APPENDIX B-3

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

COMPOUND	DETECTOR	AVE RF	CONTINUING STANDARD 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)
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS