| Test | $=$ EPA 75 |
| :--- | :--- |
| Options = CVS Bag ShowTol Methane MethaneRF |  |


| Test Init Start | = 17 June 2020 08:32:37 | Test Start | = 17 June 2020 08:43:07 |
| :---: | :---: | :---: | :---: |
| Posttest Completed At | = 17 June 2020 09:33:15 | Test Finish | = 17 June 2020 09:23:34 |
| Hot Soak Start Time | = 16 June 2020 15:30:00 |  |  |
| Personnel Information: |  |  |  |
| Driver | = REDACTED | Operator | = REDACTED |
| Requestor | , | Supervisor |  |
| Vehicle Information: |  |  |  |
| VIN | $=$ | Cert Tracking ID | = 2964-ECRXT03.05PV-217 |
| Vehicle Model | = FCA RAM | Model Year | $=2014$ |
| Engine Family | = ECRXT03.05PV | Eng. Disp. | $=3.0 \mathrm{~L}$ |
| Ignition Status | = No | Transmission | $=$ |
| Automatic | $=1$ | Idle RPM | $=$ |
| Sample Delay | = |  |  |
| Vehicle Conditions: |  |  |  |
| Soak Start Time: | $=$ JUNE 16, 2020 15:30 | Ambient Limit Type | $=0$ THER7 |
| Test Specifications: |  |  |  |
| T0-Number | = W0110 | CVS BulkStream Flow : | = 3) 625 scfm |
| TestNet Number | $=2964$ |  |  |
| Dynamometer: |  |  |  |
| Inertia | $=6000$ (1b) | Road Load A | $=5.75$ (1bs) |
| Road Load B | $=0.3209$ | Road Load C | $=0.03152$ |
| Fuel Information: |  |  |  |
| Fuel | = DIE-DJ1621HW10 | Specific gravity | $=0.8520$ |
| NHV | $=18083.00$ | Fuel R-Factor | $=0.60$ |
| CWF | $=0.8710$ | OWF | $=0.0000$ |
| HWF | $=0.1290$ | Fuel Calculation Type | = Diesel/EPA Calcs |


| Phase Information: |  |
| :---: | :--- |
|  | Shift Tables |
| Phase 1 | AUTO |
| Phase 2 | Con't |
| Phase 3 | AUT0 |
| Response Factors: |  |
| Bag Methane | $=1.05$ |

Pre Test Remarks:
TEST \#1 AS RECEIVED
Post Test Remarks:

Non-Critical Information:

Begin Odo
Test end Odometer
$=99599$
Test end Odometer
= 99610
= No Problem
= No Problem

| Idle RPM | $=$ |
| :--- | :--- |
| Driveability | $=$ Good |
| Brakes | $=$ No Problem |
| Vehicle stalls | $=$ None |

ID: ONT50891 EPA 75 TEST * Automotive Testing and Development Services, Inc. * Wed 17 June 2020 08:43 Page 1 of SUM

## SUMMARY REPORT

Test $=$ EPA $75 \quad$ Test ld $=$ ONT50891 $\quad$ TestNet Number $=2964$
Options = CVS Bag ShowTol Methane MethaneRF
Test lnit Start $=17$ June 2020 08:32:37
Fuel Calculation Type $=$ Diesel/EPA Calcs $\quad$ Idle RPM $=\quad$ Driver $=$ REDACTED

