

**APPENDIX B-1:**  
**RESULTS OF SOIL VAPOR ANALYSES**

MAR 01 2004



February 25, 2004

Mr. Scott Brehmer  
Geofon  
22632 Golden Springs Drive, Suite 270  
Diamond Bar, CA 91765

**Subject: Data Report - Jet Propulsion Laboratory - 4800 Oak Drive,  
Pasadena, CA - Geofon Project #04-4428.10**

H&P Mobile GeoChemistry Project # GF020204-L6

Mr. Brehmer:

Please find enclosed a data report for the above referenced location. Soil vapor samples were analyzed on-site in DOHS certified mobile laboratory (Cert#1561).

#### **Project Summary**

Soil vapor from 10 points was analyzed for:

- Halogenated and volatile aromatic hydrocarbons by EPA Method 8260B

The samples were received on-site in appropriate containers with appropriate labels, seals, and chain-of-custody documentation.

#### **Project Narrative**

The results for all analyses and required QA/QC analyses are summarized in the enclosed tables. All calibrations, blanks, surrogates, and spike recoveries fulfill quality control criteria. No data qualifiers (flags) apply to any of the reported data.

H&P Mobile GeoChemistry appreciates the opportunity to provide analytical services to Geofon on this project. If you have any questions relating to this data or report, please do not hesitate to contact us.

Sincerely

A handwritten signature in cursive script that reads "Rebecca Johnson".

Ms. Rebecca Johnson

GECON PROJECT # 04-4428.10  
 JET PROPULSION LABORATORY  
 4800 OAK GROVE DRIVE  
 PASADENA, CA

H&P Mobile GeoChemistry Project #GFD02004-L6  
 INSTRUMENT: ADILENT 6850 GC / 5973 MASS SPECTROMETER  
 VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8260) ANALYSES OF SOIL VAPOR  
 SOIL VAPOR DATA IN UGL-VAPOR

DATE	AMBIENT SW0037-WP3									
	SW0037-001	SW0037-002	SW0037-003	SW0037-004	SW0037-005	SW0037-006	SW0037-007	SW0037-008	SW0037-009	SW0037-010 Dup
ANALYSIS TIME	02/02/04	02/02/04	02/02/04	02/02/04	02/02/04	02/02/04	02/02/04	02/02/04	02/02/04	02/02/04
SAMPLING DEPTH (ft)	7.07	7.56	8.23	8.50	8.17	9.44	10.11	10.38	11.05	11.32
VOLUME WITHDRAWN (cc)	--	185	35	55	85	105	120	155	20	56
VOLUME INJECTED	20	20	200	280	400	480	540	680	140	344
DILUTION FACTOR	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
CARBON TETRACHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,2-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TETRACHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
VINYL CHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLOROFLUOROMETHANE (FR11)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLOROFLUOROMETHANE (FR12)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLOROETHANE (FR113)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
BENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
ETHYLBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TOLUENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
m,p-XYLENES	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
o-XYLENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SURROGATES (75-125% RECOVERY)	96%	100%	99%	96%	102%	100%	100%	96%	96%	100%
DIBROMOFLUOROMETHANE	95%	90%	95%	95%	94%	94%	95%	95%	94%	96%
1,2-DICHLOROETHANE-44	92%	90%	95%	95%	94%	96%	92%	91%	94%	93%
4-BROMOFLURO BENZENE										

ND INDICATES NOT DETECTED AT A DETECTION LIMIT OF 1.0 UG/L-VAPOR FOR EACH COMPOUND  
 ANALYSES PERFORMED ON-SITE IN CA DCHS MOBILE LABORATORY #1581  
 ANALYSES PERFORMED BY: TAMARA DAVIS  
 DATA REVIEWED BY: TAMARA DAVIS

APR 21 2004

April 16, 2004

MOBILE GEOCHEMISTRY

H&P

Mr. Jay Robinson  
Geofon  
22632 Golden Springs Drive  
Suite 270  
Diamond Bar, CA 91765

**SUBJECT: DATA REPORT – JET PROPULSION LAB – 4800 OAK GROVE DRIVE –  
PASADENA, CA - GEOFON PROJECT #04-4428.10 JPL#2**

HP Labs Project # GF040604-L6

Mr. Robinson:

Please find enclosed a data report for the above referenced location. Soil vapor samples were analyzed on-site in DOHS certified mobile laboratory (CERT #1561).

#### **Project Summary**

Soil vapor from 41 points was analyzed for:

- volatile halogenated hydrocarbons by EPA Method 8260B
- volatile aromatic hydrocarbons (BTEX) by EPA Method 8260B

The samples were received on-site in appropriate containers with appropriate labels, seals, and chain-of-custody documentation.

#### **Project Narrative**

The results for all analyses and required QA/QC analyses are summarized in the enclosed tables. All calibrations, blanks, surrogates, and spike recoveries fulfill quality control criteria. No data qualifiers (flags) apply to any of the reported data.

H&P Mobile Geochemistry appreciates the opportunity to provide analytical services to Geofon on this project. If you have any questions relating to this data or report, please do not hesitate to contact us.

