0.084  |  |  |  |  |  |

#### Initial Bias Data

|                      |        |        |        |  |  |  |  |  |
|----------------------|--------|--------|--------|--|--|--|--|--|
| <b>Zero reading:</b> | -0.082 | -0.056 |        |  |  |  |  |  |
| <b>Span reading:</b> | 11.34  | 3.852  |        |  |  |  |  |  |
| <b>Zero % bias:</b>  | <5.0   | -0.398 | -0.704 |  |  |  |  |  |
| <b>Span % bias:</b>  | <5.0   | -0.852 | -1.528 |  |  |  |  |  |

#### Final Bias Data

|                      |        |        |        |  |  |  |  |  |
|----------------------|--------|--------|--------|--|--|--|--|--|
| <b>Zero reading:</b> | -0.093 | -0.053 |        |  |  |  |  |  |
| <b>Span reading:</b> | 11.31  | 3.819  |        |  |  |  |  |  |
| <b>Zero % bias:</b>  | <5.0   | -0.450 | -0.669 |  |  |  |  |  |
| <b>Span % bias:</b>  | <5.0   | -0.994 | -1.922 |  |  |  |  |  |
| <b>Zero % drift:</b> | <3.0   | 0.052  | 0.035  |  |  |  |  |  |
| <b>Span % drift:</b> | <3.0   | 0.142  | 0.394  |  |  |  |  |  |

#### Bias Corrected Averages

|                 |       |       |  |  |  |  |  |  |
|-----------------|-------|-------|--|--|--|--|--|--|
| <b>Cor Avg:</b> | 14.35 | 3.809 |  |  |  |  |  |  |
|-----------------|-------|-------|--|--|--|--|--|--|



| MAQDAQ 1.0            |                             |                        |                             |
|-----------------------|-----------------------------|------------------------|-----------------------------|
| Project Name: SVP DVR | Project Number: PROJ-042969 | CEMS Operator: N.PATEL | Unit/Condition: UNIT 2 BASE |
| Run Length: 30        | Record Interval: 6          | Average Interval: 60   | Triplicate Sampling: False  |
| Traverse: True        | Ports: 1                    | Points per port: 3     | DAQ Device: DT9803(01)      |

### Run 5 Average Results - RUN 2 1056-1126

10:50:00 - 11:20:00

|                       | Name:       | O2 (OX-10) | CO2 (CD-10) |  |  |  |  |  |  |
|-----------------------|-------------|------------|-------------|--|--|--|--|--|--|
|                       | Make/Model: |            |             |  |  |  |  |  |  |
| Jul 17 2024           | 10:51:00    | 14.00      | 3.660       |  |  |  |  |  |  |
| Jul 17 2024           | 10:52:00    | 14.00      | 3.658       |  |  |  |  |  |  |
| Jul 17 2024           | 10:53:00    | 14.02      | 3.660       |  |  |  |  |  |  |
| Jul 17 2024           | 10:54:00    | 14.00      | 3.658       |  |  |  |  |  |  |
| Jul 17 2024           | 10:55:00    | 14.01      | 3.662       |  |  |  |  |  |  |
| Jul 17 2024           | 10:56:00    | 14.00      | 3.659       |  |  |  |  |  |  |
| Jul 17 2024           | 10:57:00    | 14.00      | 3.661       |  |  |  |  |  |  |
| Jul 17 2024           | 10:58:00    | 14.01      | 3.661       |  |  |  |  |  |  |
| Jul 17 2024           | 10:59:00    | 14.01      | 3.666       |  |  |  |  |  |  |
| Jul 17 2024           | 11:00:00    | 14.01      | 3.666       |  |  |  |  |  |  |
| End of port 1 point 1 |             |            |             |  |  |  |  |  |  |
| Jul 17 2024           | 11:01:00    | 14.00      | 3.661       |  |  |  |  |  |  |
| Jul 17 2024           | 11:02:00    | 14.02      | 3.657       |  |  |  |  |  |  |
| Jul 17 2024           | 11:03:00    | 14.00      | 3.661       |  |  |  |  |  |  |
| Jul 17 2024           | 11:04:00    | 13.99      | 3.662       |  |  |  |  |  |  |
| Jul 17 2024           | 11:05:00    | 14.01      | 3.660       |  |  |  |  |  |  |
| Jul 17 2024           | 11:06:00    | 14.01      | 3.663       |  |  |  |  |  |  |
| Jul 17 2024           | 11:07:00    | 14.01      | 3.661       |  |  |  |  |  |  |
| Jul 17 2024           | 11:08:00    | 14.00      | 3.667       |  |  |  |  |  |  |
| Jul 17 2024           | 11:09:00    | 14.00      | 3.666       |  |  |  |  |  |  |
| Jul 17 2024           | 11:10:00    | 14.00      | 3.666       |  |  |  |  |  |  |
| End of port 1 point 2 |             |            |             |  |  |  |  |  |  |
| Jul 17 2024           | 11:11:00    | 13.99      | 3.674       |  |  |  |  |  |  |
| Jul 17 2024           | 11:12:00    | 14.01      | 3.668       |  |  |  |  |  |  |
| Jul 17 2024           | 11:13:00    | 13.99      | 3.667       |  |  |  |  |  |  |
| Jul 17 2024           | 11:14:00    | 13.99      | 3.666       |  |  |  |  |  |  |
| Jul 17 2024           | 11:15:00    | 14.00      | 3.670       |  |  |  |  |  |  |
| Jul 17 2024           | 11:16:00    | 13.99      | 3.669       |  |  |  |  |  |  |
| Jul 17 2024           | 11:17:00    | 13.99      | 3.672       |  |  |  |  |  |  |
| Jul 17 2024           | 11:18:00    | 13.99      | 3.669       |  |  |  |  |  |  |
| Jul 17 2024           | 11:19:00    | 14.00      | 3.672       |  |  |  |  |  |  |
| Jul 17 2024           | 11:20:00    | 13.98      | 3.669       |  |  |  |  |  |  |
| End of port 1 point 3 |             |            |             |  |  |  |  |  |  |
|                       | Average:    | 14.00      | 3.664       |  |  |  |  |  |  |
|                       | Max:        | 14.02      | 3.674       |  |  |  |  |  |  |
|                       | Min:        | 13.98      | 3.657       |  |  |  |  |  |  |

### Stratification Results

| Port | Point       | O2 (OX-10) | CO2 (CD-10) |  |  |  |  |  |  |
|------|-------------|------------|-------------|--|--|--|--|--|--|
| 1    | 1           | 14.01      | 3.661       |  |  |  |  |  |  |
| 1    | 2           | 14.00      | 3.661       |  |  |  |  |  |  |
| 1    | 3           | 14.00      | 3.669       |  |  |  |  |  |  |
|      | Strat diff: | 0.007      | 0.005       |  |  |  |  |  |  |
|      | Strat %:    | 0.048      | 0.146       |  |  |  |  |  |  |



## MAQDAQ 1.0

|                       |                             |                        |                             |
|-----------------------|-----------------------------|------------------------|-----------------------------|
| Project Name: SVP DVR | Project Number: PROJ-042969 | CEMS Operator: N.PATEL | Unit/Condition: UNIT 2 BASE |
| Run Length: 30        | Record Interval: 6          | Average Interval: 60   | Triplicate Sampling: False  |
| Traverse: True        | Ports: 1                    | Points per port: 3     | DAQ Device: DT9803(01)      |

### Run 5 Post run bias - RUN 2 1056-1126

10:50:00 - 11:20:00

|             |            |             |  |  |  |  |  |  |
|-------------|------------|-------------|--|--|--|--|--|--|
| Name:       | O2 (OX-10) | CO2 (CD-10) |  |  |  |  |  |  |
| Make/Model: |            |             |  |  |  |  |  |  |
| 25A or 7E:  | 7E         | 7E          |  |  |  |  |  |  |

#### Run summary data

|          |       |       |  |  |  |  |  |  |
|----------|-------|-------|--|--|--|--|--|--|
| Raw Avg: | 14.00 | 3.664 |  |  |  |  |  |  |
| Max:     | 14.02 | 3.674 |  |  |  |  |  |  |
| Min:     | 13.98 | 3.657 |  |  |  |  |  |  |

#### Cylinder Concentrations

|       |       |       |  |  |  |  |  |  |
|-------|-------|-------|--|--|--|--|--|--|
| Zero: | 0.000 | 0.000 |  |  |  |  |  |  |
| Low:  |       |       |  |  |  |  |  |  |
| Mid:  | 11.61 | 3.985 |  |  |  |  |  |  |
| High: | 21.12 | 8.376 |  |  |  |  |  |  |

#### Calibration Readings

|               |       |       |  |  |  |  |  |  |
|---------------|-------|-------|--|--|--|--|--|--|
| Zero reading: | 0.002 | 0.003 |  |  |  |  |  |  |
| Low reading:  |       |       |  |  |  |  |  |  |
| Mid reading:  | 11.52 | 3.980 |  |  |  |  |  |  |
| High reading: | 21.05 | 8.383 |  |  |  |  |  |  |

#### EPA Method 7E Error Calculations

|            |      |        |        |  |  |  |  |  |
|------------|------|--------|--------|--|--|--|--|--|
| Zero %Err: | <2.0 | 0.009  | 0.036  |  |  |  |  |  |
| Mid %Err:  | <2.0 | -0.426 | -0.060 |  |  |  |  |  |
| High %Err: | <2.0 | -0.331 | 0.084  |  |  |  |  |  |

#### Initial Bias Data

|               |        |        |        |  |  |  |  |  |
|---------------|--------|--------|--------|--|--|--|--|--|
| Zero reading: | -0.093 | -0.053 |        |  |  |  |  |  |
| Span reading: | 11.31  | 3.819  |        |  |  |  |  |  |
| Zero % bias:  | <5.0   | -0.450 | -0.669 |  |  |  |  |  |
| Span % bias:  | <5.0   | -0.994 | -1.922 |  |  |  |  |  |

#### Final Bias Data

|               |        |        |        |  |  |  |  |  |
|---------------|--------|--------|--------|--|--|--|--|--|
| Zero reading: | -0.128 | -0.047 |        |  |  |  |  |  |
| Span reading: | 11.32  | 3.840  |        |  |  |  |  |  |
| Zero % bias:  | <5.0   | -0.616 | -0.597 |  |  |  |  |  |
| Span % bias:  | <5.0   | -0.947 | -1.671 |  |  |  |  |  |
| Zero % drift: | <3.0   | 0.166  | 0.072  |  |  |  |  |  |
| Span % drift: | <3.0   | 0.047  | 0.251  |  |  |  |  |  |

#### Bias Corrected Averages

|          |       |       |  |  |  |  |  |  |
|----------|-------|-------|--|--|--|--|--|--|
| Cor Avg: | 14.34 | 3.815 |  |  |  |  |  |  |
|----------|-------|-------|--|--|--|--|--|--|



| MAQDAQ 1.0            |                             |                        |                             |
|-----------------------|-----------------------------|------------------------|-----------------------------|
| Project Name: SVP DVR | Project Number: PROJ-042969 | CEMS Operator: N.PATEL | Unit/Condition: UNIT 2 BASE |
| Run Length: 30        | Record Interval: 6          | Average Interval: 60   | Triplicate Sampling: False  |
| Traverse: True        | Ports: 1                    | Points per port: 3     | DAQ Device: DT9803(01)      |

| Run 6 Average Results - RUN 3 1132-1202 |             |            |             |  |  |  |  |  |
|-----------------------------------------|-------------|------------|-------------|--|--|--|--|--|
| 11:26:00 - 11:56:00                     |             |            |             |  |  |  |  |  |
|                                         | Name:       | O2 (OX-10) | CO2 (CD-10) |  |  |  |  |  |
|                                         | Make/Model: |            |             |  |  |  |  |  |
| Jul 17 2024                             | 11:27:00    | 13.99      | 3.662       |  |  |  |  |  |
| Jul 17 2024                             | 11:28:00    | 13.99      | 3.666       |  |  |  |  |  |
| Jul 17 2024                             | 11:29:00    | 13.99      | 3.666       |  |  |  |  |  |
| Jul 17 2024                             | 11:30:00    | 13.99      | 3.669       |  |  |  |  |  |
| Jul 17 2024                             | 11:31:00    | 13.99      | 3.666       |  |  |  |  |  |
| Jul 17 2024                             | 11:32:00    | 13.98      | 3.669       |  |  |  |  |  |
| Jul 17 2024                             | 11:33:00    | 14.00      | 3.671       |  |  |  |  |  |
| Jul 17 2024                             | 11:34:00    | 13.99      | 3.669       |  |  |  |  |  |
| Jul 17 2024                             | 11:35:00    | 13.98      | 3.672       |  |  |  |  |  |
| Jul 17 2024                             | 11:36:00    | 13.98      | 3.667       |  |  |  |  |  |
| End of port 1 point 1                   |             |            |             |  |  |  |  |  |
| Jul 17 2024                             | 11:37:00    | 13.99      | 3.670       |  |  |  |  |  |
| Jul 17 2024                             | 11:38:00    | 13.98      | 3.666       |  |  |  |  |  |
| Jul 17 2024                             | 11:39:00    | 13.99      | 3.668       |  |  |  |  |  |
| Jul 17 2024                             | 11:40:00    | 13.99      | 3.665       |  |  |  |  |  |
| Jul 17 2024                             | 11:41:00    | 13.98      | 3.667       |  |  |  |  |  |
| Jul 17 2024                             | 11:42:00    | 13.98      | 3.665       |  |  |  |  |  |
| Jul 17 2024                             | 11:43:00    | 13.98      | 3.665       |  |  |  |  |  |
| Jul 17 2024                             | 11:44:00    | 14.00      | 3.662       |  |  |  |  |  |
| Jul 17 2024                             | 11:45:00    | 14.00      | 3.662       |  |  |  |  |  |
| Jul 17 2024                             | 11:46:00    | 13.98      | 3.666       |  |  |  |  |  |
| End of port 1 point 2                   |             |            |             |  |  |  |  |  |
| Jul 17 2024                             | 11:47:00    | 13.99      | 3.665       |  |  |  |  |  |
| Jul 17 2024                             | 11:48:00    | 13.99      | 3.671       |  |  |  |  |  |
| Jul 17 2024                             | 11:49:00    | 13.98      | 3.665       |  |  |  |  |  |
| Jul 17 2024                             | 11:50:00    | 13.99      | 3.666       |  |  |  |  |  |
| Jul 17 2024                             | 11:51:00    | 13.99      | 3.665       |  |  |  |  |  |
| Jul 17 2024                             | 11:52:00    | 13.99      | 3.666       |  |  |  |  |  |
| Jul 17 2024                             | 11:53:00    | 13.99      | 3.664       |  |  |  |  |  |
| Jul 17 2024                             | 11:54:00    | 13.98      | 3.668       |  |  |  |  |  |
| Jul 17 2024                             | 11:55:00    | 13.99      | 3.670       |  |  |  |  |  |
| Jul 17 2024                             | 11:56:00    | 13.99      | 3.666       |  |  |  |  |  |
| End of port 1 point 3                   |             |            |             |  |  |  |  |  |
|                                         | Average:    | 13.99      | 3.667       |  |  |  |  |  |
|                                         | Max:        | 14.00      | 3.672       |  |  |  |  |  |
|                                         | Min:        | 13.98      | 3.662       |  |  |  |  |  |

| Stratification Results |             |            |             |  |  |  |  |  |
|------------------------|-------------|------------|-------------|--|--|--|--|--|
| Port                   | Point       | O2 (OX-10) | CO2 (CD-10) |  |  |  |  |  |
| 1                      | 1           | 13.98      | 3.667       |  |  |  |  |  |
| 1                      | 2           | 13.99      | 3.665       |  |  |  |  |  |
| 1                      | 3           | 13.99      | 3.666       |  |  |  |  |  |
|                        | Strat diff: | 0.003      | 0.001       |  |  |  |  |  |
|                        | Strat %:    | 0.048      | 0.027       |  |  |  |  |  |



## MAQDAQ 1.0

|                       |                             |                        |                             |
|-----------------------|-----------------------------|------------------------|-----------------------------|
| Project Name: SVP DVR | Project Number: PROJ-042969 | CEMS Operator: N.PATEL | Unit/Condition: UNIT 2 BASE |
| Run Length: 30        | Record Interval: 6          | Average Interval: 60   | Triplicate Sampling: False  |
| Traverse: True        | Ports: 1                    | Points per port: 3     | DAQ Device: DT9803(01)      |

### Run 6 Post run bias - RUN 3 1132-1202

11:26:00 - 11:56:00

|                    |            |             |  |  |  |  |  |  |
|--------------------|------------|-------------|--|--|--|--|--|--|
| <b>Name:</b>       | O2 (OX-10) | CO2 (CD-10) |  |  |  |  |  |  |
| <b>Make/Model:</b> |            |             |  |  |  |  |  |  |
| <b>25A or 7E:</b>  | 7E         | 7E          |  |  |  |  |  |  |

#### Run summary data

|                 |       |       |  |  |  |  |  |  |
|-----------------|-------|-------|--|--|--|--|--|--|
| <b>Raw Avg:</b> | 13.99 | 3.667 |  |  |  |  |  |  |
| <b>Max:</b>     | 14.00 | 3.672 |  |  |  |  |  |  |
| <b>Min:</b>     | 13.98 | 3.662 |  |  |  |  |  |  |

#### Cylinder Concentrations

|              |       |       |  |  |  |  |  |  |
|--------------|-------|-------|--|--|--|--|--|--|
| <b>Zero:</b> | 0.000 | 0.000 |  |  |  |  |  |  |
| <b>Low:</b>  |       |       |  |  |  |  |  |  |
| <b>Mid:</b>  | 11.61 | 3.985 |  |  |  |  |  |  |
| <b>High:</b> | 21.12 | 8.376 |  |  |  |  |  |  |

#### Calibration Readings

|                      |       |       |  |  |  |  |  |  |
|----------------------|-------|-------|--|--|--|--|--|--|
| <b>Zero reading:</b> | 0.002 | 0.003 |  |  |  |  |  |  |
| <b>Low reading:</b>  |       |       |  |  |  |  |  |  |
| <b>Mid reading:</b>  | 11.52 | 3.980 |  |  |  |  |  |  |
| <b>High reading:</b> | 21.05 | 8.383 |  |  |  |  |  |  |

#### EPA Method 7E Error Calculations

|                   |      |        |        |  |  |  |  |  |
|-------------------|------|--------|--------|--|--|--|--|--|
| <b>Zero %Err:</b> | <2.0 | 0.009  | 0.036  |  |  |  |  |  |
| <b>Mid %Err:</b>  | <2.0 | -0.426 | -0.060 |  |  |  |  |  |
| <b>High %Err:</b> | <2.0 | -0.331 | 0.084  |  |  |  |  |  |

#### Initial Bias Data

|                      |        |        |        |  |  |  |  |  |
|----------------------|--------|--------|--------|--|--|--|--|--|
| <b>Zero reading:</b> | -0.128 | -0.047 |        |  |  |  |  |  |
| <b>Span reading:</b> | 11.32  | 3.840  |        |  |  |  |  |  |
| <b>Zero % bias:</b>  | <5.0   | -0.616 | -0.597 |  |  |  |  |  |
| <b>Span % bias:</b>  | <5.0   | -0.947 | -1.671 |  |  |  |  |  |

#### Final Bias Data

|                      |        |        |        |  |  |  |  |  |
|----------------------|--------|--------|--------|--|--|--|--|--|
| <b>Zero reading:</b> | -0.141 | -0.037 |        |  |  |  |  |  |
| <b>Span reading:</b> | 11.29  | 3.842  |        |  |  |  |  |  |
| <b>Zero % bias:</b>  | <5.0   | -0.677 | -0.478 |  |  |  |  |  |
| <b>Span % bias:</b>  | <5.0   | -1.089 | -1.648 |  |  |  |  |  |
| <b>Zero % drift:</b> | <3.0   | 0.061  | 0.119  |  |  |  |  |  |
| <b>Span % drift:</b> | <3.0   | 0.142  | 0.023  |  |  |  |  |  |

#### Bias Corrected Averages

|                 |       |       |  |  |  |  |  |  |
|-----------------|-------|-------|--|--|--|--|--|--|
| <b>Cor Avg:</b> | 14.34 | 3.806 |  |  |  |  |  |  |
|-----------------|-------|-------|--|--|--|--|--|--|



| MAQDAQ 1.0            |                             |                        |                            |
|-----------------------|-----------------------------|------------------------|----------------------------|
| Project Name: SVP DVR | Project Number: PROJ-042969 | CEMS Operator: N.PATEL | Unit/Condition: UNIT 2 MAX |
| Run Length: 36        | Record Interval: 6          | Average Interval: 60   | Triplicate Sampling: False |
| Traverse: True        | Ports: 2                    | Points per port: 6     | DAQ Device: DT9803(01)     |

| Run 1 Average Results - RUN 1 0825-0906 |             |            |             |           |            |  |  |  |  |
|-----------------------------------------|-------------|------------|-------------|-----------|------------|--|--|--|--|
| 08:19:00 - 09:00:00                     |             |            |             |           |            |  |  |  |  |
|                                         | Name:       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) | NOX (NO-2) |  |  |  |  |
|                                         | Make/Model: |            |             |           |            |  |  |  |  |
| Jul 18 2024                             | 08:20:00    | 12.63      | 4.385       | 0.974     | 2.031      |  |  |  |  |
| Jul 18 2024                             | 08:21:00    | 12.64      | 4.385       | 0.962     | 2.044      |  |  |  |  |
| Jul 18 2024                             | 08:22:00    | 12.63      | 4.384       | 0.962     | 2.027      |  |  |  |  |
| End of port 1 point 1                   |             |            |             |           |            |  |  |  |  |
| Jul 18 2024                             | 08:23:00    | 12.62      | 4.386       | 1.005     | 1.772      |  |  |  |  |
| Jul 18 2024                             | 08:24:00    | 12.63      | 4.391       | 1.052     | 1.605      |  |  |  |  |
| Jul 18 2024                             | 08:25:00    | 12.62      | 4.388       | 1.055     | 1.622      |  |  |  |  |
| End of port 1 point 2                   |             |            |             |           |            |  |  |  |  |
| Jul 18 2024                             | 08:26:00    | 12.61      | 4.392       | 1.080     | 1.633      |  |  |  |  |
| Jul 18 2024                             | 08:27:00    | 12.61      | 4.401       | 1.245     | 1.623      |  |  |  |  |
| Jul 18 2024                             | 08:28:00    | 12.61      | 4.395       | 1.271     | 1.636      |  |  |  |  |
| End of port 1 point 3                   |             |            |             |           |            |  |  |  |  |
| Jul 18 2024                             | 08:29:00    | 12.58      | 4.407       | 1.384     | 1.842      |  |  |  |  |
| Jul 18 2024                             | 08:30:00    | 12.57      | 4.419       | 1.940     | 2.398      |  |  |  |  |
| Jul 18 2024                             | 08:31:00    | 12.56      | 4.417       | 1.907     | 2.424      |  |  |  |  |
| End of port 1 point 4                   |             |            |             |           |            |  |  |  |  |
| Jul 18 2024                             | 08:32:00    | 12.56      | 4.417       | 1.939     | 2.440      |  |  |  |  |
| Jul 18 2024                             | 08:33:00    | 12.58      | 4.415       | 1.944     | 2.620      |  |  |  |  |
| Jul 18 2024                             | 08:34:00    | 12.58      | 4.410       | 1.924     | 2.708      |  |  |  |  |
| End of port 1 point 5                   |             |            |             |           |            |  |  |  |  |
| Jul 18 2024                             | 08:35:00    | 12.57      | 4.407       | 1.906     | 2.688      |  |  |  |  |
| Jul 18 2024                             | 08:36:00    | 12.57      | 4.414       | 1.924     | 2.701      |  |  |  |  |
| Jul 18 2024                             | 08:37:00    | 12.58      | 4.409       | 1.959     | 2.686      |  |  |  |  |
| End of port 1 point 6                   |             |            |             |           |            |  |  |  |  |
| Jul 18 2024                             | 08:43:00    | 12.67      | 4.345       | 1.611     | 2.169      |  |  |  |  |
| Jul 18 2024                             | 08:44:00    | 12.67      | 4.347       | 1.607     | 2.171      |  |  |  |  |
| Jul 18 2024                             | 08:45:00    | 12.67      | 4.342       | 1.629     | 2.182      |  |  |  |  |
| End of port 2 point 1                   |             |            |             |           |            |  |  |  |  |
| Jul 18 2024                             | 08:46:00    | 12.67      | 4.344       | 1.630     | 2.163      |  |  |  |  |
| Jul 18 2024                             | 08:47:00    | 12.67      | 4.343       | 1.650     | 2.135      |  |  |  |  |
| Jul 18 2024                             | 08:48:00    | 12.60      | 4.379       | 1.885     | 1.956      |  |  |  |  |
| End of port 2 point 2                   |             |            |             |           |            |  |  |  |  |
| Jul 18 2024                             | 08:49:00    | 12.60      | 4.384       | 1.844     | 1.952      |  |  |  |  |
| Jul 18 2024                             | 08:50:00    | 12.58      | 4.398       | 1.657     | 1.965      |  |  |  |  |
| Jul 18 2024                             | 08:51:00    | 12.57      | 4.402       | 1.654     | 1.977      |  |  |  |  |
| End of port 2 point 3                   |             |            |             |           |            |  |  |  |  |
| Jul 18 2024                             | 08:52:00    | 12.57      | 4.400       | 1.679     | 1.982      |  |  |  |  |
| Jul 18 2024                             | 08:53:00    | 12.57      | 4.404       | 1.674     | 1.984      |  |  |  |  |
| Jul 18 2024                             | 08:54:00    | 12.57      | 4.405       | 1.682     | 1.999      |  |  |  |  |
| End of port 2 point 4                   |             |            |             |           |            |  |  |  |  |
| Jul 18 2024                             | 08:55:00    | 12.57      | 4.404       | 1.655     | 1.967      |  |  |  |  |
| Jul 18 2024                             | 08:56:00    | 12.55      | 4.407       | 1.572     | 2.261      |  |  |  |  |
| Jul 18 2024                             | 08:57:00    | 12.54      | 4.416       | 1.304     | 2.718      |  |  |  |  |
| End of port 2 point 5                   |             |            |             |           |            |  |  |  |  |
| Jul 18 2024                             | 08:58:00    | 12.55      | 4.418       | 1.286     | 2.706      |  |  |  |  |
| Jul 18 2024                             | 08:59:00    | 12.56      | 4.410       | 1.062     | 2.974      |  |  |  |  |
| Jul 18 2024                             | 09:00:00    | 12.55      | 4.409       | 1.030     | 3.014      |  |  |  |  |



| MAQDAQ 1.0            |                             |                        |                            |
|-----------------------|-----------------------------|------------------------|----------------------------|
| Project Name: SVP DVR | Project Number: PROJ-042969 | CEMS Operator: N.PATEL | Unit/Condition: UNIT 2 MAX |
| Run Length: 36        | Record Interval: 6          | Average Interval: 60   | Triplicate Sampling: False |
| Traverse: True        | Ports: 2                    | Points per port: 6     | DAQ Device: DT9803(01)     |

End of port 2 point 6

|  |                 |       |       |       |       |  |  |  |  |
|--|-----------------|-------|-------|-------|-------|--|--|--|--|
|  | <b>Average:</b> | 12.60 | 4.394 | 1.515 | 2.188 |  |  |  |  |
|  | <b>Max:</b>     | 12.67 | 4.419 | 1.959 | 3.014 |  |  |  |  |
|  | <b>Min:</b>     | 12.54 | 4.342 | 0.962 | 1.605 |  |  |  |  |

| Stratification Results |                    |            |             |           |            |  |  |  |  |
|------------------------|--------------------|------------|-------------|-----------|------------|--|--|--|--|
| Port                   | Point              | O2 (OX-10) | CO2 (CD-10) | CO (CO21) | NOX (NO-2) |  |  |  |  |
| 1                      | 1                  | 12.61      | 4.382       | 0.952     | 2.039      |  |  |  |  |
| 1                      | 2                  | 12.62      | 4.392       | 1.048     | 1.617      |  |  |  |  |
| 1                      | 3                  | 12.61      | 4.397       | 1.228     | 1.638      |  |  |  |  |
| 1                      | 4                  | 12.57      | 4.416       | 1.852     | 2.405      |  |  |  |  |
| 1                      | 5                  | 12.57      | 4.414       | 1.944     | 2.627      |  |  |  |  |
| 1                      | 6                  | 12.56      | 4.408       | 1.918     | 2.705      |  |  |  |  |
| 2                      | 1                  | 12.67      | 4.344       | 1.622     | 2.164      |  |  |  |  |
| 2                      | 2                  | 12.63      | 4.361       | 1.753     | 2.054      |  |  |  |  |
| 2                      | 3                  | 12.58      | 4.397       | 1.714     | 1.974      |  |  |  |  |
| 2                      | 4                  | 12.57      | 4.406       | 1.672     | 1.989      |  |  |  |  |
| 2                      | 5                  | 12.53      | 4.408       | 1.442     | 2.452      |  |  |  |  |
| 2                      | 6                  | 12.55      | 4.413       | 1.106     | 2.956      |  |  |  |  |
|                        | <b>Strat diff:</b> | 0.081      | 0.021       | 0.423     | 0.738      |  |  |  |  |
|                        | <b>Strat %:</b>    | 0.642      | 1.157       | 9.934     | 8.415      |  |  |  |  |



## MAQDAQ 1.0

|                       |                             |                        |                            |
|-----------------------|-----------------------------|------------------------|----------------------------|
| Project Name: SVP DVR | Project Number: PROJ-042969 | CEMS Operator: N.PATEL | Unit/Condition: UNIT 2 MAX |
| Run Length: 36        | Record Interval: 6          | Average Interval: 60   | Triplicate Sampling: False |
| Traverse: True        | Ports: 2                    | Points per port: 6     | DAQ Device: DT9803(01)     |

### Run 1 Post run bias - RUN 1 0825-0906

08:19:00 - 09:00:00

|                    |            |             |           |            |  |  |  |  |
|--------------------|------------|-------------|-----------|------------|--|--|--|--|
| <b>Name:</b>       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) | NOX (NO-2) |  |  |  |  |
| <b>Make/Model:</b> |            |             |           |            |  |  |  |  |
| <b>25A or 7E:</b>  | 7E         | 7E          | 7E        | 7E         |  |  |  |  |

#### Run summary data

|                 |       |       |       |       |  |  |  |  |
|-----------------|-------|-------|-------|-------|--|--|--|--|
| <b>Raw Avg:</b> | 12.60 | 4.394 | 1.515 | 2.188 |  |  |  |  |
| <b>Max:</b>     | 12.67 | 4.419 | 1.959 | 3.014 |  |  |  |  |
| <b>Min:</b>     | 12.54 | 4.342 | 0.962 | 1.605 |  |  |  |  |

#### Cylinder Concentrations

|              |       |       |       |       |  |  |  |  |
|--------------|-------|-------|-------|-------|--|--|--|--|
| <b>Zero:</b> | 0.000 | 0.000 | 0.000 | 0.000 |  |  |  |  |
| <b>Low:</b>  |       |       |       |       |  |  |  |  |
| <b>Mid:</b>  | 11.61 | 3.985 | 2.496 | 2.488 |  |  |  |  |
| <b>High:</b> | 21.12 | 8.376 | 5.059 | 5.074 |  |  |  |  |

#### Calibration Readings

|                      |       |        |        |       |  |  |  |  |
|----------------------|-------|--------|--------|-------|--|--|--|--|
| <b>Zero reading:</b> | 0.022 | -0.001 | -0.010 | 0.010 |  |  |  |  |
| <b>Low reading:</b>  |       |        |        |       |  |  |  |  |
| <b>Mid reading:</b>  | 11.57 | 3.978  | 2.589  | 2.557 |  |  |  |  |
| <b>High reading:</b> | 21.03 | 8.378  | 5.043  | 5.073 |  |  |  |  |

#### EPA Method 7E Error Calculations

|                   |      |        |        |        |        |  |  |  |
|-------------------|------|--------|--------|--------|--------|--|--|--|
| <b>Zero %Err:</b> | <2.0 | 0.104  | -0.012 | -0.198 | 0.197  |  |  |  |
| <b>Mid %Err:</b>  | <2.0 | -0.189 | -0.084 | 1.838  | 1.360  |  |  |  |
| <b>High %Err:</b> | <2.0 | -0.426 | 0.024  | -0.316 | -0.020 |  |  |  |

#### Initial Bias Data

|                      |       |        |        |       |        |  |  |  |
|----------------------|-------|--------|--------|-------|--------|--|--|--|
| <b>Zero reading:</b> | 0.024 | 0.001  | 0.110  | 0.002 |        |  |  |  |
| <b>Span reading:</b> | 11.50 | 3.947  | 2.636  | 2.396 |        |  |  |  |
| <b>Zero % bias:</b>  | <5.0  | 0.009  | 0.024  | 2.372 | -0.158 |  |  |  |
| <b>Span % bias:</b>  | <5.0  | -0.331 | -0.370 | 0.929 | -3.173 |  |  |  |

#### Final Bias Data

|                      |        |        |        |        |        |  |  |  |
|----------------------|--------|--------|--------|--------|--------|--|--|--|
| <b>Zero reading:</b> | -0.158 | -0.101 | 0.025  | 0.002  |        |  |  |  |
| <b>Span reading:</b> | 11.27  | 3.784  | 2.511  | 2.408  |        |  |  |  |
| <b>Zero % bias:</b>  | <5.0   | -0.852 | -1.194 | 0.692  | -0.158 |  |  |  |
| <b>Span % bias:</b>  | <5.0   | -1.421 | -2.316 | -1.542 | -2.937 |  |  |  |
| <b>Zero % drift:</b> | <3.0   | 0.861  | 1.218  | 1.680  | 0.000  |  |  |  |
| <b>Span % drift:</b> | <3.0   | 1.089  | 1.946  | 2.471  | 0.236  |  |  |  |

#### Bias Corrected Averages

|                 |       |       |       |       |  |  |  |  |
|-----------------|-------|-------|-------|-------|--|--|--|--|
| <b>Cor Avg:</b> | 12.84 | 4.523 | 1.442 | 2.266 |  |  |  |  |
|-----------------|-------|-------|-------|-------|--|--|--|--|



## MAQDAQ 1.0

|                       |                             |                        |                            |
|-----------------------|-----------------------------|------------------------|----------------------------|
| Project Name: SVP DVR | Project Number: PROJ-042969 | CEMS Operator: N.PATEL | Unit/Condition: UNIT 2 MAX |
| Run Length: 30        | Record Interval: 6          | Average Interval: 60   | Triplicate Sampling: False |
| Traverse: True        | Ports: 1                    | Points per port: 6     | DAQ Device: DT9803(01)     |

### Run 2 Average Results - RUN 2 0939-1009

09:33:00 - 10:03:00

|                       | Name:       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) | NOX (NO-2) | THC (VO 20) | CH3 (VO14) |  |  |
|-----------------------|-------------|------------|-------------|-----------|------------|-------------|------------|--|--|
|                       | Make/Model: |            |             |           |            |             |            |  |  |
| Jul 18 2024           | 09:34:00    | 12.58      | 4.399       | 1.556     | 1.975      | 24.71       | 24.71      |  |  |
| Jul 18 2024           | 09:35:00    | 12.58      | 4.404       | 1.517     | 1.975      | 25.83       | 25.91      |  |  |
| Jul 18 2024           | 09:36:00    | 12.58      | 4.404       | 1.561     | 2.001      | 26.24       | 26.34      |  |  |
| Jul 18 2024           | 09:37:00    | 12.58      | 4.405       | 1.536     | 1.998      | 24.81       | 24.71      |  |  |
| Jul 18 2024           | 09:38:00    | 12.58      | 4.403       | 1.510     | 1.986      | 24.71       | 24.66      |  |  |
| End of port 1 point 1 |             |            |             |           |            |             |            |  |  |
| Jul 18 2024           | 09:39:00    | 12.58      | 4.403       | 1.568     | 1.989      | 23.80       | 23.74      |  |  |
| Jul 18 2024           | 09:40:00    | 12.58      | 4.407       | 1.537     | 2.004      | 25.26       | 25.24      |  |  |
| Jul 18 2024           | 09:41:00    | 12.58      | 4.407       | 1.592     | 1.973      | 29.34       | 29.32      |  |  |
| Jul 18 2024           | 09:42:00    | 12.58      | 4.409       | 1.588     | 2.005      | 25.53       | 25.52      |  |  |
| Jul 18 2024           | 09:43:00    | 12.57      | 4.406       | 1.542     | 2.006      | 24.86       | 24.88      |  |  |
| End of port 1 point 2 |             |            |             |           |            |             |            |  |  |
| Jul 18 2024           | 09:44:00    | 12.58      | 4.408       | 1.552     | 1.978      | 26.72       | 26.67      |  |  |
| Jul 18 2024           | 09:45:00    | 12.58      | 4.405       | 1.555     | 2.007      | 24.29       | 24.15      |  |  |
| Jul 18 2024           | 09:46:00    | 12.58      | 4.407       | 1.505     | 1.968      | 23.87       | 23.76      |  |  |
| Jul 18 2024           | 09:47:00    | 12.57      | 4.406       | 1.481     | 1.965      | 24.66       | 24.56      |  |  |
| Jul 18 2024           | 09:48:00    | 12.58      | 4.410       | 1.562     | 1.966      | 25.16       | 25.16      |  |  |
| End of port 1 point 3 |             |            |             |           |            |             |            |  |  |
| Jul 18 2024           | 09:49:00    | 12.58      | 4.410       | 1.536     | 1.994      | 26.76       | 26.76      |  |  |
| Jul 18 2024           | 09:50:00    | 12.56      | 4.412       | 1.565     | 1.981      | 24.76       | 24.77      |  |  |
| Jul 18 2024           | 09:51:00    | 12.56      | 4.415       | 1.458     | 1.973      | 23.83       | 23.84      |  |  |
| Jul 18 2024           | 09:52:00    | 12.57      | 4.412       | 1.460     | 1.969      | 21.30       | 21.40      |  |  |
| Jul 18 2024           | 09:53:00    | 12.57      | 4.416       | 1.446     | 1.979      | 21.94       | 22.01      |  |  |
| End of port 1 point 4 |             |            |             |           |            |             |            |  |  |
| Jul 18 2024           | 09:54:00    | 12.55      | 4.414       | 1.361     | 2.054      | 17.17       | 17.19      |  |  |
| Jul 18 2024           | 09:55:00    | 12.55      | 4.423       | 1.021     | 2.694      | 6.848       | 6.876      |  |  |
| Jul 18 2024           | 09:56:00    | 12.57      | 4.416       | 0.760     | 2.982      | 4.585       | 4.538      |  |  |
| Jul 18 2024           | 09:57:00    | 12.56      | 4.420       | 0.758     | 2.978      | 4.732       | 4.679      |  |  |
| Jul 18 2024           | 09:58:00    | 12.56      | 4.418       | 0.749     | 3.008      | 4.628       | 4.674      |  |  |
| End of port 1 point 5 |             |            |             |           |            |             |            |  |  |
| Jul 18 2024           | 09:59:00    | 12.58      | 4.419       | 0.737     | 3.009      | 4.718       | 4.717      |  |  |
| Jul 18 2024           | 10:00:00    | 12.57      | 4.417       | 0.738     | 2.973      | 4.369       | 4.318      |  |  |
| Jul 18 2024           | 10:01:00    | 12.57      | 4.414       | 0.741     | 3.003      | 4.713       | 4.729      |  |  |
| Jul 18 2024           | 10:02:00    | 12.57      | 4.417       | 0.718     | 3.005      | 4.147       | 4.099      |  |  |
| Jul 18 2024           | 10:03:00    | 12.57      | 4.417       | 0.758     | 3.023      | 4.453       | 4.493      |  |  |
| End of port 1 point 6 |             |            |             |           |            |             |            |  |  |
|                       | Average:    | 12.57      | 4.411       | 1.299     | 2.281      | 18.62       | 18.61      |  |  |
|                       | Max:        | 12.58      | 4.423       | 1.592     | 3.023      | 29.34       | 29.32      |  |  |
|                       | Min:        | 12.55      | 4.399       | 0.718     | 1.965      | 4.147       | 4.099      |  |  |

### Stratification Results

| Port | Point | O2 (OX-10) | CO2 (CD-10) | CO (CO21) | NOX (NO-2) | THC (VO 20) | CH3 (VO14) |  |  |
|------|-------|------------|-------------|-----------|------------|-------------|------------|--|--|
| 1    | 1     | 12.59      | 4.406       | 1.525     | 1.984      | 27.76       | 27.69      |  |  |
| 1    | 2     | 12.58      | 4.406       | 1.562     | 1.992      | 26.84       | 26.87      |  |  |
| 1    | 3     | 12.59      | 4.406       | 1.529     | 1.983      | 24.12       | 24.00      |  |  |
| 1    | 4     | 12.57      | 4.414       | 1.486     | 1.981      | 22.33       | 22.54      |  |  |



| MAQDAQ 1.0            |                             |                        |                            |
|-----------------------|-----------------------------|------------------------|----------------------------|
| Project Name: SVP DVR | Project Number: PROJ-042969 | CEMS Operator: N.PATEL | Unit/Condition: UNIT 2 MAX |
| Run Length: 30        | Record Interval: 6          | Average Interval: 60   | Triplicate Sampling: False |
| Traverse: True        | Ports: 1                    | Points per port: 6     | DAQ Device: DT9803(01)     |

|   |             |       |       |       |       |       |       |  |  |
|---|-------------|-------|-------|-------|-------|-------|-------|--|--|
| 1 | 5           | 12.54 | 4.419 | 0.882 | 2.838 | 6.776 | 6.679 |  |  |
| 1 | 6           | 12.57 | 4.415 | 0.729 | 3.001 | 4.384 | 4.395 |  |  |
|   | Strat diff: | 0.017 | 0.008 | 0.277 | 0.705 | 9.058 | 8.994 |  |  |
|   | Strat %:    | 0.265 | 0.181 | 43.29 | 30.68 | 76.56 | 76.49 |  |  |



## MAQDAQ 1.0

|                       |                             |                        |                            |
|-----------------------|-----------------------------|------------------------|----------------------------|
| Project Name: SVP DVR | Project Number: PROJ-042969 | CEMS Operator: N.PATEL | Unit/Condition: UNIT 2 MAX |
| Run Length: 30        | Record Interval: 6          | Average Interval: 60   | Triplicate Sampling: False |
| Traverse: True        | Ports: 1                    | Points per port: 6     | DAQ Device: DT9803(01)     |

### Run 2 Post run bias - RUN 2 0939-1009

09:33:00 - 10:03:00

|             |            |             |           |            |             |            |  |  |
|-------------|------------|-------------|-----------|------------|-------------|------------|--|--|
| Name:       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) | NOX (NO-2) | THC (VO 20) | CH3 (VO14) |  |  |
| Make/Model: |            |             |           |            |             |            |  |  |
| 25A or 7E:  | 7E         | 7E          | 7E        | 7E         | 25A         | 25A        |  |  |

#### Run summary data

|          |       |       |       |       |       |       |  |  |
|----------|-------|-------|-------|-------|-------|-------|--|--|
| Raw Avg: | 12.57 | 4.411 | 1.299 | 2.281 | 18.62 | 18.61 |  |  |
| Max:     | 12.58 | 4.423 | 1.592 | 3.023 | 29.34 | 29.32 |  |  |
| Min:     | 12.55 | 4.399 | 0.718 | 1.965 | 4.147 | 4.099 |  |  |

#### Cylinder Concentrations

|       |       |       |       |       |       |       |  |  |
|-------|-------|-------|-------|-------|-------|-------|--|--|
| Zero: | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |  |  |
| Low:  |       |       |       |       | 29.85 | 29.85 |  |  |
| Mid:  | 11.61 | 3.985 | 2.496 | 2.488 | 49.56 | 49.56 |  |  |
| High: | 21.12 | 8.376 | 5.059 | 5.074 | 85.01 | 85.01 |  |  |

#### Calibration Readings

|               |       |        |        |       |       |       |  |  |
|---------------|-------|--------|--------|-------|-------|-------|--|--|
| Zero reading: | 0.022 | -0.001 | -0.010 | 0.010 | 0.287 | 0.104 |  |  |
| Low reading:  |       |        |        |       | 30.11 | 29.84 |  |  |
| Mid reading:  | 11.57 | 3.978  | 2.589  | 2.557 | 50.81 | 50.00 |  |  |
| High reading: | 21.03 | 8.378  | 5.043  | 5.073 | 85.11 | 85.24 |  |  |

#### EPA Method 7E Error Calculations

|            |      |        |        |        |        |     |     |  |  |
|------------|------|--------|--------|--------|--------|-----|-----|--|--|
| Zero %Err: | <2.0 | 0.104  | -0.012 | -0.198 | 0.197  | N/A | N/A |  |  |
| Mid %Err:  | <2.0 | -0.189 | -0.084 | 1.838  | 1.360  | N/A | N/A |  |  |
| High %Err: | <2.0 | -0.426 | 0.024  | -0.316 | -0.020 | N/A | N/A |  |  |

#### EPA Method 25A Error Calculations

|            |           |     |     |     |     |       |        |  |  |
|------------|-----------|-----|-----|-----|-----|-------|--------|--|--|
| Zero %Err: | N/A       | N/A | N/A | N/A | N/A | 0.287 | 0.104  |  |  |
| Low %Err:  | 5% of cyl | N/A | N/A | N/A | N/A | 0.260 | -0.010 |  |  |
| Mid %Err:  | 5% of cyl | N/A | N/A | N/A | N/A | 1.250 | 0.440  |  |  |
| High %Err: | N/A       | N/A | N/A | N/A | N/A | 0.100 | 0.230  |  |  |

#### Initial Bias Data

|              |               |        |        |       |        |       |       |  |  |
|--------------|---------------|--------|--------|-------|--------|-------|-------|--|--|
|              | Zero reading: | 0.024  | 0.001  | 0.110 | 0.002  | 0.287 | 0.104 |  |  |
|              | Span reading: | 11.50  | 3.947  | 2.636 | 2.396  | 50.81 | 50.00 |  |  |
| Zero % bias: | <5.0          | 0.009  | 0.024  | 2.372 | -0.158 | N/A   | N/A   |  |  |
| Span % bias: | <5.0          | -0.331 | -0.370 | 0.929 | -3.173 | N/A   | N/A   |  |  |

#### Final Bias Data

|               |               |        |        |        |        |        |        |  |  |
|---------------|---------------|--------|--------|--------|--------|--------|--------|--|--|
|               | Zero reading: | -0.101 | -0.064 | 0.032  | 0.002  | -0.143 | -0.183 |  |  |
|               | Span reading: | 11.28  | 3.788  | 2.516  | 2.341  | 48.75  | 48.72  |  |  |
| Zero % bias:  | <5.0          | -0.582 | -0.752 | 0.830  | -0.158 | N/A    | N/A    |  |  |
| Span % bias:  | <5.0          | -1.373 | -2.268 | -1.443 | -4.257 | N/A    | N/A    |  |  |
| Zero % drift: | <3.0          | 0.591  | 0.776  | 1.542  | 0.000  | N/A    | N/A    |  |  |
| Span % drift: | <3.0          | 1.042  | 1.898  | 2.372  | 1.084  | N/A    | N/A    |  |  |
| Zero drift:   | <3.0% span    | N/A    | N/A    | N/A    | N/A    | 0.430  | 0.287  |  |  |
| Span drift:   | <3.0% span    | N/A    | N/A    | N/A    | N/A    | 2.060  | 1.280  |  |  |

#### Bias Corrected Averages

|          |       |       |       |       |       |       |  |  |
|----------|-------|-------|-------|-------|-------|-------|--|--|
| Cor Avg: | 12.81 | 4.540 | 1.224 | 2.396 | 18.62 | 18.61 |  |  |
|----------|-------|-------|-------|-------|-------|-------|--|--|



## MAQDAQ 1.0

|                       |                             |                        |                            |
|-----------------------|-----------------------------|------------------------|----------------------------|
| Project Name: SVP DVR | Project Number: PROJ-042969 | CEMS Operator: N.PATEL | Unit/Condition: UNIT 2 MAX |
| Run Length: 30        | Record Interval: 6          | Average Interval: 60   | Triplicate Sampling: False |
| Traverse: True        | Ports: 1                    | Points per port: 6     | DAQ Device: DT9803(01)     |

### Run 3 Average Results - RUN 3 1035-1105

10:29:00 - 10:59:00

|                       | Name:       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) | NOX (NO-2) | THC (VO 20) | CH3 (VO14) |  |  |
|-----------------------|-------------|------------|-------------|-----------|------------|-------------|------------|--|--|
|                       | Make/Model: |            |             |           |            |             |            |  |  |
| Jul 18 2024           | 10:30:00    | 12.57      | 4.435       | 1.176     | 2.383      | 14.81       | 14.86      |  |  |
| Jul 18 2024           | 10:31:00    | 12.57      | 4.434       | 1.183     | 2.389      | 16.00       | 16.11      |  |  |
| Jul 18 2024           | 10:32:00    | 12.55      | 4.435       | 1.195     | 2.357      | 16.45       | 16.30      |  |  |
| Jul 18 2024           | 10:33:00    | 12.56      | 4.434       | 1.193     | 2.374      | 15.34       | 15.36      |  |  |
| Jul 18 2024           | 10:34:00    | 12.57      | 4.434       | 1.166     | 2.391      | 15.15       | 15.14      |  |  |
| End of port 1 point 1 |             |            |             |           |            |             |            |  |  |
| Jul 18 2024           | 10:35:00    | 12.58      | 4.436       | 1.169     | 2.388      | 15.64       | 15.61      |  |  |
| Jul 18 2024           | 10:36:00    | 12.56      | 4.431       | 1.177     | 2.401      | 15.53       | 15.47      |  |  |
| Jul 18 2024           | 10:37:00    | 12.56      | 4.435       | 1.161     | 2.369      | 15.21       | 15.10      |  |  |
| Jul 18 2024           | 10:38:00    | 12.57      | 4.431       | 1.145     | 2.400      | 15.53       | 15.64      |  |  |
| Jul 18 2024           | 10:39:00    | 12.56      | 4.433       | 1.168     | 2.369      | 15.01       | 14.93      |  |  |
| End of port 1 point 2 |             |            |             |           |            |             |            |  |  |
| Jul 18 2024           | 10:40:00    | 12.57      | 4.433       | 1.159     | 2.355      | 16.02       | 15.94      |  |  |
| Jul 18 2024           | 10:41:00    | 12.55      | 4.435       | 1.186     | 2.381      | 16.61       | 16.48      |  |  |
| Jul 18 2024           | 10:42:00    | 12.56      | 4.433       | 1.192     | 2.369      | 16.87       | 16.90      |  |  |
| Jul 18 2024           | 10:43:00    | 12.56      | 4.430       | 1.182     | 2.374      | 16.19       | 16.18      |  |  |
| Jul 18 2024           | 10:44:00    | 12.56      | 4.431       | 1.170     | 2.384      | 16.93       | 16.97      |  |  |
| End of port 1 point 3 |             |            |             |           |            |             |            |  |  |
| Jul 18 2024           | 10:45:00    | 12.54      | 4.432       | 1.168     | 2.362      | 16.09       | 16.05      |  |  |
| Jul 18 2024           | 10:46:00    | 12.55      | 4.434       | 1.209     | 2.374      | 16.79       | 16.85      |  |  |
| Jul 18 2024           | 10:47:00    | 12.56      | 4.431       | 1.191     | 2.378      | 16.51       | 16.64      |  |  |
| Jul 18 2024           | 10:48:00    | 12.57      | 4.434       | 1.203     | 2.373      | 16.21       | 16.20      |  |  |
| Jul 18 2024           | 10:49:00    | 12.56      | 4.430       | 1.182     | 2.372      | 15.94       | 15.97      |  |  |
| End of port 1 point 4 |             |            |             |           |            |             |            |  |  |
| Jul 18 2024           | 10:50:00    | 12.56      | 4.434       | 1.175     | 2.366      | 15.69       | 15.65      |  |  |
| Jul 18 2024           | 10:51:00    | 12.55      | 4.429       | 1.180     | 2.373      | 17.16       | 17.28      |  |  |
| Jul 18 2024           | 10:52:00    | 12.55      | 4.426       | 1.198     | 2.367      | 16.49       | 16.43      |  |  |
| Jul 18 2024           | 10:53:00    | 12.56      | 4.427       | 1.192     | 2.380      | 15.65       | 15.47      |  |  |
| Jul 18 2024           | 10:54:00    | 12.56      | 4.429       | 1.168     | 2.370      | 16.03       | 15.97      |  |  |
| End of port 1 point 5 |             |            |             |           |            |             |            |  |  |
| Jul 18 2024           | 10:55:00    | 12.55      | 4.433       | 1.182     | 2.392      | 16.17       | 16.19      |  |  |
| Jul 18 2024           | 10:56:00    | 12.54      | 4.431       | 1.189     | 2.384      | 16.44       | 16.32      |  |  |
| Jul 18 2024           | 10:57:00    | 12.54      | 4.432       | 1.171     | 2.370      | 15.68       | 15.57      |  |  |
| Jul 18 2024           | 10:58:00    | 12.56      | 4.430       | 1.172     | 2.371      | 16.87       | 16.80      |  |  |
| Jul 18 2024           | 10:59:00    | 12.55      | 4.433       | 1.186     | 2.376      | 16.52       | 16.39      |  |  |
| End of port 1 point 6 |             |            |             |           |            |             |            |  |  |
|                       | Average:    | 12.56      | 4.432       | 1.180     | 2.376      | 16.05       | 16.03      |  |  |
|                       | Max:        | 12.58      | 4.436       | 1.209     | 2.401      | 17.16       | 17.28      |  |  |
|                       | Min:        | 12.54      | 4.426       | 1.145     | 2.355      | 14.81       | 14.86      |  |  |

### Stratification Results

| Port | Point | O2 (OX-10) | CO2 (CD-10) | CO (CO21) | NOX (NO-2) | THC (VO 20) | CH3 (VO14) |  |  |
|------|-------|------------|-------------|-----------|------------|-------------|------------|--|--|
| 1    | 1     | 12.58      | 4.434       | 1.192     | 2.385      | 14.89       | 14.79      |  |  |
| 1    | 2     | 12.56      | 4.434       | 1.141     | 2.391      | 15.56       | 15.50      |  |  |
| 1    | 3     | 12.56      | 4.431       | 1.197     | 2.392      | 15.18       | 15.08      |  |  |
| 1    | 4     | 12.57      | 4.433       | 1.208     | 2.373      | 16.07       | 16.18      |  |  |



| MAQDAQ 1.0            |                             |                        |                            |
|-----------------------|-----------------------------|------------------------|----------------------------|
| Project Name: SVP DVR | Project Number: PROJ-042969 | CEMS Operator: N.PATEL | Unit/Condition: UNIT 2 MAX |
| Run Length: 30        | Record Interval: 6          | Average Interval: 60   | Triplicate Sampling: False |
| Traverse: True        | Ports: 1                    | Points per port: 6     | DAQ Device: DT9803(01)     |

|   |                    |       |       |       |       |       |       |  |  |
|---|--------------------|-------|-------|-------|-------|-------|-------|--|--|
| 1 | 5                  | 12.56 | 4.429 | 1.181 | 2.362 | 16.37 | 16.40 |  |  |
| 1 | 6                  | 12.55 | 4.434 | 1.171 | 2.384 | 16.75 | 16.72 |  |  |
|   | <b>Strat diff:</b> | 0.017 | 0.002 | 0.026 | 0.011 | 0.947 | 0.942 |  |  |
|   | <b>Strat %:</b>    | 0.133 | 0.079 | 3.441 | 0.805 | 5.990 | 6.264 |  |  |



## MAQDAQ 1.0

|                       |                             |                        |                            |
|-----------------------|-----------------------------|------------------------|----------------------------|
| Project Name: SVP DVR | Project Number: PROJ-042969 | CEMS Operator: N.PATEL | Unit/Condition: UNIT 2 MAX |
| Run Length: 30        | Record Interval: 6          | Average Interval: 60   | Triplicate Sampling: False |
| Traverse: True        | Ports: 1                    | Points per port: 6     | DAQ Device: DT9803(01)     |

### Run 3 Post run bias - RUN 3 1035-1105

10:29:00 - 10:59:00

|             |            |             |           |            |             |            |  |  |
|-------------|------------|-------------|-----------|------------|-------------|------------|--|--|
| Name:       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) | NOX (NO-2) | THC (VO 20) | CH3 (VO14) |  |  |
| Make/Model: |            |             |           |            |             |            |  |  |
| 25A or 7E:  | 7E         | 7E          | 7E        | 7E         | 25A         | 25A        |  |  |

#### Run summary data

|          |       |       |       |       |       |       |  |  |
|----------|-------|-------|-------|-------|-------|-------|--|--|
| Raw Avg: | 12.56 | 4.432 | 1.180 | 2.376 | 16.05 | 16.03 |  |  |
| Max:     | 12.58 | 4.436 | 1.209 | 2.401 | 17.16 | 17.28 |  |  |
| Min:     | 12.54 | 4.426 | 1.145 | 2.355 | 14.81 | 14.86 |  |  |

#### Cylinder Concentrations

|       |       |       |       |       |       |       |  |  |
|-------|-------|-------|-------|-------|-------|-------|--|--|
| Zero: | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |  |  |
| Low:  |       |       |       |       | 29.85 | 29.85 |  |  |
| Mid:  | 11.61 | 3.985 | 2.496 | 2.488 | 49.56 | 49.56 |  |  |
| High: | 21.12 | 8.376 | 5.059 | 5.074 | 85.01 | 85.01 |  |  |

#### Calibration Readings

|               |       |        |        |       |       |       |  |  |
|---------------|-------|--------|--------|-------|-------|-------|--|--|
| Zero reading: | 0.022 | -0.001 | -0.010 | 0.010 | 0.287 | 0.104 |  |  |
| Low reading:  |       |        |        |       | 30.11 | 29.84 |  |  |
| Mid reading:  | 11.57 | 3.978  | 2.589  | 2.557 | 50.81 | 50.00 |  |  |
| High reading: | 21.03 | 8.378  | 5.043  | 5.073 | 85.11 | 85.24 |  |  |

#### EPA Method 7E Error Calculations

|            |      |        |        |        |        |     |     |  |  |
|------------|------|--------|--------|--------|--------|-----|-----|--|--|
| Zero %Err: | <2.0 | 0.104  | -0.012 | -0.198 | 0.197  | N/A | N/A |  |  |
| Mid %Err:  | <2.0 | -0.189 | -0.084 | 1.838  | 1.360  | N/A | N/A |  |  |
| High %Err: | <2.0 | -0.426 | 0.024  | -0.316 | -0.020 | N/A | N/A |  |  |

#### EPA Method 25A Error Calculations

|            |           |     |     |     |     |       |        |  |  |
|------------|-----------|-----|-----|-----|-----|-------|--------|--|--|
| Zero %Err: | N/A       | N/A | N/A | N/A | N/A | 0.287 | 0.104  |  |  |
| Low %Err:  | 5% of cyl | N/A | N/A | N/A | N/A | 0.260 | -0.010 |  |  |
| Mid %Err:  | 5% of cyl | N/A | N/A | N/A | N/A | 1.250 | 0.440  |  |  |
| High %Err: | N/A       | N/A | N/A | N/A | N/A | 0.100 | 0.230  |  |  |

#### Initial Bias Data

|              |               |        |        |        |        |        |        |  |  |
|--------------|---------------|--------|--------|--------|--------|--------|--------|--|--|
|              | Zero reading: | -0.101 | -0.064 | 0.032  | 0.002  | -0.143 | -0.183 |  |  |
|              | Span reading: | 11.28  | 3.788  | 2.516  | 2.341  | 48.75  | 48.72  |  |  |
| Zero % bias: | <5.0          | -0.582 | -0.752 | 0.830  | -0.158 | N/A    | N/A    |  |  |
| Span % bias: | <5.0          | -1.373 | -2.268 | -1.443 | -4.257 | N/A    | N/A    |  |  |

#### Final Bias Data

|               |               |        |        |        |        |        |        |  |  |
|---------------|---------------|--------|--------|--------|--------|--------|--------|--|--|
|               | Zero reading: | -0.113 | -0.088 | 0.008  | 0.002  | 0.061  | -0.085 |  |  |
|               | Span reading: | 11.31  | 3.783  | 2.456  | 2.365  | 48.94  | 48.84  |  |  |
| Zero % bias:  | <5.0          | -0.639 | -1.039 | 0.356  | -0.158 | N/A    | N/A    |  |  |
| Span % bias:  | <5.0          | -1.231 | -2.328 | -2.629 | -3.784 | N/A    | N/A    |  |  |
| Zero % drift: | <3.0          | 0.057  | 0.287  | 0.474  | 0.000  | N/A    | N/A    |  |  |
| Span % drift: | <3.0          | 0.142  | 0.060  | 1.186  | 0.473  | N/A    | N/A    |  |  |
| Zero drift:   | <3.0% span    | N/A    | N/A    | N/A    | N/A    | -0.204 | -0.098 |  |  |
| Span drift:   | <3.0% span    | N/A    | N/A    | N/A    | N/A    | -0.190 | -0.120 |  |  |

#### Bias Corrected Averages

|          |       |       |       |       |       |       |  |  |
|----------|-------|-------|-------|-------|-------|-------|--|--|
| Cor Avg: | 12.90 | 4.652 | 1.174 | 2.512 | 16.05 | 16.03 |  |  |
|----------|-------|-------|-------|-------|-------|-------|--|--|



| MAQDAQ 1.0            |                             |                        |                            |
|-----------------------|-----------------------------|------------------------|----------------------------|
| Project Name: SVP DVR | Project Number: PROJ-042969 | CEMS Operator: N.PATEL | Unit/Condition: UNIT 2 MAX |
| Run Length: 30        | Record Interval: 6          | Average Interval: 60   | Triplicate Sampling: False |
| Traverse: True        | Ports: 1                    | Points per port: 3     | DAQ Device: DT9803(01)     |

