APPENDIX B-3

DAILY OPENING, CLOSING, AND CONTINUING CALIBRATION VERIFICATION REPORTS

QA/QC CALIBRATION DATA

DATE: 09/04/02
HP Labs Project #GF090302T2
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	26.3	20	7.7	547	27.4	4.0%	20	7.7	538	26.9	2.3%
CHLOROFORM	HALL	19.6	20	7.1	395	19.8	0.8%	20	7.1	413	20.7	5.4%
1,1-DICHLORO ETHANE	HALL	18.9	20	5.8	368	18.4	2.6%	20	5.8	374	18.7	1.1%
1,2-DICHLORO ETHANE	HALL	20.9	20	8.1	475	23.8	13.6%	20	8.1	470	23.5	12.4%
1,1-DICHLORO ETHENE	PID	0.800	20	4.1	14.2	0.7	11.3%	20	4.1	14.7	0.7	8.1%
CIS-1,2-DICHLORO ETHENE	PID	1.03	20	6.6	18.7	0.9	9.2%	20	6.6	19.4	1.0	5.8%
TRANS-1,2-DICHLORO ETHENE	PID	1.86	20	5.1	33.9	1.7	8.9%	20	5.1	35.1	1.8	5.6%
DICHLOROMETHANE	HALL	15.3	20	4.8	337	16.9	10.1%	20	4.8	327	16.4	6.9%
TETRACHLORO ETHENE	PID	0.960	20	12.9	17.2	0.9	10.4%	20	12.9	17.7	0.9	7.8%
1,1,1,2-TETRACHLORO ETHANE	HALL	27.8	20	15.2	548	27.4	1.4%	20	15.2	572	28.6	2.9%
1,1,2,2-TETRACHLORO ETHANE	HALL	23.5	20	18.4	431	21.6	8.3%	20	18.4	470	23.5	0.0%
1,1,1-TRICHLORO ETHANE	HALL	19.1	20	7.4	394	19.7	3.1%	20	7.4	416	20.8	8.9%
1,1,2-TRICHLORO ETHANE	HALL	12.6	20	12.7	207	10.4	17.9%	20	12.7	288	14.4	14.3%
TRICHLORO ETHENE	PID	1.18	20	9.1	21.3	1.1	9.7%	20	9.1	22.0	1.1	6.8%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	HALL	10.7	40	4.1	368	9.2	14.0%	40	4.1	405	10.1	5.4%
BENZENE	PID	2.14	20	8.0	39.3	2.0	8.2%	20	8.0	40.7	2.0	4.9%
CHLOROBENZENE	PID	2.09	20	14.9	37.9	1.9	9.3%	20	14.9	39.0	2.0	6.7%
ETHYLBENZENE	PID	1.71	20	15.2	31.5	1.6	7.9%	20	15.2	32.5	1.6	5.0%
TOLUENE	PID	2.00	20	11.7	35.9	1.8	10.3%	20	11.7	37.3	1.9	6.8%
m&p-XYLENES	PID	2.09	40	15.5	73.6	1.8	12.0%	40	15.5	75.4	1.9	9.8%
o-XYLENE	PID	1.72	20	16.5	30.5	1.5	11.3%	20	16.5	31.2	1.6	9.3%
1,4 DIFLUORO BENZENE	PID	0.780	20	8.6	14.2	0.7	9.0%	20	8.6	14.9	0.7	4.5%
4 BROMOFLUORO BENZENE	PID	1.67	20	17.9	29.8	1.5	10.8%	20	17.9	30.8	1.5	7.8%

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

QA/QC - CALIBRATION DATA

DATE: 09/04/02
HP Labs Project #GF090302T2
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	26.3	20	7.7	559	28	6.3%
CHLOROFORM	HALL	19.6	20	7.1	384	19.2	2.0%
1,1-DICHLORO ETHANE	HALL	18.9	20	5.7	397	20	5.0%
1,2-DICHLORO ETHANE	HALL	20.9	20	8.0	450	23	7.7%
1,1-DICHLORO ETHENE	PID	0.800	20	4.1	14.9	0.7	6.9%
CIS-1,2-DICHLORO ETHENE	PID	1.03	20	6.5	19.8	1.0	3.9%
TRANS-1,2-DICHLORO ETHENE	PID	1.86	20	5.1	35.9	1.8	3.5%
DICHLOROMETHANE	HALL	15.3	20	4.8	356	17.8	16.3%
TETRACHLORO ETHENE	PID	0.960	20	12.9	17.9	0.9	6.8%
1,1,1,2-TETRACHLORO ETHANE	HALL	27.8	20	15.2	632	31.6	13.7%
1,1,2,2-TETRACHLORO ETHANE	HALL	23.5	20	18.3	490	24.5	4.3%
1,1,1-TRICHLORO ETHANE	HALL	19.1	20	7.4	376	19	1.6%
1,1,2-TRICHLORO ETHANE	HALL	12.6	20	12.6	252	13	0.0%
TRICHLORO ETHENE	PID	1.18	20	9.1	22.4	1.1	5.1%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	HALL	10.7	40	4.1	428	11	0.0%
BENZENE	PID	2.14	20	7.9	41.4	2.1	3.3%
CHLOROBENZENE	PID	2.09	20	14.9	39.6	2.0	5.3%
ETHYLBENZENE	PID	1.71	20	15.2	32.9	1.6	3.8%
TOLUENE	PID	2.00	20	11.6	37.9	1.9	5.3%
m&p-XYLENES	PID	2.09	40	15.5	77.0	1.9	7.9%
o-XYLENE	PID	1.72	20	16.5	31.9	1.6	7.3%
1,4 DIFLUORO BENZENE	PID	0.780	20	8.6	14.9	0.7	4.5%
4 BROMOFLUORO BENZENE	PID	1.67	20	17.8	31.2	1.6	6.6%