Sincerely,



Ms. Tamara Davis  
Lab Director

432 North Cedros Avenue, Solana Beach, California 92075 | 858 793.0401 — Fax 858 793.0404  
148 South Vinewood Street, Escondido, California 92029 | 760 735.3208 — Fax 760 735.2469  
2373 208th Street, Suite F-1, Torrance, California 90501 | 310 782.2929 — Fax 310 782.2798  
www.HandPmg.com | 1-800-834-9888

GEOPON PROJECT # 04-12812  
 JET PROPULSION LABORATORY  
 4800 OAK GROVE DRIVE  
 PASADENA, CA

HP Labs Project #GF040604-L6  
 INSTRUMENT: AGILENT 6450 GC / 5973 MASS SPECTROMETER  
 VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8260) ANALYSES OF SOIL VAPOR  
 SOIL VAPOR DATA IN UGL-VAPOR

	AMBIENT	SWW33- VPD-001	SWW33- VPE-002	SWW33- VPF-003	SWW17- VPC-004	SWW4- VPB-005	SWW4- VPD-006	SWW37- VPB-007	SWW37- VPD-008	SWW37- VPE-009	SWW37- VPD Dup
DATE	04/06/04	04/06/04	04/06/04	04/06/04	04/06/04	04/06/04	04/06/04	04/06/04	04/06/04	04/06/04	04/06/04
ANALYSIS TIME	6:47	7:42	8:07	8:34	8:59	9:25	9:52	10:18	10:45	11:14	11:40
SAMPLING DEPTH (feet)	-	85	105	120	36	20	56	40	80	100	100
VOLUME WITHDRAWN (cc)	-	400	480	540	204	140	284	220	380	460	520
VOLUME INJECTED	20	20	20	20	20	20	20	20	20	20	20
DILUTION FACTOR	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
CARBON TETRACHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,2-DICHLORO ETHANE	nd	nd	nd	nd	7.8	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHENE	nd	nd	1.0	nd	nd	nd	nd	nd	nd	nd	nd
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TETRACHLORO ETHENE	nd	nd	nd	nd	5.0	nd	nd	nd	nd	nd	nd
1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLORO ETHENE	nd	nd	nd	nd	1.9	24	14	nd	nd	nd	nd
VINYL CHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLOROFUOROMETHANE (FR11)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLORODIFLUOROMETHANE (FR12)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
BENZENE	nd	nd	nd	nd	76	nd	nd	nd	nd	nd	nd
CHLOROBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
ETHYLBENZENE	nd	nd	nd	nd	2.9	nd	nd	nd	nd	nd	nd
TOLUENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
m&p-XYLENES	nd	nd	nd	nd	11	nd	nd	nd	nd	nd	nd
e-XYLENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SURROGATES (75-125% RECOVERY)											
DEBROMODIFLUOROMETHANE	112%	114%	113%	117%	91%	110%	112%	117%	117%	118%	121%
1,2-DICHLOROETHANE-d4	104%	105%	103%	105%	85%	101%	105%	107%	105%	107%	111%
4-BROMOFLURO BENZENE	98%	99%	95%	96%	99%	98%	99%	93%	93%	96%	94%

ND INDICATES NOT DETECTED AT A DETECTION LIMIT OF 1.0 UG/L-VAPOR FOR EACH COMPOUND  
 ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #1561  
 ANALYSES PERFORMED BY: MARK BURKE  
 DATA REVIEWED BY: TAMARA DAVIS

GEOPON PROJECT # 04-12812  
 JET PROPULSION LABORATORY  
 4800 OAK GROVE DRIVE  
 PASADENA, CA

HP Labs Project #GF040604-L6  
 INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER  
 VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8260) ANALYSES OF SOIL VAPOR  
 SOIL VAPOR DATA IN UG/L-VAPOR

DATE	AMBIENT		SVW27-VPF-SVW27-VPJ		SVW27-VPF-SVW27-VPK		SVW27-VPF-SVW27-VPK		SVW27-VPF-SVW27-VPK		SVW27-VPF-SVW27-VPK	
	04/07/04	04/07/04	04/07/04	04/07/04	04/07/04	04/07/04	04/07/04	04/07/04	04/07/04	04/07/04	04/07/04	04/07/04
ANALYSIS TIME	6:43	7:24	8:22	8:49	9:15	9:41	10:07	10:34	11:00	11:27	12:40	13:07
SAMPLING DEPTH (feet)	--	155	170	185	20	35	60	100	120	140	180	180
VOLUME WITHDRAWN (cc)	--	690	740	800	140	300	400	460	540	620	780	840
VOLUME INJECTED	20	20	20	20	20	20	20	20	20	20	20	20
DILUTION FACTOR	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
CARBON TETRACHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TETRACHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
VINYL CHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLOROFLUOROMETHANE (FR11)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLORODIFLUOROMETHANE (FR12)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLOROFLUOROETHANE (FR113)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
BENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
ETHYLBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TOLUENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
m,p-XYLENES	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
o-XYLENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SUBROGATES (75-125% RECOVERY)												
DIBROMODIFLUOROMETHANE	110%	110%	112%	117%	117%	119%	121%	122%	121%	121%	115%	118%
1,2-DICHLOROETHANE-d4	100%	103%	100%	106%	106%	106%	110%	105%	109%	116%	103%	106%
4-BROMOFLUORO BENZENE	96%	101%	98%	93%	96%	97%	94%	95%	94%	92%	92%	92%

ND INDICATES NOT DETECTED AT A DETECTION LIMIT OF 1.0 UG/L-VAPOR FOR EACH COMPOUND  
 ANALYSES PERFORMED ON-SITE IN CA DCHS MOBILE LABORATORY #1561  
 ANALYSES PERFORMED BY: MARK BURKE  
 DATA REVIEWED BY: TAMARA DAVIS

GEOFFON PROJECT # 04-12812  
 JET PROPULSION LABORATORY  
 4800 OAK GROVE DRIVE  
 PASADENA, CA

HP Labs Project #GF040604-L6  
 INSTRUMENT: AGILENT 6890 GC / 5973 MASS SPECTROMETER  
 VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8260) ANALYSES OF SOIL VAPOR  
 SOIL VAPOR DATA IN UGL-VAPOR