### Run 4 Average Results - RUN 4 1114-1144

11:08:00 - 11:38:00

|                       | Name:       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) | NOX (NO-2) | THC (VO 20) | CH3 (VO14) |  |  |
|-----------------------|-------------|------------|-------------|-----------|------------|-------------|------------|--|--|
|                       | Make/Model: |            |             |           |            |             |            |  |  |
| Jul 18 2024           | 11:09:00    | 12.56      | 4.416       | 1.154     | 2.387      | 14.53       | 14.53      |  |  |
| Jul 18 2024           | 11:10:00    | 12.57      | 4.420       | 1.163     | 2.360      | 15.94       | 15.97      |  |  |
| Jul 18 2024           | 11:11:00    | 12.57      | 4.417       | 1.162     | 2.361      | 15.53       | 15.58      |  |  |
| Jul 18 2024           | 11:12:00    | 12.58      | 4.417       | 1.186     | 2.350      | 16.15       | 16.24      |  |  |
| Jul 18 2024           | 11:13:00    | 12.57      | 4.419       | 1.185     | 2.342      | 16.97       | 16.90      |  |  |
| Jul 18 2024           | 11:14:00    | 12.57      | 4.418       | 1.164     | 2.378      | 15.47       | 15.48      |  |  |
| Jul 18 2024           | 11:15:00    | 12.58      | 4.419       | 1.164     | 2.360      | 15.32       | 15.30      |  |  |
| Jul 18 2024           | 11:16:00    | 12.58      | 4.419       | 1.179     | 2.366      | 16.71       | 16.71      |  |  |
| Jul 18 2024           | 11:17:00    | 12.56      | 4.426       | 1.215     | 2.367      | 17.19       | 17.10      |  |  |
| Jul 18 2024           | 11:18:00    | 12.58      | 4.422       | 1.177     | 2.331      | 15.84       | 15.77      |  |  |
| End of port 1 point 1 |             |            |             |           |            |             |            |  |  |
| Jul 18 2024           | 11:19:00    | 12.57      | 4.428       | 1.177     | 2.360      | 15.80       | 15.88      |  |  |
| Jul 18 2024           | 11:20:00    | 12.57      | 4.426       | 1.153     | 2.371      | 15.62       | 15.66      |  |  |
| Jul 18 2024           | 11:21:00    | 12.57      | 4.428       | 1.167     | 2.363      | 16.89       | 16.82      |  |  |
| Jul 18 2024           | 11:22:00    | 12.57      | 4.428       | 1.178     | 2.385      | 15.77       | 15.82      |  |  |
| Jul 18 2024           | 11:23:00    | 12.57      | 4.433       | 1.173     | 2.390      | 15.72       | 15.80      |  |  |
| Jul 18 2024           | 11:24:00    | 12.56      | 4.434       | 1.177     | 2.358      | 15.87       | 15.83      |  |  |
| Jul 18 2024           | 11:25:00    | 12.56      | 4.435       | 1.176     | 2.365      | 17.10       | 17.14      |  |  |
| Jul 18 2024           | 11:26:00    | 12.55      | 4.436       | 1.223     | 2.391      | 17.79       | 17.77      |  |  |
| Jul 18 2024           | 11:27:00    | 12.56      | 4.433       | 1.181     | 2.353      | 14.49       | 14.59      |  |  |
| Jul 18 2024           | 11:28:00    | 12.56      | 4.435       | 1.194     | 2.366      | 17.28       | 17.26      |  |  |
| End of port 1 point 2 |             |            |             |           |            |             |            |  |  |
| Jul 18 2024           | 11:29:00    | 12.56      | 4.434       | 1.177     | 2.388      | 16.07       | 16.10      |  |  |
| Jul 18 2024           | 11:30:00    | 12.57      | 4.434       | 1.217     | 2.360      | 17.25       | 17.23      |  |  |
| Jul 18 2024           | 11:31:00    | 12.58      | 4.433       | 1.194     | 2.362      | 16.08       | 16.19      |  |  |
| Jul 18 2024           | 11:32:00    | 12.57      | 4.437       | 1.203     | 2.363      | 16.19       | 16.19      |  |  |
| Jul 18 2024           | 11:33:00    | 12.57      | 4.432       | 1.193     | 2.352      | 16.18       | 16.12      |  |  |
| Jul 18 2024           | 11:34:00    | 12.57      | 4.436       | 1.188     | 2.379      | 16.29       | 16.31      |  |  |
| Jul 18 2024           | 11:35:00    | 12.56      | 4.437       | 1.176     | 2.378      | 15.87       | 15.83      |  |  |
| Jul 18 2024           | 11:36:00    | 12.57      | 4.440       | 1.182     | 2.363      | 15.72       | 15.67      |  |  |
| Jul 18 2024           | 11:37:00    | 12.56      | 4.440       | 1.177     | 2.350      | 15.86       | 15.85      |  |  |
| Jul 18 2024           | 11:38:00    | 12.56      | 4.441       | 1.192     | 2.376      | 16.19       | 16.29      |  |  |
| End of port 1 point 3 |             |            |             |           |            |             |            |  |  |
|                       | Average:    | 12.57      | 4.429       | 1.182     | 2.366      | 16.12       | 16.13      |  |  |
|                       | Max:        | 12.58      | 4.441       | 1.223     | 2.391      | 17.79       | 17.77      |  |  |
|                       | Min:        | 12.55      | 4.416       | 1.153     | 2.331      | 14.49       | 14.53      |  |  |

### Stratification Results

| Port | Point       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) | NOX (NO-2) | THC (VO 20) | CH3 (VO14) |  |  |
|------|-------------|------------|-------------|-----------|------------|-------------|------------|--|--|
| 1    | 1           | 12.57      | 4.421       | 1.176     | 2.358      | 15.96       | 15.91      |  |  |
| 1    | 2           | 12.55      | 4.433       | 1.183     | 2.380      | 15.58       | 15.62      |  |  |
| 1    | 3           | 12.57      | 4.435       | 1.185     | 2.373      | 16.12       | 16.20      |  |  |
|      | Strat diff: | 0.007      | 0.005       | 0.004     | 0.010      | 0.233       | 0.290      |  |  |
|      | Strat %:    | 0.106      | 0.196       | 0.451     | 0.520      | 1.930       | 1.823      |  |  |



## MAQDAQ 1.0

|                       |                             |                        |                            |
|-----------------------|-----------------------------|------------------------|----------------------------|
| Project Name: SVP DVR | Project Number: PROJ-042969 | CEMS Operator: N.PATEL | Unit/Condition: UNIT 2 MAX |
| Run Length: 30        | Record Interval: 6          | Average Interval: 60   | Triplicate Sampling: False |
| Traverse: True        | Ports: 1                    | Points per port: 3     | DAQ Device: DT9803(01)     |

### Run 4 Post run bias - RUN 4 1114-1144

11:08:00 - 11:38:00

|             |            |             |           |            |             |            |  |  |
|-------------|------------|-------------|-----------|------------|-------------|------------|--|--|
| Name:       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) | NOX (NO-2) | THC (VO 20) | CH3 (VO14) |  |  |
| Make/Model: |            |             |           |            |             |            |  |  |
| 25A or 7E:  | 7E         | 7E          | 7E        | 7E         | 25A         | 25A        |  |  |

#### Run summary data

|          |       |       |       |       |       |       |  |  |
|----------|-------|-------|-------|-------|-------|-------|--|--|
| Raw Avg: | 12.57 | 4.429 | 1.182 | 2.366 | 16.12 | 16.13 |  |  |
| Max:     | 12.58 | 4.441 | 1.223 | 2.391 | 17.79 | 17.77 |  |  |
| Min:     | 12.55 | 4.416 | 1.153 | 2.331 | 14.49 | 14.53 |  |  |

#### Cylinder Concentrations

|       |       |       |       |       |       |       |  |  |
|-------|-------|-------|-------|-------|-------|-------|--|--|
| Zero: | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |  |  |
| Low:  |       |       |       |       | 29.85 | 29.85 |  |  |
| Mid:  | 11.61 | 3.985 | 2.496 | 2.488 | 49.56 | 49.56 |  |  |
| High: | 21.12 | 8.376 | 5.059 | 5.074 | 85.01 | 85.01 |  |  |

#### Calibration Readings

|               |       |        |        |       |       |       |  |  |
|---------------|-------|--------|--------|-------|-------|-------|--|--|
| Zero reading: | 0.022 | -0.001 | -0.010 | 0.010 | 0.287 | 0.104 |  |  |
| Low reading:  |       |        |        |       | 30.11 | 29.84 |  |  |
| Mid reading:  | 11.57 | 3.978  | 2.589  | 2.557 | 50.81 | 50.00 |  |  |
| High reading: | 21.03 | 8.378  | 5.043  | 5.073 | 85.11 | 85.24 |  |  |

#### EPA Method 7E Error Calculations

|            |      |        |        |        |        |     |     |  |  |
|------------|------|--------|--------|--------|--------|-----|-----|--|--|
| Zero %Err: | <2.0 | 0.104  | -0.012 | -0.198 | 0.197  | N/A | N/A |  |  |
| Mid %Err:  | <2.0 | -0.189 | -0.084 | 1.838  | 1.360  | N/A | N/A |  |  |
| High %Err: | <2.0 | -0.426 | 0.024  | -0.316 | -0.020 | N/A | N/A |  |  |

#### EPA Method 25A Error Calculations

|            |           |     |     |     |     |       |        |  |  |
|------------|-----------|-----|-----|-----|-----|-------|--------|--|--|
| Zero %Err: | N/A       | N/A | N/A | N/A | N/A | 0.287 | 0.104  |  |  |
| Low %Err:  | 5% of cyl | N/A | N/A | N/A | N/A | 0.260 | -0.010 |  |  |
| Mid %Err:  | 5% of cyl | N/A | N/A | N/A | N/A | 1.250 | 0.440  |  |  |
| High %Err: | N/A       | N/A | N/A | N/A | N/A | 0.100 | 0.230  |  |  |

#### Initial Bias Data

|              |               |        |        |        |        |       |        |  |  |
|--------------|---------------|--------|--------|--------|--------|-------|--------|--|--|
|              | Zero reading: | -0.113 | -0.088 | 0.008  | 0.002  | 0.061 | -0.085 |  |  |
|              | Span reading: | 11.31  | 3.783  | 2.456  | 2.365  | 48.94 | 48.84  |  |  |
| Zero % bias: | <5.0          | -0.639 | -1.039 | 0.356  | -0.158 | N/A   | N/A    |  |  |
| Span % bias: | <5.0          | -1.231 | -2.328 | -2.629 | -3.784 | N/A   | N/A    |  |  |

#### Final Bias Data

|               |               |        |        |        |        |        |        |  |  |
|---------------|---------------|--------|--------|--------|--------|--------|--------|--|--|
|               | Zero reading: | -0.059 | -0.060 | 0.025  | 0.002  | -0.339 | -0.253 |  |  |
|               | Span reading: | 11.30  | 3.801  | 2.498  | 2.353  | 49.12  | 48.86  |  |  |
| Zero % bias:  | <5.0          | -0.384 | -0.704 | 0.692  | -0.158 | N/A    | N/A    |  |  |
| Span % bias:  | <5.0          | -1.278 | -2.113 | -1.799 | -4.021 | N/A    | N/A    |  |  |
| Zero % drift: | <3.0          | 0.255  | 0.335  | 0.336  | 0.000  | N/A    | N/A    |  |  |
| Span % drift: | <3.0          | 0.047  | 0.215  | 0.830  | 0.236  | N/A    | N/A    |  |  |
| Zero drift:   | <3.0% span    | N/A    | N/A    | N/A    | N/A    | 0.400  | 0.168  |  |  |
| Span drift:   | <3.0% span    | N/A    | N/A    | N/A    | N/A    | -0.180 | -0.020 |  |  |

#### Bias Corrected Averages

|          |       |       |       |       |       |       |  |  |
|----------|-------|-------|-------|-------|-------|-------|--|--|
| Cor Avg: | 12.90 | 4.642 | 1.182 | 2.495 | 16.12 | 16.13 |  |  |
|----------|-------|-------|-------|-------|-------|-------|--|--|



| MAQDAQ 1.0            |                             |                        |                            |
|-----------------------|-----------------------------|------------------------|----------------------------|
| Project Name: SVP DVR | Project Number: PROJ-042969 | CEMS Operator: N.PATEL | Unit/Condition: UNIT 2 MAX |
| Run Length: 21        | Record Interval: 6          | Average Interval: 60   | Triplicate Sampling: False |
| Traverse: True        | Ports: 1                    | Points per port: 3     | DAQ Device: DT9803(01)     |

### Run 5 Average Results - RUN 5 1153-1204

11:47:00 - 12:08:00

|                       | Name:       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) | NOX (NO-2) |  |  |  |  |
|-----------------------|-------------|------------|-------------|-----------|------------|--|--|--|--|
|                       | Make/Model: |            |             |           |            |  |  |  |  |
| Jul 18 2024           | 11:48:00    | 12.58      | 4.443       | 1.138     | 2.375      |  |  |  |  |
| Jul 18 2024           | 11:49:00    | 12.59      | 4.444       | 1.170     | 2.371      |  |  |  |  |
| Jul 18 2024           | 11:50:00    | 12.60      | 4.448       | 1.189     | 2.340      |  |  |  |  |
| Jul 18 2024           | 11:51:00    | 12.60      | 4.445       | 1.144     | 2.359      |  |  |  |  |
| Jul 18 2024           | 11:52:00    | 12.60      | 4.451       | 1.151     | 2.350      |  |  |  |  |
| Jul 18 2024           | 11:53:00    | 12.60      | 4.443       | 1.152     | 2.344      |  |  |  |  |
| Jul 18 2024           | 11:54:00    | 12.60      | 4.449       | 1.191     | 2.350      |  |  |  |  |
| End of port 1 point 1 |             |            |             |           |            |  |  |  |  |
| Jul 18 2024           | 11:55:00    | 12.61      | 4.448       | 1.179     | 2.357      |  |  |  |  |
| Jul 18 2024           | 11:56:00    | 12.61      | 4.450       | 1.180     | 2.355      |  |  |  |  |
| Jul 18 2024           | 11:57:00    | 12.60      | 4.452       | 1.169     | 2.342      |  |  |  |  |
| Jul 18 2024           | 11:58:00    | 12.60      | 4.456       | 1.173     | 2.370      |  |  |  |  |
| Jul 18 2024           | 11:59:00    | 12.60      | 4.459       | 1.181     | 2.356      |  |  |  |  |
| Jul 18 2024           | 12:00:00    | 12.60      | 4.461       | 1.133     | 2.372      |  |  |  |  |
| Jul 18 2024           | 12:01:00    | 12.59      | 4.467       | 1.170     | 2.383      |  |  |  |  |
| End of port 1 point 2 |             |            |             |           |            |  |  |  |  |
| Jul 18 2024           | 12:02:00    | 12.59      | 4.463       | 1.176     | 2.343      |  |  |  |  |
| Jul 18 2024           | 12:03:00    | 12.60      | 4.467       | 1.187     | 2.359      |  |  |  |  |
| Jul 18 2024           | 12:04:00    | 12.59      | 4.466       | 1.166     | 2.361      |  |  |  |  |
| Jul 18 2024           | 12:05:00    | 12.60      | 4.468       | 1.172     | 2.353      |  |  |  |  |
| Jul 18 2024           | 12:06:00    | 12.60      | 4.463       | 1.172     | 2.329      |  |  |  |  |
| Jul 18 2024           | 12:07:00    | 12.60      | 4.466       | 1.154     | 2.361      |  |  |  |  |
| Jul 18 2024           | 12:08:00    | 12.60      | 4.468       | 1.141     | 2.345      |  |  |  |  |
| End of port 1 point 3 |             |            |             |           |            |  |  |  |  |
|                       | Average:    | 12.60      | 4.456       | 1.166     | 2.356      |  |  |  |  |
|                       | Max:        | 12.61      | 4.468       | 1.191     | 2.383      |  |  |  |  |
|                       | Min:        | 12.58      | 4.443       | 1.133     | 2.329      |  |  |  |  |

### Stratification Results

| Port | Point       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) | NOX (NO-2) |  |  |  |  |
|------|-------------|------------|-------------|-----------|------------|--|--|--|--|
| 1    | 1           | 12.60      | 4.447       | 1.159     | 2.360      |  |  |  |  |
| 1    | 2           | 12.59      | 4.459       | 1.157     | 2.364      |  |  |  |  |
| 1    | 3           | 12.59      | 4.465       | 1.189     | 2.348      |  |  |  |  |
|      | Strat diff: | 0.007      | 0.008       | 0.021     | 0.007      |  |  |  |  |
|      | Strat %:    | 0.053      | 0.224       | 1.769     | 0.396      |  |  |  |  |



## MAQDAQ 1.0

|                       |                             |                        |                            |
|-----------------------|-----------------------------|------------------------|----------------------------|
| Project Name: SVP DVR | Project Number: PROJ-042969 | CEMS Operator: N.PATEL | Unit/Condition: UNIT 2 MAX |
| Run Length: 21        | Record Interval: 6          | Average Interval: 60   | Triplicate Sampling: False |
| Traverse: True        | Ports: 1                    | Points per port: 3     | DAQ Device: DT9803(01)     |

### Run 5 Post run bias - RUN 5 1153-1204

11:47:00 - 12:08:00

|                    |            |             |           |            |  |  |  |  |
|--------------------|------------|-------------|-----------|------------|--|--|--|--|
| <b>Name:</b>       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) | NOX (NO-2) |  |  |  |  |
| <b>Make/Model:</b> |            |             |           |            |  |  |  |  |
| <b>25A or 7E:</b>  | 7E         | 7E          | 7E        | 7E         |  |  |  |  |

#### Run summary data

|                 |       |       |       |       |  |  |  |  |
|-----------------|-------|-------|-------|-------|--|--|--|--|
| <b>Raw Avg:</b> | 12.60 | 4.456 | 1.166 | 2.356 |  |  |  |  |
| <b>Max:</b>     | 12.61 | 4.468 | 1.191 | 2.383 |  |  |  |  |
| <b>Min:</b>     | 12.58 | 4.443 | 1.133 | 2.329 |  |  |  |  |

#### Cylinder Concentrations

|              |       |       |       |       |  |  |  |  |
|--------------|-------|-------|-------|-------|--|--|--|--|
| <b>Zero:</b> | 0.000 | 0.000 | 0.000 | 0.000 |  |  |  |  |
| <b>Low:</b>  |       |       |       |       |  |  |  |  |
| <b>Mid:</b>  | 11.61 | 3.985 | 2.496 | 2.488 |  |  |  |  |
| <b>High:</b> | 21.12 | 8.376 | 5.059 | 5.074 |  |  |  |  |

#### Calibration Readings

|                      |       |        |        |       |  |  |  |  |
|----------------------|-------|--------|--------|-------|--|--|--|--|
| <b>Zero reading:</b> | 0.022 | -0.001 | -0.010 | 0.010 |  |  |  |  |
| <b>Low reading:</b>  |       |        |        |       |  |  |  |  |
| <b>Mid reading:</b>  | 11.57 | 3.978  | 2.589  | 2.557 |  |  |  |  |
| <b>High reading:</b> | 21.03 | 8.378  | 5.043  | 5.073 |  |  |  |  |

#### EPA Method 7E Error Calculations

|                   |      |        |        |        |        |  |  |  |
|-------------------|------|--------|--------|--------|--------|--|--|--|
| <b>Zero %Err:</b> | <2.0 | 0.104  | -0.012 | -0.198 | 0.197  |  |  |  |
| <b>Mid %Err:</b>  | <2.0 | -0.189 | -0.084 | 1.838  | 1.360  |  |  |  |
| <b>High %Err:</b> | <2.0 | -0.426 | 0.024  | -0.316 | -0.020 |  |  |  |

#### Initial Bias Data

|                      |        |        |        |        |        |  |  |  |
|----------------------|--------|--------|--------|--------|--------|--|--|--|
| <b>Zero reading:</b> | -0.059 | -0.060 | 0.025  | 0.002  |        |  |  |  |
| <b>Span reading:</b> | 11.30  | 3.801  | 2.498  | 2.353  |        |  |  |  |
| <b>Zero % bias:</b>  | <5.0   | -0.384 | -0.704 | 0.692  | -0.158 |  |  |  |
| <b>Span % bias:</b>  | <5.0   | -1.278 | -2.113 | -1.799 | -4.021 |  |  |  |

#### Final Bias Data

|                      |        |        |        |        |        |  |  |  |
|----------------------|--------|--------|--------|--------|--------|--|--|--|
| <b>Zero reading:</b> | -0.090 | -0.062 | 0.020  | 0.002  |        |  |  |  |
| <b>Span reading:</b> | 11.35  | 3.841  | 2.433  | 2.318  |        |  |  |  |
| <b>Zero % bias:</b>  | <5.0   | -0.530 | -0.728 | 0.593  | -0.158 |  |  |  |
| <b>Span % bias:</b>  | <5.0   | -1.042 | -1.636 | -3.084 | -4.710 |  |  |  |
| <b>Zero % drift:</b> | <3.0   | 0.146  | 0.024  | 0.099  | 0.000  |  |  |  |
| <b>Span % drift:</b> | <3.0   | 0.236  | 0.477  | 1.285  | 0.690  |  |  |  |

#### Bias Corrected Averages

|                 |       |       |       |       |  |  |  |  |
|-----------------|-------|-------|-------|-------|--|--|--|--|
| <b>Cor Avg:</b> | 12.91 | 4.637 | 1.168 | 2.510 |  |  |  |  |
|-----------------|-------|-------|-------|-------|--|--|--|--|



| MAQDAQ 1.0            |                             |                        |                            |
|-----------------------|-----------------------------|------------------------|----------------------------|
| Project Name: SVP DVR | Project Number: PROJ-042969 | CEMS Operator: N.PATEL | Unit/Condition: UNIT 2 MAX |
| Run Length: 21        | Record Interval: 6          | Average Interval: 60   | Triplicate Sampling: False |
| Traverse: True        | Ports: 1                    | Points per port: 3     | DAQ Device: DT9803(01)     |

### Run 6 Average Results - RUN 6 1221 1242

12:15:00 - 12:36:00

|                       | Name:       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) | NOX (NO-2) |  |  |  |  |
|-----------------------|-------------|------------|-------------|-----------|------------|--|--|--|--|
|                       | Make/Model: |            |             |           |            |  |  |  |  |
| Jul 18 2024           | 12:16:00    | 12.57      | 4.480       | 1.136     | 2.404      |  |  |  |  |
| Jul 18 2024           | 12:17:00    | 12.57      | 4.481       | 1.142     | 2.406      |  |  |  |  |
| Jul 18 2024           | 12:18:00    | 12.57      | 4.482       | 1.156     | 2.354      |  |  |  |  |
| Jul 18 2024           | 12:19:00    | 12.58      | 4.478       | 1.144     | 2.380      |  |  |  |  |
| Jul 18 2024           | 12:20:00    | 12.58      | 4.481       | 1.151     | 2.359      |  |  |  |  |
| Jul 18 2024           | 12:21:00    | 12.58      | 4.482       | 1.124     | 2.379      |  |  |  |  |
| Jul 18 2024           | 12:22:00    | 12.58      | 4.485       | 1.164     | 2.426      |  |  |  |  |
| End of port 1 point 1 |             |            |             |           |            |  |  |  |  |
| Jul 18 2024           | 12:23:00    | 12.57      | 4.487       | 1.127     | 2.349      |  |  |  |  |
| Jul 18 2024           | 12:24:00    | 12.57      | 4.486       | 1.169     | 2.400      |  |  |  |  |
| Jul 18 2024           | 12:25:00    | 12.57      | 4.489       | 1.179     | 2.390      |  |  |  |  |
| Jul 18 2024           | 12:26:00    | 12.57      | 4.484       | 1.152     | 2.414      |  |  |  |  |
| Jul 18 2024           | 12:27:00    | 12.56      | 4.492       | 1.150     | 2.414      |  |  |  |  |
| Jul 18 2024           | 12:28:00    | 12.57      | 4.490       | 1.174     | 2.422      |  |  |  |  |
| Jul 18 2024           | 12:29:00    | 12.56      | 4.499       | 1.142     | 2.388      |  |  |  |  |
| End of port 1 point 2 |             |            |             |           |            |  |  |  |  |
| Jul 18 2024           | 12:30:00    | 12.55      | 4.496       | 1.144     | 2.412      |  |  |  |  |
| Jul 18 2024           | 12:31:00    | 12.54      | 4.499       | 1.165     | 2.427      |  |  |  |  |
| Jul 18 2024           | 12:32:00    | 12.54      | 4.505       | 1.155     | 2.438      |  |  |  |  |
| Jul 18 2024           | 12:33:00    | 12.53      | 4.506       | 1.164     | 2.418      |  |  |  |  |
| Jul 18 2024           | 12:34:00    | 12.53      | 4.512       | 1.193     | 2.434      |  |  |  |  |
| Jul 18 2024           | 12:35:00    | 12.53      | 4.510       | 1.177     | 2.436      |  |  |  |  |
| Jul 18 2024           | 12:36:00    | 12.53      | 4.512       | 1.188     | 2.388      |  |  |  |  |
| End of port 1 point 3 |             |            |             |           |            |  |  |  |  |
|                       | Average:    | 12.56      | 4.492       | 1.157     | 2.402      |  |  |  |  |
|                       | Max:        | 12.58      | 4.512       | 1.193     | 2.438      |  |  |  |  |
|                       | Min:        | 12.53      | 4.478       | 1.124     | 2.349      |  |  |  |  |

### Stratification Results

| Port | Point       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) | NOX (NO-2) |  |  |  |  |
|------|-------------|------------|-------------|-----------|------------|--|--|--|--|
| 1    | 1           | 12.57      | 4.480       | 1.152     | 2.380      |  |  |  |  |
| 1    | 2           | 12.57      | 4.491       | 1.145     | 2.392      |  |  |  |  |
| 1    | 3           | 12.54      | 4.508       | 1.162     | 2.420      |  |  |  |  |
|      | Strat diff: | 0.010      | 0.015       | 0.009     | 0.023      |  |  |  |  |
|      | Strat %:    | 0.159      | 0.334       | 0.781     | 0.945      |  |  |  |  |



## MAQDAQ 1.0

|                       |                             |                        |                            |
|-----------------------|-----------------------------|------------------------|----------------------------|
| Project Name: SVP DVR | Project Number: PROJ-042969 | CEMS Operator: N.PATEL | Unit/Condition: UNIT 2 MAX |
| Run Length: 21        | Record Interval: 6          | Average Interval: 60   | Triplicate Sampling: False |
| Traverse: True        | Ports: 1                    | Points per port: 3     | DAQ Device: DT9803(01)     |

### Run 6 Post run bias - RUN 6 1221 1242

12:15:00 - 12:36:00

|                    |            |             |           |            |  |  |  |  |
|--------------------|------------|-------------|-----------|------------|--|--|--|--|
| <b>Name:</b>       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) | NOX (NO-2) |  |  |  |  |
| <b>Make/Model:</b> |            |             |           |            |  |  |  |  |
| <b>25A or 7E:</b>  | 7E         | 7E          | 7E        | 7E         |  |  |  |  |

#### Run summary data

|                 |       |       |       |       |  |  |  |  |
|-----------------|-------|-------|-------|-------|--|--|--|--|
| <b>Raw Avg:</b> | 12.56 | 4.492 | 1.157 | 2.402 |  |  |  |  |
| <b>Max:</b>     | 12.58 | 4.512 | 1.193 | 2.438 |  |  |  |  |
| <b>Min:</b>     | 12.53 | 4.478 | 1.124 | 2.349 |  |  |  |  |

#### Cylinder Concentrations

|              |       |       |       |       |  |  |  |  |
|--------------|-------|-------|-------|-------|--|--|--|--|
| <b>Zero:</b> | 0.000 | 0.000 | 0.000 | 0.000 |  |  |  |  |
| <b>Low:</b>  |       |       |       |       |  |  |  |  |
| <b>Mid:</b>  | 11.61 | 3.985 | 2.496 | 2.488 |  |  |  |  |
| <b>High:</b> | 21.12 | 8.376 | 5.059 | 5.074 |  |  |  |  |

#### Calibration Readings

|                      |       |        |        |       |  |  |  |  |
|----------------------|-------|--------|--------|-------|--|--|--|--|
| <b>Zero reading:</b> | 0.022 | -0.001 | -0.010 | 0.010 |  |  |  |  |
| <b>Low reading:</b>  |       |        |        |       |  |  |  |  |
| <b>Mid reading:</b>  | 11.57 | 3.978  | 2.589  | 2.557 |  |  |  |  |
| <b>High reading:</b> | 21.03 | 8.378  | 5.043  | 5.073 |  |  |  |  |

#### EPA Method 7E Error Calculations

|                   |      |        |        |        |        |  |  |  |
|-------------------|------|--------|--------|--------|--------|--|--|--|
| <b>Zero %Err:</b> | <2.0 | 0.104  | -0.012 | -0.198 | 0.197  |  |  |  |
| <b>Mid %Err:</b>  | <2.0 | -0.189 | -0.084 | 1.838  | 1.360  |  |  |  |
| <b>High %Err:</b> | <2.0 | -0.426 | 0.024  | -0.316 | -0.020 |  |  |  |

#### Initial Bias Data

|                      |        |        |        |        |        |  |  |  |
|----------------------|--------|--------|--------|--------|--------|--|--|--|
| <b>Zero reading:</b> | -0.090 | -0.062 | 0.020  | 0.002  |        |  |  |  |
| <b>Span reading:</b> | 11.35  | 3.841  | 2.433  | 2.318  |        |  |  |  |
| <b>Zero % bias:</b>  | <5.0   | -0.530 | -0.728 | 0.593  | -0.158 |  |  |  |
| <b>Span % bias:</b>  | <5.0   | -1.042 | -1.636 | -3.084 | -4.710 |  |  |  |

#### Final Bias Data

|                      |        |        |        |        |        |  |  |  |
|----------------------|--------|--------|--------|--------|--------|--|--|--|
| <b>Zero reading:</b> | -0.082 | -0.050 | 0.020  | 0.001  |        |  |  |  |
| <b>Span reading:</b> | 11.28  | 3.835  | 2.486  | 2.396  |        |  |  |  |
| <b>Zero % bias:</b>  | <5.0   | -0.492 | -0.585 | 0.593  | -0.177 |  |  |  |
| <b>Span % bias:</b>  | <5.0   | -1.373 | -1.707 | -2.036 | -3.173 |  |  |  |
| <b>Zero % drift:</b> | <3.0   | 0.038  | 0.143  | 0.000  | 0.019  |  |  |  |
| <b>Span % drift:</b> | <3.0   | 0.331  | 0.071  | 1.048  | 1.537  |  |  |  |

#### Bias Corrected Averages

|                 |       |       |       |       |  |  |  |  |
|-----------------|-------|-------|-------|-------|--|--|--|--|
| <b>Cor Avg:</b> | 12.88 | 4.654 | 1.163 | 2.536 |  |  |  |  |
|-----------------|-------|-------|-------|-------|--|--|--|--|



| MAQDAQ 1.0            |                             |                        |                            |
|-----------------------|-----------------------------|------------------------|----------------------------|
| Project Name: SVP DVR | Project Number: PROJ-042969 | CEMS Operator: N.PATEL | Unit/Condition: UNIT 2 MAX |
| Run Length: 21        | Record Interval: 6          | Average Interval: 60   | Triplicate Sampling: False |
| Traverse: True        | Ports: 1                    | Points per port: 3     | DAQ Device: DT9803(01)     |

| Run 7 Average Results - RUN 7 1253 1314 |             |            |             |           |            |  |  |  |  |
|-----------------------------------------|-------------|------------|-------------|-----------|------------|--|--|--|--|
| 12:47:00 - 13:08:00                     |             |            |             |           |            |  |  |  |  |
|                                         | Name:       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) | NOX (NO-2) |  |  |  |  |
|                                         | Make/Model: |            |             |           |            |  |  |  |  |
| Jul 18 2024                             | 12:48:00    | 12.52      | 4.520       | 1.206     | 2.465      |  |  |  |  |
| Jul 18 2024                             | 12:49:00    | 12.53      | 4.524       | 1.166     | 2.462      |  |  |  |  |
| Jul 18 2024                             | 12:50:00    | 12.52      | 4.521       | 1.200     | 2.418      |  |  |  |  |
| Jul 18 2024                             | 12:51:00    | 12.51      | 4.523       | 1.231     | 2.447      |  |  |  |  |
| Jul 18 2024                             | 12:52:00    | 12.52      | 4.524       | 1.238     | 2.443      |  |  |  |  |
| Jul 18 2024                             | 12:53:00    | 12.53      | 4.522       | 1.228     | 2.426      |  |  |  |  |
| Jul 18 2024                             | 12:54:00    | 12.53      | 4.523       | 1.211     | 2.455      |  |  |  |  |
| End of port 1 point 1                   |             |            |             |           |            |  |  |  |  |
| Jul 18 2024                             | 12:55:00    | 12.52      | 4.523       | 1.234     | 2.455      |  |  |  |  |
| Jul 18 2024                             | 12:56:00    | 12.52      | 4.522       | 1.220     | 2.457      |  |  |  |  |
| Jul 18 2024                             | 12:57:00    | 12.53      | 4.519       | 1.243     | 2.444      |  |  |  |  |
| Jul 18 2024                             | 12:58:00    | 12.53      | 4.520       | 1.262     | 2.447      |  |  |  |  |
| Jul 18 2024                             | 12:59:00    | 12.53      | 4.518       | 1.220     | 2.417      |  |  |  |  |
| Jul 18 2024                             | 13:00:00    | 12.52      | 4.521       | 1.232     | 2.451      |  |  |  |  |
| Jul 18 2024                             | 13:01:00    | 12.53      | 4.517       | 1.225     | 2.427      |  |  |  |  |
| End of port 1 point 2                   |             |            |             |           |            |  |  |  |  |
| Jul 18 2024                             | 13:02:00    | 12.51      | 4.522       | 1.209     | 2.465      |  |  |  |  |
| Jul 18 2024                             | 13:03:00    | 12.51      | 4.531       | 1.204     | 2.447      |  |  |  |  |
| Jul 18 2024                             | 13:04:00    | 12.51      | 4.523       | 1.207     | 2.426      |  |  |  |  |
| Jul 18 2024                             | 13:05:00    | 12.50      | 4.525       | 1.238     | 2.418      |  |  |  |  |
| Jul 18 2024                             | 13:06:00    | 12.50      | 4.525       | 1.239     | 2.435      |  |  |  |  |
| Jul 18 2024                             | 13:07:00    | 12.50      | 4.525       | 1.217     | 2.438      |  |  |  |  |
| Jul 18 2024                             | 13:08:00    | 12.50      | 4.523       | 1.217     | 2.430      |  |  |  |  |
| End of port 1 point 3                   |             |            |             |           |            |  |  |  |  |
|                                         | Average:    | 12.52      | 4.522       | 1.221     | 2.442      |  |  |  |  |
|                                         | Max:        | 12.53      | 4.531       | 1.262     | 2.465      |  |  |  |  |
|                                         | Min:        | 12.50      | 4.517       | 1.166     | 2.417      |  |  |  |  |

| Stratification Results |             |            |             |           |            |  |  |  |  |
|------------------------|-------------|------------|-------------|-----------|------------|--|--|--|--|
| Port                   | Point       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) | NOX (NO-2) |  |  |  |  |
| 1                      | 1           | 12.53      | 4.522       | 1.191     | 2.451      |  |  |  |  |
| 1                      | 2           | 12.52      | 4.520       | 1.237     | 2.449      |  |  |  |  |
| 1                      | 3           | 12.50      | 4.522       | 1.209     | 2.437      |  |  |  |  |
|                        | Strat diff: | 0.013      | 0.001       | 0.025     | 0.005      |  |  |  |  |
|                        | Strat %:    | 0.133      | 0.029       | 2.035     | 0.354      |  |  |  |  |



## MAQDAQ 1.0

|                       |                             |                        |                            |
|-----------------------|-----------------------------|------------------------|----------------------------|
| Project Name: SVP DVR | Project Number: PROJ-042969 | CEMS Operator: N.PATEL | Unit/Condition: UNIT 2 MAX |
| Run Length: 21        | Record Interval: 6          | Average Interval: 60   | Triplicate Sampling: False |
| Traverse: True        | Ports: 1                    | Points per port: 3     | DAQ Device: DT9803(01)     |

### Run 7 Post run bias - RUN 7 1253 1314

12:47:00 - 13:08:00

|             |            |             |           |            |  |  |  |  |
|-------------|------------|-------------|-----------|------------|--|--|--|--|
| Name:       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) | NOX (NO-2) |  |  |  |  |
| Make/Model: |            |             |           |            |  |  |  |  |
| 25A or 7E:  | 7E         | 7E          | 7E        | 7E         |  |  |  |  |

#### Run summary data

|          |       |       |       |       |  |  |  |  |
|----------|-------|-------|-------|-------|--|--|--|--|
| Raw Avg: | 12.52 | 4.522 | 1.221 | 2.442 |  |  |  |  |
| Max:     | 12.53 | 4.531 | 1.262 | 2.465 |  |  |  |  |
| Min:     | 12.50 | 4.517 | 1.166 | 2.417 |  |  |  |  |

#### Cylinder Concentrations

|       |       |       |       |       |  |  |  |  |
|-------|-------|-------|-------|-------|--|--|--|--|
| Zero: | 0.000 | 0.000 | 0.000 | 0.000 |  |  |  |  |
| Low:  |       |       |       |       |  |  |  |  |
| Mid:  | 11.61 | 3.985 | 2.496 | 2.488 |  |  |  |  |
| High: | 21.12 | 8.376 | 5.059 | 5.074 |  |  |  |  |

#### Calibration Readings

|               |       |        |        |       |  |  |  |  |
|---------------|-------|--------|--------|-------|--|--|--|--|
| Zero reading: | 0.022 | -0.001 | -0.010 | 0.010 |  |  |  |  |
| Low reading:  |       |        |        |       |  |  |  |  |
| Mid reading:  | 11.57 | 3.978  | 2.589  | 2.557 |  |  |  |  |
| High reading: | 21.03 | 8.378  | 5.043  | 5.073 |  |  |  |  |

#### EPA Method 7E Error Calculations

|            |      |        |        |        |        |  |  |  |
|------------|------|--------|--------|--------|--------|--|--|--|
| Zero %Err: | <2.0 | 0.104  | -0.012 | -0.198 | 0.197  |  |  |  |
| Mid %Err:  | <2.0 | -0.189 | -0.084 | 1.838  | 1.360  |  |  |  |
| High %Err: | <2.0 | -0.426 | 0.024  | -0.316 | -0.020 |  |  |  |

#### Initial Bias Data

|               |        |        |        |        |        |  |  |  |
|---------------|--------|--------|--------|--------|--------|--|--|--|
| Zero reading: | -0.082 | -0.050 | 0.020  | 0.001  |        |  |  |  |
| Span reading: | 11.28  | 3.835  | 2.486  | 2.396  |        |  |  |  |
| Zero % bias:  | <5.0   | -0.492 | -0.585 | 0.593  | -0.177 |  |  |  |
| Span % bias:  | <5.0   | -1.373 | -1.707 | -2.036 | -3.173 |  |  |  |

#### Final Bias Data

|               |        |        |        |        |        |  |  |  |
|---------------|--------|--------|--------|--------|--------|--|--|--|
| Zero reading: | -0.073 | -0.029 | 0.008  | 0.016  |        |  |  |  |
| Span reading: | 11.28  | 3.856  | 2.468  | 2.420  |        |  |  |  |
| Zero % bias:  | <5.0   | -0.450 | -0.334 | 0.356  | 0.118  |  |  |  |
| Span % bias:  | <5.0   | -1.373 | -1.457 | -2.392 | -2.700 |  |  |  |
| Zero % drift: | <3.0   | 0.042  | 0.251  | 0.237  | 0.295  |  |  |  |
| Span % drift: | <3.0   | 0.000  | 0.250  | 0.356  | 0.473  |  |  |  |

#### Bias Corrected Averages

|          |       |       |       |       |  |  |  |  |
|----------|-------|-------|-------|-------|--|--|--|--|
| Cor Avg: | 12.88 | 4.679 | 1.223 | 2.523 |  |  |  |  |
|----------|-------|-------|-------|-------|--|--|--|--|



| MAQDAQ 1.0            |                             |                        |                            |
|-----------------------|-----------------------------|------------------------|----------------------------|
| Project Name: SVP DVR | Project Number: PROJ-042969 | CEMS Operator: N.PATEL | Unit/Condition: UNIT 2 MAX |
| Run Length: 21        | Record Interval: 6          | Average Interval: 60   | Triplicate Sampling: False |
| Traverse: True        | Ports: 1                    | Points per port: 3     | DAQ Device: DT9803(01)     |

### Run 8 Average Results - RUN 8 1321-1342

13:15:00 - 13:36:00

|                       | Name:       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) | NOX (NO-2) |  |  |  |  |
|-----------------------|-------------|------------|-------------|-----------|------------|--|--|--|--|
|                       | Make/Model: |            |             |           |            |  |  |  |  |
| Jul 18 2024           | 13:16:00    | 12.47      | 4.519       | 1.236     | 2.444      |  |  |  |  |
| Jul 18 2024           | 13:17:00    | 12.46      | 4.521       | 1.253     | 2.480      |  |  |  |  |
| Jul 18 2024           | 13:18:00    | 12.47      | 4.529       | 1.250     | 2.467      |  |  |  |  |
| Jul 18 2024           | 13:19:00    | 12.46      | 4.526       | 1.252     | 2.465      |  |  |  |  |
| Jul 18 2024           | 13:20:00    | 12.46      | 4.526       | 1.250     | 2.456      |  |  |  |  |
| Jul 18 2024           | 13:21:00    | 12.47      | 4.520       | 1.258     | 2.438      |  |  |  |  |
| Jul 18 2024           | 13:22:00    | 12.46      | 4.524       | 1.224     | 2.438      |  |  |  |  |
| End of port 1 point 1 |             |            |             |           |            |  |  |  |  |
| Jul 18 2024           | 13:23:00    | 12.48      | 4.519       | 1.232     | 2.454      |  |  |  |  |
| Jul 18 2024           | 13:24:00    | 12.48      | 4.521       | 1.223     | 2.427      |  |  |  |  |
| Jul 18 2024           | 13:25:00    | 12.47      | 4.522       | 1.254     | 2.454      |  |  |  |  |
| Jul 18 2024           | 13:26:00    | 12.46      | 4.526       | 1.246     | 2.468      |  |  |  |  |
| Jul 18 2024           | 13:27:00    | 12.46      | 4.527       | 1.241     | 2.459      |  |  |  |  |
| Jul 18 2024           | 13:28:00    | 12.47      | 4.525       | 1.235     | 2.451      |  |  |  |  |
| Jul 18 2024           | 13:29:00    | 12.46      | 4.523       | 1.224     | 2.445      |  |  |  |  |
| End of port 1 point 2 |             |            |             |           |            |  |  |  |  |
| Jul 18 2024           | 13:30:00    | 12.48      | 4.524       | 1.234     | 2.431      |  |  |  |  |
| Jul 18 2024           | 13:31:00    | 12.48      | 4.523       | 1.223     | 2.442      |  |  |  |  |
| Jul 18 2024           | 13:32:00    | 12.47      | 4.522       | 1.235     | 2.446      |  |  |  |  |
| Jul 18 2024           | 13:33:00    | 12.46      | 4.525       | 1.241     | 2.437      |  |  |  |  |
| Jul 18 2024           | 13:34:00    | 12.47      | 4.523       | 1.251     | 2.442      |  |  |  |  |
| Jul 18 2024           | 13:35:00    | 12.46      | 4.524       | 1.245     | 2.442      |  |  |  |  |
| Jul 18 2024           | 13:36:00    | 12.47      | 4.525       | 1.244     | 2.433      |  |  |  |  |
| End of port 1 point 3 |             |            |             |           |            |  |  |  |  |
|                       | Average:    | 12.47      | 4.524       | 1.241     | 2.449      |  |  |  |  |
|                       | Max:        | 12.48      | 4.529       | 1.258     | 2.480      |  |  |  |  |
|                       | Min:        | 12.46      | 4.519       | 1.223     | 2.427      |  |  |  |  |

### Stratification Results

| Port | Point       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) | NOX (NO-2) |  |  |  |  |
|------|-------------|------------|-------------|-----------|------------|--|--|--|--|
| 1    | 1           | 12.47      | 4.523       | 1.225     | 2.460      |  |  |  |  |
| 1    | 2           | 12.48      | 4.525       | 1.235     | 2.463      |  |  |  |  |
| 1    | 3           | 12.48      | 4.522       | 1.249     | 2.431      |  |  |  |  |
|      | Strat diff: | 0.003      | 0.002       | 0.013     | 0.012      |  |  |  |  |
|      | Strat %:    | 0.053      | 0.037       | 1.025     | 0.829      |  |  |  |  |



## MAQDAQ 1.0

|                       |                             |                        |                            |
|-----------------------|-----------------------------|------------------------|----------------------------|
| Project Name: SVP DVR | Project Number: PROJ-042969 | CEMS Operator: N.PATEL | Unit/Condition: UNIT 2 MAX |
| Run Length: 21        | Record Interval: 6          | Average Interval: 60   | Triplicate Sampling: False |
| Traverse: True        | Ports: 1                    | Points per port: 3     | DAQ Device: DT9803(01)     |

### Run 8 Post run bias - RUN 8 1321-1342

13:15:00 - 13:36:00

|                    |            |             |           |            |  |  |  |  |
|--------------------|------------|-------------|-----------|------------|--|--|--|--|
| <b>Name:</b>       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) | NOX (NO-2) |  |  |  |  |
| <b>Make/Model:</b> |            |             |           |            |  |  |  |  |
| <b>25A or 7E:</b>  | 7E         | 7E          | 7E        | 7E         |  |  |  |  |

#### Run summary data

|                 |       |       |       |       |  |  |  |  |
|-----------------|-------|-------|-------|-------|--|--|--|--|
| <b>Raw Avg:</b> | 12.47 | 4.524 | 1.241 | 2.449 |  |  |  |  |
| <b>Max:</b>     | 12.48 | 4.529 | 1.258 | 2.480 |  |  |  |  |
| <b>Min:</b>     | 12.46 | 4.519 | 1.223 | 2.427 |  |  |  |  |

#### Cylinder Concentrations

|              |       |       |       |       |  |  |  |  |
|--------------|-------|-------|-------|-------|--|--|--|--|
| <b>Zero:</b> | 0.000 | 0.000 | 0.000 | 0.000 |  |  |  |  |
| <b>Low:</b>  |       |       |       |       |  |  |  |  |
| <b>Mid:</b>  | 11.61 | 3.985 | 2.496 | 2.488 |  |  |  |  |
| <b>High:</b> | 21.12 | 8.376 | 5.059 | 5.074 |  |  |  |  |

#### Calibration Readings

|                      |       |        |        |       |  |  |  |  |
|----------------------|-------|--------|--------|-------|--|--|--|--|
| <b>Zero reading:</b> | 0.022 | -0.001 | -0.010 | 0.010 |  |  |  |  |
| <b>Low reading:</b>  |       |        |        |       |  |  |  |  |
| <b>Mid reading:</b>  | 11.57 | 3.978  | 2.589  | 2.557 |  |  |  |  |
| <b>High reading:</b> | 21.03 | 8.378  | 5.043  | 5.073 |  |  |  |  |

#### EPA Method 7E Error Calculations

|                   |      |        |        |        |        |  |  |  |
|-------------------|------|--------|--------|--------|--------|--|--|--|
| <b>Zero %Err:</b> | <2.0 | 0.104  | -0.012 | -0.198 | 0.197  |  |  |  |
| <b>Mid %Err:</b>  | <2.0 | -0.189 | -0.084 | 1.838  | 1.360  |  |  |  |
| <b>High %Err:</b> | <2.0 | -0.426 | 0.024  | -0.316 | -0.020 |  |  |  |

#### Initial Bias Data

|                      |        |        |        |        |        |  |  |  |
|----------------------|--------|--------|--------|--------|--------|--|--|--|
| <b>Zero reading:</b> | -0.073 | -0.029 | 0.008  | 0.016  |        |  |  |  |
| <b>Span reading:</b> | 11.28  | 3.856  | 2.468  | 2.420  |        |  |  |  |
| <b>Zero % bias:</b>  | <5.0   | -0.450 | -0.334 | 0.356  | 0.118  |  |  |  |
| <b>Span % bias:</b>  | <5.0   | -1.373 | -1.457 | -2.392 | -2.700 |  |  |  |

#### Final Bias Data

|                      |        |        |        |        |        |  |  |  |
|----------------------|--------|--------|--------|--------|--------|--|--|--|
| <b>Zero reading:</b> | -0.157 | -0.067 | 0.051  | 0.002  |        |  |  |  |
| <b>Span reading:</b> | 11.29  | 3.843  | 2.516  | 2.444  |        |  |  |  |
| <b>Zero % bias:</b>  | <5.0   | -0.848 | -0.788 | 1.206  | -0.158 |  |  |  |
| <b>Span % bias:</b>  | <5.0   | -1.326 | -1.612 | -1.443 | -2.227 |  |  |  |
| <b>Zero % drift:</b> | <3.0   | 0.398  | 0.454  | 0.850  | 0.276  |  |  |  |
| <b>Span % drift:</b> | <3.0   | 0.047  | 0.155  | 0.949  | 0.473  |  |  |  |

#### Bias Corrected Averages

|                 |       |       |       |       |  |  |  |  |
|-----------------|-------|-------|-------|-------|--|--|--|--|
| <b>Cor Avg:</b> | 12.82 | 4.675 | 1.228 | 2.505 |  |  |  |  |
|-----------------|-------|-------|-------|-------|--|--|--|--|



| MAQDAQ 1.0            |                             |                        |                            |
|-----------------------|-----------------------------|------------------------|----------------------------|
| Project Name: SVP DVR | Project Number: PROJ-042969 | CEMS Operator: N.PATEL | Unit/Condition: UNIT 2 MAX |
| Run Length: 21        | Record Interval: 6          | Average Interval: 60   | Triplicate Sampling: False |
| Traverse: True        | Ports: 1                    | Points per port: 3     | DAQ Device: DT9803(01)     |

### Run 9 Average Results - RUN 9 1350 1401

13:44:00 - 14:05:00

|                       | Name:       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) | NOX (NO-2) |  |  |  |  |
|-----------------------|-------------|------------|-------------|-----------|------------|--|--|--|--|
|                       | Make/Model: |            |             |           |            |  |  |  |  |
| Jul 18 2024           | 13:45:00    | 12.47      | 4.529       | 1.269     | 2.464      |  |  |  |  |
| Jul 18 2024           | 13:46:00    | 12.46      | 4.530       | 1.254     | 2.443      |  |  |  |  |
| Jul 18 2024           | 13:47:00    | 12.47      | 4.531       | 1.294     | 2.456      |  |  |  |  |
| Jul 18 2024           | 13:48:00    | 12.47      | 4.534       | 1.258     | 2.428      |  |  |  |  |
| Jul 18 2024           | 13:49:00    | 12.46      | 4.539       | 1.260     | 2.466      |  |  |  |  |
| Jul 18 2024           | 13:50:00    | 12.47      | 4.532       | 1.240     | 2.478      |  |  |  |  |
| Jul 18 2024           | 13:51:00    | 12.46      | 4.538       | 1.273     | 2.419      |  |  |  |  |
| End of port 1 point 1 |             |            |             |           |            |  |  |  |  |
| Jul 18 2024           | 13:52:00    | 12.46      | 4.536       | 1.282     | 2.445      |  |  |  |  |
| Jul 18 2024           | 13:53:00    | 12.46      | 4.542       | 1.253     | 2.456      |  |  |  |  |
| Jul 18 2024           | 13:54:00    | 12.47      | 4.541       | 1.243     | 2.415      |  |  |  |  |
| Jul 18 2024           | 13:55:00    | 12.46      | 4.542       | 1.253     | 2.462      |  |  |  |  |
| Jul 18 2024           | 13:56:00    | 12.45      | 4.541       | 1.279     | 2.440      |  |  |  |  |
| Jul 18 2024           | 13:57:00    | 12.46      | 4.541       | 1.256     | 2.470      |  |  |  |  |
| Jul 18 2024           | 13:58:00    | 12.46      | 4.545       | 1.255     | 2.467      |  |  |  |  |
| End of port 1 point 2 |             |            |             |           |            |  |  |  |  |
| Jul 18 2024           | 13:59:00    | 12.46      | 4.534       | 1.252     | 2.410      |  |  |  |  |
| Jul 18 2024           | 14:00:00    | 12.46      | 4.539       | 1.282     | 2.426      |  |  |  |  |
| Jul 18 2024           | 14:01:00    | 12.47      | 4.536       | 1.305     | 2.439      |  |  |  |  |
| Jul 18 2024           | 14:02:00    | 12.46      | 4.537       | 1.262     | 2.429      |  |  |  |  |
| Jul 18 2024           | 14:03:00    | 12.45      | 4.534       | 1.227     | 2.412      |  |  |  |  |
| Jul 18 2024           | 14:04:00    | 12.45      | 4.537       | 1.277     | 2.444      |  |  |  |  |
| Jul 18 2024           | 14:05:00    | 12.46      | 4.541       | 1.282     | 2.405      |  |  |  |  |
| End of port 1 point 3 |             |            |             |           |            |  |  |  |  |
|                       | Average:    | 12.46      | 4.537       | 1.265     | 2.442      |  |  |  |  |
|                       | Max:        | 12.47      | 4.545       | 1.305     | 2.478      |  |  |  |  |
|                       | Min:        | 12.45      | 4.529       | 1.227     | 2.405      |  |  |  |  |

### Stratification Results

| Port | Point       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) | NOX (NO-2) |  |  |  |  |
|------|-------------|------------|-------------|-----------|------------|--|--|--|--|
| 1    | 1           | 12.45      | 4.535       | 1.274     | 2.446      |  |  |  |  |
| 1    | 2           | 12.47      | 4.540       | 1.257     | 2.440      |  |  |  |  |
| 1    | 3           | 12.45      | 4.535       | 1.266     | 2.429      |  |  |  |  |
|      | Strat diff: | 0.013      | 0.003       | 0.008     | 0.008      |  |  |  |  |
|      | Strat %:    | 0.107      | 0.073       | 0.685     | 0.383      |  |  |  |  |



## MAQDAQ 1.0

|                       |                             |                        |                            |
|-----------------------|-----------------------------|------------------------|----------------------------|
| Project Name: SVP DVR | Project Number: PROJ-042969 | CEMS Operator: N.PATEL | Unit/Condition: UNIT 2 MAX |
| Run Length: 21        | Record Interval: 6          | Average Interval: 60   | Triplicate Sampling: False |
| Traverse: True        | Ports: 1                    | Points per port: 3     | DAQ Device: DT9803(01)     |

### Run 9 Post run bias - RUN 9 1350 1401

13:44:00 - 14:05:00

|                    |            |             |           |            |  |  |  |  |
|--------------------|------------|-------------|-----------|------------|--|--|--|--|
| <b>Name:</b>       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) | NOX (NO-2) |  |  |  |  |
| <b>Make/Model:</b> |            |             |           |            |  |  |  |  |
| <b>25A or 7E:</b>  | 7E         | 7E          | 7E        | 7E         |  |  |  |  |

#### Run summary data

|                 |       |       |       |       |  |  |  |  |
|-----------------|-------|-------|-------|-------|--|--|--|--|
| <b>Raw Avg:</b> | 12.46 | 4.537 | 1.265 | 2.442 |  |  |  |  |
| <b>Max:</b>     | 12.47 | 4.545 | 1.305 | 2.478 |  |  |  |  |
| <b>Min:</b>     | 12.45 | 4.529 | 1.227 | 2.405 |  |  |  |  |

#### Cylinder Concentrations

|              |       |       |       |       |  |  |  |  |
|--------------|-------|-------|-------|-------|--|--|--|--|
| <b>Zero:</b> | 0.000 | 0.000 | 0.000 | 0.000 |  |  |  |  |
| <b>Low:</b>  |       |       |       |       |  |  |  |  |
| <b>Mid:</b>  | 11.61 | 3.985 | 2.496 | 2.488 |  |  |  |  |
| <b>High:</b> | 21.12 | 8.376 | 5.059 | 5.074 |  |  |  |  |

#### Calibration Readings

|                      |       |        |        |       |  |  |  |  |
|----------------------|-------|--------|--------|-------|--|--|--|--|
| <b>Zero reading:</b> | 0.022 | -0.001 | -0.010 | 0.010 |  |  |  |  |
| <b>Low reading:</b>  |       |        |        |       |  |  |  |  |
| <b>Mid reading:</b>  | 11.57 | 3.978  | 2.589  | 2.557 |  |  |  |  |
| <b>High reading:</b> | 21.03 | 8.378  | 5.043  | 5.073 |  |  |  |  |

#### EPA Method 7E Error Calculations

|                   |      |        |        |        |        |  |  |  |
|-------------------|------|--------|--------|--------|--------|--|--|--|
| <b>Zero %Err:</b> | <2.0 | 0.104  | -0.012 | -0.198 | 0.197  |  |  |  |
| <b>Mid %Err:</b>  | <2.0 | -0.189 | -0.084 | 1.838  | 1.360  |  |  |  |
| <b>High %Err:</b> | <2.0 | -0.426 | 0.024  | -0.316 | -0.020 |  |  |  |

#### Initial Bias Data

|                      |        |        |        |        |        |  |  |  |
|----------------------|--------|--------|--------|--------|--------|--|--|--|
| <b>Zero reading:</b> | -0.157 | -0.067 | 0.051  | 0.002  |        |  |  |  |
| <b>Span reading:</b> | 11.29  | 3.843  | 2.516  | 2.444  |        |  |  |  |
| <b>Zero % bias:</b>  | <5.0   | -0.848 | -0.788 | 1.206  | -0.158 |  |  |  |
| <b>Span % bias:</b>  | <5.0   | -1.326 | -1.612 | -1.443 | -2.227 |  |  |  |

#### Final Bias Data

|                      |        |        |        |        |        |  |  |  |
|----------------------|--------|--------|--------|--------|--------|--|--|--|
| <b>Zero reading:</b> | -0.131 | -0.049 | 0.092  | 0.002  |        |  |  |  |
| <b>Span reading:</b> | 11.26  | 3.874  | 2.547  | 2.420  |        |  |  |  |
| <b>Zero % bias:</b>  | <5.0   | -0.724 | -0.573 | 2.016  | -0.158 |  |  |  |
| <b>Span % bias:</b>  | <5.0   | -1.468 | -1.242 | -0.830 | -2.700 |  |  |  |
| <b>Zero % drift:</b> | <3.0   | 0.124  | 0.215  | 0.810  | 0.000  |  |  |  |
| <b>Span % drift:</b> | <3.0   | 0.142  | 0.370  | 0.613  | 0.473  |  |  |  |

#### Bias Corrected Averages

|                 |       |       |       |       |  |  |  |  |
|-----------------|-------|-------|-------|-------|--|--|--|--|
| <b>Cor Avg:</b> | 12.81 | 4.675 | 1.211 | 2.498 |  |  |  |  |
|-----------------|-------|-------|-------|-------|--|--|--|--|



| MAQDAQ 1.0            |                             |                        |                            |
|-----------------------|-----------------------------|------------------------|----------------------------|
| Project Name: SVP DVR | Project Number: PROJ-042969 | CEMS Operator: N.PATEL | Unit/Condition: UNIT 2 MAX |
| Run Length: 21        | Record Interval: 6          | Average Interval: 60   | Triplicate Sampling: False |
| Traverse: True        | Ports: 1                    | Points per port: 3     | DAQ Device: DT9803(01)     |

### Run 10 Average Results - RUN 10 1419 1440

14:13:00 - 14:34:00

|                       | Name:       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) | NOX (NO-2) |  |  |  |  |
|-----------------------|-------------|------------|-------------|-----------|------------|--|--|--|--|
|                       | Make/Model: |            |             |           |            |  |  |  |  |
| Jul 18 2024           | 14:14:00    | 12.43      | 4.527       | 1.263     | 2.454      |  |  |  |  |
| Jul 18 2024           | 14:15:00    | 12.43      | 4.533       | 1.297     | 2.445      |  |  |  |  |
| Jul 18 2024           | 14:16:00    | 12.44      | 4.530       | 1.320     | 2.482      |  |  |  |  |
| Jul 18 2024           | 14:17:00    | 12.43      | 4.533       | 1.313     | 2.446      |  |  |  |  |
| Jul 18 2024           | 14:18:00    | 12.43      | 4.535       | 1.328     | 2.467      |  |  |  |  |
| Jul 18 2024           | 14:19:00    | 12.44      | 4.532       | 1.276     | 2.477      |  |  |  |  |
| Jul 18 2024           | 14:20:00    | 12.44      | 4.534       | 1.281     | 2.448      |  |  |  |  |
| End of port 1 point 1 |             |            |             |           |            |  |  |  |  |
| Jul 18 2024           | 14:21:00    | 12.44      | 4.531       | 1.297     | 2.419      |  |  |  |  |
| Jul 18 2024           | 14:22:00    | 12.45      | 4.533       | 1.299     | 2.484      |  |  |  |  |
| Jul 18 2024           | 14:23:00    | 12.44      | 4.529       | 1.277     | 2.455      |  |  |  |  |
| Jul 18 2024           | 14:24:00    | 12.43      | 4.533       | 1.272     | 2.443      |  |  |  |  |
| Jul 18 2024           | 14:25:00    | 12.44      | 4.532       | 1.324     | 2.473      |  |  |  |  |
| Jul 18 2024           | 14:26:00    | 12.43      | 4.536       | 1.258     | 2.451      |  |  |  |  |
| Jul 18 2024           | 14:27:00    | 12.43      | 4.535       | 1.288     | 2.455      |  |  |  |  |
| End of port 1 point 2 |             |            |             |           |            |  |  |  |  |
| Jul 18 2024           | 14:28:00    | 12.43      | 4.537       | 1.298     | 2.456      |  |  |  |  |
| Jul 18 2024           | 14:29:00    | 12.44      | 4.535       | 1.300     | 2.433      |  |  |  |  |
| Jul 18 2024           | 14:30:00    | 12.44      | 4.532       | 1.263     | 2.468      |  |  |  |  |
| Jul 18 2024           | 14:31:00    | 12.43      | 4.531       | 1.289     | 2.464      |  |  |  |  |
| Jul 18 2024           | 14:32:00    | 12.44      | 4.528       | 1.308     | 2.438      |  |  |  |  |
| Jul 18 2024           | 14:33:00    | 12.44      | 4.533       | 1.335     | 2.433      |  |  |  |  |
| Jul 18 2024           | 14:34:00    | 12.45      | 4.527       | 1.303     | 2.464      |  |  |  |  |
| End of port 1 point 3 |             |            |             |           |            |  |  |  |  |
|                       | Average:    | 12.44      | 4.532       | 1.295     | 2.455      |  |  |  |  |
|                       | Max:        | 12.45      | 4.537       | 1.335     | 2.484      |  |  |  |  |
|                       | Min:        | 12.43      | 4.527       | 1.258     | 2.419      |  |  |  |  |