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

QA/QC CALIBRATION DATA

DATE: 09/06/02
HP Labs Project #GF090302T2
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	26.3	20	7.7	535	26.8	1.7%	20	7.7	500	25.0	4.9%
CHLOROFORM	HALL	19.6	20	7.1	394	19.7	0.5%	20	7.1	374	18.7	4.6%
1,1-DICHLORO ETHANE	HALL	18.9	20	5.8	363	18.2	4.0%	20	5.8	339	17.0	10.3%
1,2-DICHLORO ETHANE	HALL	20.9	20	8.1	452	22.6	8.1%	20	8.1	402	20.1	3.8%
1,1-DICHLORO ETHENE	PID	0.800	20	4.1	14.8	0.7	7.5%	20	4.1	14.8	0.7	7.5%
CIS-1,2-DICHLORO ETHENE	PID	1.03	20	6.6	19.6	1.0	4.9%	20	6.6	19.9	1.0	3.4%
TRANS-1,2-DICHLORO ETHENE	PID	1.86	20	5.1	35.0	1.8	5.9%	20	5.1	35.3	1.8	5.1%
DICHLOROMETHANE	HALL	15.3	20	4.8	329	16.5	7.5%	20	4.8	308	15.4	0.7%
TETRACHLORO ETHENE	PID	0.960	20	12.9	18.0	0.9	6.2%	20	12.9	18.2	0.9	5.2%
1,1,1,2-TETRACHLORO ETHANE	HALL	27.8	20	15.2	582	29.1	4.7%	20	15.2	576	28.8	3.6%
1,1,2,2-TETRACHLORO ETHANE	HALL	23.5	20	18.4	487	24.4	3.6%	20	18.4	454	22.7	3.4%
1,1,1-TRICHLORO ETHANE	HALL	19.1	20	7.4	398	19.9	4.2%	20	7.4	364	18.2	4.7%
1,1,2-TRICHLORO ETHANE	HALL	12.6	20	12.7	285	14.3	13.1%	20	12.7	280	14.0	11.1%
TRICHLORO ETHENE	PID	1.18	20	9.1	22.3	1.1	5.5%	20	9.1	22.6	1.1	4.2%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	HALL	10.7	40	4.1	398	10.0	7.0%	40	4.1	382	9.6	10.7%
BENZENE	PID	2.14	20	8.0	40.8	2.0	4.7%	20	8.0	41.3	2.1	3.5%
CHLOROBENZENE	PID	2.09	20	14.9	39.8	2.0	4.8%	20	14.9	39.9	2.0	4.5%
ETHYLBENZENE	PID	1.71	20	15.2	33.2	1.7	2.9%	20	15.2	33.4	1.7	2.3%
TOLUENE	PID	2.00	20	11.7	37.8	1.9	5.5%	20	11.7	38.0	1.9	5.0%
m&p-XYLENES	PID	2.09	40	15.5	76.8	1.9	8.1%	40	15.5	77.1	1.9	7.8%
o-XYLENE	PID	1.72	20	16.5	32.5	1.6	5.5%	20	16.5	32.3	1.6	6.1%
1,4 DIFLUORO BENZENE	PID	0.780	20	8.6	14.9	0.7	4.5%	20	8.6	15.1	0.8	3.2%
4 BROMOFLUORO BENZENE	PID	1.67	20	17.9	32.1	1.6	3.9%	20	17.9	32.1	1.6	3.9%

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

QA/QC - CALIBRATION DATA

DATE: 09/06/02
HP Labs Project #GF090302T2
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	26.3	20	7.7	494	25	6.1%
CHLOROFORM	HALL	19.6	20	7.1	371	18.6	5.4%
1,1-DICHLORO ETHANE	HALL	18.9	20	5.7	341	17	9.8%
1,2-DICHLORO ETHANE	HALL	20.9	20	8.0	404	20	3.3%
1,1-DICHLORO ETHENE	PID	0.800	20	4.1	13.8	0.7	13.8%
CIS-1,2-DICHLORO ETHENE	PID	1.03	20	6.5	18.7	0.9	9.2%
TRANS-1,2-DICHLORO ETHENE	PID	1.86	20	5.1	33.4	1.7	10.2%
DICHLOROMETHANE	HALL	15.3	20	4.8	311	15.6	1.6%
TETRACHLORO ETHENE	PID	0.960	20	12.9	17.2	0.9	10.4%
1,1,1,2-TETRACHLORO ETHANE	HALL	27.8	20	15.2	565	28.3	1.6%
1,1,2,2-TETRACHLORO ETHANE	HALL	23.5	20	18.3	450	22.5	4.3%
1,1,1-TRICHLORO ETHANE	HALL	19.1	20	7.4	368	18	3.7%
1,1,2-TRICHLORO ETHANE	HALL	12.6	20	12.6	264	13	4.8%
TRICHLORO ETHENE	PID	1.18	20	9.1	21.3	1.1	9.7%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	HALL	10.7	40	4.1	388	10	9.3%
BENZENE	PID	2.14	20	7.9	39.0	2.0	8.9%
CHLOROBENZENE	PID	2.09	20	14.9	38.0	1.9	9.1%
ETHYLBENZENE	PID	1.71	20	15.2	31.7	1.6	7.3%
TOLUENE	PID	2.00	20	11.6	36.1	1.8	9.7%
m&p-XYLENES	PID	2.09	40	15.5	73.7	1.8	11.8%
o-XYLENE	PID	1.72	20	16.5	30.7	1.5	10.8%
1,4 DIFLUORO BENZENE	PID	0.780	20	8.6	14.2	0.7	9.0%
4 BROMOFLUORO BENZENE	PID	1.67	20	17.8	30.5	1.5	8.7%