	AMBIENT	SVW35- VPE-023	SVW35- VPI-024	SVW35- VPD-025	SVW35- VPF-026	SVW35- VPJ-027	SVW35- VPE-028	SVW35- VPF-029	SVW35- VPG-030	SVW35- VPI-031	SVW35- VPI-032 Dup
DATE	04/08/04	04/08/04	04/08/04	04/08/04	04/08/04	04/08/04	04/08/04	04/08/04	04/08/04	04/08/04	04/08/04
ANALYSIS TIME	6:40	7:24	7:50	8:16	9:10	9:37	10:05	10:32	11:00	11:27	11:53
SAMPLING DEPTH (feet)	-	80	140	80	110	170	85	100	110	130	130
VOLUME WITHDRAWN (cc)	-	380	620	380	500	740	400	460	500	560	640
VOLUME INJECTED	20	20	20	20	20	20	20	20	20	20	20
DILUTION FACTOR	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
CARBON TETRACHLORIDE	nd	nd	nd	nd	nd	nd	nd	2.3	nd	nd	nd
CHLOROETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,2-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TETRACHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLORO ETHENE	nd	nd	nd	nd	nd	nd	1.1	4.4	nd	nd	nd
VINYL CHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLOROFLUOROMETHANE (FR11)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLOROFLUOROMETHANE (FR12)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLOROETHANE (FR113)	nd	nd	1.2	nd	nd	nd	8.1	9.2	nd	nd	nd
BENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
ETHYLBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TOLUENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
m&p-XYLENES	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
o-XYLENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SURROGATES (75-125% RECOVERY)											
DIBROMOFLUOROMETHANE	111%	112%	112%	115%	114%	114%	116%	118%	120%	116%	116%
1,2-DICHLOROETHANE-44	104%	100%	101%	105%	103%	106%	105%	105%	106%	107%	110%
4-BROMOFLUORO BENZENE	97%	95%	98%	97%	96%	100%	98%	95%	97%	95%	93%

ND INDICATES NOT DETECTED AT A DETECTION LIMIT OF 1.0 UGL-VAPOR FOR EACH COMPOUND  
 ANALYSES PERFORMED ON-SITE IN CA DONS MOBILE LABORATORY #1561  
 ANALYSES PERFORMED BY: MARK BURKE  
 DATA REVIEWED BY: TAMARA DAVIS

GEOFON PROJECT # 04-12812  
 JET PROPULSION LABORATORY  
 4800 OAK GROVE DRIVE  
 PASADENA, CA

HP Labs Project #0F040604-L6  
 INSTRUMENT: AGILENT 6890 GC / 5973 MASS SPECTROMETER  
 VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8260) ANALYSES OF SOIL VAPOR  
 SOIL VAPOR DATA IN UGL-VAPOR

DATE	AMBIENT	SVW29- VPF-033	SVW26- VPG-034	SVW26- VPH-035	SVW36- VPA-036	SVW36- VPB-037	SVW36- VPC-038	SVW36- VPD-039	SVW36- VPE-040	SVW36- VPF-041
	04/09/04	04/09/04	04/09/04	04/09/04	04/09/04	04/09/04	04/09/04	04/09/04	04/09/04	04/09/04
ANALYSIS TIME	6:30	7:22	7:48	8:14	8:40	9:06	9:33	10:00	10:27	10:54
SAMPLING DEPTH (feet)	-	115	140	160	20	35	55	75	92	92
VOLUME WITHDRAWN (cc)	-	520	620	700	140	200	280	300	428	488
VOLUME INJECTED	20	20	20	20	20	20	20	20	20	20
DILUTION FACTOR	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
CARBON TETRACHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,2-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TETRACHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
VINYL CHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLOROFLUOROMETHANE (FR11)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLOROFLUOROMETHANE (FR12)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLOROETHANE (FR113)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
BENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
ETHYLBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TOLUENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
m&p-XYLENES	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
o-XYLENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SURROGATES (75-125% RECOVERY)										
DIBROMOFLUOROMETHANE	108%	111%	112%	114%	116%	118%	119%	119%	121%	120%
1,2-DICHLOROETHANE-d4	100%	102%	104%	106%	107%	107%	108%	110%	111%	113%
4-BROMOFLUORO BENZENE	97%	96%	96%	95%	96%	97%	97%	96%	92%	95%

ND INDICATES NOT DETECTED AT A DETECTION LIMIT OF 1.0 UGL-VAPOR FOR EACH COMPOUND  
 ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #1561  
 ANALYSES PERFORMED BY: MARK BURKE  
 DATA REVIEWED BY: TAMARA DAVIS

JUL 26 2004



July 20, 2004

Mr. Jay Robinson  
Geofon  
22632 Golden Springs Drive  
Suite 270  
Diamond Bar, CA 91765

**SUBJECT: DATA REPORT – JET PROPULSION LAB – 4800 OAK GROVE DRIVE –  
PASADENA, CA - GEOFON PROJECT #4-12812 JPL#2**

HP Labs Project # GF071404-L6

Mr. Robinson:

Please find enclosed a data report for the above referenced location. Soil vapor samples were analyzed on-site in DOHS certified mobile laboratory (CERT #2579).

### **Project Summary**

Soil vapor from 10 points was analyzed for:

- volatile halogenated hydrocarbons by EPA Method 8260B
- volatile aromatic hydrocarbons (BTEX) by EPA Method 8260B

The samples were received on-site in appropriate containers with appropriate labels, seals, and chain-of-custody documentation.

### **Project Narrative**

The results for all analyses and required QA/QC analyses are summarized in the enclosed tables. All calibrations, blanks, surrogates, and spike recoveries fulfill quality control criteria. No data qualifiers (flags) apply to any of the reported data.