### Stratification Results

| Port | Point       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) | NOX (NO-2) |  |  |  |  |
|------|-------------|------------|-------------|-----------|------------|--|--|--|--|
| 1    | 1           | 12.44      | 4.531       | 1.292     | 2.455      |  |  |  |  |
| 1    | 2           | 12.43      | 4.532       | 1.295     | 2.453      |  |  |  |  |
| 1    | 3           | 12.44      | 4.531       | 1.293     | 2.449      |  |  |  |  |
|      | Strat diff: | 0.003      | 0.001       | 0.002     | 0.003      |  |  |  |  |
|      | Strat %:    | 0.054      | 0.015       | 0.129     | 0.136      |  |  |  |  |



## MAQDAQ 1.0

|                       |                             |                        |                            |
|-----------------------|-----------------------------|------------------------|----------------------------|
| Project Name: SVP DVR | Project Number: PROJ-042969 | CEMS Operator: N.PATEL | Unit/Condition: UNIT 2 MAX |
| Run Length: 21        | Record Interval: 6          | Average Interval: 60   | Triplicate Sampling: False |
| Traverse: True        | Ports: 1                    | Points per port: 3     | DAQ Device: DT9803(01)     |

### Run 10 Post run bias - RUN 10 1419 1440

14:13:00 - 14:34:00

|             |            |             |           |            |  |  |  |  |
|-------------|------------|-------------|-----------|------------|--|--|--|--|
| Name:       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) | NOX (NO-2) |  |  |  |  |
| Make/Model: |            |             |           |            |  |  |  |  |
| 25A or 7E:  | 7E         | 7E          | 7E        | 7E         |  |  |  |  |

#### Run summary data

|          |       |       |       |       |  |  |  |  |
|----------|-------|-------|-------|-------|--|--|--|--|
| Raw Avg: | 12.44 | 4.532 | 1.295 | 2.455 |  |  |  |  |
| Max:     | 12.45 | 4.537 | 1.335 | 2.484 |  |  |  |  |
| Min:     | 12.43 | 4.527 | 1.258 | 2.419 |  |  |  |  |

#### Cylinder Concentrations

|       |       |       |       |       |  |  |  |  |
|-------|-------|-------|-------|-------|--|--|--|--|
| Zero: | 0.000 | 0.000 | 0.000 | 0.000 |  |  |  |  |
| Low:  |       |       |       |       |  |  |  |  |
| Mid:  | 11.61 | 3.985 | 2.496 | 2.488 |  |  |  |  |
| High: | 21.12 | 8.376 | 5.059 | 5.074 |  |  |  |  |

#### Calibration Readings

|               |       |        |        |       |  |  |  |  |
|---------------|-------|--------|--------|-------|--|--|--|--|
| Zero reading: | 0.022 | -0.001 | -0.010 | 0.010 |  |  |  |  |
| Low reading:  |       |        |        |       |  |  |  |  |
| Mid reading:  | 11.57 | 3.978  | 2.589  | 2.557 |  |  |  |  |
| High reading: | 21.03 | 8.378  | 5.043  | 5.073 |  |  |  |  |

#### EPA Method 7E Error Calculations

|            |      |        |        |        |        |  |  |  |
|------------|------|--------|--------|--------|--------|--|--|--|
| Zero %Err: | <2.0 | 0.104  | -0.012 | -0.198 | 0.197  |  |  |  |
| Mid %Err:  | <2.0 | -0.189 | -0.084 | 1.838  | 1.360  |  |  |  |
| High %Err: | <2.0 | -0.426 | 0.024  | -0.316 | -0.020 |  |  |  |

#### Initial Bias Data

|               |        |        |        |        |        |  |  |  |
|---------------|--------|--------|--------|--------|--------|--|--|--|
| Zero reading: | -0.131 | -0.049 | 0.092  | 0.002  |        |  |  |  |
| Span reading: | 11.26  | 3.874  | 2.547  | 2.420  |        |  |  |  |
| Zero % bias:  | <5.0   | -0.724 | -0.573 | 2.016  | -0.158 |  |  |  |
| Span % bias:  | <5.0   | -1.468 | -1.242 | -0.830 | -2.700 |  |  |  |

#### Final Bias Data

|               |        |        |        |        |        |  |  |  |
|---------------|--------|--------|--------|--------|--------|--|--|--|
| Zero reading: | -0.147 | -0.038 | 0.062  | 0.001  |        |  |  |  |
| Span reading: | 11.25  | 3.857  | 2.559  | 2.437  |        |  |  |  |
| Zero % bias:  | <5.0   | -0.800 | -0.442 | 1.423  | -0.177 |  |  |  |
| Span % bias:  | <5.0   | -1.515 | -1.445 | -0.593 | -2.365 |  |  |  |
| Zero % drift: | <3.0   | 0.076  | 0.131  | 0.593  | 0.019  |  |  |  |
| Span % drift: | <3.0   | 0.047  | 0.203  | 0.237  | 0.335  |  |  |  |

#### Bias Corrected Averages

|          |       |       |       |       |  |  |  |  |
|----------|-------|-------|-------|-------|--|--|--|--|
| Cor Avg: | 12.82 | 4.664 | 1.228 | 2.515 |  |  |  |  |
|----------|-------|-------|-------|-------|--|--|--|--|



| MAQDAQ 1.0            |                             |                        |                            |
|-----------------------|-----------------------------|------------------------|----------------------------|
| Project Name: SVP DVR | Project Number: PROJ-042969 | CEMS Operator: N.PATEL | Unit/Condition: UNIT 2 MIN |
| Run Length: 30        | Record Interval: 6          | Average Interval: 60   | Triplicate Sampling: False |
| Traverse: True        | Ports: 1                    | Points per port: 3     | DAQ Device: DT9803(01)     |

| Run 1 Average Results - RUN 1 0722 0752 |             |            |             |           |  |  |  |  |
|-----------------------------------------|-------------|------------|-------------|-----------|--|--|--|--|
| 07:16:00 - 07:46:00                     |             |            |             |           |  |  |  |  |
|                                         | Name:       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) |  |  |  |  |
|                                         | Make/Model: |            |             |           |  |  |  |  |
| Jul 19 2024                             | 07:17:00    | 15.29      | 2.999       | 0.751     |  |  |  |  |
| Jul 19 2024                             | 07:18:00    | 15.28      | 3.003       | 0.759     |  |  |  |  |
| Jul 19 2024                             | 07:19:00    | 15.28      | 3.000       | 0.773     |  |  |  |  |
| Jul 19 2024                             | 07:20:00    | 15.28      | 3.002       | 0.778     |  |  |  |  |
| Jul 19 2024                             | 07:21:00    | 15.28      | 2.999       | 0.778     |  |  |  |  |
| Jul 19 2024                             | 07:22:00    | 15.28      | 2.999       | 0.794     |  |  |  |  |
| Jul 19 2024                             | 07:23:00    | 15.28      | 3.000       | 0.790     |  |  |  |  |
| Jul 19 2024                             | 07:24:00    | 15.28      | 2.998       | 0.785     |  |  |  |  |
| Jul 19 2024                             | 07:25:00    | 15.27      | 3.002       | 0.795     |  |  |  |  |
| Jul 19 2024                             | 07:26:00    | 15.27      | 2.998       | 0.797     |  |  |  |  |
| End of port 1 point 1                   |             |            |             |           |  |  |  |  |
| Jul 19 2024                             | 07:27:00    | 15.27      | 3.001       | 0.805     |  |  |  |  |
| Jul 19 2024                             | 07:28:00    | 15.26      | 2.999       | 0.801     |  |  |  |  |
| Jul 19 2024                             | 07:29:00    | 15.26      | 3.001       | 0.805     |  |  |  |  |
| Jul 19 2024                             | 07:30:00    | 15.26      | 3.001       | 0.799     |  |  |  |  |
| Jul 19 2024                             | 07:31:00    | 15.25      | 3.005       | 0.812     |  |  |  |  |
| Jul 19 2024                             | 07:32:00    | 15.25      | 3.002       | 0.831     |  |  |  |  |
| Jul 19 2024                             | 07:33:00    | 15.24      | 3.003       | 0.831     |  |  |  |  |
| Jul 19 2024                             | 07:34:00    | 15.25      | 3.003       | 0.837     |  |  |  |  |
| Jul 19 2024                             | 07:35:00    | 15.24      | 3.004       | 0.838     |  |  |  |  |
| Jul 19 2024                             | 07:36:00    | 15.24      | 3.007       | 0.842     |  |  |  |  |
| End of port 1 point 2                   |             |            |             |           |  |  |  |  |
| Jul 19 2024                             | 07:37:00    | 15.24      | 3.006       | 0.847     |  |  |  |  |
| Jul 19 2024                             | 07:38:00    | 15.24      | 3.009       | 0.858     |  |  |  |  |
| Jul 19 2024                             | 07:39:00    | 15.23      | 3.009       | 0.864     |  |  |  |  |
| Jul 19 2024                             | 07:40:00    | 15.24      | 3.011       | 0.852     |  |  |  |  |
| Jul 19 2024                             | 07:41:00    | 15.23      | 3.007       | 0.854     |  |  |  |  |
| Jul 19 2024                             | 07:42:00    | 15.23      | 3.009       | 0.846     |  |  |  |  |
| Jul 19 2024                             | 07:43:00    | 15.23      | 3.008       | 0.854     |  |  |  |  |
| Jul 19 2024                             | 07:44:00    | 15.23      | 3.008       | 0.846     |  |  |  |  |
| Jul 19 2024                             | 07:45:00    | 15.22      | 3.008       | 0.864     |  |  |  |  |
| Jul 19 2024                             | 07:46:00    | 15.25      | 3.007       | 0.861     |  |  |  |  |
| End of port 1 point 3                   |             |            |             |           |  |  |  |  |
|                                         | Average:    | 15.26      | 3.004       | 0.818     |  |  |  |  |
|                                         | Max:        | 15.29      | 3.011       | 0.864     |  |  |  |  |
|                                         | Min:        | 15.22      | 2.998       | 0.751     |  |  |  |  |

| Stratification Results |             |            |             |           |  |  |  |  |
|------------------------|-------------|------------|-------------|-----------|--|--|--|--|
| Port                   | Point       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) |  |  |  |  |
| 1                      | 1           | 15.28      | 3.000       | 0.788     |  |  |  |  |
| 1                      | 2           | 15.25      | 3.002       | 0.817     |  |  |  |  |
| 1                      | 3           | 15.23      | 3.008       | 0.860     |  |  |  |  |
|                        | Strat diff: | 0.027      | 0.005       | 0.038     |  |  |  |  |
|                        | Strat %:    | 0.175      | 0.155       | 4.665     |  |  |  |  |



## MAQDAQ 1.0

|                       |                             |                        |                            |
|-----------------------|-----------------------------|------------------------|----------------------------|
| Project Name: SVP DVR | Project Number: PROJ-042969 | CEMS Operator: N.PATEL | Unit/Condition: UNIT 2 MIN |
| Run Length: 30        | Record Interval: 6          | Average Interval: 60   | Triplicate Sampling: False |
| Traverse: True        | Ports: 1                    | Points per port: 3     | DAQ Device: DT9803(01)     |

### Run 1 Post run bias - RUN 1 0722 0752

07:16:00 - 07:46:00

|                    |            |             |           |  |  |  |  |  |
|--------------------|------------|-------------|-----------|--|--|--|--|--|
| <b>Name:</b>       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) |  |  |  |  |  |
| <b>Make/Model:</b> |            |             |           |  |  |  |  |  |
| <b>25A or 7E:</b>  | 7E         | 7E          | 7E        |  |  |  |  |  |

#### Run summary data

|                 |       |       |       |  |  |  |  |  |
|-----------------|-------|-------|-------|--|--|--|--|--|
| <b>Raw Avg:</b> | 15.26 | 3.004 | 0.818 |  |  |  |  |  |
| <b>Max:</b>     | 15.29 | 3.011 | 0.864 |  |  |  |  |  |
| <b>Min:</b>     | 15.22 | 2.998 | 0.751 |  |  |  |  |  |

#### Cylinder Concentrations

|              |       |       |       |  |  |  |  |  |
|--------------|-------|-------|-------|--|--|--|--|--|
| <b>Zero:</b> | 0.000 | 0.000 | 0.000 |  |  |  |  |  |
| <b>Low:</b>  |       |       |       |  |  |  |  |  |
| <b>Mid:</b>  | 11.61 | 3.985 | 2.496 |  |  |  |  |  |
| <b>High:</b> | 21.12 | 8.376 | 5.059 |  |  |  |  |  |

#### Calibration Readings

|                      |       |        |        |  |  |  |  |  |
|----------------------|-------|--------|--------|--|--|--|--|--|
| <b>Zero reading:</b> | 0.042 | -0.005 | -0.046 |  |  |  |  |  |
| <b>Low reading:</b>  |       |        |        |  |  |  |  |  |
| <b>Mid reading:</b>  | 11.53 | 3.966  | 2.552  |  |  |  |  |  |
| <b>High reading:</b> | 21.10 | 8.351  | 5.031  |  |  |  |  |  |

#### EPA Method 7E Error Calculations

|                   |      |        |        |        |  |  |  |  |
|-------------------|------|--------|--------|--------|--|--|--|--|
| <b>Zero %Err:</b> | <2.0 | 0.199  | -0.060 | -0.909 |  |  |  |  |
| <b>Mid %Err:</b>  | <2.0 | -0.379 | -0.227 | 1.107  |  |  |  |  |
| <b>High %Err:</b> | <2.0 | -0.095 | -0.298 | -0.553 |  |  |  |  |

#### Initial Bias Data

|                      |       |        |        |       |  |  |  |  |
|----------------------|-------|--------|--------|-------|--|--|--|--|
| <b>Zero reading:</b> | 0.041 | 0.022  | 0.026  |       |  |  |  |  |
| <b>Span reading:</b> | 11.46 | 3.942  | 2.588  |       |  |  |  |  |
| <b>Zero % bias:</b>  | <5.0  | -0.005 | 0.322  | 1.423 |  |  |  |  |
| <b>Span % bias:</b>  | <5.0  | -0.331 | -0.287 | 0.712 |  |  |  |  |

#### Final Bias Data

|                      |        |        |        |        |  |  |  |  |
|----------------------|--------|--------|--------|--------|--|--|--|--|
| <b>Zero reading:</b> | -0.065 | -0.002 | 0.002  |        |  |  |  |  |
| <b>Span reading:</b> | 11.27  | 3.881  | 2.420  |        |  |  |  |  |
| <b>Zero % bias:</b>  | <5.0   | -0.507 | 0.036  | 0.949  |  |  |  |  |
| <b>Span % bias:</b>  | <5.0   | -1.231 | -1.015 | -2.609 |  |  |  |  |
| <b>Zero % drift:</b> | <3.0   | 0.502  | 0.286  | 0.474  |  |  |  |  |
| <b>Span % drift:</b> | <3.0   | 0.900  | 0.728  | 0.168  |  |  |  |  |

#### Bias Corrected Averages

|                 |       |       |       |  |  |  |  |  |
|-----------------|-------|-------|-------|--|--|--|--|--|
| <b>Cor Avg:</b> | 15.58 | 3.058 | 0.806 |  |  |  |  |  |
|-----------------|-------|-------|-------|--|--|--|--|--|



| MAQDAQ 1.0            |                             |                        |                            |
|-----------------------|-----------------------------|------------------------|----------------------------|
| Project Name: SVP DVR | Project Number: PROJ-042969 | CEMS Operator: N.PATEL | Unit/Condition: UNIT 2 MIN |
| Run Length: 30        | Record Interval: 6          | Average Interval: 60   | Triplicate Sampling: False |
| Traverse: True        | Ports: 1                    | Points per port: 3     | DAQ Device: DT9803(01)     |

| Run 2 Average Results - RUN 2 0801 0831 |             |            |             |           |  |  |  |  |
|-----------------------------------------|-------------|------------|-------------|-----------|--|--|--|--|
| 07:55:00 - 08:25:00                     |             |            |             |           |  |  |  |  |
|                                         | Name:       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) |  |  |  |  |
|                                         | Make/Model: |            |             |           |  |  |  |  |
| Jul 19 2024                             | 07:56:00    | 15.24      | 3.014       | 0.585     |  |  |  |  |
| Jul 19 2024                             | 07:57:00    | 15.24      | 3.007       | 0.573     |  |  |  |  |
| Jul 19 2024                             | 07:58:00    | 15.24      | 3.012       | 0.591     |  |  |  |  |
| Jul 19 2024                             | 07:59:00    | 15.24      | 3.008       | 0.581     |  |  |  |  |
| Jul 19 2024                             | 08:00:00    | 15.24      | 3.009       | 0.561     |  |  |  |  |
| Jul 19 2024                             | 08:01:00    | 15.24      | 3.004       | 0.580     |  |  |  |  |
| Jul 19 2024                             | 08:02:00    | 15.24      | 3.005       | 0.575     |  |  |  |  |
| Jul 19 2024                             | 08:03:00    | 15.24      | 3.003       | 0.570     |  |  |  |  |
| Jul 19 2024                             | 08:04:00    | 15.23      | 3.005       | 0.574     |  |  |  |  |
| Jul 19 2024                             | 08:05:00    | 15.24      | 3.004       | 0.544     |  |  |  |  |
| End of port 1 point 1                   |             |            |             |           |  |  |  |  |
| Jul 19 2024                             | 08:06:00    | 15.24      | 3.001       | 0.610     |  |  |  |  |
| Jul 19 2024                             | 08:07:00    | 15.24      | 3.003       | 0.595     |  |  |  |  |
| Jul 19 2024                             | 08:08:00    | 15.24      | 2.999       | 0.619     |  |  |  |  |
| Jul 19 2024                             | 08:09:00    | 15.23      | 3.001       | 0.588     |  |  |  |  |
| Jul 19 2024                             | 08:10:00    | 15.23      | 2.997       | 0.599     |  |  |  |  |
| Jul 19 2024                             | 08:11:00    | 15.23      | 2.996       | 0.599     |  |  |  |  |
| Jul 19 2024                             | 08:12:00    | 15.23      | 2.994       | 0.573     |  |  |  |  |
| Jul 19 2024                             | 08:13:00    | 15.23      | 2.993       | 0.620     |  |  |  |  |
| Jul 19 2024                             | 08:14:00    | 15.24      | 2.992       | 0.596     |  |  |  |  |
| Jul 19 2024                             | 08:15:00    | 15.24      | 2.991       | 0.591     |  |  |  |  |
| End of port 1 point 2                   |             |            |             |           |  |  |  |  |
| Jul 19 2024                             | 08:16:00    | 15.24      | 2.987       | 0.567     |  |  |  |  |
| Jul 19 2024                             | 08:17:00    | 15.24      | 2.985       | 0.586     |  |  |  |  |
| Jul 19 2024                             | 08:18:00    | 15.24      | 2.986       | 0.588     |  |  |  |  |
| Jul 19 2024                             | 08:19:00    | 15.24      | 2.983       | 0.574     |  |  |  |  |
| Jul 19 2024                             | 08:20:00    | 15.25      | 2.990       | 0.595     |  |  |  |  |
| Jul 19 2024                             | 08:21:00    | 15.24      | 2.994       | 0.582     |  |  |  |  |
| Jul 19 2024                             | 08:22:00    | 15.24      | 2.998       | 0.594     |  |  |  |  |
| Jul 19 2024                             | 08:23:00    | 15.25      | 2.990       | 0.587     |  |  |  |  |
| Jul 19 2024                             | 08:24:00    | 15.24      | 2.994       | 0.569     |  |  |  |  |
| Jul 19 2024                             | 08:25:00    | 15.24      | 2.990       | 0.605     |  |  |  |  |
| End of port 1 point 3                   |             |            |             |           |  |  |  |  |
|                                         | Average:    | 15.24      | 2.998       | 0.586     |  |  |  |  |
|                                         | Max:        | 15.25      | 3.014       | 0.620     |  |  |  |  |
|                                         | Min:        | 15.23      | 2.983       | 0.544     |  |  |  |  |

| Stratification Results |             |            |             |           |  |  |  |  |
|------------------------|-------------|------------|-------------|-----------|--|--|--|--|
| Port                   | Point       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) |  |  |  |  |
| 1                      | 1           | 15.24      | 3.007       | 0.555     |  |  |  |  |
| 1                      | 2           | 15.24      | 2.996       | 0.601     |  |  |  |  |
| 1                      | 3           | 15.24      | 2.991       | 0.572     |  |  |  |  |
|                        | Strat diff: | 0.000      | 0.009       | 0.025     |  |  |  |  |
|                        | Strat %:    | 0.000      | 0.300       | 4.340     |  |  |  |  |



# MAQDAQ 1.0

|                       |                             |                        |                            |
|-----------------------|-----------------------------|------------------------|----------------------------|
| Project Name: SVP DVR | Project Number: PROJ-042969 | CEMS Operator: N.PATEL | Unit/Condition: UNIT 2 MIN |
| Run Length: 30        | Record Interval: 6          | Average Interval: 60   | Triplicate Sampling: False |
| Traverse: True        | Ports: 1                    | Points per port: 3     | DAQ Device: DT9803(01)     |

## Run 2 Post run bias - RUN 2 0801 0831

07:55:00 - 08:25:00

|                    |            |             |           |  |  |  |  |  |
|--------------------|------------|-------------|-----------|--|--|--|--|--|
| <b>Name:</b>       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) |  |  |  |  |  |
| <b>Make/Model:</b> |            |             |           |  |  |  |  |  |
| <b>25A or 7E:</b>  | 7E         | 7E          | 7E        |  |  |  |  |  |

### Run summary data

|                 |       |       |       |  |  |  |  |  |
|-----------------|-------|-------|-------|--|--|--|--|--|
| <b>Raw Avg:</b> | 15.24 | 2.998 | 0.586 |  |  |  |  |  |
| <b>Max:</b>     | 15.25 | 3.014 | 0.620 |  |  |  |  |  |
| <b>Min:</b>     | 15.23 | 2.983 | 0.544 |  |  |  |  |  |

### Cylinder Concentrations

|              |       |       |       |  |  |  |  |  |
|--------------|-------|-------|-------|--|--|--|--|--|
| <b>Zero:</b> | 0.000 | 0.000 | 0.000 |  |  |  |  |  |
| <b>Low:</b>  |       |       |       |  |  |  |  |  |
| <b>Mid:</b>  | 11.61 | 3.985 | 2.496 |  |  |  |  |  |
| <b>High:</b> | 21.12 | 8.376 | 5.059 |  |  |  |  |  |

### Calibration Readings

|                      |       |        |        |  |  |  |  |  |
|----------------------|-------|--------|--------|--|--|--|--|--|
| <b>Zero reading:</b> | 0.042 | -0.005 | -0.046 |  |  |  |  |  |
| <b>Low reading:</b>  |       |        |        |  |  |  |  |  |
| <b>Mid reading:</b>  | 11.53 | 3.966  | 2.552  |  |  |  |  |  |
| <b>High reading:</b> | 21.10 | 8.351  | 5.031  |  |  |  |  |  |

### EPA Method 7E Error Calculations

|                   |      |        |        |        |  |  |  |  |
|-------------------|------|--------|--------|--------|--|--|--|--|
| <b>Zero %Err:</b> | <2.0 | 0.199  | -0.060 | -0.909 |  |  |  |  |
| <b>Mid %Err:</b>  | <2.0 | -0.379 | -0.227 | 1.107  |  |  |  |  |
| <b>High %Err:</b> | <2.0 | -0.095 | -0.298 | -0.553 |  |  |  |  |

### Initial Bias Data

|                      |        |        |        |        |  |  |  |  |
|----------------------|--------|--------|--------|--------|--|--|--|--|
| <b>Zero reading:</b> | -0.065 | -0.002 | 0.002  |        |  |  |  |  |
| <b>Span reading:</b> | 11.27  | 3.881  | 2.420  |        |  |  |  |  |
| <b>Zero % bias:</b>  | <5.0   | -0.507 | 0.036  | 0.949  |  |  |  |  |
| <b>Span % bias:</b>  | <5.0   | -1.231 | -1.015 | -2.609 |  |  |  |  |

### Final Bias Data

|                      |        |        |        |        |  |  |  |  |
|----------------------|--------|--------|--------|--------|--|--|--|--|
| <b>Zero reading:</b> | -0.091 | -0.038 | -0.028 |        |  |  |  |  |
| <b>Span reading:</b> | 11.28  | 3.868  | 2.384  |        |  |  |  |  |
| <b>Zero % bias:</b>  | <5.0   | -0.630 | -0.394 | 0.356  |  |  |  |  |
| <b>Span % bias:</b>  | <5.0   | -1.184 | -1.170 | -3.321 |  |  |  |  |
| <b>Zero % drift:</b> | <3.0   | 0.123  | 0.430  | 0.593  |  |  |  |  |
| <b>Span % drift:</b> | <3.0   | 0.047  | 0.155  | 0.712  |  |  |  |  |

### Bias Corrected Averages

|                 |       |       |       |  |  |  |  |  |
|-----------------|-------|-------|-------|--|--|--|--|--|
| <b>Cor Avg:</b> | 15.66 | 3.088 | 0.619 |  |  |  |  |  |
|-----------------|-------|-------|-------|--|--|--|--|--|



| MAQDAQ 1.0            |                             |                        |                            |
|-----------------------|-----------------------------|------------------------|----------------------------|
| Project Name: SVP DVR | Project Number: PROJ-042969 | CEMS Operator: N.PATEL | Unit/Condition: UNIT 2 MIN |
| Run Length: 30        | Record Interval: 6          | Average Interval: 60   | Triplicate Sampling: False |
| Traverse: True        | Ports: 1                    | Points per port: 3     | DAQ Device: DT9803(01)     |

### Run 3 Average Results - RUN 2 0846 0916

08:40:00 - 09:10:00

|                       | Name:       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) |  |  |  |  |  |
|-----------------------|-------------|------------|-------------|-----------|--|--|--|--|--|
|                       | Make/Model: |            |             |           |  |  |  |  |  |
| Jul 19 2024           | 08:41:00    | 15.23      | 2.991       | 0.546     |  |  |  |  |  |
| Jul 19 2024           | 08:42:00    | 15.23      | 2.995       | 0.565     |  |  |  |  |  |
| Jul 19 2024           | 08:43:00    | 15.23      | 2.992       | 0.558     |  |  |  |  |  |
| Jul 19 2024           | 08:44:00    | 15.23      | 2.996       | 0.562     |  |  |  |  |  |
| Jul 19 2024           | 08:45:00    | 15.23      | 2.996       | 0.564     |  |  |  |  |  |
| Jul 19 2024           | 08:46:00    | 15.24      | 2.997       | 0.565     |  |  |  |  |  |
| Jul 19 2024           | 08:47:00    | 15.24      | 3.001       | 0.556     |  |  |  |  |  |
| Jul 19 2024           | 08:48:00    | 15.24      | 2.997       | 0.554     |  |  |  |  |  |
| Jul 19 2024           | 08:49:00    | 15.23      | 2.999       | 0.567     |  |  |  |  |  |
| Jul 19 2024           | 08:50:00    | 15.24      | 2.998       | 0.583     |  |  |  |  |  |
| End of port 1 point 1 |             |            |             |           |  |  |  |  |  |
| Jul 19 2024           | 08:51:00    | 15.23      | 3.001       | 0.580     |  |  |  |  |  |
| Jul 19 2024           | 08:52:00    | 15.22      | 2.997       | 0.593     |  |  |  |  |  |
| Jul 19 2024           | 08:53:00    | 15.23      | 2.999       | 0.577     |  |  |  |  |  |
| Jul 19 2024           | 08:54:00    | 15.23      | 2.997       | 0.582     |  |  |  |  |  |
| Jul 19 2024           | 08:55:00    | 15.23      | 2.996       | 0.576     |  |  |  |  |  |
| Jul 19 2024           | 08:56:00    | 15.23      | 2.994       | 0.589     |  |  |  |  |  |
| Jul 19 2024           | 08:57:00    | 15.22      | 2.996       | 0.572     |  |  |  |  |  |
| Jul 19 2024           | 08:58:00    | 15.22      | 2.996       | 0.577     |  |  |  |  |  |
| Jul 19 2024           | 08:59:00    | 15.22      | 2.998       | 0.583     |  |  |  |  |  |
| Jul 19 2024           | 09:00:00    | 15.23      | 3.000       | 0.576     |  |  |  |  |  |
| End of port 1 point 2 |             |            |             |           |  |  |  |  |  |
| Jul 19 2024           | 09:01:00    | 15.22      | 2.996       | 0.556     |  |  |  |  |  |
| Jul 19 2024           | 09:02:00    | 15.23      | 3.000       | 0.575     |  |  |  |  |  |
| Jul 19 2024           | 09:03:00    | 15.23      | 2.999       | 0.575     |  |  |  |  |  |
| Jul 19 2024           | 09:04:00    | 15.22      | 2.999       | 0.591     |  |  |  |  |  |
| Jul 19 2024           | 09:05:00    | 15.21      | 2.999       | 0.583     |  |  |  |  |  |
| Jul 19 2024           | 09:06:00    | 15.20      | 3.007       | 0.574     |  |  |  |  |  |
| Jul 19 2024           | 09:07:00    | 15.22      | 3.000       | 0.579     |  |  |  |  |  |
| Jul 19 2024           | 09:08:00    | 15.21      | 2.999       | 0.574     |  |  |  |  |  |
| Jul 19 2024           | 09:09:00    | 15.21      | 2.998       | 0.573     |  |  |  |  |  |
| Jul 19 2024           | 09:10:00    | 15.22      | 2.995       | 0.579     |  |  |  |  |  |
| End of port 1 point 3 |             |            |             |           |  |  |  |  |  |
|                       | Average:    | 15.23      | 2.998       | 0.573     |  |  |  |  |  |
|                       | Max:        | 15.24      | 3.007       | 0.593     |  |  |  |  |  |
|                       | Min:        | 15.20      | 2.991       | 0.546     |  |  |  |  |  |