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

QA/QC CALIBRATION DATA

DATE: 09/09/02
HP Labs Project #GF090302T2
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	26.3	20	7.7	539	27.0	2.5%	20	7.7	562	28.1	6.8%
CHLOROFORM	HALL	19.6	20	7.1	427	21.4	8.9%	20	7.1	416	20.8	6.1%
1,1-DICHLORO ETHANE	HALL	18.9	20	5.8	381	19.1	0.8%	20	5.8	358	17.9	5.3%
1,2-DICHLORO ETHANE	HALL	20.9	20	8.1	434	21.7	3.8%	20	8.1	450	22.5	7.7%
1,1-DICHLORO ETHENE	PID	0.800	20	4.1	16.6	0.8	3.8%	20	4.1	14.2	0.7	11.3%
CIS-1,2-DICHLORO ETHENE	PID	1.03	20	6.6	23.2	1.2	12.6%	20	6.6	19.3	1.0	6.3%
TRANS-1,2-DICHLORO ETHENE	PID	1.86	20	5.1	40.0	2.0	7.5%	20	5.1	34.5	1.7	7.3%
DICHLOROMETHANE	HALL	15.3	20	4.8	344	17.2	12.4%	20	4.8	322	16.1	5.2%
TETRACHLORO ETHENE	PID	0.960	20	12.9	21.2	1.1	10.4%	20	12.9	18.1	0.9	5.7%
1,1,1,2-TETRACHLORO ETHANE	HALL	27.8	20	15.2	610	30.5	9.7%	20	15.2	566	28.3	1.8%
1,1,2,2-TETRACHLORO ETHANE	HALL	23.5	20	18.4	508	25.4	8.1%	20	18.4	487	24.4	3.6%
1,1,1-TRICHLORO ETHANE	HALL	19.1	20	7.4	420	21.0	9.9%	20	7.4	427	21.4	11.8%
1,1,2-TRICHLORO ETHANE	HALL	12.6	20	12.7	291	14.6	15.5%	20	12.7	298	14.9	18.3%
TRICHLORO ETHENE	PID	1.18	20	9.1	25.9	1.3	9.7%	20	9.1	22.0	1.1	6.8%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	HALL	10.7	40	4.1	477	11.9	11.4%	40	4.1	381	9.5	11.0%
BENZENE	PID	2.14	20	8.0	47.7	2.4	11.4%	20	8.0	40.3	2.0	5.8%
CHLOROBENZENE	PID	2.09	20	14.9	47.1	2.4	12.7%	20	14.9	39.4	2.0	5.7%
ETHYLBENZENE	PID	1.71	20	15.2	39.1	2.0	14.3%	20	15.2	32.8	1.6	4.1%
TOLUENE	PID	2.00	20	11.7	44.8	2.2	12.0%	20	11.7	37.6	1.9	6.0%
m&p-XYLENES	PID	2.09	40	15.5	91.2	2.3	9.1%	40	15.5	79.5	2.0	4.9%
o-XYLENE	PID	1.72	20	16.5	39.2	2.0	14.0%	20	16.5	31.8	1.6	7.6%
1,4 DIFLUORO BENZENE	PID	0.780	20	8.6	17.2	0.9	10.3%	20	8.6	14.7	0.7	5.8%
4 BROMOFLUORO BENZENE	PID	1.67	20	17.9	37.7	1.9	12.9%	20	17.9	31.5	1.6	5.7%

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

QA/QC - CALIBRATION DATA

DATE: 09/09/02
HP Labs Project #GF090302T2
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	26.3	20	7.7	580	29	10.3%
CHLOROFORM	HALL	19.6	20	7.1	412	20.6	5.1%
1,1-DICHLORO ETHANE	HALL	18.9	20	5.7	355	18	6.1%
1,2-DICHLORO ETHANE	HALL	20.9	20	8.0	488	24	16.7%
1,1-DICHLORO ETHENE	PID	0.800	20	4.1	14.0	0.7	12.5%
CIS-1,2-DICHLORO ETHENE	PID	1.03	20	6.5	19.0	1.0	7.8%
TRANS-1,2-DICHLORO ETHENE	PID	1.86	20	5.1	33.7	1.7	9.4%
DICHLOROMETHANE	HALL	15.3	20	4.8	310	15.5	1.3%
TETRACHLORO ETHENE	PID	0.960	20	12.9	17.3	0.9	9.9%
1,1,1,2-TETRACHLORO ETHANE	HALL	27.8	20	15.2	531	26.6	4.5%
1,1,2,2-TETRACHLORO ETHANE	HALL	23.5	20	18.3	420	21.0	10.6%
1,1,1-TRICHLORO ETHANE	HALL	19.1	20	7.4	422	21	10.5%
1,1,2-TRICHLORO ETHANE	HALL	12.6	20	12.6	284	14	12.7%
TRICHLORO ETHENE	PID	1.18	20	9.1	21.6	1.1	8.5%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	HALL	10.7	40	4.1	382	10	10.7%
BENZENE	PID	2.14	20	7.9	39.6	2.0	7.5%
CHLOROBENZENE	PID	2.09	20	14.9	38.6	1.9	7.7%
ETHYLBENZENE	PID	1.71	20	15.2	32.0	1.6	6.4%
TOLUENE	PID	2.00	20	11.6	36.7	1.8	8.2%
m&p-XYLENES	PID	2.09	40	15.5	74.5	1.9	10.9%
o-XYLENE	PID	1.72	20	16.5	31.6	1.6	8.1%
1,4 DIFLUORO BENZENE	PID	0.780	20	8.6	14.4	0.7	7.7%
4 BROMOFLUORO BENZENE	PID	1.67	20	17.8	32.0	1.6	4.2%