HP Labs appreciates the opportunity to provide analytical services to Geofon on this project. If you have any questions relating to this data or report, please do not hesitate to contact us.

Sincerely,

A handwritten signature in cursive script that reads "Tamara Davis".

Ms. Tamara Davis  
Lab Director

432 North Cedros Avenue, Solana Beach, California 92075 | 858 793.0401 — Fax 858 793.0404  
148 South Vinewood Street, Escondido, California 92029 | 760 735.3208 — Fax 760 735.2469  
2373 208th Street, Suite F-1, Torrance, California 90501 | 310 782.2929 — Fax 310 782.2798  
www.HandPmg.com | 1-800-834-9888

GEFCON PROJECT # 4-12812  
 JET PROPULSION LABORATORY  
 4800 OAK GROVE DRIVE  
 PASADENA, CA

HP Labs Project#RF071404-L6  
 PRELIMINARY DATA

INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER  
 VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8260) ANALYSES OF SOIL VAPOR  
 SOIL VAPOR DATA IN UGL-VAPOR

DATE	AMBIENT										
	SVW33- VPJ-001	SVW33- VPJ-002	SVW4- VPB-003	SVW4- VPO-004	SVW17- VPC-005	SVW33- VPE-006	SVW33- VPE-007	SVW33- VPF-008	SVW36- VPB-009	SVW36- VPB-010	SVW36- VPC-011
07/14/04	7.40	8.03	8.25	8.55	9.18	9.41	10.26	10.49	11.11	12.38	
ANALYSIS TIME	6:23	6:53	8:25	8:55	9:18	9:41	10:26	10:49	11:11	12:38	
SAMPLING DEPTH (feet)	-	130	185	20	56	85	120	35	35	56	
VOLUME WITHDRAWN (cc)	-	680	850	140	204	400	540	200	260	260	
VOLUME INJECTED	20	20	20	20	20	20	20	20	20	20	
DILUTION FACTOR	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	
CARBON TETRACHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	
CHLOROETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	
CHLOROFORM	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	
1,1-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	
1,2-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	
1,1-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	
TETRACHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	
TRICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	
VINYL CHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	
TRICHLOROFLUOROMETHANE (FR11)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	
DICHLOROFLUOROMETHANE (FR12)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	
1,1,2-TRICHLOROETHANE (FR113)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	
BENZENE	nd	nd	nd	nd	1.2	nd	nd	nd	nd	nd	
CHLOROBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	
ETHYLBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	
TOLUENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	
m,p-XYLENES	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	
o-XYLENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	
SURROGATES (75-125% RECOVERY)											
DIBROMODIFLUOROMETHANE	121%	118%	119%	123%	121%	119%	114%	114%	109%	125%	
1,2-DICHLOROETHANE-d4	114%	116%	117%	120%	117%	116%	111%	113%	108%	123%	
4-BROMOFLUORO BENZENE	109%	111%	113%	113%	115%	111%	108%	109%	105%	110%	

ND INDICATES NOT DETECTED AT A DETECTION LIMIT OF 1.0 UG/L-VAPOR FOR EACH COMPOUND  
 ANALYSES PERFORMED ON-SITE IN CA DSHS MOBILE LABORATORY #2378  
 ANALYSES PERFORMED BY: MARK BURKE  
 DATA REVIEWED BY: TAMARA DAVIS

November 17, 2004

Mr. Scott Brehmer  
Geofon  
22632 Golden Springs Drive  
Suite 270  
Diamond Bar, CA 91765

**SUBJECT: DATA REPORT – JET PROPULSION LAB – 4800 OAK GROVE DRIVE –  
PASADENA, CA - GEOFON PROJECT #4-12812 JPL#2**

H&P Mobile Geochemistry Project # GF102504-L6

Mr. Brehmer:

Please find enclosed a data report for the above referenced location. Soil vapor samples were analyzed on-site in DOHS certified mobile laboratory (CERT #2579).

### **Project Summary**

Soil vapor from 93 points was analyzed for:

- volatile halogenated hydrocarbons by EPA Method 8260B
- volatile aromatic hydrocarbons (BTEX) by EPA Method 8260B

The samples were received on-site in appropriate containers with appropriate labels, seals, and chain-of-custody documentation.

### **Project Narrative**

The results for all analyses and required QA/QC analyses are summarized in the enclosed tables. All calibrations, blanks, surrogates, and spike recoveries fulfill quality control criteria. No data qualifiers (flags) apply to any of the reported data.

H&P Mobile Geochemistry appreciates the opportunity to provide analytical services to Geofon on this project. If you have any questions relating to this data or report, please do not hesitate to contact us.

Sincerely,



Ms. Tamara Davis  
Lab Director

GECON PROJECT # 04-12812-JPA  
 JET PROPULSION LABORATORY  
 4800 OAK GROVE DRIVE  
 PASADENA, CA

HP Labs Project #GF102504-L6  
 INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER  
 VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8260) ANALYSES OF SOIL VAPOR  
 SOIL VAPOR DATA IN LIDL-VAPOR

DATE	AMBIENT	SWW01- VPA-001	SWW01- VPB-001	SWW01- VFC-002	SWW01- VPC-003	SWW01- VPD-004	SWW01- VPE-005	SWW00- VPA-006	SWW00- VPB-007	SWW00- VPC-008	SWW00- VPD-009	SWW00- VPE-010	SWW00- VPB-011	SWW00- VPC-012	SWW00- VPD-013	SWW00- VPE-014
10/25/04	10/25/04	10/25/04	10/25/04	10/25/04	10/25/04	10/25/04	10/25/04	10/25/04	10/25/04	10/25/04	10/25/04	10/25/04	10/25/04	10/25/04	10/25/04	10/25/04
7:15	8:04	8:29	8:53	9:16	9:39	10:01	10:23	10:47	11:10	11:33	11:56	12:20	12:43	13:06	13:30	14:13
SAMPLING DEPTH (feet)	20	35	45	55	65	77	90	104	120	137	155	174	193	213	233	254
VOLUME WITHDRAWN (cc)	140	200	240	280	320	360	400	440	480	520	560	600	640	680	720	760
VOLUME INJECTED	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
DILUTION FACTOR	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05