| MASS calculated by DF method |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Phase 1 Bag 1 | THC ( ppmC ) | $\begin{gathered} c 0 \\ (\mathrm{ppm}) \end{gathered}$ | $\begin{gathered} \text { NOX } \\ \text { (ppm) } \end{gathered}$ | $\begin{aligned} & \mathrm{CO2} \\ & (\%) \end{aligned}$ | $\begin{gathered} \text { CH4 } \\ \text { (pprC) } \end{gathered}$ | $\begin{aligned} & \text { NM-HC } \\ & \text { (WRF) } \end{aligned}$ | $\begin{gathered} \mathrm{FE} \\ (\mathrm{mpg}) \end{gathered}$ | -...- Dymo Information ..... |
|  |  |  |  |  |  |  |  | Inertia $=6000$ |
| Range | 30.0 | 50.0 | 30.0 | 1.00 | 30.0 |  |  |  |
| Sample | 14.913 | 39.936 | 3.313 | 0.7405 | 5.572 |  |  | Inertia Units $=1 \mathrm{~b}$ |
| Range | 30.0 | 50.0 | 30.0 | 1.00 | 30.0 |  |  |  |
| Ambient | 3.118 | 0.859 | 0.119 | 0.0504 | 1.876 |  |  | Dynamometer will be set manually = False |
| Net Conc. | 11.969 | 39.125 | 3.201 | 0.6929 | 3.800 | 7.9902 |  |  |
|  |  |  |  |  |  |  |  | Dyno Coefficient Units $=2$ |
| Grams/ph. Grams/mi | 0.9009 | 5.9430 | 0.7585 | 1654.6719 | 0.3308 | 0.6014 | 21.9597 |  |
|  | 0.2503 | 1.6509 | 0.2107 | 459.6474 | 0.0919 | 0.1671 |  | Road Load $\mathrm{A}=5.75$ |
| Phase 2 Bag 2 |  |  |  |  |  |  |  | Road Load B $=0.3209$ |
|  | $\underset{(\mathrm{pprC)}}{\substack{\text { THC }}}$ | $\begin{gathered} C 0 \\ (\mathrm{ppm}) \end{gathered}$ | $\begin{gathered} \mathrm{NOX} \\ (\mathrm{ppm}) \end{gathered}$ | $\begin{aligned} & \mathrm{CO2} \\ & (\%) \end{aligned}$ | $\begin{gathered} \text { CH4 } \\ \text { (ppmC) } \end{gathered}$ | $\begin{aligned} & \text { NM-HC } \\ & \text { (wRF) } \end{aligned}$ | $\begin{gathered} \mathrm{FE} \\ (\mathrm{mpg}) \end{gathered}$ | Road Load C $=0.03152$ |
| Range | 10.0 | 50.0 | 30.0 | 1.00 | 10.0 |  |  | Use Augmented Braking System? = True |
| Sample | 5.884 | 0.799 | 0.021 | 0.4385 | 4.442 |  |  |  |
| Range | 10.0 | 50.0 | 30.0 | 1.00 | 10.0 |  |  |  |
| Ambient | 3.379 | 0.778 | -0.021 | 0.0503 | 2.433 |  |  |  |
| Net Conc. | 2.615 | 0.047 | 0.021 | 0.3898 | 2.088 | 0.4290 |  |  |
| Grams/ph. Grams/mi | 0.3377 | 0.0123 | 0.0085 | 1596.7019 | 0.3119 | 0.0554 | 24.5036 |  |
|  | 0.0877 | 0.0032 | 0.0022 | 414.7851 | 0.0810 | 0.0144 |  |  |


| Phase 3 Bag 3 | $\begin{gathered} \text { THC } \\ \text { (ppIC) } \end{gathered}$ | $\begin{gathered} c 0 \\ (\mathrm{ppm}) \end{gathered}$ | $\begin{gathered} \text { NOX } \\ (\mathrm{ppm}) \end{gathered}$ | $\begin{aligned} & \mathrm{CO2} \\ & (\%) \end{aligned}$ |  | $\begin{aligned} & \text { NM-HC } \\ & \text { (WRF) } \end{aligned}$ | $\begin{gathered} \mathrm{FE} \\ (\mathrm{mpg}) \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Range | 10.0 | 50.0 | 30.0 | 1.00 | 10.0 |  |  |
| Sample | 7.060 | 2.156 | 0.475 | 0.6139 | 5.488 |  |  |
| Range | 10.0 | 50.0 | 30.0 | 1.00 | 10.0 |  |  |
| Ambient | 3.243 | 0.796 | -0.058 | 0.0530 | 2.087 |  |  |
| Net Conc. | 3.966 | 1.397 | 0.475 | 0.5634 | 3.497 | 0.3050 |  |
| Ĝramsiph. | 0.2979 | 0.2117 | 0.1101 | 1342.4246 | 0.3038 | 0.0229 | 27.1821 |
| Grams/mi | 0.0829 | 0.0589 | 0.0307 | 373.7506 | 0.0846 | 0.0064 |  |