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

QA/QC CALIBRATION DATA

DATE: 09/10/02
HP Labs Project #GF090302T2
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	26.3	20	7.7	516	25.8	1.9%	20	7.7	524	26.2	0.4%
CHLOROFORM	HALL	19.6	20	7.1	397	19.9	1.3%	20	7.1	392	19.6	0.0%
1,1-DICHLORO ETHANE	HALL	18.9	20	5.8	340	17.0	10.1%	20	5.8	379	19.0	0.3%
1,2-DICHLORO ETHANE	HALL	20.9	20	8.1	439	22.0	5.0%	20	8.1	402	20.1	3.8%
1,1-DICHLORO ETHENE	PID	0.800	20	4.1	14.0	0.7	12.5%	20	4.1	13.7	0.7	14.4%
CIS-1,2-DICHLORO ETHENE	PID	1.03	20	6.6	19.1	1.0	7.3%	20	6.6	18.6	0.9	9.7%
TRANS-1,2-DICHLORO ETHENE	PID	1.86	20	5.1	34.0	1.7	8.6%	20	5.1	33.0	1.7	11.3%
DICHLOROMETHANE	HALL	15.3	20	4.8	315	15.8	2.9%	20	4.8	347	17.4	13.4%
TETRACHLORO ETHENE	PID	0.960	20	12.9	17.7	0.9	7.8%	20	12.9	17.2	0.9	10.4%
1,1,1,2-TETRACHLORO ETHANE	HALL	27.8	20	15.2	598	29.9	7.6%	20	15.2	590	29.5	6.1%
1,1,2,2-TETRACHLORO ETHANE	HALL	23.5	20	18.4	469	23.5	0.2%	20	18.4	519	26.0	10.4%
1,1,1-TRICHLORO ETHANE	HALL	19.1	20	7.4	406	20.3	6.3%	20	7.4	398	19.9	4.2%
1,1,2-TRICHLORO ETHANE	HALL	12.6	20	12.7	271	13.6	7.5%	20	12.7	272	13.6	7.9%
TRICHLORO ETHENE	PID	1.18	20	9.1	21.8	1.1	7.6%	20	9.1	21.3	1.1	9.7%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	HALL	10.7	40	4.1	397	9.9	7.2%	40	4.1	440	11.0	2.8%
BENZENE	PID	2.14	20	8.0	39.9	2.0	6.8%	20	8.0	38.8	1.9	9.3%
CHLOROBENZENE	PID	2.09	20	14.9	39.1	2.0	6.5%	20	14.9	38.1	1.9	8.9%
ETHYLBENZENE	PID	1.71	20	15.2	32.4	1.6	5.3%	20	15.2	31.6	1.6	7.6%
TOLUENE	PID	2.00	20	11.7	37.0	1.9	7.5%	20	11.7	36.2	1.8	9.5%
m&p-XYLENES	PID	2.09	40	15.5	76.0	1.9	9.1%	40	15.5	73.6	1.8	12.0%
o-XYLENE	PID	1.72	20	16.5	32.4	1.6	5.8%	20	16.5	30.5	1.5	11.3%
1,4 DIFLUORO BENZENE	PID	0.780	20	8.6	14.7	0.7	5.8%	20	8.6	14.3	0.7	8.3%
4 BROMOFLUORO BENZENE	PID	1.67	20	17.9	32.6	1.6	2.4%	20	17.9	30.4	1.5	9.0%

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

QA/QC - CALIBRATION DATA

DATE: 09/10/02
HP Labs Project #GF090302T2
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	26.3	20	7.7	510	26	3.0%
CHLOROFORM	HALL	19.6	20	7.1	451	22.6	15.1%
1,1-DICHLORO ETHANE	HALL	18.9	20	5.7	382	19	1.1%
1,2-DICHLORO ETHANE	HALL	20.9	20	8.0	426	21	1.9%
1,1-DICHLORO ETHENE	PID	0.800	20	4.1	13.9	0.7	13.1%
CIS-1,2-DICHLORO ETHENE	PID	1.03	20	6.5	18.9	0.9	8.3%
TRANS-1,2-DICHLORO ETHENE	PID	1.86	20	5.1	33.7	1.7	9.4%
DICHLOROMETHANE	HALL	15.3	20	4.8	335	16.8	9.5%
TETRACHLORO ETHENE	PID	0.960	20	12.9	17.5	0.9	8.9%
1,1,1,2-TETRACHLORO ETHANE	HALL	27.8	20	15.2	610	30.5	9.7%
1,1,2,2-TETRACHLORO ETHANE	HALL	23.5	20	18.3	508	25.4	8.1%
1,1,1-TRICHLORO ETHANE	HALL	19.1	20	7.4	423	21	10.7%
1,1,2-TRICHLORO ETHANE	HALL	12.6	20	12.6	268	13	6.3%
TRICHLORO ETHENE	PID	1.18	20	9.1	21.6	1.1	8.5%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	HALL	10.7	40	4.1	435	11	1.6%
BENZENE	PID	2.14	20	7.9	39.4	2.0	7.9%
CHLOROBENZENE	PID	2.09	20	14.9	38.6	1.9	7.7%
ETHYLBENZENE	PID	1.71	20	15.2	32.3	1.6	5.6%
TOLUENE	PID	2.00	20	11.6	36.8	1.8	8.0%
m&p-XYLENES	PID	2.09	40	15.5	74.5	1.9	10.9%
o-XYLENE	PID	1.72	20	16.5	30.7	1.5	10.8%
1,4 DIFLUORO BENZENE	PID	0.780	20	8.6	14.5	0.7	7.1%
4 BROMOFLUORO BENZENE	PID	1.67	20	17.8	30.4	1.5	9.0%

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

QA/QC CALIBRATION DATA

DATE: 09/11/02
HP Labs Project #GF090302T2
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	26.3	20	7.7	530	26.5	0.8%	20	7.7	466	23.3	11.4%
CHLOROFORM	HALL	19.6	20	7.1	378	18.9	3.6%	20	7.1	359	18.0	8.4%
1,1-DICHLORO ETHANE	HALL	18.9	20	5.8	382	19.1	1.1%	20	5.8	306	15.3	19.0%
1,2-DICHLORO ETHANE	HALL	20.9	20	8.1	448	22.4	7.2%	20	8.1	411	20.6	1.7%
1,1-DICHLORO ETHENE	PID	0.800	20	4.1	14.1	0.7	11.9%	20	4.1	12.8	0.6	20.0%
CIS-1,2-DICHLORO ETHENE	PID	1.03	20	6.6	19.4	1.0	5.8%	20	6.6	17.7	0.9	14.1%
TRANS-1,2-DICHLORO ETHENE	PID	1.86	20	5.1	34.4	1.7	7.5%	20	5.1	31.3	1.6	15.9%
DICHLOROMETHANE	HALL	15.3	20	4.8	335	16.8	9.5%	20	4.8	265	13.3	13.4%
TETRACHLORO ETHENE	PID	0.960	20	12.9	17.8	0.9	7.3%	20	12.9	16.4	0.8	14.6%
1,1,1,2-TETRACHLORO ETHANE	HALL	27.8	20	15.2	576	28.8	3.6%	20	15.2	480	24.0	13.7%
1,1,2,2-TETRACHLORO ETHANE	HALL	23.5	20	18.4	470	23.5	0.0%	20	18.4	415	20.8	11.7%
1,1,1-TRICHLORO ETHANE	HALL	19.1	20	7.4	383	19.2	0.3%	20	7.4	353	17.7	7.6%
1,1,2-TRICHLORO ETHANE	HALL	12.6	20	12.7	272	13.6	7.9%	20	12.7	227	11.4	9.9%
TRICHLORO ETHENE	PID	1.18	20	9.1	22.1	1.1	6.4%	20	9.1	20.3	1.0	14.0%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	HALL	10.7	40	4.1	414	10.4	3.3%	40	4.1	349	8.7	18.5%
BENZENE	PID	2.14	20	8.0	40.5	2.0	5.4%	20	8.0	36.9	1.8	13.8%
CHLOROBENZENE	PID	2.09	20	14.9	39.6	2.0	5.3%	20	14.9	36.2	1.8	13.4%
ETHYLBENZENE	PID	1.71	20	15.2	32.7	1.6	4.4%	20	15.2	29.9	1.5	12.6%
TOLUENE	PID	2.00	20	11.7	37.7	1.9	5.7%	20	11.7	34.3	1.7	14.3%
m&p-XYLENES	PID	2.09	40	15.5	76.2	1.9	8.9%	40	15.5	69.6	1.7	16.7%
o-XYLENE	PID	1.72	20	16.5	31.7	1.6	7.8%	20	16.5	29.2	1.5	15.1%
1,4 DIFLUORO BENZENE	PID	0.780	20	8.6	14.9	0.7	4.5%	20	8.6	14.3	0.7	8.3%
4 BROMOFLUORO BENZENE	PID	1.67	20	17.9	35.0	1.8	4.8%	20	17.9	32.0	1.6	4.2%