### Stratification Results

| Port | Point       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) |  |  |  |  |  |
|------|-------------|------------|-------------|-----------|--|--|--|--|--|
| 1    | 1           | 15.23      | 2.996       | 0.570     |  |  |  |  |  |
| 1    | 2           | 15.23      | 2.997       | 0.575     |  |  |  |  |  |
| 1    | 3           | 15.21      | 2.999       | 0.574     |  |  |  |  |  |
|      | Strat diff: | 0.007      | 0.002       | 0.002     |  |  |  |  |  |
|      | Strat %:    | 0.088      | 0.056       | 0.524     |  |  |  |  |  |



## MAQDAQ 1.0

|                       |                             |                        |                            |
|-----------------------|-----------------------------|------------------------|----------------------------|
| Project Name: SVP DVR | Project Number: PROJ-042969 | CEMS Operator: N.PATEL | Unit/Condition: UNIT 2 MIN |
| Run Length: 30        | Record Interval: 6          | Average Interval: 60   | Triplicate Sampling: False |
| Traverse: True        | Ports: 1                    | Points per port: 3     | DAQ Device: DT9803(01)     |

### Run 3 Post run bias - RUN 2 0846 0916

08:40:00 - 09:10:00

|                    |            |             |           |  |  |  |  |  |
|--------------------|------------|-------------|-----------|--|--|--|--|--|
| <b>Name:</b>       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) |  |  |  |  |  |
| <b>Make/Model:</b> |            |             |           |  |  |  |  |  |
| <b>25A or 7E:</b>  | 7E         | 7E          | 7E        |  |  |  |  |  |

#### Run summary data

|                 |       |       |       |  |  |  |  |  |
|-----------------|-------|-------|-------|--|--|--|--|--|
| <b>Raw Avg:</b> | 15.23 | 2.998 | 0.573 |  |  |  |  |  |
| <b>Max:</b>     | 15.24 | 3.007 | 0.593 |  |  |  |  |  |
| <b>Min:</b>     | 15.20 | 2.991 | 0.546 |  |  |  |  |  |

#### Cylinder Concentrations

|              |       |       |       |  |  |  |  |  |
|--------------|-------|-------|-------|--|--|--|--|--|
| <b>Zero:</b> | 0.000 | 0.000 | 0.000 |  |  |  |  |  |
| <b>Low:</b>  |       |       |       |  |  |  |  |  |
| <b>Mid:</b>  | 11.61 | 3.985 | 2.496 |  |  |  |  |  |
| <b>High:</b> | 21.12 | 8.376 | 5.059 |  |  |  |  |  |

#### Calibration Readings

|                      |       |        |        |  |  |  |  |  |
|----------------------|-------|--------|--------|--|--|--|--|--|
| <b>Zero reading:</b> | 0.042 | -0.005 | -0.046 |  |  |  |  |  |
| <b>Low reading:</b>  |       |        |        |  |  |  |  |  |
| <b>Mid reading:</b>  | 11.53 | 3.966  | 2.552  |  |  |  |  |  |
| <b>High reading:</b> | 21.10 | 8.351  | 5.031  |  |  |  |  |  |

#### EPA Method 7E Error Calculations

|                   |      |        |        |        |  |  |  |  |
|-------------------|------|--------|--------|--------|--|--|--|--|
| <b>Zero %Err:</b> | <2.0 | 0.199  | -0.060 | -0.909 |  |  |  |  |
| <b>Mid %Err:</b>  | <2.0 | -0.379 | -0.227 | 1.107  |  |  |  |  |
| <b>High %Err:</b> | <2.0 | -0.095 | -0.298 | -0.553 |  |  |  |  |

#### Initial Bias Data

|                      |        |        |        |        |  |  |  |  |
|----------------------|--------|--------|--------|--------|--|--|--|--|
| <b>Zero reading:</b> | -0.091 | -0.038 | -0.028 |        |  |  |  |  |
| <b>Span reading:</b> | 11.28  | 3.868  | 2.384  |        |  |  |  |  |
| <b>Zero % bias:</b>  | <5.0   | -0.630 | -0.394 | 0.356  |  |  |  |  |
| <b>Span % bias:</b>  | <5.0   | -1.184 | -1.170 | -3.321 |  |  |  |  |

#### Final Bias Data

|                      |        |        |        |        |  |  |  |  |
|----------------------|--------|--------|--------|--------|--|--|--|--|
| <b>Zero reading:</b> | -0.114 | -0.030 | 0.056  |        |  |  |  |  |
| <b>Span reading:</b> | 11.25  | 3.871  | 2.492  |        |  |  |  |  |
| <b>Zero % bias:</b>  | <5.0   | -0.739 | -0.299 | 2.016  |  |  |  |  |
| <b>Span % bias:</b>  | <5.0   | -1.326 | -1.134 | -1.186 |  |  |  |  |
| <b>Zero % drift:</b> | <3.0   | 0.109  | 0.096  | 1.660  |  |  |  |  |
| <b>Span % drift:</b> | <3.0   | 0.142  | 0.036  | 2.135  |  |  |  |  |

#### Bias Corrected Averages

|                 |       |       |       |  |  |  |  |  |
|-----------------|-------|-------|-------|--|--|--|--|--|
| <b>Cor Avg:</b> | 15.66 | 3.095 | 0.576 |  |  |  |  |  |
|-----------------|-------|-------|-------|--|--|--|--|--|



| MAQDAQ 1.0            |                             |                        |                            |
|-----------------------|-----------------------------|------------------------|----------------------------|
| Project Name: SVP DVR | Project Number: PROJ-042969 | CEMS Operator: N.PATEL | Unit/Condition: UNIT 2 MIN |
| Run Length: 30        | Record Interval: 6          | Average Interval: 60   | Triplicate Sampling: False |
| Traverse: True        | Ports: 1                    | Points per port: 3     | DAQ Device: DT9803(01)     |

| Run 4 Average Results - RUN 3 0924 0954 |             |            |             |           |  |  |  |  |
|-----------------------------------------|-------------|------------|-------------|-----------|--|--|--|--|
| 09:18:00 - 09:48:00                     |             |            |             |           |  |  |  |  |
|                                         | Name:       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) |  |  |  |  |
|                                         | Make/Model: |            |             |           |  |  |  |  |
| Jul 19 2024                             | 09:19:00    | 15.21      | 2.990       | 0.600     |  |  |  |  |
| Jul 19 2024                             | 09:20:00    | 15.22      | 2.993       | 0.597     |  |  |  |  |
| Jul 19 2024                             | 09:21:00    | 15.21      | 2.991       | 0.588     |  |  |  |  |
| Jul 19 2024                             | 09:22:00    | 15.21      | 2.994       | 0.579     |  |  |  |  |
| Jul 19 2024                             | 09:23:00    | 15.22      | 2.992       | 0.569     |  |  |  |  |
| Jul 19 2024                             | 09:24:00    | 15.20      | 2.997       | 0.571     |  |  |  |  |
| Jul 19 2024                             | 09:25:00    | 15.21      | 2.995       | 0.562     |  |  |  |  |
| Jul 19 2024                             | 09:26:00    | 15.21      | 2.995       | 0.559     |  |  |  |  |
| Jul 19 2024                             | 09:27:00    | 15.21      | 2.994       | 0.590     |  |  |  |  |
| Jul 19 2024                             | 09:28:00    | 15.21      | 2.992       | 0.584     |  |  |  |  |
| End of port 1 point 1                   |             |            |             |           |  |  |  |  |
| Jul 19 2024                             | 09:29:00    | 15.22      | 2.991       | 0.596     |  |  |  |  |
| Jul 19 2024                             | 09:30:00    | 15.22      | 2.988       | 0.592     |  |  |  |  |
| Jul 19 2024                             | 09:31:00    | 15.22      | 2.989       | 0.598     |  |  |  |  |
| Jul 19 2024                             | 09:32:00    | 15.22      | 2.986       | 0.595     |  |  |  |  |
| Jul 19 2024                             | 09:33:00    | 15.22      | 2.987       | 0.588     |  |  |  |  |
| Jul 19 2024                             | 09:34:00    | 15.22      | 2.982       | 0.583     |  |  |  |  |
| Jul 19 2024                             | 09:35:00    | 15.22      | 2.986       | 0.580     |  |  |  |  |
| Jul 19 2024                             | 09:36:00    | 15.23      | 2.981       | 0.579     |  |  |  |  |
| Jul 19 2024                             | 09:37:00    | 15.22      | 2.985       | 0.586     |  |  |  |  |
| Jul 19 2024                             | 09:38:00    | 15.21      | 2.986       | 0.581     |  |  |  |  |
| End of port 1 point 2                   |             |            |             |           |  |  |  |  |
| Jul 19 2024                             | 09:39:00    | 15.21      | 2.983       | 0.579     |  |  |  |  |
| Jul 19 2024                             | 09:40:00    | 15.21      | 2.982       | 0.594     |  |  |  |  |
| Jul 19 2024                             | 09:41:00    | 15.22      | 2.981       | 0.598     |  |  |  |  |
| Jul 19 2024                             | 09:42:00    | 15.22      | 2.983       | 0.604     |  |  |  |  |
| Jul 19 2024                             | 09:43:00    | 15.22      | 2.977       | 0.590     |  |  |  |  |
| Jul 19 2024                             | 09:44:00    | 15.22      | 2.980       | 0.591     |  |  |  |  |
| Jul 19 2024                             | 09:45:00    | 15.21      | 2.976       | 0.592     |  |  |  |  |
| Jul 19 2024                             | 09:46:00    | 15.22      | 2.981       | 0.580     |  |  |  |  |
| Jul 19 2024                             | 09:47:00    | 15.21      | 2.979       | 0.586     |  |  |  |  |
| Jul 19 2024                             | 09:48:00    | 15.21      | 2.980       | 0.585     |  |  |  |  |
| End of port 1 point 3                   |             |            |             |           |  |  |  |  |
|                                         | Average:    | 15.22      | 2.987       | 0.586     |  |  |  |  |
|                                         | Max:        | 15.23      | 2.997       | 0.604     |  |  |  |  |
|                                         | Min:        | 15.20      | 2.976       | 0.559     |  |  |  |  |

| Stratification Results |             |            |             |           |  |  |  |  |
|------------------------|-------------|------------|-------------|-----------|--|--|--|--|
| Port                   | Point       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) |  |  |  |  |
| 1                      | 1           | 15.21      | 2.992       | 0.573     |  |  |  |  |
| 1                      | 2           | 15.22      | 2.986       | 0.587     |  |  |  |  |
| 1                      | 3           | 15.21      | 2.979       | 0.601     |  |  |  |  |
|                        | Strat diff: | 0.007      | 0.006       | 0.014     |  |  |  |  |
|                        | Strat %:    | 0.044      | 0.223       | 2.385     |  |  |  |  |



## MAQDAQ 1.0

|                       |                             |                        |                            |
|-----------------------|-----------------------------|------------------------|----------------------------|
| Project Name: SVP DVR | Project Number: PROJ-042969 | CEMS Operator: N.PATEL | Unit/Condition: UNIT 2 MIN |
| Run Length: 30        | Record Interval: 6          | Average Interval: 60   | Triplicate Sampling: False |
| Traverse: True        | Ports: 1                    | Points per port: 3     | DAQ Device: DT9803(01)     |

### Run 4 Post run bias - RUN 3 0924 0954

09:18:00 - 09:48:00

|                    |            |             |           |  |  |  |  |  |
|--------------------|------------|-------------|-----------|--|--|--|--|--|
| <b>Name:</b>       | O2 (OX-10) | CO2 (CD-10) | CO (CO21) |  |  |  |  |  |
| <b>Make/Model:</b> |            |             |           |  |  |  |  |  |
| <b>25A or 7E:</b>  | 7E         | 7E          | 7E        |  |  |  |  |  |

#### Run summary data

|                 |       |       |       |  |  |  |  |  |
|-----------------|-------|-------|-------|--|--|--|--|--|
| <b>Raw Avg:</b> | 15.22 | 2.987 | 0.586 |  |  |  |  |  |
| <b>Max:</b>     | 15.23 | 2.997 | 0.604 |  |  |  |  |  |
| <b>Min:</b>     | 15.20 | 2.976 | 0.559 |  |  |  |  |  |

#### Cylinder Concentrations

|              |       |       |       |  |  |  |  |  |
|--------------|-------|-------|-------|--|--|--|--|--|
| <b>Zero:</b> | 0.000 | 0.000 | 0.000 |  |  |  |  |  |
| <b>Low:</b>  |       |       |       |  |  |  |  |  |
| <b>Mid:</b>  | 11.61 | 3.985 | 2.496 |  |  |  |  |  |
| <b>High:</b> | 21.12 | 8.376 | 5.059 |  |  |  |  |  |

#### Calibration Readings

|                      |       |        |        |  |  |  |  |  |
|----------------------|-------|--------|--------|--|--|--|--|--|
| <b>Zero reading:</b> | 0.042 | -0.005 | -0.046 |  |  |  |  |  |
| <b>Low reading:</b>  |       |        |        |  |  |  |  |  |
| <b>Mid reading:</b>  | 11.53 | 3.966  | 2.552  |  |  |  |  |  |
| <b>High reading:</b> | 21.10 | 8.351  | 5.031  |  |  |  |  |  |

#### EPA Method 7E Error Calculations

|                   |      |        |        |        |  |  |  |  |
|-------------------|------|--------|--------|--------|--|--|--|--|
| <b>Zero %Err:</b> | <2.0 | 0.199  | -0.060 | -0.909 |  |  |  |  |
| <b>Mid %Err:</b>  | <2.0 | -0.379 | -0.227 | 1.107  |  |  |  |  |
| <b>High %Err:</b> | <2.0 | -0.095 | -0.298 | -0.553 |  |  |  |  |

#### Initial Bias Data

|                      |        |        |        |        |  |  |  |  |
|----------------------|--------|--------|--------|--------|--|--|--|--|
| <b>Zero reading:</b> | -0.114 | -0.030 | 0.056  |        |  |  |  |  |
| <b>Span reading:</b> | 11.25  | 3.871  | 2.492  |        |  |  |  |  |
| <b>Zero % bias:</b>  | <5.0   | -0.739 | -0.299 | 2.016  |  |  |  |  |
| <b>Span % bias:</b>  | <5.0   | -1.326 | -1.134 | -1.186 |  |  |  |  |

#### Final Bias Data

|                      |        |        |        |        |  |  |  |  |
|----------------------|--------|--------|--------|--------|--|--|--|--|
| <b>Zero reading:</b> | -0.112 | 0.017  | -0.010 |        |  |  |  |  |
| <b>Span reading:</b> | 11.28  | 3.867  | 2.450  |        |  |  |  |  |
| <b>Zero % bias:</b>  | <5.0   | -0.729 | 0.263  | 0.712  |  |  |  |  |
| <b>Span % bias:</b>  | <5.0   | -1.184 | -1.182 | -2.016 |  |  |  |  |
| <b>Zero % drift:</b> | <3.0   | 0.010  | 0.561  | 1.304  |  |  |  |  |
| <b>Span % drift:</b> | <3.0   | 0.142  | 0.048  | 0.830  |  |  |  |  |

#### Bias Corrected Averages

|                 |       |       |       |  |  |  |  |  |
|-----------------|-------|-------|-------|--|--|--|--|--|
| <b>Cor Avg:</b> | 15.65 | 3.078 | 0.574 |  |  |  |  |  |
|-----------------|-------|-------|-------|--|--|--|--|--|

## **Appendix A.5**

### **Particulate Matter Calculations/Results**

## SOURCE TEST DATA SUMMARY

|                                                                                              |           |           |           |         |          |
|----------------------------------------------------------------------------------------------|-----------|-----------|-----------|---------|----------|
| Client.....                                                                                  | SV Power  |           |           |         |          |
| Unit / Location.....                                                                         | Unit 1    |           |           |         |          |
| A (stack area), ft <sup>2</sup> .....                                                        | 78.540    |           |           |         |          |
| T <sub>ref</sub> (reference temperature), °F.....                                            | 70        |           |           |         |          |
| Test number.....                                                                             | 1-PM-1    | 2-PM-1    | 3-PM-1    | Average | FB       |
| Date.....                                                                                    | 7/16/24   | 7/16/24   | 7/16/24   | --      | --       |
| Start / Stop time.....                                                                       | 0755-1006 | 1105-1312 | 1335-1542 | --      | --       |
| <b>Process Data</b>                                                                          |           |           |           |         |          |
| Unit Load, MW.....                                                                           | 72        | 72        | 73        | 72      |          |
| Heat Input, MMBtu/hr.....                                                                    | 563.6     | 566.9     | 568.6     | 566.4   |          |
| Meter box number.....                                                                        | CB-18     | CB-18     | CB-18     | --      |          |
| C <sub>p</sub> (pitot coefficient), dimensionless.....                                       | 0.84      | 0.84      | 0.84      | 0.84    | 0.84     |
| Y (meter calibration factor), dimensionless.....                                             | 0.990     | 0.990     | 0.990     | 0.990   | 0.990    |
| Θ (sample time), min.....                                                                    | 120       | 120       | 120       | 120     | 120      |
| Nozzle diameter, in.....                                                                     | 0.200     | 0.200     | 0.200     | 0.200   | 0.2000   |
| P <sub>bar</sub> (barometric pressure), in Hg.....                                           | 30.00     | 30.00     | 30.00     | 30.00   | 30.0000  |
| V <sub>m</sub> (meter box volume), acf.....                                                  | 72.301    | 73.057    | 72.188    | 72.515  | 72.5153  |
| V <sub>lc</sub> (impinger liquid volume), ml.....                                            | 210.6     | 214.3     | 195.7     | 206.9   | 206.8667 |
| T <sub>m</sub> (meter temperature), °F.....                                                  | 87.6      | 80.2      | 81.0      | 82.9    | 82.9444  |
| ΔH (meter pressure), in. H <sub>2</sub> O.....                                               | 1.323     | 1.343     | 1.369     | 1.345   | 1.3449   |
| ΔP (velocity head), in. H <sub>2</sub> O.....                                                | 0.9844    | 0.9921    | 1.0134    | 0.9966  | 0.9966   |
| P <sub>g</sub> (static pressure), in. Hg.....                                                | 0.84      | 0.84      | 0.84      | 0.84    | 0.8400   |
| T <sub>s</sub> (stack temperature), °F.....                                                  | 232.3     | 235.9     | 233.3     | 234     | 233.8194 |
| %O <sub>2</sub> (oxygen stack gas), % volume dry.....                                        | 13.1      | 13.1      | 13.1      | 13.1    | 13.1000  |
| %CO <sub>2</sub> (carbon dioxide stack gas), % volume dry.....                               | 4.5       | 4.5       | 4.5       | 4.5     | 4.5000   |
| m <sub>f</sub> (F½ particulate matter catch - filter), mg.....                               | <0.28     | <0.28     | <0.28     | <0.28   | <0.28    |
| m <sub>a</sub> (F½ particulate matter catch - acetone rinse), mg.....                        | <0.11     | <0.11     | <0.11     | <0.11   | <0.11    |
| m <sub>cpm</sub> (B½ particulate matter catch - total condensable, blank corrected), mg..... | <1.24     | 1.34      | <1.24     | 1.27    | <1.24    |
| m <sub>n</sub> (total particulate matter catch), mg.....                                     | <1.63     | 1.73      | <1.63     | 1.66    | <1.63    |
| 1a V <sub>m(std)</sub> (standard sample volume), dscf.....                                   | 69.685    | 71.389    | 70.430    | 70.501  | 70.501   |
| 1b V <sub>w(std)</sub> (water vapor volume), scf.....                                        | 9.970     | 10.145    | 9.264     | 9.793   | 9.793    |
| 1c B <sub>ws</sub> (moisture fraction), non-dimensional.....                                 | 0.1252    | 0.1244    | 0.1162    | 0.1219  | 0.122    |
| Moisture, %.....                                                                             | 12.5      | 12.4      | 11.6      | 12.2    | 12.2     |
| 1d MW <sub>dry</sub> (stack gas molecular weight), dry.....                                  | 29.244    | 29.244    | 29.244    | 29.244  | 29.244   |
| 1e MW <sub>wet</sub> (stack gas molecular weight), wet.....                                  | 27.837    | 27.845    | 27.937    | 27.873  | 27.873   |
| 1f P <sub>s</sub> (absolute stack pressure), in Hg.....                                      | 30.062    | 30.062    | 30.062    | 30.062  | 30.062   |
| 1g V <sub>s</sub> (stack gas velocity), ft/sec.....                                          | 64.699    | 65.113    | 65.571    | 65.128  | 65.128   |
| 1h Q (stack flow rate), acfm.....                                                            | 304,886   | 306,838   | 308,996   | 306,907 | 306,907  |
| 1i Q <sub>ws</sub> (stack flow rate), wscfm.....                                             | 234,519   | 234,790   | 237,352   | 235,554 | 235,554  |
| 1j Q <sub>ds</sub> (stack flow rate), dscfm.....                                             | 205,166   | 205,577   | 209,761   | 206,835 | 206,835  |
| 1k I (isokinetic ratio), %.....                                                              | 101.9     | 104.2     | 100.8     | 102.3   | 102.3    |
| 3a G (F½ grain loading), gr/dscf.....                                                        | <0.0001   | <0.0001   | <0.0001   | <0.0001 | <0.0001  |
| 3c M (F½ mass emissions), lb/hr.....                                                         | <0.15     | <0.15     | <0.15     | <0.15   | <0.15    |
| M (F½ mass emissions), lb/day.....                                                           | <3.6      | <3.6      | <3.7      | <3.6    | <3.6     |
| 3a G (B½ grain loading), gr/dscf.....                                                        | <0.0003   | 0.0003    | <0.0003   | 0.0003  | <0.0003  |
| 3c M (B½ mass emissions), lb/hr.....                                                         | <0.48     | 0.51      | <0.49     | 0.49    | <0.48    |
| M (B½ mass emissions), lb/day.....                                                           | <11.6     | 12.2      | <11.7     | 11.9    | <11.5    |
| 3a G (total grain loading), gr/dscf.....                                                     | <0.0004   | 0.0004    | <0.0004   | 0.0004  | <0.0004  |
| 3c M (total mass emissions), lb/hr.....                                                      | <0.63     | 0.66      | <0.64     | 0.65    | <0.63    |
| M (total mass emissions), lb/day.....                                                        | <15.2     | 15.8      | <15.4     | 15.5    | <15.2    |

## SOURCE TEST DATA SUMMARY

|                                                                                             |           |           |           |         |         |
|---------------------------------------------------------------------------------------------|-----------|-----------|-----------|---------|---------|
| Client.....                                                                                 | SV Power  |           |           |         |         |
| Unit / Location.....                                                                        | Unit 2    |           |           |         |         |
| A (stack area), ft <sup>2</sup> .....                                                       | 78.540    |           |           |         |         |
| T <sub>ref</sub> (reference temperature), °F.....                                           | 70        |           |           |         |         |
| Test number.....                                                                            | 1-PM-2    | 2-PM-2    | 3-PM-2    | Average | FB      |
| Date.....                                                                                   | 7/18/24   | 7/18/24   | 7/18/24   | --      | --      |
| Start / Stop time.....                                                                      | 0745-0951 | 1032-1238 | 1315-1524 | --      | --      |
| <b>Process Data</b>                                                                         |           |           |           |         |         |
| Unit Load, MW.....                                                                          | 71        | 71        | 71        | 71      |         |
| Heat Input, MMBtu/hr.....                                                                   | 560.3     | 561.3     | 564.2     | 561.9   |         |
| Meter box number.....                                                                       | CB-18     | CB-18     | CB-18     | --      |         |
| C <sub>p</sub> (pitot coefficient), dimensionless .....                                     | 0.84      | 0.84      | 0.84      | 0.84    | 0.84    |
| Y (meter calibration factor), dimensionless.....                                            | 0.990     | 0.990     | 0.990     | 0.990   | 0.990   |
| Θ (sample time), min.....                                                                   | 120       | 120       | 120       | 120     | 120     |
| Nozzle diameter, in.....                                                                    | 0.184     | 0.184     | 0.184     | 0.184   | 0.184   |
| P <sub>bar</sub> (barometric pressure), in Hg.....                                          | 29.99     | 29.99     | 29.99     | 29.99   | 29.99   |
| V <sub>m</sub> (meter box volume), acf.....                                                 | 70.867    | 72.475    | 73.325    | 72.222  | 72.222  |
| V <sub>lc</sub> (impinger liquid volume), ml.....                                           | 200.3     | 213.2     | 218.1     | 210.5   | 210.5   |
| T <sub>m</sub> (meter temperature), °F.....                                                 | 81.4      | 84.8      | 85.0      | 83.7    | 83.7    |
| ΔH (meter pressure), in. H <sub>2</sub> O.....                                              | 1.209     | 1.261     | 1.233     | 1.234   | 1.234   |
| ΔP (velocity head), in. H <sub>2</sub> O.....                                               | 1.4029    | 1.4589    | 1.4350    | 1.4323  | 1.4323  |
| P <sub>g</sub> (static pressure), in. Hg.....                                               | 0.2       | 0.2       | 0.2       | 0.20    | 0.20    |
| T <sub>s</sub> (stack temperature), °F.....                                                 | 237.1     | 240.7     | 243.2     | 240     | 240.3   |
| %O <sub>2</sub> (oxygen stack gas), % volume dry.....                                       | 12.8      | 12.9      | 12.8      | 12.8    | 12.8    |
| %CO <sub>2</sub> (carbon dioxide stack gas), % volume dry.....                              | 4.5       | 4.6       | 4.7       | 4.6     | 4.6     |
| m <sub>f</sub> (F½ particulate matter catch - filter), mg.....                              | 0.33      | <0.28     | 0.30      | 0.30    | <0.28   |
| m <sub>a</sub> (F½ particulate matter catch - acetone rinse), mg.....                       | <0.11     | <0.11     | <0.11     | <0.11   | <0.11   |
| m <sub>cpm</sub> (B½ particulate matter catch - total condensable, blank corrected), n..... | <1.24     | <1.24     | <1.24     | <1.24   | <1.24   |
| m <sub>n</sub> (total particulate matter catch), mg.....                                    | 1.68      | <1.63     | 1.65      | 1.65    | 1.63    |
| 1a V <sub>m(std)</sub> (standard sample volume), dscf.....                                  | 69.044    | 70.187    | 70.978    | 70.070  | 70.070  |
| 1b V <sub>w(std)</sub> (water vapor volume), scf.....                                       | 9.482     | 10.093    | 10.325    | 9.966   | 9.966   |
| 1c B <sub>ws</sub> (moisture fraction), non-dimensional.....                                | 0.1207    | 0.1257    | 0.1270    | 0.1245  | 0.124   |
| Moisture, %.....                                                                            | 12.1      | 12.6      | 12.7      | 12.4    | 12.4    |
| 1d MW <sub>dry</sub> (stack gas molecular weight), dry.....                                 | 29.232    | 29.252    | 29.264    | 29.249  | 29.249  |
| 1e MW <sub>wet</sub> (stack gas molecular weight), wet.....                                 | 27.876    | 27.837    | 27.834    | 27.849  | 27.849  |
| 1f P <sub>s</sub> (absolute stack pressure), in Hg.....                                     | 30.005    | 30.005    | 30.005    | 30.005  | 30.005  |
| 1g V <sub>s</sub> (stack gas velocity), ft/sec.....                                         | 77.651    | 79.444    | 78.935    | 78.677  | 78.677  |
| 1h Q (stack flow rate), acfm.....                                                           | 365,925   | 374,371   | 371,973   | 370,756 | 370,756 |
| 1i Q <sub>ws</sub> (stack flow rate), wscfm.....                                            | 278,987   | 283,984   | 281,162   | 281,378 | 281,378 |
| 1j Q <sub>ds</sub> (stack flow rate), dscfm.....                                            | 245,300   | 248,283   | 245,458   | 246,347 | 246,347 |
| 1k I (isokinetic ratio), %.....                                                             | 99.8      | 100.2     | 102.5     | 100.8   | 100.8   |
| 3a G (F½ grain loading), gr/dscf.....                                                       | 0.0001    | <0.0001   | 0.0001    | 0.0001  | 0.0001  |
| 3c M (F½ mass emissions), lb/hr.....                                                        | 0.2       | <0.2      | 0.2       | 0.2     | 0.2     |
| M (F½ mass emissions), lb/day.....                                                          | 5         | <4        | 5         | 5       | 4       |
| 3a G (B½ grain loading), gr/dscf.....                                                       | <0.0003   | <0.0003   | <0.0003   | <0.0003 | <0.0003 |
| 3c M (B½ mass emissions), lb/hr.....                                                        | <0.6      | <0.6      | <0.6      | <0.6    | <0.6    |
| M (B½ mass emissions), lb/day.....                                                          | <14       | <14       | <14       | <14     | <14     |
| 3a G (total grain loading), gr/dscf.....                                                    | 0.0004    | <0.0004   | 0.0004    | 0.0004  | 0.0004  |
| 3c M (total mass emissions), lb/hr.....                                                     | 0.8       | <0.8      | 0.8       | 0.8     | 0.8     |
| M (total mass emissions), lb/day.....                                                       | 19        | <18       | 18        | 18      | 18      |