| Test Summary | THC | CO | NOX | CO2 | CH4 | $\begin{aligned} & \text { NM-HC } \\ & (\mathrm{WRF}) \end{aligned}$ | $\begin{gathered} \mathrm{FE} \\ (\mathrm{mpg}) \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| \|Wtd Results |  |  |  |  |  |  |  |
| Grams g/mi | 0.1202 | 0.3609 | 0.0534 | 412.8175 | 0.0843 | 0.0439 | 24.5825 |
| Grams g/mi | 0.120 | 0.36 | 0.05 | 413 | 0.084 | 0.044 |  |
| Phsi82 gms | 1.2386 | 5.9554 | 0.7670 | 3251.3738 | 0.6428 | 0.6568 |  |
| Phs182 $\mathrm{g} / \mathrm{mi}$ | 0.1663 | 0.7994 | 0.1030 | 436.4647 | 0.0863 | 0.0882 | 23.2440 |
| \|Phs283 gms | 0.6356 | 0.2240 | 0.1186 | 2939.1265 | 0.6157 | 0.0783 |  |
| \|Phs283 g/mi | 0.0854 | 0.0301 | 0.0159 | 394.9784 | 0.0827 | 0.0105 | 25.7409 |

## CVS Bag report

MASS calculated by DF method

| Phase 1 Bag 1 | $\begin{aligned} & \text { THC } \\ & (\mathrm{ppmC}) \end{aligned}$ | $\begin{gathered} \mathrm{CO} \\ (\mathrm{ppm}) \end{gathered}$ | $\begin{aligned} & \text { NOX } \\ & \text { (ppm) } \end{aligned}$ | $\mathrm{CO}$ | $\begin{gathered} \mathrm{CH} 4 \\ (\mathrm{ppmC}) \end{gathered}$ | $\begin{aligned} & \text { NM-HC } \\ & \text { (wRF) } \end{aligned}$ | $\begin{gathered} \mathrm{FE} \\ (\mathrm{mpg}) \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Range | 30.0 | 50.0 | 30.0 | 1.00 | 30.0 |  |  |
| Sample | 14.913 | 39.936 | 3.313 | 0.7405 | 5.572 |  |  |
| Range | 30.0 | 50.0 | 30.0 | 1.00 | 30.0 |  |  |
| Ambient | 3.118 | 0.859 | 0.119 | 0.0504 | 1.876 |  |  |
| Net Conc. | 11.969 | 39.125 | 3.201 | 0.6929 | 3.800 | 7.9902 |  |
| Grams/ph. | 0.9009 | 5.9430 | 0.7585 | 1654.6719 | 0.3308 | 0.6014 | 21.9597 |
| Grams/mi | 0.2503 | 1.6509 | 0.2107 | 459.6474 | 0.0919 | 0.1671 |  |


| Test Info |  |  | Times Info |  |
| :---: | :---: | :---: | :---: | :---: |
| Baro(inHg) | $=$ | 28.94 | Phase Start = | = 08:43:07 |
| Temp( F) | = | 72.8 | Phase Finish $=$ | = 08:51:32 |
| Tdew ( F) | $=$ | 53.7 | Analysis End = | = 08:59:05 |
| Rhum(\%) | $=$ | 51.3 |  |  |
| Ahum(gr/1b) | $=$ | 63.6 | Elapsed (sec) $=$ | $=505.7$ |
| NOX Factor | $=$ | 0.9493 | Bag Fill (sec) = | $=506.0$ |
|  |  |  | Bag Anl (sec) $=$ | $=453.1$ |
| Vmix (ft3 20 | C) = | 4608.45 | Drv Err (sec) | $=0.0$ |
| Dilu. Factor | $=$ | 17.9641 | Crank Time | 0.7 |
| Dist(mi) | = | 3.5999 |  |  |


| Phase 2 Bag 2 | $\begin{aligned} & \text { THC } \\ & (p p \Pi C) \end{aligned}$ | $\begin{gathered} \mathrm{CO} \\ (\mathrm{ppm}) \end{gathered}$ | $\begin{gathered} \text { NOX } \\ \text { (ppm) } \end{gathered}$ | $\begin{aligned} & \mathrm{CO} \\ & (\%) \end{aligned}$ | $\begin{gathered} \mathrm{CH} 4 \\ (\mathrm{ppmC}) \end{gathered}$ | $\begin{aligned} & \text { NM-HC } \\ & \text { (wRF) } \end{aligned}$ | $\begin{gathered} \mathrm{FE} \\ (\mathrm{mpg}) \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Range | 10.0 | 50.0 | 30.0 | 1.00 | 10.0 |  |  |
| Sample | 5.884 | 0.799 | 0.021 | 0.4385 | 4.442 |  |  |
| Range | 10.0 | 50.0 | 30.0 | 1.00 | 10.0 |  |  |
| Ambient | 3.379 | 0.778 | -0.021 | 0.0503 | 2.433 |  |  |
| Net Conc. | 2.615 | 0.047 | 0.021 | 0.3898 | 2.088 | 0.4290 |  |
| Grams/ph. | 0.3377 | 0.0123 | 0.0085 | 1596.7019 | 0.3119 | 0.0554 | 24.5036 |
| Grams/mi | 0.0877 | 0.0032 | 0.0022 | 414.7851 | 0.0810 | 0.0144 |  |

Test Info

| Baro(inHg) | $=$ | 28.94 |
| :--- | ---: | ---: |
| Temp( F) | $=$ | 72.7 |
| Tdew( F) | $=$ | 52.9 |
| Rhum(\%) | $=$ | 49.8 |
| Ahum(gr/lb) | $=$ | 61.6 |
| NOX Factor | $=$ | 0.9407 |
|  |  |  |
| Vmix(ft3 20 C) | $=7905.63$ |  |
| Dilu. Factor | $=$ | 30.5170 |
| Dist(mi) | $=3.8495$ |  |

Chase Start
Phase Finish $=09: 06: 02$
Analysis End $=09: 12: 05$
Elapsed $(\mathrm{sec})=869.6$
Bag Fill (sec) $=870.0$
Bag An7 $(\mathrm{sec})=363.6$
Drv Err $(\mathrm{sec})=0.0$
Stop Time $=0.7$

Soak Start $=09: 06: 02$
Soak Finish $=09: 15: 09$
Elapsed $(\mathrm{sec})=546.8$

| Phase 3 Bag 3 | $\begin{gathered} \text { THC } \\ \text { (ppmC) } \end{gathered}$ | $\begin{gathered} \mathrm{CO} \\ (\mathrm{ppm}) \end{gathered}$ | $\begin{gathered} \text { NOX } \\ (\mathrm{ppm}) \end{gathered}$ | $\begin{aligned} & \mathrm{CO2} \\ & (\%) \end{aligned}$ | $\begin{aligned} & \mathrm{CH} 4 \\ & (\mathrm{ppmC}) \end{aligned}$ | $\begin{aligned} & \text { NM-HC } \\ & (W R F) \end{aligned}$ | $\begin{gathered} \mathrm{FE} \\ (\mathrm{mpg}) \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Range | 10.0 | 50.0 | 30.0 | 1.00 | 10.0 |  |  |
| Sample | 7.060 | 2.156 | 0.475 | 0.6139 | 5.488 |  |  |
| Range | 10.0 | 50.0 | 30.0 | 1.00 | 10.0 |  |  |
| Ambient | 3.243 | 0.796 | -0.058 | 0.0530 | 2.087 |  |  |
| Net Conc. | 3.966 | 1.397 | 0.475 | 0.5634 | 3.497 | 0.3050 |  |
| Grams/ph. | 0.2979 | 0.2117 | 0.1101 | 1342.4246 | 0.3038 | 0.0229 | 27.1821 |
| Grams/mi | 0.0829 | 0.0589 | 0.0307 | 373.7506 | 0.0846 | 0.0064 |  |


| Baro(inHg) | $=$ | 28.94 |
| :--- | :--- | ---: |
| Temp( F) | $=$ | 72.7 |
| Tdew (F) | $=$ | 51.8 |
| Rhum (f) | $=$ | 48.1 |
| Ahum(gr/lb) | $=$ | 59.2 |
| NOX Factor | $=$ | 0.9311 |
|  |  |  |
| Vmix(ft3 20 C) | $=4598.30$ |  |
| Dilu. Factor | $=$ | 21.7949 |
| Dist(mi) | $=$ | 3.5918 |


| Phase Start |  |
| :---: | :---: |
| Phase Finish $=09: 23: 34$ |  |
| Analysis End | 29:27 |
| Elapsed (sec) | 505.9 |
| Bag Fill (sec) $=$ | 506.0 |
| Bag Anl (sec) | 353.1 |
| Drv Err (sec) | 0.0 |
| Crank Time | 0.9 |


