## APPENDIX B-3

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# DAILY OPENING, CLOSING, AND CONTINUING CALIBRATION VERIFICATION REPORTS

QA/QC CALIBRATION DATA

DATE: 05/14/02
HP Labs Project #GF051402T2
TIOGA 2

SUPPLY SOURCE: CONTINUING CALIBRATION (OPENING) ACCUSTANDARD LOT #B1070297
SUPPLY SOURCE: QUALITY CONTROL (CLOSING) ACCUSTANDARD LOT #B0120302
INSTRUMENT: SHIMADZU GC14A FRONT

| | | | OPENING STANDARD | | | | | CLOSING STANDARD | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| COMPOUND | DETECTOR | AVE RF | MASS | RT | AREA | RF | %DIFF | MASS | RT | AREA | RF | %DIFF |
| CARBON TETRACHLORIDE | HALL | 44.8 | 20 | 7.7 | 933 | 46.7 | 4.1% | 20 | 7.7 | 787 | 39.4 | 12.2% |
| CHLOROFORM | HALL | 36.0 | 20 | 7.1 | 746 | 37.3 | 3.6% | 20 | 7.1 | 710 | 35.5 | 1.4% |
| 1,1-DICHLORO ETHANE | HALL | 31.3 | 20 | 5.7 | 594 | 29.7 | 5.1% | 20 | 5.7 | 623 | 31.2 | 0.5% |
| 1,2-DICHLORO ETHANE | HALL | 40.0 | 20 | 8.0 | 761 | 38.1 | 4.9% | 20 | 8.0 | 730 | 36.5 | 8.8% |
| 1,1-DICHLORO ETHENE | PID | 0.830 | 20 | 4.1 | 15.7 | 0.785 | 5.4% | 20 | 4.1 | 16.9 | 0.845 | 1.8% |
| CIS-1,2-DICHLORO ETHENE | PID | 1.07 | 20 | 6.5 | 21.4 | 1.07 | 0.0% | 20 | 6.5 | 21.2 | 1.06 | 0.9% |
| TRANS-1,2-DICHLORO ETHENE | PID | 1.94 | 20 | 5.1 | 37.6 | 1.88 | 3.1% | 20 | 5.1 | 39.3 | 1.97 | 1.3% |
| DICHLOROMETHANE | HALL | 30.5 | 20 | 4.8 | 579 | 29.0 | 5.1% | 20 | 4.8 | 657 | 32.9 | 7.7% |
| TETRACHLORO ETHENE | PID | 0.980 | 20 | 12.9 | 19.5 | 0.98 | 0.5% | 20 | 12.9 | 18.9 | 0.95 | 3.6% |
| 1,1,1,2-TETRACHLORO ETHANE | HALL | 46.5 | 20 | 15.2 | 907 | 45.4 | 2.5% | 20 | 15.2 | 899 | 45.0 | 3.3% |
| 1,1,2,2-TETRACHLORO ETHANE | HALL | 40.9 | 20 | 18.3 | 878 | 43.9 | 7.3% | 20 | 18.3 | 743 | 37.2 | 9.2% |
| 1,1,1-TRICHLORO ETHANE | HALL | 35.3 | 20 | 7.4 | 680 | 34.0 | 3.7% | 20 | 7.4 | 699 | 35.0 | 1.0% |
| 1,1,2-TRICHLORO ETHANE | HALL | 27.7 | 20 | 12.6 | 571 | 28.6 | 3.1% | 20 | 12.6 | 527 | 26.4 | 4.9% |
| TRICHLORO ETHENE | PID | 1.21 | 20 | 9.1 | 23.9 | 1.20 | 1.2% | 20 | 9.1 | 24.0 | 1.20 | 0.8% |
| 1,1,2-TRICHLOROTRIFLUOROETHANE (FR113) | HALL | 22.7 | 40 | 4.1 | 811 | 20.3 | 10.7% | 40 | 4.1 | 993 | 24.8 | 9.4% |
| BENZENE | PID | 2.23 | 20 | 7.9 | 44.1 | 2.21 | 1.1% | 20 | 7.9 | 43.1 | 2.16 | 3.4% |
| CHLOROBENZENE | PID | 2.19 | 20 | 14.9 | 42.9 | 2.15 | 2.1% | 20 | 14.9 | 39.7 | 1.99 | 9.4% |
| ETHYLBENZENE | PID | 1.80 | 20 | 15.2 | 35.2 | 1.76 | 2.2% | 20 | 15.2 | 34.1 | 1.71 | 5.3% |
| TOLUENE | PID | 2.07 | 20 | 11.7 | 40.7 | 2.04 | 1.7% | 20 | 11.7 | 39.7 | 1.99 | 4.1% |
| m&p-XYLENES | PID | 2.14 | 40 | 15.5 | 82.3 | 2.06 | 3.9% | 40 | 15.5 | 78.8 | 1.97 | 7.9% |
| o-XYLENE | PID | 1.77 | 20 | 16.5 | 34.0 | 1.70 | 4.0% | 20 | 16.5 | 32.8 | 1.64 | 7.3% |
| 1,4 DIFLUORO BENZENE | PID | 0.820 | 20 | 8.6 | 16.1 | 0.805 | 1.8% | 20 | 8.6 | 16.6 | 0.830 | 1.2% |
| 4 BROMOFLUORO BENZENE | PID | 1.76 | 20 | 17.8 | 38.3 | 1.92 | 8.8% | 20 | 17.8 | 35.2 | 1.76 | 0.0% |

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY (CERT #1667)
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

QA/QC - CALIBRATION DATA

DATE: 05/14/02
HP Labs Project #GF051402T2
TIOGA 2

SUPPLY SOURCE: (CALIBRATION VERIFICATION)
ACCUSTANDARD LOT # B1070297
INSTRUMENT: SHIMADZU GC14A

| | | | CONTINUING STANDARD | | | | |
|---|---|---|---|---|---|---|---|
| COMPOUND | DETECTOR | AVE RF | MASS | RT | AREA | CF | %DIFF |
| CARBON TETRACHLORIDE | HALL | 44.8 | 20 | 7.7 | 888 | 44 | 0.9% |
| CHLOROFORM | HALL | 36.0 | 20 | 7.1 | 668 | 33.4 | 7.2% |
| 1,1-DICHLORO ETHANE | HALL | 31.3 | 20 | 5.7 | 616 | 31 | 1.6% |
| 1,2-DICHLORO ETHANE | HALL | 40.0 | 20 | 8.0 | 762 | 38 | 4.8% |
| 1,1-DICHLORO ETHENE | PID | 0.83 | 20 | 4.1 | 15.6 | 0.78 | 6.0% |
| CIS-1,2-DICHLORO ETHENE | PID | 1.07 | 20 | 6.5 | 21.2 | 1.1 | 0.9% |
| TRANS-1,2-DICHLORO ETHENE | PID | 1.94 | 20 | 5.1 | 38.4 | 1.9 | 1.0% |
| DICHLOROMETHANE | HALL | 30.5 | 20 | 4.8 | 586 | 29.3 | 3.9% |
| TETRACHLORO ETHENE | PID | 0.98 | 20 | 12.9 | 19.4 | 1.0 | 1.0% |
| 1,1,1,2-TETRACHLORO ETHANE | HALL | 46.5 | 20 | 15.2 | 877 | 43.9 | 5.7% |
| 1,1,2,2-TETRACHLORO ETHANE | HALL | 40.9 | 20 | 18.3 | 803 | 40.2 | 1.8% |
| 1,1,1-TRICHLORO ETHANE | HALL | 35.3 | 20 | 7.4 | 679 | 34 | 3.8% |
| 1,1,2-TRICHLORO ETHANE | HALL | 27.7 | 20 | 12.6 | 601 | 30 | 8.5% |
| TRICHLORO ETHENE | PID | 1.21 | 20 | 9.1 | 24.0 | 1.2 | 0.8% |
| 1,1,2-TRICHLOROTRIFLUOROETHANE (FR113) | HALL | 22.7 | 40 | 4.1 | 867 | 22 | 4.5% |
| BENZENE | PID | 2.23 | 20 | 7.9 | 44.2 | 2.2 | 0.9% |
| CHLOROBENZENE | PID | 2.19 | 20 | 14.9 | 43.2 | 2.2 | 1.4% |
| ETHYLBENZENE | PID | 1.80 | 20 | 15.2 | 36.1 | 1.8 | 0.3% |
| TOLUENE | PID | 2.07 | 20 | 11.7 | 41.0 | 2.1 | 1.0% |
| m&p-XYLENES | PID | 2.14 | 40 | 15.5 | 83.5 | 2.1 | 2.5% |
| o-XYLENE | PID | 1.77 | 20 | 16.5 | 34.7 | 1.7 | 2.0% |
| 1,4 DIFLUORO BENZENE | PID | 0.820 | 20 | 8.6 | 16.3 | 0.82 | 0.6% |
| 4 BROMOFLUORO BENZENE | PID | 1.76 | 20 | 17.8 | 35.5 | 1.8 | 0.9% |

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY (CERT #1667)
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