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

QA/QC - CALIBRATION DATA

DATE: 09/11/02
HP Labs Project #GF090302T2
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	26.3	20	7.7	501	25	4.8%
CHLOROFORM	HALL	19.6	20	7.1	357	17.9	8.9%
1,1-DICHLORO ETHANE	HALL	18.9	20	5.7	319	16	15.6%
1,2-DICHLORO ETHANE	HALL	20.9	20	8.0	434	22	3.8%
1,1-DICHLORO ETHENE	PID	0.800	20	4.1	13.5	0.7	15.6%
CIS-1,2-DICHLORO ETHENE	PID	1.03	20	6.5	18.6	0.9	9.7%
TRANS-1,2-DICHLORO ETHENE	PID	1.86	20	5.1	32.8	1.6	11.8%
DICHLOROMETHANE	HALL	15.3	20	4.8	288	14.4	5.9%
TETRACHLORO ETHENE	PID	0.960	20	12.9	17.0	0.9	11.5%
1,1,1,2-TETRACHLORO ETHANE	HALL	27.8	20	15.2	480	24.0	13.7%
1,1,2,2-TETRACHLORO ETHANE	HALL	23.5	20	18.3	388	19.4	17.4%
1,1,1-TRICHLORO ETHANE	HALL	19.1	20	7.4	385	19	0.8%
1,1,2-TRICHLORO ETHANE	HALL	12.6	20	12.6	240	12	4.8%
TRICHLORO ETHENE	PID	1.18	20	9.1	21.2	1.1	10.2%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	HALL	10.7	40	4.1	367	9	14.3%
BENZENE	PID	2.14	20	7.9	38.7	1.9	9.6%
CHLOROBENZENE	PID	2.09	20	14.9	38.1	1.9	8.9%
ETHYLBENZENE	PID	1.71	20	15.2	31.7	1.6	7.3%
TOLUENE	PID	2.00	20	11.6	36.0	1.8	10.0%
m&p-XYLENES	PID	2.09	40	15.5	73.5	1.8	12.1%
o-XYLENE	PID	1.72	20	16.5	30.7	1.5	10.8%
1,4 DIFLUORO BENZENE	PID	0.780	20	8.6	14.4	0.7	7.7%
4 BROMOFLUORO BENZENE	PID	1.67	20	17.8	30.7	1.5	8.1%

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

QA/QC CALIBRATION DATA

DATE: 09/12/02
HP Labs Project #GF090302T2
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	26.3	20	7.7	528	26.4	0.4%	20	7.7	557	27.9	5.9%
CHLOROFORM	HALL	19.6	20	7.1	399	20.0	1.8%	20	7.1	396	19.8	1.0%
1,1-DICHLORO ETHANE	HALL	18.9	20	5.8	342	17.1	9.5%	20	5.8	375	18.8	0.8%
1,2-DICHLORO ETHANE	HALL	20.9	20	8.1	469	23.5	12.2%	20	8.1	421	21.1	0.7%
1,1-DICHLORO ETHENE	PID	0.800	20	4.1	13.7	0.7	14.4%	20	4.1	14.9	0.7	6.9%
CIS-1,2-DICHLORO ETHENE	PID	1.03	20	6.6	19.4	1.0	5.8%	20	6.6	19.5	1.0	5.3%
TRANS-1,2-DICHLORO ETHENE	PID	1.86	20	5.1	34.2	1.7	8.1%	20	5.1	35.5	1.8	4.6%
DICHLOROMETHANE	HALL	15.3	20	4.8	320	16.0	4.6%	20	4.8	353	17.7	15.4%
TETRACHLORO ETHENE	PID	0.960	20	12.9	18.1	0.9	5.7%	20	12.9	17.4	0.9	9.4%
1,1,1,2-TETRACHLORO ETHANE	HALL	27.8	20	15.2	545	27.3	2.0%	20	15.2	539	27.0	3.1%
1,1,2,2-TETRACHLORO ETHANE	HALL	23.5	20	18.4	494	24.7	5.1%	20	18.4	475	23.8	1.1%
1,1,1-TRICHLORO ETHANE	HALL	19.1	20	7.4	384	19.2	0.5%	20	7.4	428	21.4	12.0%
1,1,2-TRICHLORO ETHANE	HALL	12.6	20	12.7	256	12.8	1.6%	20	12.7	251	12.6	0.4%
TRICHLORO ETHENE	PID	1.18	20	9.1	22.2	1.1	5.9%	20	9.1	21.7	1.1	8.1%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	HALL	10.7	40	4.1	406	10.2	5.1%	40	4.1	469	11.7	9.6%
BENZENE	PID	2.14	20	8.0	40.4	2.0	5.6%	20	8.0	39.4	2.0	7.9%
CHLOROBENZENE	PID	2.09	20	14.9	40.0	2.0	4.3%	20	14.9	36.5	1.8	12.7%
ETHYLBENZENE	PID	1.71	20	15.2	33.2	1.7	2.9%	20	15.2	31.6	1.6	7.6%
TOLUENE	PID	2.00	20	11.7	37.9	1.9	5.3%	20	11.7	36.2	1.8	9.5%
m&p-XYLENES	PID	2.09	40	15.5	77.4	1.9	7.4%	40	15.5	73.4	1.8	12.2%
o-XYLENE	PID	1.72	20	16.5	32.3	1.6	6.1%	20	16.5	30.4	1.5	11.6%
1,4 DIFLUORO BENZENE	PID	0.780	20	8.6	14.9	0.7	4.5%	20	8.6	14.7	0.7	5.8%
4 BROMOFLUORO BENZENE	PID	1.67	20	17.9	31.8	1.6	4.8%	20	17.9	31.3	1.6	6.3%