## **Appendix A.6**

### **Ammonia and Gaseous Calculations/Results**

## SOURCE TEST DATA SUMMARY

|                                                                                 |             |             |             |         |
|---------------------------------------------------------------------------------|-------------|-------------|-------------|---------|
| Client.....                                                                     | SV Power    |             |             |         |
| Unit / Location.....                                                            | Unit #1     |             |             |         |
| Reference temperature, °F.....                                                  | 70          |             |             |         |
| Test number.....                                                                | 7-NH3-1-MIN | 8-NH3-1-MIN | 9-NH3-1-MIN | Average |
| Date.....                                                                       | 7/17/24     | 7/17/24     | 7/17/24     | --      |
| Start / Stop time.....                                                          | 0727-0757   | 0804-0834   | 0843-0913   | --      |
| <b><u>FUEL DATA</u></b>                                                         |             |             |             |         |
| Fuel "F" factor @ 68°F, dscf/MMBtu.....                                         | 8,615       | 8,615       | 8,615       | 8,615   |
| Fuel "F" factor @ T <sub>ref</sub> , dscf/MMBtu.....                            | 8,648       | 8,648       | 8,648       | 8,648   |
| Fuel higher heating value (HHV), Btu/scf.....                                   | 1,028       | 1,028       | 1,028       | 1,028   |
| Fuel flow, scfh.....                                                            | 263,310     | 263,770     | 263,750     | 263,610 |
| Heat Input, MMBtu/hr.....                                                       | 276.5       | 277.0       | 276.9       | 276.8   |
| Unit Load, MW.....                                                              | 33.0        | 33.0        | 33.0        | 33.0    |
| <b><u>SAMPLE TRAIN DATA</u></b>                                                 |             |             |             |         |
| Meter box number/ID.....                                                        | CB-22       | CB-22       | CB-22       | --      |
| Meter calibration, Yd.....                                                      | 0.992       | 0.992       | 0.992       | 0.992   |
| Barometric pressure, in Hg.....                                                 | 30.06       | 30.06       | 30.06       | 30.06   |
| Meter box volume, acf.....                                                      | 23.145      | 23.475      | 22.980      | 23.200  |
| Impinger liquid volume, ml.....                                                 | 45.6        | 47.5        | 47.2        | 46.8    |
| Meter temperature, °F.....                                                      | 61.3        | 66.0        | 66.0        | 64.4    |
| Meter pressure, (Delta H) iwg.....                                              | 1.800       | 1.800       | 1.800       | 1.800   |
| <b><u>ANALYZER DATA</u></b>                                                     |             |             |             |         |
| O <sub>2</sub> , % volume dry.....                                              | 15.69       | 15.78       | 15.74       | 15.7    |
| CO <sub>2</sub> , % volume dry.....                                             | 2.985       | 3.009       | 2.995       | 3.0     |
| CO emissions, ppm volume dry.....                                               | 1.125       | 1.031       | 1.084       | 1.080   |
| <b><u>VOLUMETRIC FLOW RATE</u></b>                                              |             |             |             |         |
| <sup>1a</sup> Standard sample volume, dscf.....                                 | 23.554      | 23.678      | 23.179      | 23.470  |
| Standard sample volume, dscf @ 70F.....                                         | 23.549      | 23.673      | 23.173      | 23.465  |
| <sup>1b</sup> Water vapor volume, scf.....                                      | 2.1582      | 2.2481      | 2.2339      | 2.2134  |
| <sup>1c</sup> Moisture fraction, nondimensional.....                            | 0.0839      | 0.0867      | 0.0879      | 0.0862  |
| <sup>1d</sup> Stack gas molecular weight, dry.....                              | 29.105      | 29.113      | 29.109      | 29.109  |
| <sup>1e</sup> Stack gas molecular weight, wet.....                              | 28.173      | 28.149      | 28.132      | 28.151  |
| <sup>1f</sup> Absolute stack pressure, in Hg.....                               | 30.060      | 30.060      | 30.060      | 30.060  |
| Stack flow rate - based on fuel, dscfm.....                                     | 156,500     | 159,529     | 158,281     | 158,103 |
| <b><u>NH<sub>3</sub> ION SELECTIVE ELECTRODE</u></b>                            |             |             |             |         |
| Audit sample concentration (measured), ppm.....                                 | 9.72        | 9.72        | 9.72        | 9.72    |
| Audit sample concentration (actual), ppm.....                                   | 10.00       | 10.00       | 10.00       | 10.00   |
| Audit sample, % recovery.....                                                   | 97.2        | 97.2        | 97.2        | 97.2    |
| Sample volume - fraction 1 - (total), ml.....                                   | 166.3       | 164.1       | 177.8       | 169.4   |
| Sample concentration - fraction 1 - (measured), ppm..                           | 7.85        | 8.53        | 7.21        | 7.86    |
| Sample volume - fraction 2 - (total), ml.....                                   | 137.5       | 141.0       | 164.1       | 147.5   |
| Sample concentration - fraction 2 - (measured), ppm..                           | <0.5        | <0.5        | <0.5        | <0.5    |
| Mass of ammonia, mg.....                                                        | 1.31        | 1.40        | 1.28        | 1.33    |
| <b><u>EMISSIONS</u></b>                                                         |             |             |             |         |
| CO concentrations, ppm volume dry.....                                          | 1.1         | 1.0         | 1.1         | 1.1     |
| <sup>2b</sup> CO concentrations, ppm @ 15% O <sub>2</sub> dry.....              | 1.3         | 1.2         | 1.2         | 1.2     |
| <sup>2c</sup> CO mass emissions, lb/hr.....                                     | 0.76        | 0.71        | 0.75        | 0.74    |
| <sup>2f</sup> CO mass emissions, lb/MMBtu.....                                  | 0.0028      | 0.0026      | 0.0027      | 0.0027  |
| NH <sub>3</sub> concentrations, ppm volume dry.....                             | 2.8         | 3.0         | 2.8         | 2.8     |
| <sup>2b</sup> NH <sub>3</sub> concentrations, ppm @ 15% O <sub>2</sub> dry..... | 3.2         | 3.4         | 3.2         | 3.2     |
| <sup>2c</sup> NH <sub>3</sub> mass emissions, lb/hr.....                        | 1.2         | 1.3         | 1.2         | 1.2     |
| <sup>2f</sup> NH <sub>3</sub> mass emissions, lb/MMBtu.....                     | 0.0043      | 0.0046      | 0.0043      | 0.0044  |

# RELATIVE ACCURACY TEST AUDIT DETERMINATION

## SV POWER

### TURBINE #1

| Test No.                                                   | Run 1     | Run 2     | Run 3     | Run 4     | Run 5     | Run 6     | Run 7     | Run 8     | Run 9     | Run 10    | Average   |
|------------------------------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Date                                                       | 7/16/24   | 7/16/24   | 7/16/24   | 7/16/24   | 7/16/24   | 7/16/24   | 7/16/24   | 7/16/24   | 7/16/24   | 7/16/24   | Runs 1-10 |
| Start Time                                                 | 0829-0910 | 0938-1008 | 1027-1057 | 1123-1153 | 1203-1224 | 1240-1301 | 1307-1328 | 1338-1359 | 1406-1427 | 1439-1500 | --        |
| Reference temperature, °F                                  | 70        | 70        | 70        | 70        | 70        | 70        | 70        | 70        | 70        | 70        | 70        |
| Unit load, MW                                              | 72        | 72        | 72        | 72        | 72        | 73        | 73        | 73        | 73        | 73        | 72.5      |
| Unit fuel flow @ 60 °F, scfh                               | 536,160   | 537,310   | 537,570   | 538,260   | 539,040   | 541,130   | 541,180   | 541,630   | 541,550   | 541,350   | 539,518   |
| Unit Heat Input, MMBtu/hr                                  | 563.0     | 564.2     | 564.4     | 565.2     | 566.0     | 568.2     | 568.2     | 568.7     | 568.6     | 568.4     | 566       |
| "F <sub>d</sub> " factor @ 68 °F, dscf/MMBtu               | 8,615     | 8,615     | 8,615     | 8,615     | 8,615     | 8,615     | 8,615     | 8,615     | 8,615     | 8,615     | 8,615     |
| "F <sub>d</sub> " factor @ T <sub>ref</sub> °F, dscf/MMBtu | 8,648     | 8,648     | 8,648     | 8,648     | 8,648     | 8,648     | 8,648     | 8,648     | 8,648     | 8,648     | 8,648     |
| HHV @ 60 °F, btu/scf                                       | 1,026     | 1,026     | 1,026     | 1,026     | 1,026     | 1,026     | 1,026     | 1,026     | 1,026     | 1,026     | 1,026     |
| Stack flow rate - based on fuel, dscfm                     | 211,898   | 211,811   | 212,727   | 212,456   | 212,764   | 212,774   | 213,337   | 213,514   | 213,210   | 213,404   | 212,790   |
| Stack flow rate - based on fuel, dscfm                     | 211,898   | 211,811   | 212,727   | 212,456   | 212,764   | 212,774   | 213,337   | 213,514   | 213,210   | 213,404   | 212,790   |
| O <sub>2</sub> , % volume dry                              | 13.08     | 13.06     | 13.09     | 13.07     | 13.07     | 13.04     | 13.06     | 13.06     | 13.05     | 13.06     | 13.06     |
| CO <sub>2</sub> , % volume dry                             | 4.511     | 4.529     | 4.514     | 4.525     | 4.519     | 4.549     | 4.555     | 4.547     | 4.537     | 4.542     | 4.53      |
| CO, ppm volume dry                                         | 1.148     | 1.179     | 1.169     | 1.179     | 1.195     | 1.208     | 1.195     | 1.207     | 1.211     | 1.225     | 1.192     |
| CO, ppm dry @ 15% O <sub>2</sub>                           | 0.87      | 0.89      | 0.88      | 0.89      | 0.90      | 0.91      | 0.90      | 0.91      | 0.91      | 0.92      | 0.90      |
| CO, lb/hr                                                  | 1.06      | 1.09      | 1.08      | 1.09      | 1.10      | 1.12      | 1.11      | 1.12      | 1.12      | 1.14      | 1.10      |
| CO, lb/day (24 hours)                                      | 25.4      | 26.0      | 25.9      | 26.1      | 26.5      | 26.8      | 26.6      | 26.9      | 26.9      | 27.3      | 26.4      |
| CO, lb/MMBtu                                               | 0.002     | 0.002     | 0.002     | 0.002     | 0.002     | 0.002     | 0.002     | 0.002     | 0.002     | 0.002     | 0.002     |
| NO <sub>x</sub> , ppm volume dry                           | 2.554     | 2.478     | 2.662     | 2.481     | 2.349     | 2.456     | 2.441     | 2.449     | 2.436     | 2.448     | 2.475     |
| NO <sub>x</sub> , ppm dry @ 15% O <sub>2</sub>             | 1.93      | 1.86      | 2.01      | 1.87      | 1.77      | 1.84      | 1.84      | 1.84      | 1.83      | 1.84      | 1.86      |
| NO <sub>x</sub> , lb/hr as NO <sub>2</sub>                 | 3.86      | 3.75      | 4.04      | 3.76      | 3.57      | 3.73      | 3.72      | 3.73      | 3.71      | 3.73      | 3.76      |
| NO <sub>x</sub> , lb/day (24 hours) as NO <sub>2</sub>     | 92.7      | 89.9      | 97.0      | 90.3      | 85.6      | 89.5      | 89.2      | 89.6      | 89.0      | 89.5      | 90.2      |
| NO <sub>x</sub> , lb/MMBtu as NO <sub>2</sub>              | 0.007     | 0.007     | 0.007     | 0.007     | 0.006     | 0.007     | 0.007     | 0.007     | 0.007     | 0.007     | 0.007     |
| SO <sub>2</sub> , gr/100 scf                               | 0.140     | 0.140     | 0.140     | 0.140     | 0.140     | 0.140     | 0.140     | 0.140     | 0.140     | 0.140     | 0.140     |
| SO <sub>2</sub> , ppm volume dry                           | 0.10      | 0.10      | 0.10      | 0.10      | 0.10      | 0.10      | 0.10      | 0.10      | 0.10      | 0.10      | 0.10      |
| SO <sub>2</sub> , ppm dry @ 15% O <sub>2</sub>             | 0.08      | 0.08      | 0.08      | 0.08      | 0.08      | 0.08      | 0.08      | 0.08      | 0.08      | 0.08      | 0.08      |
| SO <sub>2</sub> , lb/hr                                    | 0.21      | 0.21      | 0.21      | 0.22      | 0.22      | 0.22      | 0.22      | 0.22      | 0.22      | 0.22      | 0.22      |
| SO <sub>2</sub> , lb/day (24 hours)                        | 5.1       | 5.2       | 5.2       | 5.2       | 5.2       | 5.2       | 5.2       | 5.2       | 5.2       | 5.2       | 5.2       |
| SO <sub>2</sub> , lb/MMBtu                                 | 0.0004    | 0.0004    | 0.0004    | 0.0004    | 0.0004    | 0.0004    | 0.0004    | 0.0004    | 0.0004    | 0.0004    | 0.0004    |

# GASEOUS EMISSIONS COMPLIANCE

## SV POWER

### TURBINE #1

| Test No.                               | Compliance Run 1 | Compliance Run 2 | Compliance Run 3 | Average        |
|----------------------------------------|------------------|------------------|------------------|----------------|
|                                        | Run 2            | Run 3            | Run 4            |                |
| Date                                   | 07/16/24         | 07/16/24         | 07/16/24         | --             |
| Start Time                             | 0938-1008        | 1027-1057        | 1123-1153        | --             |
| Unit load, MW                          | 72.0             | 72.0             | 72.0             | <b>72.0</b>    |
| Unit fuel flow @ 60 °F, scfh           | 537,310          | 537,570          | 538,260          | <b>537,713</b> |
| Unit Heat Input, MMBtu/hr              | 564.2            | 564.4            | 565.2            | <b>564.6</b>   |
| O2, % volume dry                       | 13.1             | 13.1             | 13.1             | <b>13.1</b>    |
| CO2, % volume dry                      | 4.5              | 4.5              | 4.5              | <b>4.5</b>     |
| Stack flow rate - based on fuel, dscfm | 211,811          | 212,727          | 212,456          | <b>212,332</b> |
| CO, ppm volume dry                     | 1.2              | 1.2              | 1.2              | <b>1.2</b>     |
| CO, ppm dry @ 15% O2                   | 0.9              | 0.9              | 0.9              | <b>0.9</b>     |
| CO, lb/hr                              | 1.1              | 1.1              | 1.1              | <b>1.1</b>     |
| CO, lb/MMBtu                           | 0.0020           | 0.0020           | 0.0020           | <b>0.0020</b>  |
| NOX, ppm volume dry                    | 2.5              | 2.7              | 2.5              | <b>2.5</b>     |
| NOX, ppm dry @ 15% O2                  | 1.9              | 2.0              | 1.9              | <b>1.9</b>     |
| NOX, lb/hr as NO2                      | 3.7              | 4.0              | 3.8              | <b>3.8</b>     |
| NOX, lb/MMBtu as NO2                   | 0.0068           | 0.0073           | 0.0068           | <b>0.0070</b>  |
| SO2, gr/100 scf                        | 0.14             | 0.14             | 0.14             | <b>0.14</b>    |
| SO2, ppm volume dry                    | 0.10             | 0.10             | 0.10             | <b>0.10</b>    |
| SO2, ppm dry @ 15% O2                  | 0.08             | 0.08             | 0.08             | <b>0.08</b>    |
| SO2, lb/hr                             | 0.21             | 0.21             | 0.22             | <b>0.21</b>    |
| SO2, lb/MMBtu                          | 0.0004           | 0.0004           | 0.0004           | <b>0.0004</b>  |

## SOURCE TEST DATA SUMMARY

Client.....SV..Power, DVR Facility  
 Unit / Location..... Unit #1  
 Reference temperature, °F..... 70

|                        |           |           |           |         |
|------------------------|-----------|-----------|-----------|---------|
| Test number.....       | 1-POC-1   | 2-POC-1   | 3-POC-1   | Average |
| Date.....              | 7/16/24   | 7/16/24   | 7/16/24   | --      |
| Start / Stop time..... | 0932-1002 | 1021-1051 | 1117-1147 | --      |

### **FUEL DATA**

|                                                      |       |       |       |       |
|------------------------------------------------------|-------|-------|-------|-------|
| Fuel "F" factor @ 68°F, dscf/MMBtu.....              | 8,615 | 8,615 | 8,615 | 8,615 |
| Fuel "F" factor @ T <sub>ref</sub> , dscf/MMBtu..... | 8,648 | 8,648 | 8,648 | 8,648 |

### **ANALYZER AND LABORATORY DATA**

|                                              |       |       |       |       |
|----------------------------------------------|-------|-------|-------|-------|
| O <sub>2</sub> , % volume dry.....           | 13.06 | 13.09 | 13.07 | 13.1  |
| CO <sub>2</sub> , % volume dry.....          | 4.529 | 4.514 | 4.525 | 4.5   |
| THC emissions as methane, ppm volume wet.... | 3.292 | 3.438 | 2.494 | 3.075 |
| Methane, ppm volume wet from analyzer.....   | 3.291 | 3.439 | 2.493 | 3.074 |
| Laboratory analysis results:                 |       |       |       |       |
| Ethane, ppm volume dry as carbon.....        | <0.5  | <0.5  | <0.5  | <0.5  |

### **VOLUMETRIC FLOW RATE**

|                                                      |         |         |         |         |
|------------------------------------------------------|---------|---------|---------|---------|
| <sup>1c</sup> Moisture fraction, nondimensional..... | 0.1233  | 0.1268  | 0.1210  | 0.1237  |
| Stack flow rate - based on fuel, dscfm.....          | 211,811 | 212,727 | 212,456 | 212,332 |

### **EMISSIONS**

|                                                                     |        |        |        |        |
|---------------------------------------------------------------------|--------|--------|--------|--------|
| THC concentrations, ppm volume dry as methar                        | 3.755  | 3.937  | 2.837  | 3.510  |
| <sup>2a</sup> THC concentrations, ppm volume wet as methar          | 3.292  | 3.438  | 2.494  | 3.075  |
| Methane, ppm volume dry from analyzer.....                          | 3.754  | 3.938  | 2.836  | 3.509  |
| POC conc. (THC-methane) , ppm volume dry....                        | 0.001  | -0.001 | 0.001  | 0.0    |
| <sup>2c</sup> POC concentrations, reporting limit ppm vol. dr       | 2.0    | 2.0    | 2.0    | 2.0    |
| <sup>2b</sup> POC concentrations, ppm @ 15% O <sub>2</sub> dry..... | 1.5    | 1.5    | 1.5    | 1.5    |
| <sup>2e</sup> POC mass emissions, lb/hr as Methane.....             | 1.1    | 1.1    | 1.1    | 1.1    |
| <sup>2f</sup> POC mass emissions, lb/MMBtu as Methane.....          | 0.0019 | 0.0019 | 0.0019 | 0.0019 |

Note(s): Volume flow rates were determined from EPA Method 19 data collected during the RATA tests.

Moisture contents were determined from EPA 4 / BAAQMD ST-1B data collected simultaneously with the EPA 25A and EPA 18 data.

Methane results are from FID analyzer with non-methane cutter.

Results in italics are below the reporting limit and are expressed at the reporting limit.

| SOURCE TEST DATA SUMMARY                                             |           |           |           |         |
|----------------------------------------------------------------------|-----------|-----------|-----------|---------|
| Client.....                                                          | SV Power  |           |           |         |
| Unit / Location.....                                                 | Unit #1   |           |           |         |
| Reference temperature, °F.....                                       | 70        |           |           |         |
| Test number.....                                                     | 4-NH3-MAX | 5-NH3-MAX | 6-NH3-MAX | Average |
| Date.....                                                            | 7/16/24   | 7/16/24   | 7/16/24   | --      |
| Start / Stop time.....                                               | 0938-1008 | 1027-1057 | 1123-1153 | --      |
| <b><u>FUEL DATA</u></b>                                              |           |           |           |         |
| Fuel "F" factor @ 68°F, dscf/MMBtu.....                              | 8,615     | 8,615     | 8,615     | 8,615   |
| Fuel "F" factor @ T <sub>ref</sub> , dscf/MMBtu.....                 | 8,648     | 8,648     | 8,648     | 8,648   |
| Fuel higher heating value (HHV), Btu/scf.....                        | 1,026     | 1,026     | 1,026     | 1,026   |
| Fuel flow, scfh.....                                                 | 537,310   | 537,570   | 538,260   | 537,713 |
| Fuel Heat Input, MMBtu/hr.....                                       | 564.2     | 564.4     | 565.2     | 564.6   |
| Unit Load, MW.....                                                   | 72.0      | 72.0      | 72.0      | 72.0    |
| <b><u>SAMPLE TRAIN DATA</u></b>                                      |           |           |           |         |
| Meter box number/ID.....                                             | CB-22     | CB-22     | CB-22     | --      |
| Meter calibration, Yd.....                                           | 0.992     | 0.992     | 0.992     | 0.992   |
| Barometric pressure, in Hg.....                                      | 30.00     | 30.00     | 30.00     | 30.00   |
| Meter box volume, acf.....                                           | 22.405    | 24.825    | 22.810    | 23.347  |
| Impinger liquid volume, ml.....                                      | 66.0      | 75.9      | 66.1      | 69.3    |
| Meter temperature, °F.....                                           | 74.0      | 71.3      | 71.7      | 72.3    |
| Meter pressure, (Delta H) iwg.....                                   | 1.800     | 1.800     | 1.800     | 1.800   |
| <b><u>ANALYZER DATA</u></b>                                          |           |           |           |         |
| O <sub>2</sub> , % volume dry.....                                   | 13.1      | 13.1      | 13.1      | 13.1    |
| CO <sub>2</sub> , % volume dry.....                                  | 4.5       | 4.5       | 4.5       | 4.5     |
| <b><u>VOLUMETRIC FLOW RATE</u></b>                                   |           |           |           |         |
| 1a Standard sample volume, dscf.....                                 | 22.216    | 24.739    | 22.717    | 23.224  |
| Standard sample volume, dscf @ 70F.....                              | 22.211    | 24.733    | 22.712    | 23.219  |
| 1b Water vapor volume, scf.....                                      | 3.1237    | 3.5922    | 3.1284    | 3.2814  |
| 1c Moisture fraction, nondimensional.....                            | 0.1233    | 0.1268    | 0.1210    | 0.1237  |
| 1d Stack gas molecular weight, dry.....                              | 29.247    | 29.245    | 29.247    | 29.246  |
| 1e Stack gas molecular weight, wet.....                              | 27.861    | 27.819    | 27.885    | 27.855  |
| 1f Absolute stack pressure, in Hg.....                               | 30.000    | 30.000    | 30.000    | 30.000  |
| Stack flow rate - based on fuel, dscfm.....                          | 211,811   | 212,727   | 212,456   | 212,332 |
| <b><u>NH<sub>3</sub> ION SELECTIVE ELECTRODE</u></b>                 |           |           |           |         |
| Audit sample concentration (measured), ppm....                       | 9.72      | 9.72      | 9.72      | 9.72    |
| Audit sample concentration (actual), ppm.....                        | 10.00     | 10.00     | 10.00     | 10.00   |
| Audit sample, % recovery.....                                        | 97.2      | 97.2      | 97.2      | 97.2    |
| Sample volume - fraction 1 - (total), ml.....                        | 184.8     | 203.8     | 194.4     | 194.3   |
| Sample concentration - fraction 1 - (measured), ]                    | 7.23      | 7.95      | 8.07      | 7.75    |
| Sample volume - fraction 2 - (total), ml.....                        | 141.4     | 139.6     | 136.9     | 139.3   |
| Sample concentration - fraction 2 - (measured), ]                    | <0.5      | <0.5      | <0.5      | <0.5    |
| Mass of ammonia, mg.....                                             | 1.34      | 1.62      | 1.57      | 1.51    |
| <b><u>EMISSIONS</u></b>                                              |           |           |           |         |
| NH <sub>3</sub> concentrations, ppm volume dry.....                  | 3.0       | 3.3       | 3.5       | 3.3     |
| 2b NH <sub>3</sub> concentrations, ppm @ 15% O <sub>2</sub> dry..... | 2.3       | 2.5       | 2.6       | 2.5     |
| 2c NH <sub>3</sub> mass emissions, lb/hr.....                        | 1.7       | 1.8       | 1.9       | 1.8     |
| 2f NH <sub>3</sub> mass emissions, lb/MMBtu.....                     | 0.0031    | 0.0034    | 0.0035    | 0.0033  |

Note(s):

| SOURCE TEST DATA SUMMARY                                             |              |              |              |         |
|----------------------------------------------------------------------|--------------|--------------|--------------|---------|
| Client.....                                                          | SV Power     |              |              |         |
| Unit / Location.....                                                 | Unit #1      |              |              |         |
| Reference temperature, °F.....                                       | 70           |              |              |         |
| Test number.....                                                     | 1-NH3-1-BASE | 2-NH3-1-BASE | 3-NH3-1-BASE | Average |
| Date.....                                                            | 7/15/24      | 7/15/24      | 7/15/24      | --      |
| Start / Stop time.....                                               | 1225-1255    | 1305-1335    | 1342-1412    | --      |
| <b><u>FUEL DATA</u></b>                                              |              |              |              |         |
| Fuel "F" factor @ 68°F, dscf/MMBtu.....                              | 8,616        | 8,616        | 8,616        | 8,616   |
| Fuel "F" factor @ T <sub>ref</sub> , dscf/MMBtu.....                 | 8,649        | 8,649        | 8,649        | 8,649   |
| Fuel higher heating value (HHV), Btu/scf.....                        | 1,032        | 1,032        | 1,032        | 1,032   |
| Fuel flow, scfh.....                                                 | 451,430      | 450,990      | 450,750      | 451,057 |
| Fuel Heat Input, MMBtu/hr.....                                       | 474.0        | 473.5        | 473.3        | 473.6   |
| Unit Load, MW.....                                                   | 63.0         | 63.0         | 63.0         | 63.0    |
| <b><u>SAMPLE TRAIN DATA</u></b>                                      |              |              |              |         |
| Meter box number/ID.....                                             | CB-22        | CB-22        | CB-22        | --      |
| Meter calibration, Yd.....                                           | 0.992        | 0.992        | 0.992        | 0.992   |
| Barometric pressure, in Hg.....                                      | 30.03        | 30.03        | 30.03        | 30.03   |
| Meter box volume, acf.....                                           | 22.977       | 23.254       | 22.660       | 22.964  |
| Impinger liquid volume, ml.....                                      | 68.8         | 60.1         | 62.4         | 63.8    |
| Meter temperature, °F.....                                           | 70.3         | 73.3         | 75.7         | 73.1    |
| Meter pressure, (Delta H) iwg.....                                   | 1.800        | 1.800        | 1.800        | 1.800   |
| <b><u>ANALYZER DATA</u></b>                                          |              |              |              |         |
| O <sub>2</sub> , % volume dry.....                                   | 14.4         | 14.4         | 14.4         | 14.4    |
| CO <sub>2</sub> , % volume dry.....                                  | 3.8          | 3.8          | 3.8          | 3.8     |
| <b><u>VOLUMETRIC FLOW RATE</u></b>                                   |              |              |              |         |
| 1a Standard sample volume, dscf.....                                 | 22.963       | 23.109       | 22.421       | 22.831  |
| Standard sample volume, dscf @ 70F.....                              | 22.958       | 23.104       | 22.416       | 22.826  |
| 1b Water vapor volume, scf.....                                      | 3.2562       | 2.8444       | 2.9533       | 3.0180  |
| 1c Moisture fraction, nondimensional.....                            | 0.1242       | 0.1096       | 0.1164       | 0.1167  |
| 1d Stack gas molecular weight, dry.....                              | 29.181       | 29.181       | 29.182       | 29.182  |
| 1e Stack gas molecular weight, wet.....                              | 27.793       | 27.956       | 27.881       | 27.876  |
| 1f Absolute stack pressure, in Hg.....                               | 30.030       | 30.030       | 30.030       | 30.030  |
| Stack flow rate - based on fuel, dscfm.....                          | 215,592      | 215,381      | 215,267      | 215,413 |
| <b><u>NH<sub>3</sub> ION SELECTIVE ELECTRODE</u></b>                 |              |              |              |         |
| Audit sample concentration (measured), ppm....                       | 9.72         | 9.72         | 9.72         | 9.72    |
| Audit sample concentration (actual), ppm.....                        | 10.00        | 10.00        | 10.00        | 10.00   |
| Audit sample, % recovery.....                                        | 97.2         | 97.2         | 97.2         | 97.2    |
| Sample volume - fraction 1 - (total), ml.....                        | 208.8        | 165.2        | 176.8        | 183.6   |
| Sample concentration - fraction 1 - (measured), ]                    | 9.34         | 14.3         | 12.1         | 11.9    |
| Sample volume - fraction 2 - (total), ml.....                        | 125.3        | 126.9        | 132.4        | 128.2   |
| Sample concentration - fraction 2 - (measured), ]                    | <0.5         | <0.5         | <0.5         | <0.5    |
| Mass of ammonia, mg.....                                             | 1.95         | 2.36         | 2.14         | 2.15    |
| <b><u>EMISSIONS</u></b>                                              |              |              |              |         |
| NH <sub>3</sub> concentrations, ppm volume dry.....                  | 4.3          | 5.1          | 4.8          | 4.7     |
| 2b NH <sub>3</sub> concentrations, ppm @ 15% O <sub>2</sub> dry..... | 3.9          | 4.7          | 4.3          | 4.3     |
| 2c NH <sub>3</sub> mass emissions, lb/hr.....                        | 2.4          | 2.9          | 2.7          | 2.7     |
| 2f NH <sub>3</sub> mass emissions, lb/MMBtu.....                     | 0.0052       | 0.0063       | 0.0059       | 0.0058  |

Note(s):

### Ammonia Slip Calculation, Unit 1

Calculations used by SV Power

Typical values input to test the calculations

8/9/2024  
Dan Duncan  
MAQS

| INPUTS       |                      | Min load | Base load | Max load |
|--------------|----------------------|----------|-----------|----------|
| Variable     | Units                | 33 MW    | 63 MW     | 74 MW    |
| GASEFLOW     | Hscf/hr              | 2636.1   | 4510.6    | 5377.1   |
| GASGCV       | Btu/scf              | 1015.0   | 1015.0    | 1015.0   |
| FUEL FACT    | dscf/MMBtu @0%O2     | 8710.0   | 8710.0    | 8710.0   |
| NH3FLOW      | lb/hr                | 69.7     | 114.4     | 126.0    |
| NH3 fraction | lb NH3 / lb solution | 0.19     | 0.19      | 0.19     |
| SCRNOX       | ppm vol dry          | 22.3     | 28.0      | 28.4     |
| STKNOX       | ppm vol dry          | 1.6      | 2.0       | 2.4      |
| STK02        | % volume dry         | 15.7     | 14.3      | 13.0     |

### CALCULATED VALUES

| Value                          | Units          | Min load  | Base load  | Max load   |
|--------------------------------|----------------|-----------|------------|------------|
| UNITHEAT                       | MMBtu/hr       | 267.6     | 457.8      | 545.8      |
| FLOWSCFH                       | dscf/hr        | 9,366,752 | 12,627,508 | 12,576,338 |
| TEGASFLW                       | lbmoles/hr     | 24,295    | 32,753     | 32,620     |
| NH3MOLE                        | lbmoles/hr     | 0.7794    | 1.2782     | 1.4082     |
| Reacted NOX                    | lbmoles/hr     | 0.5037    | 0.8527     | 0.8481     |
| CORRFACT                       | unitless       | 0.91      | 0.66       | 0.35       |
| NH3 slip                       | ppmvd @ 15% O2 | 11.66     | 7.64       | 4.45       |
| Using correction factor of 1.0 |                |           |            |            |
| Measured NH3 slip @ 15% O2     |                | 3.2       | 4.3        | 2.5        |

New correction factor

| Min load  | Base load  | Max load   |
|-----------|------------|------------|
| 33 MW     | 63 MW      | 74 MW      |
| 2636.1    | 4510.6     | 5377.1     |
| 1015.0    | 1015.0     | 1015.0     |
| 8710.0    | 8710.0     | 8710.0     |
| 69.7      | 114.4      | 126.0      |
| 0.19      | 0.19       | 0.19       |
| 22.3      | 28.0       | 28.4       |
| 1.6       | 2.0        | 2.4        |
| 15.7      | 14.3       | 13.0       |
| 267.6     | 457.8      | 545.8      |
| 9,366,752 | 12,627,508 | 12,576,338 |
| 24,295    | 32,753     | 32,620     |
| 0.7794    | 1.2782     | 1.4082     |
| 0.5037    | 0.8527     | 0.8481     |
| 1.00      | 1.00       | 1.00       |
| 12.87     | 11.61      | 12.82      |
| 3.2       | 4.3        | 2.5        |
| 0.249     | 0.370      | 0.195      |

## SOURCE TEST DATA SUMMARY

|                                                                      |              |              |              |         |
|----------------------------------------------------------------------|--------------|--------------|--------------|---------|
| Client.....                                                          | SV Power     |              |              |         |
| Unit / Location.....                                                 | Unit #2      |              |              |         |
| Reference temperature, °F.....                                       | 70           |              |              |         |
| Test number.....                                                     | 1-NH3-2-Base | 2-NH3-2-Base | 3-NH3-2-Base | Average |
| Date.....                                                            | 7/17/24      | 7/17/24      | 7/17/24      | --      |
| Start / Stop time.....                                               | 1020-1050    | 1056-1126    | 1132-1202    | --      |
| <b><u>FUEL DATA</u></b>                                              |              |              |              |         |
| Fuel "F" factor @ 68°F, dscf/MMBtu.....                              | 8,615        | 8,615        | 8,615        | 8,615   |
| Fuel "F" factor @ T <sub>ref</sub> , dscf/MMBtu.....                 | 8,648        | 8,648        | 8,648        | 8,648   |
| Fuel higher heating value (HHV), Btu/scf.....                        | 1,028        | 1,028        | 1,028        | 1,028   |
| Fuel flow, scfh.....                                                 | 446,640      | 446,350      | 446,360      | 446,450 |
| Fuel Heat Input, MMBtu/hr.....                                       | 469.0        | 468.7        | 468.7        | 468.8   |
| Unit Load, MW.....                                                   | 61.0         | 61.0         | 61.0         | 61.0    |
| <b><u>SAMPLE TRAIN DATA</u></b>                                      |              |              |              |         |
| Meter box number/ID.....                                             | CB-22        | CB-22        | CB-22        | --      |
| Meter calibration, Yd.....                                           | 0.992        | 0.992        | 0.992        | 0.992   |
| Barometric pressure, in Hg.....                                      | 30.06        | 30.06        | 30.06        | 30.06   |
| Meter box volume, acf.....                                           | 22.210       | 22.900       | 22.355       | 22.488  |
| Impinger liquid volume, ml.....                                      | 63.8         | 60.2         | 57.4         | 60.5    |
| Meter temperature, °F.....                                           | 68.0         | 68.3         | 68.0         | 68.1    |
| Meter pressure, (Delta H) iwg.....                                   | 1.80         | 1.80         | 1.80         | 1.800   |
| <b><u>ANALYZER DATA</u></b>                                          |              |              |              |         |
| O <sub>2</sub> , % volume dry.....                                   | 14.35        | 14.34        | 14.34        | 14.3    |
| CO <sub>2</sub> , % volume dry.....                                  | 3.809        | 3.815        | 3.806        | 3.8     |
| <b><u>VOLUMETRIC FLOW RATE</u></b>                                   |              |              |              |         |
| 1a Standard sample volume, dscf.....                                 | 22.317       | 22.996       | 22.463       | 22.592  |
| Standard sample volume, dscf @ 70F.....                              | 22.312       | 22.991       | 22.458       | 22.587  |
| 1b Water vapor volume, scf.....                                      | 3.0196       | 2.8492       | 2.7167       | 2.8618  |
| 1c Moisture fraction, nondimensional.....                            | 0.1192       | 0.1102       | 0.1079       | 0.1124  |
| 1d Stack gas molecular weight, dry.....                              | 29.183       | 29.184       | 29.183       | 29.183  |
| 1e Stack gas molecular weight, wet.....                              | 27.851       | 27.951       | 27.976       | 27.926  |
| 1f Absolute stack pressure, in Hg.....                               | 30.060       | 30.060       | 30.060       | 30.060  |
| Stack flow rate - based on fuel, dscfm.....                          | 211,155      | 210,696      | 210,701      | 210,851 |
| <b><u>NH<sub>3</sub> ION SELECTIVE ELECTRODE</u></b>                 |              |              |              |         |
| Audit sample concentration (measured), ppm....                       | 9.72         | 9.72         | 9.72         | 9.72    |
| Audit sample concentration (actual), ppm.....                        | 10.00        | 10.00        | 10.00        | 10.00   |
| Audit sample, % recovery.....                                        | 97.2         | 97.2         | 97.2         | 97.2    |
| Sample volume - fraction 1 - (total), ml.....                        | 198.5        | 191.6        | 196.8        | 195.6   |
| Sample concentration - fraction 1 - (measured), ]                    | 8.46         | 8.9          | 9.2          | 8.9     |
| Sample volume - fraction 2 - (total), ml.....                        | 142.0        | 137.5        | 138.7        | 139.4   |
| Sample concentration - fraction 2 - (measured), ]                    | <0.5         | <0.5         | <0.5         | <0.5    |
| Mass of ammonia, mg.....                                             | 1.68         | 1.71         | 1.81         | 1.73    |
| <b><u>EMISSIONS</u></b>                                              |              |              |              |         |
| NH <sub>3</sub> concentrations, ppm volume dry.....                  | 3.8          | 3.7          | 4.0          | 3.8     |
| 2b NH <sub>3</sub> concentrations, ppm @ 15% O <sub>2</sub> dry..... | 3.4          | 3.3          | 3.6          | 3.5     |
| 2c NH <sub>3</sub> mass emissions, lb/hr.....                        | 2.1          | 2.1          | 2.3          | 2.1     |
| 2f NH <sub>3</sub> mass emissions, lb/MMBtu.....                     | 0.0046       | 0.0045       | 0.0049       | 0.0047  |

Note(s):

# RELATIVE ACCURACY TEST AUDIT DETERMINATION

## SV POWER

### UNIT #2

| Test No.                                                   | Run 1     | Run 2     | Run 3     | Run 4     | Run 5     | Run 6     | Run 7     | Run 8     | Run 9     | Run 10    | Average   |
|------------------------------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Date                                                       | 7/18/24   | 7/18/24   | 7/18/24   | 7/18/24   | 7/18/24   | 7/18/24   | 7/18/24   | 7/18/24   | 7/18/24   | 7/18/24   | Runs 1-10 |
| Start Time                                                 | 0825-0906 | 0939-1009 | 1035-1105 | 1114-1144 | 1153-1214 | 1221-1242 | 1253-1314 | 1321-1342 | 1350-1411 | 1419-1440 | --        |
| Reference temperature, °F                                  | 70        | 70        | 70        | 70        | 70        | 70        | 70        | 70        | 70        | 70        | 70        |
| Unit load, MW                                              | 71        | 71        | 71        | 71        | 71        | 71        | 71        | 71        | 71        | 71        | 71        |
| Unit fuel flow @ 60 °F, scfh                               | 533,230   | 533,910   | 534,440   | 534,660   | 534,360   | 534,880   | 536,280   | 536,880   | 537,380   | 537,820   | 535,384   |
| Unit Heat Input, MMBtu/hr                                  | 559.9     | 560.6     | 561.2     | 561.4     | 561.1     | 561.6     | 563.1     | 563.7     | 564.2     | 564.7     | 562.2     |
| "F <sub>d</sub> " factor @ 68 °F, dscf/MMBtu               | 8,614     | 8,614     | 8,614     | 8,614     | 8,614     | 8,614     | 8,614     | 8,614     | 8,614     | 8,614     | 8,614     |
| "F <sub>d</sub> " factor @ T <sub>ref</sub> °F, dscf/MMBtu | 8,647     | 8,647     | 8,647     | 8,647     | 8,647     | 8,647     | 8,647     | 8,647     | 8,647     | 8,647     | 8,647     |
| HHV @ 60 °F, btu/scf                                       | 1,030     | 1,030     | 1,030     | 1,030     | 1,030     | 1,030     | 1,030     | 1,030     | 1,030     | 1,030     | 1,030     |
| Stack flow rate - based on fuel, dscfm                     | 205,238   | 204,738   | 207,247   | 207,332   | 207,475   | 206,900   | 207,442   | 206,132   | 206,069   | 206,493   | 206,507   |
| Stack flow rate - based on fuel, dscfm                     | 205,238   | 204,738   | 207,247   | 207,332   | 207,475   | 206,900   | 207,442   | 206,132   | 206,069   | 206,493   | 206,507   |
| O <sub>2</sub> , % volume dry                              | 12.84     | 12.81     | 12.90     | 12.90     | 12.91     | 12.88     | 12.88     | 12.82     | 12.81     | 12.82     | 12.86     |
| CO <sub>2</sub> , % volume dry                             | 4.523     | 4.540     | 4.652     | 4.642     | 4.637     | 4.654     | 4.679     | 4.675     | 4.675     | 4.664     | 4.63      |
| CO, ppm volume dry                                         | 1.442     | 1.224     | 1.174     | 1.182     | 1.168     | 1.163     | 1.223     | 1.228     | 1.211     | 1.228     | 1.224     |
| CO, ppm dry @ 15% O <sub>2</sub>                           | 1.06      | 0.89      | 0.87      | 0.87      | 0.86      | 0.86      | 0.90      | 0.90      | 0.88      | 0.90      | 0.90      |
| CO, lb/hr                                                  | 1.29      | 1.09      | 1.06      | 1.06      | 1.05      | 1.05      | 1.10      | 1.10      | 1.08      | 1.10      | 1.10      |
| CO, lb/day (24 hours)                                      | 30.9      | 26.1      | 25.4      | 25.6      | 25.3      | 25.1      | 26.5      | 26.4      | 26.0      | 26.4      | 26.4      |
| CO, lb/MMBtu                                               | 0.002     | 0.002     | 0.002     | 0.002     | 0.002     | 0.002     | 0.002     | 0.002     | 0.002     | 0.002     | 0.002     |
| NO <sub>x</sub> , ppm volume dry                           | 2.266     | 2.396     | 2.512     | 2.495     | 2.510     | 2.536     | 2.523     | 2.505     | 2.498     | 2.515     | 2.476     |
| NO <sub>x</sub> , ppm dry @ 15% O <sub>2</sub>             | 1.66      | 1.75      | 1.85      | 1.84      | 1.85      | 1.87      | 1.86      | 1.83      | 1.82      | 1.84      | 1.82      |
| NO <sub>x</sub> , lb/hr as NO <sub>2</sub>                 | 3.32      | 3.50      | 3.72      | 3.69      | 3.72      | 3.74      | 3.74      | 3.69      | 3.67      | 3.71      | 3.65      |
| NO <sub>x</sub> , lb/day (24 hours) as NO <sub>2</sub>     | 79.7      | 84.0      | 89.2      | 88.6      | 89.2      | 89.9      | 89.6      | 88.4      | 88.2      | 89.0      | 87.6      |
| NO <sub>x</sub> , lb/MMBtu as NO <sub>2</sub>              | 0.006     | 0.006     | 0.007     | 0.007     | 0.007     | 0.007     | 0.007     | 0.007     | 0.007     | 0.007     | 0.007     |
| SO <sub>2</sub> , gr/100 scf                               | 0.193     | 0.193     | 0.193     | 0.193     | 0.193     | 0.193     | 0.193     | 0.193     | 0.193     | 0.193     | 0.193     |
| SO <sub>2</sub> , ppm volume dry                           | 0.14      | 0.14      | 0.14      | 0.14      | 0.14      | 0.14      | 0.14      | 0.14      | 0.14      | 0.14      | 0.14      |
| SO <sub>2</sub> , ppm dry @ 15% O <sub>2</sub>             | 0.11      | 0.11      | 0.11      | 0.11      | 0.11      | 0.11      | 0.11      | 0.11      | 0.11      | 0.11      | 0.11      |
| SO <sub>2</sub> , lb/hr                                    | 0.29      | 0.29      | 0.29      | 0.29      | 0.29      | 0.29      | 0.30      | 0.30      | 0.30      | 0.30      | 0.29      |
| SO <sub>2</sub> , lb/MMBtu                                 | 0.0005    | 0.0005    | 0.0005    | 0.0005    | 0.0005    | 0.0005    | 0.0005    | 0.0005    | 0.0005    | 0.0005    | 0.0005    |

**GASEOUS EMISSIONS COMPLIANCE**  
**SV POWER**  
**UNIT #2**

| Test No.                               | Compliance Run 1 | Compliance Run 2 | Compliance Run 3 | Average        |
|----------------------------------------|------------------|------------------|------------------|----------------|
|                                        | Run 2            | Run 3            | Run 4            |                |
| Date                                   | 07/18/24         | 07/18/24         | 07/18/24         | --             |
| Start Time                             | 0939-1009        | 1035-1105        | 1114-1144        | --             |
| Unit load, MW                          | 71.0             | 71.0             | 71.0             | <b>71.0</b>    |
| Unit fuel flow @ 60 °F, scfh           | 533,910          | 534,440          | 534,660          | <b>534,337</b> |
| Unit Heat Input, MMBtu/hr              | 560.6            | 561.2            | 561.4            | <b>561.1</b>   |
| O2, % volume dry                       | 12.8             | 12.9             | 12.9             | <b>12.9</b>    |
| CO2, % volume dry                      | 4.5              | 4.7              | 4.6              | <b>4.6</b>     |
| Stack flow rate - based on fuel, dscfm | 204,738          | 207,247          | 207,332          | <b>206,439</b> |
| CO, ppm volume dry                     | 1.2              | 1.2              | 1.2              | <b>1.2</b>     |
| CO, ppm dry @ 15% O2                   | 0.9              | 0.9              | 0.9              | <b>0.9</b>     |
| CO, lb/hr                              | 1.1              | 1.1              | 1.1              | <b>1.1</b>     |
| CO, lb/MMBtu                           | 0.0020           | 0.0019           | 0.0019           | <b>0.0019</b>  |
| NOX, ppm volume dry                    | 2.4              | 2.5              | 2.5              | <b>2.5</b>     |
| NOX, ppm dry @ 15% O2                  | 1.7              | 1.9              | 1.8              | <b>1.8</b>     |
| NOX, lb/hr as NO2                      | 3.5              | 3.7              | 3.7              | <b>3.6</b>     |
| NOX, lb/MMBtu as NO2                   | 0.0064           | 0.0067           | 0.0067           | <b>0.0066</b>  |
| SO2, gr/100 scf                        | 0.19             | 0.19             | 0.19             | <b>0.19</b>    |
| SO2, ppm volume dry                    | 0.14             | 0.14             | 0.14             | <b>0.14</b>    |
| SO2, ppm dry @ 15% O2                  | 0.11             | 0.11             | 0.11             | <b>0.11</b>    |
| SO2, lb/hr                             | 0.29             | 0.29             | 0.29             | <b>0.29</b>    |
| SO2, lb/MMBtu                          | 0.0005           | 0.0005           | 0.0005           | <b>0.0005</b>  |

## SOURCE TEST DATA SUMMARY

Client.....SV..Power, DVR Facility  
 Unit / Location..... Unit #2  
 Reference temperature, °F..... 70

|                        |           |           |           |         |
|------------------------|-----------|-----------|-----------|---------|
| Test number.....       | 1-POC-2   | 2-POC-2   | 3-POC-2   | Average |
| Date.....              | 7/18/24   | 7/18/24   | 7/18/24   | --      |
| Start / Stop time..... | 0939-1009 | 1035-1105 | 1114-1144 | --      |

### **FUEL DATA**

|                                                      |       |       |       |       |
|------------------------------------------------------|-------|-------|-------|-------|
| Fuel "F" factor @ 68°F, dscf/MMBtu.....              | 8,614 | 8,614 | 8,614 | 8,614 |
| Fuel "F" factor @ T <sub>ref</sub> , dscf/MMBtu..... | 8,647 | 8,647 | 8,647 | 8,647 |

### **ANALYZER AND LABORATORY DATA**

|                                               |       |       |       |      |
|-----------------------------------------------|-------|-------|-------|------|
| O <sub>2</sub> , % volume dry.....            | 12.81 | 12.90 | 12.90 | 12.9 |
| CO <sub>2</sub> , % volume dry.....           | 4.540 | 4.652 | 4.642 | 4.6  |
| THC emissions as methane, ppm volume wet..... | 18.62 | 16.05 | 16.12 | 16.9 |
| Methane, ppm volume wet from analyzer.....    | 18.61 | 16.03 | 16.13 | 16.9 |
| Laboratory analysis results:                  |       |       |       |      |
| Ethane, ppm volume dry as carbon.....         | <0.5  | <0.5  | <0.5  | <0.5 |

### **VOLUMETRIC FLOW RATE**

|                                                      |         |         |         |         |
|------------------------------------------------------|---------|---------|---------|---------|
| <sup>1c</sup> Moisture fraction, nondimensional..... | 0.1245  | 0.1089  | 0.1281  | 0.1205  |
| Stack flow rate - based on fuel, dscfm.....          | 204,738 | 207,247 | 207,332 | 206,439 |

### **EMISSIONS**

|                                                                     |        |        |        |        |
|---------------------------------------------------------------------|--------|--------|--------|--------|
| THC concentrations, ppm volume dry as methar                        | 21.269 | 18.012 | 18.488 | 19.256 |
| <sup>2a</sup> THC concentrations, ppm volume wet as methar          | 18.620 | 16.050 | 16.120 | 16.930 |
| Methane, ppm volume dry from analyzer.....                          | 21.257 | 17.990 | 18.499 | 19.249 |
| POC conc. (THC-methane) , ppm volume dry....                        | 0.011  | 0.022  | -0.011 | 0.0    |
| POC concentrations, reporting limit ppm vol. dr                     | 2.0    | 2.0    | 2.0    | 2.0    |
| <sup>2b</sup> POC concentrations, ppm @ 15% O <sub>2</sub> dry..... | 1.5    | 1.5    | 1.5    | 1.5    |
| <sup>2c</sup> POC mass emissions, lb/hr as Methane.....             | 1.0    | 1.0    | 1.0    | 1.0    |
| <sup>2f</sup> POC mass emissions, lb/MMBtu as Methane.....          | 0.0019 | 0.0019 | 0.0019 | 0.0019 |

Note(s): Volume flow rates were determined from EPA Method 19 data collected during the RATA tests.

Moisture contents were determined from BAAQMD ST-1B data collected simultaneously with the EPA 25A and EPA 18 data.

Methane results are from FID analyzer with non-methane cutter.

Results in italics are below the reporting limit and are expressed at the reporting limit.

| SOURCE TEST DATA SUMMARY                                             |             |             |             |         |
|----------------------------------------------------------------------|-------------|-------------|-------------|---------|
| Client.....                                                          | SV Power    |             |             |         |
| Unit / Location.....                                                 | Unit #2     |             |             |         |
| Reference temperature, °F.....                                       | 70          |             |             |         |
| Test number.....                                                     | 1-NH3-2-MAX | 2-NH3-2-MAX | 3-NH3-2-MAX | Average |
| Date.....                                                            | 7/18/24     | 7/18/24     | 7/18/24     | --      |
| Start / Stop time.....                                               | 0939-1009   | 1035-1105   | 1114-1144   | --      |
| <b><u>FUEL DATA</u></b>                                              |             |             |             |         |
| Fuel "F" factor @ 68°F, dscf/MMBtu.....                              | 8,614       | 8,614       | 8,614       | 8,614   |
| Fuel "F" factor @ T <sub>ref</sub> , dscf/MMBtu.....                 | 8,647       | 8,647       | 8,647       | 8,647   |
| Fuel higher heating value (HHV), Btu/scf.....                        | 1,030       | 1,030       | 1,030       | 1,030   |
| Fuel flow, scfh.....                                                 | 533,910     | 534,440     | 534,660     | 534,337 |
| Fuel Heat Input, MMBtu/hr.....                                       | 560.6       | 561.2       | 561.4       | 561.1   |
| Unit Load, MW.....                                                   | 71.0        | 71.0        | 71.0        | 71.0    |
| <b><u>SAMPLE TRAIN DATA</u></b>                                      |             |             |             |         |
| Meter box number/ID.....                                             | CB-22       | CB-22       | CB-22       | --      |
| Meter calibration, Yd.....                                           | 0.992       | 0.992       | 0.992       | 0.992   |
| Barometric pressure, in Hg.....                                      | 29.99       | 29.99       | 29.99       | 29.99   |
| Meter box volume, acf.....                                           | 22.860      | 23.670      | 22.175      | 22.902  |
| Impinger liquid volume, ml.....                                      | 68.1        | 60.5        | 67.8        | 65.5    |
| Meter temperature, °F.....                                           | 74.0        | 75.0        | 77.3        | 75.4    |
| Meter pressure, (Delta H) iwg.....                                   | 1.80        | 1.80        | 1.80        | 1.800   |
| <b><u>ANALYZER DATA</u></b>                                          |             |             |             |         |
| O <sub>2</sub> , % volume dry.....                                   | 12.8        | 12.9        | 12.9        | 12.9    |
| CO <sub>2</sub> , % volume dry.....                                  | 4.5         | 4.7         | 4.6         | 4.6     |
| <b><u>VOLUMETRIC FLOW RATE</u></b>                                   |             |             |             |         |
| 1a Standard sample volume, dscf.....                                 | 22.659      | 23.419      | 21.844      | 22.641  |
| Standard sample volume, dscf @ 70F.....                              | 22.654      | 23.413      | 21.839      | 22.636  |
| 1b Water vapor volume, scf.....                                      | 3.2231      | 2.8634      | 3.2089      | 3.0984  |
| 1c Moisture fraction, nondimensional.....                            | 0.1245      | 0.1089      | 0.1281      | 0.1205  |
| 1d Stack gas molecular weight, dry.....                              | 29.232      | 29.268      | 29.252      | 29.251  |
| 1e Stack gas molecular weight, wet.....                              | 27.834      | 28.040      | 27.811      | 27.895  |
| 1f Absolute stack pressure, in Hg.....                               | 29.990      | 29.990      | 29.990      | 29.990  |
| Stack flow rate - based on fuel, dscfm.....                          | 204,738     | 207,247     | 207,332     | 206,439 |
| <b><u>NH<sub>3</sub> ION SELECTIVE ELECTRODE</u></b>                 |             |             |             |         |
| Audit sample concentration (measured), ppm....                       | 9.72        | 9.72        | 9.72        | 9.72    |
| Audit sample concentration (actual), ppm.....                        | 10.00       | 10.00       | 10.00       | 10.00   |
| Audit sample, % recovery.....                                        | 97.2        | 97.2        | 97.2        | 97.2    |
| Sample volume - fraction 1 - (total), ml.....                        | 204.3       | 184.1       | 172.7       | 187.0   |
| Sample concentration - fraction 1 - (measured), ]                    | 7.65        | 7.88        | 9.65        | 8.39    |
| Sample volume - fraction 2 - (total), ml.....                        | 145.9       | 129.5       | 128.3       | 134.6   |
| Sample concentration - fraction 2 - (measured), ]                    | <0.5        | <0.5        | <0.5        | <0.5    |
| Mass of ammonia, mg.....                                             | 1.56        | 1.45        | 1.67        | 1.56    |
| <b><u>EMISSIONS</u></b>                                              |             |             |             |         |
| NH <sub>3</sub> concentrations, ppm volume dry.....                  | 3.5         | 3.1         | 3.8         | 3.5     |
| 2b NH <sub>3</sub> concentrations, ppm @ 15% O <sub>2</sub> dry..... | 2.5         | 2.3         | 2.8         | 2.5     |
| 2c NH <sub>3</sub> mass emissions, lb/hr.....                        | 1.9         | 1.7         | 2.1         | 1.9     |
| 2f NH <sub>3</sub> mass emissions, lb/MMBtu.....                     | 0.0034      | 0.0031      | 0.0038      | 0.0034  |

Note(s):

## SOURCE TEST DATA SUMMARY

|                                                                                 |             |             |             |         |
|---------------------------------------------------------------------------------|-------------|-------------|-------------|---------|
| Client.....                                                                     | SV Power    |             |             |         |
| Unit / Location.....                                                            | Unit #2     |             |             |         |
| Reference temperature, °F.....                                                  | 70          |             |             |         |
| Test number.....                                                                | 7-NH3-2-MIN | 8-NH3-2-MIN | 9-NH3-2-MIN | Average |
| Date.....                                                                       | 7/19/23     | 7/19/23     | 7/19/23     | --      |
| Start / Stop time.....                                                          | 0722-0752   | 0846-0916   | 0924-0954   | --      |
| <b><u>FUEL DATA</u></b>                                                         |             |             |             |         |
| Fuel "F" factor @ 68°F, dscf/MMBtu.....                                         | 8,615       | 8,615       | 8,615       | 8,615   |
| Fuel "F" factor @ T <sub>ref</sub> , dscf/MMBtu.....                            | 8,648       | 8,648       | 8,648       | 8,648   |
| Fuel higher heating value (HHV), Btu/scf.....                                   | 1,029       | 1,029       | 1,029       | 1,029   |
| Fuel flow, scfh.....                                                            | 268,790     | 266,640     | 266,470     | 267,300 |
| Fuel Heat Input, MMBtu/hr.....                                                  | 282.2       | 280.0       | 279.8       | 280.7   |
| Unit Load, MW.....                                                              | 33          | 33          | 33          | 33      |
| <b><u>SAMPLE TRAIN DATA</u></b>                                                 |             |             |             |         |
| Meter box number/ID.....                                                        | CB-18       | CB-18       | CB-18       | --      |
| Meter calibration, Yd.....                                                      | 0.990       | 0.990       | 0.990       | 0.990   |
| Barometric pressure, in Hg.....                                                 | 30.01       | 30.01       | 30.01       | 30.01   |
| Meter box volume, acf.....                                                      | 22.355      | 23.280      | 23.880      | 23.172  |
| Impinger liquid volume, ml.....                                                 | 49.8        | 44.1        | 41.7        | 45.2    |
| Meter temperature, °F.....                                                      | 87.7        | 100.0       | 99.3        | 95.7    |
| Meter pressure, (Delta H) iwg.....                                              | 1.80        | 1.80        | 1.80        | 1.800   |
| <b><u>ANALYZER DATA</u></b>                                                     |             |             |             |         |
| O <sub>2</sub> , % volume dry.....                                              | 15.58       | 15.66       | 15.65       | 15.6    |
| CO <sub>2</sub> , % volume dry.....                                             | 3.058       | 3.095       | 3.078       | 3.1     |
| CO emissions, ppm volume dry.....                                               | 0.806       | 0.576       | 0.574       | 0.652   |
| <b><u>VOLUMETRIC FLOW RATE</u></b>                                              |             |             |             |         |
| <sup>1a</sup> Standard sample volume, dscf.....                                 | 21.577      | 21.975      | 22.568      | 22.040  |
| Standard sample volume, dscf @ 70F.....                                         | 21.572      | 21.970      | 22.563      | 22.035  |
| <sup>1b</sup> Water vapor volume, scf.....                                      | 2.3570      | 2.0872      | 1.9736      | 2.1393  |
| <sup>1c</sup> Moisture fraction, nondimensional.....                            | 0.0985      | 0.0867      | 0.0804      | 0.0885  |
| <sup>1d</sup> Stack gas molecular weight, dry.....                              | 29.112      | 29.122      | 29.118      | 29.118  |
| <sup>1e</sup> Stack gas molecular weight, wet.....                              | 28.018      | 28.157      | 28.224      | 28.133  |
| <sup>1f</sup> Absolute stack pressure, in Hg.....                               | 30.010      | 30.010      | 30.010      | 30.010  |
| Stack flow rate - based on fuel, dscfm.....                                     | 156,606     | 157,725     | 157,325     | 157,219 |
| <b><u>NH<sub>3</sub> ION SELECTIVE ELECTRODE</u></b>                            |             |             |             |         |
| Audit sample concentration (measured), ppm....                                  | 9.72        | 9.72        | 9.72        | 9.72    |
| Audit sample concentration (actual), ppm.....                                   | 10.00       | 10.00       | 10.00       | 10.00   |
| Audit sample, % recovery.....                                                   | 97.2        | 97.2        | 97.2        | 97.2    |
| Sample volume - fraction 1 - (total), ml.....                                   | 176.3       | 154.7       | 132.3       | 154.4   |
| Sample concentration - fraction 1 - (measured), l                               | 7.36        | 8.19        | 8.80        | 8.12    |
| Sample volume - fraction 2 - (total), ml.....                                   | 130.3       | 127.7       | 158.5       | 138.8   |
| Sample concentration - fraction 2 - (measured), l                               | <0.5        | <0.5        | <0.5        | <0.5    |
| Mass of ammonia, mg.....                                                        | 1.30        | 1.27        | 1.16        | 1.24    |
| <b><u>EMISSIONS</u></b>                                                         |             |             |             |         |
| CO concentrations, ppm volume dry.....                                          | 0.8         | 0.6         | 0.6         | 0.7     |
| <sup>2b</sup> CO concentrations, ppm @ 15% O <sub>2</sub> dry.....              | 0.9         | 0.6         | 0.6         | 0.7     |
| <sup>2e</sup> CO mass emissions, lb/hr.....                                     | 0.5         | 0.4         | 0.4         | 0.4     |
| <sup>2f</sup> CO mass emissions, lb/MMBtu.....                                  | 0.0020      | 0.0014      | 0.0014      | 0.0016  |
| NH <sub>3</sub> concentrations, ppm volume dry.....                             | 3.0         | 2.9         | 2.6         | 2.8     |
| <sup>2b</sup> NH <sub>3</sub> concentrations, ppm @ 15% O <sub>2</sub> dry..... | 3.3         | 3.3         | 2.9         | 3.2     |
| <sup>2e</sup> NH <sub>3</sub> mass emissions, lb/hr.....                        | 1.2         | 1.2         | 1.1         | 1.2     |
| <sup>2f</sup> NH <sub>3</sub> mass emissions, lb/MMBtu.....                     | 0.0045      | 0.0044      | 0.0039      | 0.0043  |

Note(s):

### Ammonia Slip Calculation, Unit 2

Calculations used by SV Power

Typical values input to test the calculations

8/9/2024  
Dan Duncan  
MAQS

| INPUTS       |                      | 33 MW  | 62 MW  | 73 MW  |
|--------------|----------------------|--------|--------|--------|
| Variable     | Units                | Min    | Base   | Max    |
| GASFLOW      | Hscf/hr              | 2673.0 | 4464.5 | 5343.4 |
| GASGCV       | Btu/scf              | 1015.0 | 1015.0 | 1015.0 |
| FUEL FACT    | dscf/MMBtu @0%O2     | 8710.0 | 8710.0 | 8710.0 |
| NH3FLOW      | lb/hr                | 64.4   | 107.8  | 117.7  |
| NH3 fraction | lb NH3 / lb solution | 0.19   | 0.19   | 0.19   |
| SCRNOX       | ppm vol dry          | 23.8   | 28.2   | 28.3   |
| STKNOX       | ppm vol dry          | 1.6    | 2.0    | 2.4    |
| STK02        | % volume dry         | 15.5   | 14.3   | 13.0   |

### CALCULATED VALUES

| Value                          | Units          | 33 MW     | 62 MW      | 73 MW      |
|--------------------------------|----------------|-----------|------------|------------|
| UNITHEAT                       | MMBtu/hr       | 271.3     | 453.1      | 542.4      |
| FLOWSCFH                       | dscf/hr        | 9,089,983 | 12,498,543 | 12,497,363 |
| TEGASFLW                       | lbmoles/hr     | 23,578    | 32,419     | 32,416     |
| NH3MOLE                        | lbmoles/hr     | 0.7201    | 1.2048     | 1.3151     |
| Reacted NOX                    | lbmoles/hr     | 0.5226    | 0.8494     | 0.8396     |
| CORRFACT                       | unitless       | 0.91      | 0.67       | 0.36       |
| NH3 slip                       | ppmvd @ 15% O2 | 8.24      | 6.58       | 3.96       |
| Using correction factor of 1.0 |                |           |            |            |

### Measured NH3 slip @ 15% O2

New correction factor

0.352      0.357      0.228