| \|Test Summary | THC | CO | NOX | C02 | CH4 | $\begin{aligned} & \hline \text { NM-HC } \\ & \text { (wRF) } \end{aligned}$ | $\begin{gathered} \mathrm{FE} \\ (\mathrm{mpg}) \end{gathered}$ | Avg Test Info |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| \|Wtd Results |  |  |  |  |  |  |  | Baro(inHg) |  | 28.94 |
| \|Grams g/mi | 0.1202 | 0.3609 | 0.0534 | 412.8175 | 0.0843 | 0.0439 | 24.5825 | Temp( F) |  | 72.7 |
| \|Grams g/mi | 0.120 | 0.36 | 0.05 | 413 | 0.084 | 0.044 |  | Tdew( F) |  | 52.8 |
| \|Phs18i2 gms | 1.2386 | 5.9554 | 0.7670 | 3251.3738 | 0.6428 | 0.6568 |  | Rhum(\%) |  | 49.8 |
| \|Phsl\&2 g/mi | 0.1663 | 0.7994 | 0.1030 | 436.4647 | 0.0863 | 0.0882 | 23.2440 | Ahum(gr/1b) |  | 61.5 |
| \|Phs283 gms | 0.6356 | 0.2240 | 0.1186 | 2939.1265 | 0.6157 | 0.0783 |  | NOX Factor |  | 0.9404 |
| Phs2\&3 g/mi | 0.0854 | 0.0301 | 0.0159 | 394.9784 | 0.0827 | 0.0105 | 25.7409 |  |  |  |

## CVS Bag report

MASS calculated by DF method


ID: ONT50891 EPA 75 TEST Printed on: Wed 17 June 2020 09:34

* Automotive Testing and Development Services, Inc. * Wed 17 June 2020 08:43 Page 1 of VAL
* Single Roll Dyno Configuration *

DATA VALIDATION

Sample Bag Readings

Bag Read Sequence

Bag Zero/Span Sequence

Hot Soak Length
Analyzer Overscale VALID
Venturi Inlet Temperature

VALID
Value of parameter
................................
VALID
VALID
VALID
VALID
VALID
VALID
VALID
VALID
VALID
VALID
VALID
VALID
VALID
VALID
VALID

VALID

VALID

VALID

VALID

LIMIT OF PARAMETER


ID: ONT50891 EPA 75 TEST * Automotive Testing and Development Services, Inc. * Wed 17 June 2020 08:43 Page 1 of BZS Printed on: Wed 17 June 2020 09:34

| Bag Pair 1 Zero/Span Concentrations |  |  |  |  | ( Offset Limit $=25.0 \%$ ReZero Limit $=1.0 \%$ ) |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Samp | Gas | Range | Fullscale | Zero | Offset | Std Dev | Spec | Span | Offset | Std Dev | Rezero | Drift | Std Dev | Status |
| BAG | LCO | (1) | 50.0 ppm | 0.448 | 0.90 | 0.05059 | 46.352 | 46.347 | -0.01 | 0.02253 | -0.010 | -0.02 | 0.02071 | PASS |
| BAG | CO2 | (1) | 1.00\% | 0.0042 | 0.42 | 0.02016 | 0.9303 | 0.9304 | 0.02 | 0.06042 | -0.0002 | -0.02 | 0.01478 | PASS |
| BAG | THC | (2) | 30.0 ppm | 0.114 | 0.38 | 0.01997 | 28.130 | 28.298 | 0.56 | 0.02166 | -0.054 | -0.18 | 0.01526 | PASS |
| BAG | NOX | (2) | 30.0 ppm | 0.054 | 0.18 | 0.30376 | 28.000 | 28.318 | 1.06 | 0.23129 | 0.062 | 0.21 | 0.21341 | PASS |
| BAG | CH4 | (2) | 30.0 ppm | -0.024 | -0.08 | 0.11431 | 27.600 | 28.079 | 1.60 | 0.01935 | 0.022 | 0.07 | 0.07428 | PASS |



| Ba |  | Ler | Conce |  |  | Limit | 0\% Re | L |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Samp | Gas | Range | ullscale | Zero | Offset | Std Dev | Spec | Span | Offset | Std Dev | Rezero | Drift | Std Dev | Statu |
| BAG | LCO | (1) | 50.0ppm | 0.413 | 0.83 | 0.05008 | 46.352 | 46.542 | 0.38 | 0.11482 | 0.107 | 0.21 | 0.05676 | PASS |
| BAG | C02 | (1) | 1.00\% | 0.0039 | 0.39 | 0.01809 | 0.9303 | 0.9300 | -0.03 | 0.04740 | -0.0001 | -0.01 | 0.01831 | PASS |
| BAG | THC | (1) | 10.0 ppm | 0.060 | 0.60 | 0.03533 | 9.382 | 9.382 | 0.00 | 0.03116 | 0.011 | 0.11 | 0.02647 | PASS |
| BAG | NOX | (2) | 30.0 ppm | 0.151 | 0.50 | 0.11152 | 28.000 | 28.036 | 0.12 | 0.25859 | -0.067 | -0.22 | 0.28848 | PASS |
| BAG | CH4 | (1) | 10.0 ppm | 0.037 | 0.37 | 0.52540 | 9.368 | 9.373 | 0.05 | 0.11103 | -0.003 | -0.03 | 0.13277 | PASS |

Bag Pair 2 Post Bag Check ( Drift Limit = 2.0\% )

| Samp | Gas | Range Fullscale | Zero | Drift | Std Dev | Spec | Span | Drift | Std Dev | Status |  |
| :--- | :--- | :--- | :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| BAG | LCO | (1) | 50.0ppm | 0.049 | 0.10 | 0.07584 | 46.352 | 46.326 | -0.05 | 0.06108 | PASS |
| BAG | CO2 | (1) | $1.00 \%$ | 0.0006 | 0.06 | 0.01683 | 0.9303 | 0.9326 | 0.24 | 0.04406 | PASS |
| BAG | THC | (1) | 10.0 ppm | 0.037 | 0.37 | 0.05089 | 9.382 | 9.464 | 0.82 | 0.02680 | PASS |
| BAG | NOX | (2) | 30.0 ppm | -0.102 | -0.34 | 0.20314 | 28.000 | 27.810 | -0.63 | 0.22603 | PASS |
| BAG | CH4 | (1) | 10.0 ppm | 0.090 | 0.90 | 0.24513 | 9.368 | 9.251 | -1.18 | 0.07877 | PASS |


| Bag Pair 3 Zero/Span Concentrations |  |  |  |  | ( Offset Limit $=25.0 \%$ ReZero Limit $=1.0 \%$ ) |  |  |  |  |  | Rezero | Drift | Std Dev | Status |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Samp | Gas | Range | Fullscale | Zero | Offset | Std Dev | Spec | Span | Offset | Std Dev |  |  |  |  |
| BAG | LCO | (1) | 50.0ppm | 0.362 | 0.72 | 0.06258 | 46.352 | 46.484 | 0.27 | 0.05600 | 0.022 | 0.04 | 0.05644 | PASS |
| BAG | CO2 | (1) | 1.00\% | 0.0040 | 0.40 | 0.01802 | 0.9303 | 0.9297 | -0.05 | 0.03935 | 0.0000 | 0.00 | 0.01277 | PASS |
| BAG | THC | (1) | 10.0 ppm | 0.094 | 0.94 | 0.01983 | 9.382 | 9.380 | -0.03 | 0.14510 | -0.040 | -0.40 | 0.02221 | PASS |
| BAG | NOX | (2) | 30.0 ppm | 0.175 | 0.58 | 0.12123 | 28.000 | 28.108 | 0.36 | 0.10920 | -0.053 | -0.18 | 0.36119 | PASS |
| BAG | CH 4 | (1) | 10.0 ppm | 0.194 | 1.94 | 0.16642 | 9.368 | 9.370 | 0.02 | 0.08692 | 0.027 | 0.27 | 0.32738 | PASS |


| Bag Pair 3 Post Bag Check |  |  |  | ( Drift Limit = 2.0\%) |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Samp | Gas | Range | Fullscale | Zero | Drift | Std Dev | Spec | Span | Drift | Std Dev | Status |
| BAG | LCO | (1) | 50.0ppm | 0.126 | 0.25 | 0.06406 | 46.352 | 46.275 | -0.15 | 0.03473 | PASS |
| BAG | CO2 | (1) | 1.00\% | 0.0004 | 0.04 | 0.01126 | 0.9303 | 0.9335 | 0.32 | 0.04483 | PASS |
| BAG | THC | (1) | 10.0 ppm | -0.002 | -0.02 | 0.04180 | 9.382 | 9.392 | 0.09 | 0.01379 | PASS |
| BAG | NOX | (2) | 30.0 ppm | 0.034 | 0.11 | 0.26816 | 28.000 | 27.903 | -0.32 | 0.21177 | PASS |
| BAG | CH 4 | (1) | 10.0 ppm | -0.001 | -0.01 | 0.10725 | 9.368 | 9.352 | -0.16 | 0.08309 | PASS |