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

QA/QC - CALIBRATION DATA

DATE: 09/12/02
HP Labs Project #GF090302T2
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	26.3	20	7.7	502	25	4.6%
CHLOROFORM	HALL	19.6	20	7.1	388	19.4	1.0%
1,1-DICHLORO ETHANE	HALL	18.9	20	5.7	338	17	10.6%
1,2-DICHLORO ETHANE	HALL	20.9	20	8.0	426	21	1.9%
1,1-DICHLORO ETHENE	PID	0.800	20	4.1	13.8	0.7	13.8%
CIS-1,2-DICHLORO ETHENE	PID	1.03	20	6.5	19.4	1.0	5.8%
TRANS-1,2-DICHLORO ETHENE	PID	1.86	20	5.1	34.1	1.7	8.3%
DICHLOROMETHANE	HALL	15.3	20	4.8	318	15.9	3.9%
TETRACHLORO ETHENE	PID	0.960	20	12.9	18.1	0.9	5.7%
1,1,1,2-TETRACHLORO ETHANE	HALL	27.8	20	15.2	522	26.1	6.1%
1,1,2,2-TETRACHLORO ETHANE	HALL	23.5	20	18.3	443	22.2	5.7%
1,1,1-TRICHLORO ETHANE	HALL	19.1	20	7.4	391	20	2.4%
1,1,2-TRICHLORO ETHANE	HALL	12.6	20	12.6	302	15	19.8%
TRICHLORO ETHENE	PID	1.18	20	9.1	22.2	1.1	5.9%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	HALL	10.7	40	4.1	400	10	6.5%
BENZENE	PID	2.14	20	7.9	40.5	2.0	5.4%
CHLOROBENZENE	PID	2.09	20	14.9	40.0	2.0	4.3%
ETHYLBENZENE	PID	1.71	20	15.2	33.3	1.7	2.6%
TOLUENE	PID	2.00	20	11.6	37.6	1.9	6.0%
m&p-XYLENES	PID	2.09	40	15.5	77.5	1.9	7.3%
o-XYLENE	PID	1.72	20	16.5	32.5	1.6	5.5%
1,4 DIFLUORO BENZENE	PID	0.780	20	8.6	15.0	0.8	3.8%
4 BROMOFLUORO BENZENE	PID	1.67	20	17.8	32.1	1.6	3.9%

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

QA/QC CALIBRATION DATA

DATE: 09/13/02
HP Labs Project #GF090302T2
TIOGA 2

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

COMPOUND	DETECTOR	AVE RF	OPENING STANDARD					CLOSING STANDARD				
			MASS	RT	AREA	RF	%DIFF	MASS	RT	AREA	RF	%DIFF
CARBON TETRACHLORIDE	HALL	26.3	20	7.7	507	25.4	3.6%	20	7.7	465	23.3	11.6%
CHLOROFORM	HALL	19.6	20	7.1	392	19.6	0.0%	20	7.1	377	18.9	3.8%
1,1-DICHLORO ETHANE	HALL	18.9	20	5.8	340	17.0	10.1%	20	5.8	312	15.6	17.5%
1,2-DICHLORO ETHANE	HALL	20.9	20	8.1	460	23.0	10.0%	20	8.1	418	20.9	0.0%
1,1-DICHLORO ETHENE	PID	0.800	20	4.1	13.6	0.7	15.0%	20	4.1	13.3	0.7	16.9%
CIS-1,2-DICHLORO ETHENE	PID	1.03	20	6.6	18.6	0.9	9.7%	20	6.6	18.9	0.9	8.3%
TRANS-1,2-DICHLORO ETHENE	PID	1.86	20	5.1	32.8	1.6	11.8%	20	5.1	33.1	1.7	11.0%
DICHLOROMETHANE	HALL	15.3	20	4.8	333	16.7	8.8%	20	4.8	282	14.1	7.8%
TETRACHLORO ETHENE	PID	0.960	20	12.9	17.3	0.9	9.9%	20	12.9	17.8	0.9	7.3%
1,1,1,2-TETRACHLORO ETHANE	HALL	27.8	20	15.2	485	24.3	12.8%	20	15.2	503	25.2	9.5%
1,1,2,2-TETRACHLORO ETHANE	HALL	23.5	20	18.4	437	21.9	7.0%	20	18.4	439	22.0	6.6%
1,1,1-TRICHLORO ETHANE	HALL	19.1	20	7.4	381	19.1	0.3%	20	7.4	346	17.3	9.4%
1,1,2-TRICHLORO ETHANE	HALL	12.6	20	12.7	271	13.6	7.5%	20	12.7	270	13.5	7.1%
TRICHLORO ETHENE	PID	1.18	20	9.1	21.4	1.1	9.3%	20	9.1	21.8	1.1	7.6%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	HALL	10.7	40	4.1	421	10.5	1.6%	40	4.1	333	8.3	22.2%
BENZENE	PID	2.14	20	8.0	38.9	1.9	9.1%	20	8.0	39.6	2.0	7.5%
CHLOROBENZENE	PID	2.09	20	14.9	38.3	1.9	8.4%	20	14.9	39.2	2.0	6.2%
ETHYLBENZENE	PID	1.71	20	15.2	31.6	1.6	7.6%	20	15.2	32.4	1.6	5.3%
TOLUENE	PID	2.00	20	11.7	36.2	1.8	9.5%	20	11.7	37.1	1.9	7.3%
m&p-XYLENES	PID	2.09	40	15.5	74.2	1.9	11.2%	40	15.5	75.7	1.9	9.4%
o-XYLENE	PID	1.72	20	16.5	30.5	1.5	11.3%	20	16.5	31.8	1.6	7.6%
1,4 DIFLUORO BENZENE	PID	0.780	20	8.6	14.3	0.7	8.3%	20	8.6	14.6	0.7	6.4%
4 BROMOFLUORO BENZENE	PID	1.67	20	17.9	30.4	1.5	9.0%	20	17.9	31.6	1.6	5.4%

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

QA/QC CALIBRATION DATA

DATE: 09/16/02
HP Labs Project #GF090302T2
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	26.3	20	7.7	523	26.2	0.6%	20	7.7	503	25.2	4.4%
CHLOROFORM	HALL	19.6	20	7.1	405	20.3	3.3%	20	7.1	373	18.7	4.8%
1,1-DICHLORO ETHANE	HALL	18.9	20	5.8	394	19.7	4.2%	20	5.8	370	18.5	2.1%
1,2-DICHLORO ETHANE	HALL	20.9	20	8.1	457	22.9	9.3%	20	8.1	390	19.5	6.7%
1,1-DICHLORO ETHENE	PID	0.800	20	4.1	13.7	0.7	14.4%	20	4.1	14.8	0.7	7.5%
CIS-1,2-DICHLORO ETHENE	PID	1.03	20	6.6	18.8	0.9	8.7%	20	6.6	18.7	0.9	9.2%
TRANS-1,2-DICHLORO ETHENE	PID	1.86	20	5.1	33.0	1.7	11.3%	20	5.1	34.5	1.7	7.3%
DICHLOROMETHANE	HALL	15.3	20	4.8	341	17.1	11.4%	20	4.8	367	18.4	19.9%
TETRACHLORO ETHENE	PID	0.960	20	12.9	17.4	0.9	9.4%	20	12.9	16.7	0.8	13.0%
1,1,1,2-TETRACHLORO ETHANE	HALL	27.8	20	15.2	602	30.1	8.3%	20	15.2	648	32.4	16.5%
1,1,2,2-TETRACHLORO ETHANE	HALL	23.5	20	18.4	513	25.7	9.1%	20	18.4	487	24.4	3.6%
1,1,1-TRICHLORO ETHANE	HALL	19.1	20	7.4	382	19.1	0.0%	20	7.4	371	18.6	2.9%
1,1,2-TRICHLORO ETHANE	HALL	12.6	20	12.7	291	14.6	15.5%	20	12.7	263	13.2	4.4%
TRICHLORO ETHENE	PID	1.18	20	9.1	21.6	1.1	8.5%	20	9.1	21.3	1.1	9.7%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	HALL	10.7	40	4.1	442	11.1	3.3%	40	4.1	470	11.8	9.8%
BENZENE	PID	2.14	20	8.0	38.9	1.9	9.1%	20	8.0	38.1	1.9	11.0%
CHLOROBENZENE	PID	2.09	20	14.9	38.4	1.9	8.1%	20	14.9	35.3	1.8	15.6%
ETHYLBENZENE	PID	1.71	20	15.2	31.9	1.6	6.7%	20	15.2	30.5	1.5	10.8%
TOLUENE	PID	2.00	20	11.7	36.3	1.8	9.3%	20	11.7	35.0	1.8	12.5%
m&p-XYLENES	PID	2.09	40	15.5	74.6	1.9	10.8%	40	15.5	71.0	1.8	15.1%
o-XYLENE	PID	1.72	20	16.5	30.9	1.5	10.2%	20	16.5	29.4	1.5	14.5%
1,4 DIFLUORO BENZENE	PID	0.780	20	8.6	14.4	0.7	7.7%	20	8.6	14.4	0.7	7.7%
4 BROMOFLUORO BENZENE	PID	1.67	20	17.9	30.8	1.5	7.8%	20	17.9	30.2	1.5	9.6%

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

QA/QC CALIBRATION DATA

DATE: 09/17/02
HP Labs Project #GF090302T2
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	26.3	20	7.7	497	24.9	5.5%	20	7.7	545	27.3	3.6%
CHLOROFORM	HALL	19.6	20	7.1	368	18.4	6.1%	20	7.1	410	20.5	4.6%
1,1-DICHLORO ETHANE	HALL	18.9	20	5.8	342	17.1	9.5%	20	5.8	343	17.2	9.3%
1,2-DICHLORO ETHANE	HALL	20.9	20	8.1	440	22.0	5.3%	20	8.1	418	20.9	0.0%
1,1-DICHLORO ETHENE	PID	0.800	20	4.1	14.2	0.7	11.3%	20	4.1	14.5	0.7	9.4%
CIS-1,2-DICHLORO ETHENE	PID	1.03	20	6.6	19.1	1.0	7.3%	20	6.6	18.8	0.9	8.7%
TRANS-1,2-DICHLORO ETHENE	PID	1.86	20	5.1	33.4	1.7	10.2%	20	5.1	34.8	1.7	6.5%
DICHLOROMETHANE	HALL	15.3	20	4.8	332	16.6	8.5%	20	4.8	340	17.0	11.1%
TETRACHLORO ETHENE	PID	0.960	20	12.9	17.7	0.9	7.8%	20	12.9	16.9	0.8	12.0%
1,1,1,2-TETRACHLORO ETHANE	HALL	27.8	20	15.2	608	30.4	9.4%	20	15.2	566	28.3	1.8%
1,1,2,2-TETRACHLORO ETHANE	HALL	23.5	20	18.4	502	25.1	6.8%	20	18.4	491	24.6	4.5%
1,1,1-TRICHLORO ETHANE	HALL	19.1	20	7.4	396	19.8	3.7%	20	7.4	446	22.3	16.8%
1,1,2-TRICHLORO ETHANE	HALL	12.6	20	12.7	277	13.9	9.9%	20	12.7	262	13.1	4.0%
TRICHLORO ETHENE	PID	1.18	20	9.1	22.0	1.1	6.8%	20	9.1	21.4	1.1	9.3%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	HALL	10.7	40	4.1	432	10.8	0.9%	40	4.1	438	11.0	2.3%
BENZENE	PID	2.14	20	8.0	39.8	2.0	7.0%	20	8.0	38.8	1.9	9.3%
CHLOROBENZENE	PID	2.09	20	14.9	39.6	2.0	5.3%	20	14.9	35.9	1.8	14.1%
ETHYLBENZENE	PID	1.71	20	15.2	32.9	1.6	3.8%	20	15.2	31.0	1.6	9.4%
TOLUENE	PID	2.00	20	11.7	37.2	1.9	7.0%	20	11.7	35.5	1.8	11.3%
m&p-XYLENES	PID	2.09	40	15.5	76.5	1.9	8.5%	40	15.5	72.3	1.8	13.5%
o-XYLENE	PID	1.72	20	16.5	31.9	1.6	7.3%	20	16.5	30.4	1.5	11.6%
1,4 DIFLUORO BENZENE	PID	0.780	20	8.6	14.8	0.7	5.1%	20	8.6	14.4	0.7	7.7%
4 BROMOFLUORO BENZENE	PID	1.67	20	17.9	30.9	1.5	7.5%	20	17.9	30.8	1.5	7.8%

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

QA/QC - CALIBRATION DATA

DATE: 09/17/02
HP Labs Project #GF090302T2
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	26.3	20	7.7	573	29	8.9%
CHLOROFORM	HALL	19.6	20	7.1	405	20.3	3.3%
1,1-DICHLORO ETHANE	HALL	18.9	20	5.7	354	18	6.3%
1,2-DICHLORO ETHANE	HALL	20.9	20	8.0	475	24	13.6%
1,1-DICHLORO ETHENE	PID	0.800	20	4.1	14.4	0.7	10.0%
CIS-1,2-DICHLORO ETHENE	PID	1.03	20	6.5	18.5	0.9	10.2%
TRANS-1,2-DICHLORO ETHENE	PID	1.86	20	5.1	34.3	1.7	7.8%
DICHLOROMETHANE	HALL	15.3	20	4.8	345	17.3	12.7%
TETRACHLORO ETHENE	PID	0.960	20	12.9	16.6	0.8	13.5%
1,1,1,2-TETRACHLORO ETHANE	HALL	27.8	20	15.2	564	28.2	1.4%
1,1,2,2-TETRACHLORO ETHANE	HALL	23.5	20	18.3	450	22.5	4.3%
1,1,1-TRICHLORO ETHANE	HALL	19.1	20	7.4	421	21	10.2%
1,1,2-TRICHLORO ETHANE	HALL	12.6	20	12.6	241	12	4.4%
TRICHLORO ETHENE	PID	1.18	20	9.1	21.0	1.1	11.0%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	HALL	10.7	40	4.1	440	11	2.8%
BENZENE	PID	2.14	20	7.9	38.0	1.9	11.2%
CHLOROBENZENE	PID	2.09	20	14.9	35.2	1.8	15.8%
ETHYLBENZENE	PID	1.71	20	15.2	30.4	1.5	11.1%
TOLUENE	PID	2.00	20	11.6	34.9	1.7	12.8%
m&p-XYLENES	PID	2.09	40	15.5	70.9	1.8	15.2%
o-XYLENE	PID	1.72	20	16.5	29.5	1.5	14.2%
1,4 DIFLUORO BENZENE	PID	0.780	20	8.6	14.3	0.7	8.3%
4 BROMOFLUORO BENZENE	PID	1.67	20	17.8	31.5	1.6	5.7%

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

QA/QC CALIBRATION DATA

DATE: 09/18/02
HP Labs Project #GF090302T2
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	26.3	20	7.7	516	25.8	1.9%	20	7.7	528	26.4	0.4%
CHLOROFORM	HALL	19.6	20	7.1	386	19.3	1.5%	20	7.1	383	19.2	2.3%
1,1-DICHLORO ETHANE	HALL	18.9	20	5.8	349	17.5	7.7%	20	5.8	375	18.8	0.8%
1,2-DICHLORO ETHANE	HALL	20.9	20	8.1	459	23.0	9.8%	20	8.1	438	21.9	4.8%
1,1-DICHLORO ETHENE	PID	0.800	20	4.1	13.8	0.7	13.8%	20	4.1	13.5	0.7	15.6%
CIS-1,2-DICHLORO ETHENE	PID	1.03	20	6.6	19.7	1.0	4.4%	20	6.6	18.0	0.9	12.6%
TRANS-1,2-DICHLORO ETHENE	PID	1.86	20	5.1	34.4	1.7	7.5%	20	5.1	32.5	1.6	12.6%
DICHLOROMETHANE	HALL	15.3	20	4.8	317	15.9	3.6%	20	4.8	336	16.8	9.8%
TETRACHLORO ETHENE	PID	0.960	20	12.9	18.1	0.9	5.7%	20	12.9	16.4	0.8	14.6%
1,1,1,2-TETRACHLORO ETHANE	HALL	27.8	20	15.2	628	31.4	12.9%	20	15.2	540	27.0	2.9%
1,1,2,2-TETRACHLORO ETHANE	HALL	23.5	20	18.4	431	21.6	8.3%	20	18.4	399	20.0	15.1%
1,1,1-TRICHLORO ETHANE	HALL	19.1	20	7.4	399	20.0	4.5%	20	7.4	400	20.0	4.7%
1,1,2-TRICHLORO ETHANE	HALL	12.6	20	12.7	287	14.4	13.9%	20	12.7	251	12.6	0.4%
TRICHLORO ETHENE	PID	1.18	20	9.1	22.4	1.1	5.1%	20	9.1	20.6	1.0	12.7%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	HALL	10.7	40	4.1	415	10.4	3.0%	40	4.1	404	10.1	5.6%
BENZENE	PID	2.14	20	8.0	40.7	2.0	4.9%	20	8.0	37.2	1.9	13.1%
CHLOROBENZENE	PID	2.09	20	14.9	40.2	2.0	3.8%	20	14.9	34.3	1.7	17.9%
ETHYLBENZENE	PID	1.71	20	15.2	33.1	1.7	3.2%	20	15.2	29.8	1.5	12.9%
TOLUENE	PID	2.00	20	11.7	37.8	1.9	5.5%	20	11.7	34.3	1.7	14.3%
m&p-XYLENES	PID	2.09	40	15.5	77.5	1.9	7.3%	40	15.5	69.2	1.7	17.2%
o-XYLENE	PID	1.72	20	16.5	32.8	1.6	4.7%	20	16.5	28.6	1.4	16.9%
1,4 DIFLUORO BENZENE	PID	0.780	20	8.6	15.0	0.8	3.8%	20	8.6	14.4	0.7	7.7%
4 BROMOFLUORO BENZENE	PID	1.67	20	17.9	37.2	1.9	11.4%	20	17.9	30.7	1.5	8.1%

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