CARBON TETRACHLORIDE	nd															
CHLOROETHANE	nd															
CHLOROFORM	nd															
1,1-DICHLORO ETHANE	nd															
1,2-DICHLORO ETHANE	nd															
1,1-DICHLORO ETHENE	nd															
CIS-1,2-DICHLORO ETHENE	nd															
TRANS-1,2-DICHLORO ETHENE	nd															
DICHLOROMETHANE	nd															
TETRACHLORO ETHENE	nd															
1,1,2-TETRACHLORO ETHANE	nd															
1,1,2,2-TETRACHLORO ETHANE	nd															
1,1,1-TRICHLORO ETHANE	nd															
1,1,2-TRICHLORO ETHANE	nd															
TRICHLORO ETHENE	nd															
VINYL CHLORIDE	nd															
TRICHLOROFLUOROMETHANE (FR11)	nd															
DICHLOROFLUOROMETHANE (FR12)	nd															
1,1,2-TRICHLOROFLUOROETHANE (FR113)	nd															
BENZENE	nd															
CYCLOHEXENE	nd															
ETHYLBENZENE	nd															
TOLUENE	nd															
m&p-XYLENES	nd															
p-XYLENE	nd															

SURROGATES (75-125% RECOVERY)	SWW01- VPA-001	SWW01- VPB-001	SWW01- VFC-002	SWW01- VPC-003	SWW01- VPD-004	SWW01- VPE-005	SWW00- VPA-006	SWW00- VPB-007	SWW00- VPC-008	SWW00- VPD-009	SWW00- VPE-010	SWW00- VPB-011	SWW00- VPC-012	SWW00- VPD-013	SWW00- VPE-014
DISBROMODIFLUOROMETHANE	56%	54%	53%	56%	56%	56%	52%	54%	52%	57%	57%	53%	53%	56%	56%
1,2-DICHLOROETHANE-d4	55%	59%	55%	56%	56%	56%	50%	54%	50%	54%	54%	51%	50%	50%	51%
4-BROMOFLUORO BENZENE	54%	54%	54%	53%	52%	52%	50%	50%	52%	55%	55%	49%	52%	54%	52%

ND INDICATES NOT DETECTED AT A DETECTION LIMIT OF 1.0 UG/L-VAPOR FOR EACH COMPOUND  
 ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #2579  
 ANALYSES PERFORMED BY: MARK BURKE  
 DATA REVIEWED BY: TAMARA DAVIS

GEOCON PROJECT # 04-12812-JPL  
 JET PROPULSION LABORATORY  
 4800 OAK GROVE DRIVE  
 PASADENA, CA

HP Labs Project #GF 102604-L6  
 INSTRUMENT: ADILENT 6850 GC / 5973 MASS SPECTROMETER  
 VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8200) ANALYSES OF SOIL VAPOR  
 SOIL VAPOR DATA IN UGL-VAPOR

DATE	AMBIENT BLANK	SWW1- VPA-015	SWW1- VPA-016	SWW1- VPB-017	SWW1- VPC-018	SWW2- VPA-019	SWW3- VPB-020	SWW3- 021 Dup	SWW3- VPC-022	SWW7- VPA-023	SWW7- VPB-024	SWW7- VPC-025	SWW8- VPC-026	SWW8- VPD-027	SWW8- VPE-028
10/26/04	7:10	8:04	8:27	8:51	10:54	11:17	11:41	12:04	12:26	12:50	13:14	16:12	15:35	15:58	16:31
ANALYSIS TIME															
SAMPLING DEPTH (feet)	-	9	10	21	33	10	29	29	40	20	35	20	50	70	80
VOLUME WITHDRAWN (cc)	-	96	100	144	192	100	176	236	220	140	200	140	260	340	420
VOLUME INJECTED	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
DILUTION FACTOR	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
CARBON TETRACHLORIDE	nd														
CHLOROETHANE	nd														
CHLOROFORM	nd														
1,1-DICHLORO ETHANE	nd														
1,2-DICHLORO ETHANE	nd														
1,1-DICHLORO ETHENE	nd														
CIS-1,2-DICHLORO ETHENE	nd														
TRANS-1,2-DICHLORO ETHENE	nd														
DICHLOROMETHANE	nd														
TETRACHLORO ETHENE	nd														
1,1,1,2-TETRACHLORO ETHANE	nd														
1,1,2,2-TETRACHLORO ETHANE	nd														
1,1,1-TRICHLORO ETHANE	nd														
1,1,2-TRICHLORO ETHANE	nd														
TRICHLORO ETHENE	nd														
VINYL CHLORIDE	nd														
TRICHLOROFLUOROMETHANE (FR11)	nd														
DICHLOROFLUOROMETHANE (FR12)	nd														
1,1,2-TRICHLOROFLUOROETHANE (FR113)	nd														
BENZENE	nd														
CHLOROBENZENE	nd														
ETHYLBENZENE	nd														
TOLUENE	nd														
m,p-XYLENES	nd														
o-XYLENE	nd														
SURROGATES (75-125% RECOVERY)															
DIBROMODIFLUOROMETHANE	98%	95%	98%	77%	94%	97%	93%	93%	94%	91%	91%	93%	92%	90%	92%
1,2-DICHLOROETHANE-4d	95%	91%	91%	95%	93%	94%	87%	90%	87%	89%	90%	88%	91%	89%	87%
4-BROMOFLUORO BENZENE	95%	95%	92%	94%	89%	94%	89%	90%	93%	92%	91%	80%	94%	90%	93%

ND INDICATES NOT DETECTED AT A DETECTION LIMIT OF 1.0 UGL-VAPOR FOR EACH COMPOUND

ANALYSES PERFORMED ON-SITE IN CA DONS MOBILE LABORATORY #2578

ANALYSES PERFORMED BY: MARK BURKE

DATA REVIEWED BY: TAMARA DAVIS



GEOCON PROJECT # 04-12813-JPL  
 JET PROPULSION LABORATORY  
 4805 DAW GROVE DRIVE  
 PASADENA, CA

HP Labs Project #03102504-L8  
 INSTRUMENT: AGILENT 8800 GC / 5973 MASS SPECTROMETER  
 VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8260) ANALYSES OF SOIL VAPOR  
 SOIL VAPOR DATA IN UGA VAPOR

ANALYST	SVW033-VPA-041	SVW033-VPB-042	SVW033-VPC-043	SVW033-VPD-044	SVW033-VPE-045	SVW033-VPF-047	SVW033-VPG-048	SVW033-VPH-049	SVW033-VPI-050	SVW033-VPJ-051	SVW033-VPK-052	SVW033-VPL-053	SVW033-VPM-054	SVW033-VPN-055	SVW033-VPO-056	SVW033-VPP-057
DATE	10/28/04	10/28/04	10/28/04	10/28/04	10/28/04	10/28/04	10/28/04	10/28/04	10/28/04	10/28/04	10/28/04	10/28/04	10/28/04	10/28/04	10/28/04	10/28/04
ANALYSIS TIME	7:02	7:34	7:50	8:19	8:41	9:04	9:20	10:34	10:56	11:19	12:25	12:58	13:22	13:45	14:11	14:34
SAMPLING DEPTH (feet)	-	20	40	40	50	60	165	120	200	20	35	55	75	75	82	40
VOLUME INJECTED (lit)	-	140	220	280	300	400	480	540	860	140	200	280	360	420	420	220
VOLUME INJECTED	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
DILUTION FACTOR	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
CARBON TETRACHLORIDE	nd															
CHLOROETHANE	nd															
CHLOROFORM	nd															
1,1-DICHLORO ETHANE	nd															
1,2-DICHLORO ETHANE	nd															
1,1-DICHLORO ETHENE	nd															
CIS-1,2-DICHLORO ETHENE	nd															
TRANS-1,2-DICHLORO ETHENE	nd															
DICHLOROMETHANE	nd															
TETRACHLORO ETHENE	nd															
1,1,1,2-TETRACHLORO ETHANE	nd															
1,1,2,2-TETRACHLORO ETHANE	nd															
1,1,1-TRICHLORO ETHANE	nd															
1,1,2-TRICHLORO ETHANE	nd															
TRICHLORO ETHENE	nd															
VINYL CHLORIDE	nd															
TRICHLOROFLUOROMETHANE (R11)	nd															
DICHLOROFLUOROMETHANE (R12)	nd															
1,1,2-TRICHLOROFLUOROETHANE (R113)	nd															
BENZENE	nd															
CHLOROBENZENE	nd															
ETHYLBENZENE	nd															
TOLUENE	nd															
m&p-XYLENES	nd															
p-XYLENE	nd															
SURROGATES (5% 10% RECOVERY)	nd															
DIBROMODIFLUOROMETHANE	84%	92%	84%	86%	85%	84%	92%	95%	91%	93%	96%	91%	94%	95%	92%	95%
1,2-DICHLOROETHANE-d4	92%	89%	91%	92%	89%	90%	91%	89%	91%	89%	89%	89%	89%	89%	91%	93%
4-BROMOFLUOROETHANE	86%	91%	91%	87%	87%	88%	91%	91%	92%	91%	92%	92%	92%	90%	90%	90%

ND INDICATES NOT DETECTED AT A DETECTION LIMIT OF 1.0 UGA/VAPOR FOR EACH COMPOUND  
 ANALYSES PERFORMED ON-SITE IN CALDWELL MOBILE LABORATORY #2279  
 DATA REVIEWED BY: TAMARA DAVIS



GEOPON PROJECT # 04-12812-JPL  
 JET PROPULSION LABORATORY  
 4800 OAK GROVE DRIVE  
 PASADENA, CA

HP Labs Project #GF 102504-L6  
 INSTRUMENT: AGILENT 6890 GC / 5973 MASS SPECTROMETER  
 VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8260) ANALYSES OF SOIL VAPOR  
 SOIL VAPOR DATA IN UGL-VAPOR

	AMBIENT	SVW02-	SVW27-									
	BLANK	VPI-068	VPA-069	VPB-060	VPC-061	VPD-062	VPE-063	VPF-064	VPG-065	VPH-066	VPI-067	VPL-068
DATE	10/29/04	10/29/04	10/29/04	10/29/04	10/29/04	10/29/04	10/29/04	10/29/04	10/29/04	10/29/04	10/29/04	10/29/04
ANALYSIS TIME	7:19	8:06	8:30	8:53	9:17	9:39	10:02	10:24	10:46	11:21	11:44	
SAMPLING DEPTH (feet)	-	195	20	35	60	85	100	120	120	140	180	
VOLUME WITHDRAWN (cc)	-	840	140	200	300	400	460	540	600	620	700	
VOLUME INJECTED	20	20	20	20	20	20	20	20	20	20	20	
DILUTION FACTOR	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	
CARBON TETRACHLORIDE	nd											
CHLOROETHANE	nd											
CHLOROFORM	nd											
1,1-DICHLORO ETHANE	nd											
1,2-DICHLORO ETHANE	nd											
1,1-DICHLORO ETHENE	nd											
CIS-1,2-DICHLORO ETHENE	nd											
TRANS-1,2-DICHLORO ETHENE	nd											
DICHLOROMETHANE	nd											
TETRACHLORO ETHENE	nd											
1,1,1,2-TETRACHLORO ETHANE	nd											
1,1,2,2-TETRACHLORO ETHANE	nd											
1,1,1-TRICHLORO ETHANE	nd											
1,1,2-TRICHLORO ETHANE	nd											
TRICHLORO ETHENE	nd											
VINYL CHLORIDE	nd											
TRICHLOROFLUOROMETHANE (FR11)	nd											
DICHLOROFLUOROMETHANE (FR12)	nd											
1,1,2-TRICHLOROETHANE (FR13)	nd											
BENZENE	nd											
CHLOROBENZENE	nd											
ETHYLBENZENE	nd											
TOLUENE	nd											
m&p-XYLENES	nd											
o-XYLENE	nd											
SURROGATES (75-125% RECOVERY)												
DIBROMODIFLUOROMETHANE	94%	94%	92%	96%	95%	99%	95%	97%	97%	95%	94%	94%
1,2-DICHLOROETHANE-4d	89%	88%	91%	91%	87%	92%	91%	94%	91%	90%	90%	90%
4-BROMOFLUORO BENZENE	90%	90%	90%	84%	94%	93%	90%	94%	89%	91%	89%	89%

ND INDICATES NOT DETECTED AT A DETECTION LIMIT OF 1.0 UG/L-VAPOR FOR EACH COMPOUND  
 ANALYSES PERFORMED ON-SITE IN CA DQHS MOBILE LABORATORY #2679  
 ANALYSES PERFORMED BY: MARK BURKE  
 DATA REVIEWED BY: TAMARA DAVIS

GECON PROJECT # 04-12812-JPL  
 JET PROPULSION LABORATORY  
 4800 OAK GROVE DRIVE  
 PASADENA, CA

HP Labs Project #GF102504-L6  
 INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER  
 VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8260) ANALYSES OF SOIL VAPOR  
 SOIL VAPOR DATA IN UGL-VAPOR

DATE	AMBIENT BLANK	SVW25- VPE-068	SVW25- VPE-069	SVW28- VPA-070	SVW28- VPE-071	SVW28- VPE-072	SVW28- VPE-073	SVW28- VPE-074	SVW28- VPE-075	SVW28- VPH-076	SVW25- VPA-077
	11/01/04	11/01/04	11/01/04	11/01/04	11/01/04	11/01/04	11/01/04	11/01/04	11/01/04	11/01/04	11/01/04
ANALYSIS TIME	8:36	9:14	9:39	10:12	10:37	11:00	11:34	11:57	12:21	12:44	13:15
SAMPLING DEPTH (feet)	-	35	80	20	80	105	105	140	160	160	20
VOLUME WITHDRAWN (cc)	-	200	380	140	380	480	520	620	720	780	140
VOLUME INJECTED	20	20	20	20	20	20	20	20	20	20	20
DILUTION FACTOR	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
CARBON TETRACHLORIDE	nd	nd	nd	nd	nd	nd	3.4	nd	nd	nd	nd
CHLOROETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,2-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
VINYL CHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLOROFLUOROMETHANE (FR11)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLOROFLUOROMETHANE (FR12)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLOROFLUOROETHANE (FR13)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
BENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
ETHYLBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TOLUENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
m,p-XYLENES	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
o-XYLENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SURROGATES (75-125% RECOVERY)											
DIBROMOFLUOROMETHANE	98%	96%	96%	91%	96%	95%	93%	95%	97%	94%	92%
1,2-DICHLOROETHANE-4d	93%	87%	93%	88%	91%	92%	89%	91%	90%	86%	89%
4-BROMOFLUORO BENZENE	90%	94%	90%	83%	92%	94%	93%	94%	93%	92%	90%

ND INDICATES NOT DETECTED AT A DETECTION LIMIT OF 1.0 UG/L-VAPOR FOR EACH COMPOUND  
 ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #2379  
 ANALYSES PERFORMED BY: MARK BURKE  
 DATA REVIEWED BY: TAMARA DAVIS

GEOPON PROJECT # 04-12813-JPL  
 JET PROPULSION LABORATORY  
 4800 OAK GROVE DRIVE  
 PASADENA, CA

HP Laba Project #07 102504.LS  
 INSTRUMENT: AGILENT 6890 GC / 5973 MASS SPECTROMETER  
 VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8200) ANALYSES OF SOIL VAPOR  
 SOIL VAPOR DATA IN UG/L-VAPOR

DATE	AMBIENT BLANK	SVW25- VPE-78	SVW25- VPI-079	SVW25- VPI-080	SVW19A- VPC-081	SVW037- VPI-082	SVW037- VPE-083	SVW037- VPI-084	SVW037- VPI-085	SVW037- VPI-086	SVW037- 087 DUB	SVW037- VPI-088	SVW037- VPE-089	SVW037- VPI-090	SVW037- VPE-091	SVW037- VPI-092	SVW037- VPE-093
	11/02/04	11/02/04	11/02/04	11/02/04	11/02/04	11/02/04	11/02/04	11/02/04	11/02/04	11/02/04	11/02/04	11/02/04	11/02/04	11/02/04	11/02/04	11/02/04	11/02/04
ANALYSIS TIME	7:12	7:42	8:00	8:30	8:56	9:20	9:43	10:09	10:36	11:00	11:22	12:17	12:43	13:10	13:34	13:58	14:21
SAMPLING DEPTH (Inch)	--	43	100	190	60	45	80	100	155	170	170	185	80	95	80	110	170
VOLUME WITHDRAWN (cc)	--	220	760	820	300	220	360	400	680	740	600	800	440	500	500	500	740
VOLUME INJECTED	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
DILUTION FACTOR	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
CARBON TETRACHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,2-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CG-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TETRACHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
VINYL CHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLOROFUOROMETHANE (FR11)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLORODIFLUOROMETHANE (FR12)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLOROETHANE (FR13)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
BENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
ETHYLBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TOLUENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
m&p-XYLENES	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
p-XYLENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SUBSTITUTES (75-125% RECOVERY)	95%	97%	95%	97%	95%	94%	94%	95%	96%	95%	96%	95%	97%	94%	97%	95%	95%
TETRACHLOROMETHANE	95%	95%	95%	94%	95%	94%	94%	95%	95%	95%	95%	95%	95%	94%	97%	95%	95%
1,2-DICHLOROETHANE-J4	95%	95%	97%	94%	95%	97%	94%	95%	95%	95%	100%	95%	95%	94%	99%	94%	100%
4-BROMOFUORO BENZENE	95%	94%	95%	96%	95%	93%	94%	95%	95%	94%	93%	94%	95%	96%	94%	94%	100%

ND INDICATES NOT DETECTED AT A DETECTION LIMIT OF 1.0 UG/L-VAPOR FOR EACH COMPOUND  
 ANALYSES PERFORMED ON-SITE IN CA DCHS MOBILE LABORATORY #219  
 ANALYSES PERFORMED BY: TAMARA DAVIS  
 DATA REVIEWED BY: TAMARA DAVIS

GEOPON PROJECT # 04-12812-JPL  
 JET PROPULSION LABORATORY  
 4800 OAK GROVE DRIVE  
 PASADENA, CA

HP Labs Project #GF 102004-16  
 INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER  
 VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8260) ANALYSES OF SOIL VAPOR  
 SOIL VAPOR DATA IN UGL-VAPOR

	AMBIENT										
	SWW6-VPIB-084	SWW6-VPIB-085	SWW6-VPIB-086	SWW6-VPE-096	SWW15-VPIB-097	SWW15-VPC-098	SWW15-VPC-099 Dup	SWW15-VPC-100	SWW15-VPE-101	SWW39-VPIB-102	SWW39-VPIB-103
DATE	11/03/04	11/03/04	11/03/04	11/03/04	11/03/04	11/03/04	11/03/04	11/03/04	11/03/04	11/03/04	11/03/04
ANALYSIS TIME	7:53	8:17	8:40	9:03	9:31	10:01	10:26	10:49	11:21	12:03	12:32
SAMPLING DEPTH (feet)	-	40	77	96	40	60	60	75	85	100	130
VOLUME WITHDRAWN (cc)	-	220	368	444	220	300	360	360	440	490	680
VOLUME INJECTED	20	20	20	20	20	20	20	20	20	20	20
DILUTION FACTOR	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
CARBON TETRACHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,2-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TETRACHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
VINYL CHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLOROFLUOROMETHANE (FR11)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLOROFLUOROMETHANE (FR12)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLOROETHANE (FR13)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
BENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
ETHYLBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TOLUENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
m&p-XYLENES	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
o-XYLENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SURROGATES (75-125% RECOVERY)											
DIBROMOFLUOROMETHANE	96%	99%	94%	95%	98%	96%	97%	97%	99%	96%	92%
1,2-DICHLOROETHANE-d4	95%	101%	97%	96%	95%	98%	98%	99%	98%	96%	92%
4-BROMOCELLULOSE BENZENE	95%	97%	99%	93%	92%	94%	95%	96%	95%	96%	96%

ND INDICATES NOT DETECTED AT A DETECTION LIMIT OF 1.0 UG/L-VAPOR FOR EACH COMPOUND  
 ANALYSES PERFORMED ON-SITE IN CA DONS MOBILE LABORATORY #2579  
 ANALYSES PERFORMED BY: MARK BURKE  
 DATA REVIEWED BY: TAMARA DAVIS

**APPENDIX B-2**

**CHAIN-OF-CUSTODY FORM**



**GEOFON**  
 INCORPORATED  
 22632 GOLDEN SPRINGS DR., SUITE 270  
 DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455

**CHAIN-OF-CUSTODY RECORD**

LABORATORY COPY

GEOFON LAB COORDINATOR: **J. ROBINSON**  
 LAB COORDINATOR'S PHONE: **909-396-7662**  
 LAB COORDINATOR'S FAX: **909-396-1455**

PROJECT NAME: **JPL #2**  
 PROJECT LOCATION: **QUARTILE 5 VE MONITORING 04-4478-10**  
 PROJECT NUMBER: **N/A**

PROJECT CONTRACT: **J. ROBINSON**  
 PROJECT ADDRESS: **714-920-8438**  
 CITY, STATE AND ZIP CODE: **N/A**

PROJECT MANAGER: **4800 OAK GROVE DR PASADENA CA 91108**  
 PROJECT MANAGER'S PHONE: **909-396-7662**  
 PROJECT MANAGER'S FAX: **909-396-1455**

LABORATORY SERVICE ID: **GF020204-16**  
 LABORATORY PHONE: **858-773-0401**  
 LABORATORY ADDRESS: **437 N. CEDROS AVE**  
 CITY, STATE AND ZIP CODE: **SOLANA BEACH CA 92075**

MAIL REPORT COMPANY NAME: **GEOFON INC**  
 RECIPIENT NAME: **J. ROBINSON**  
 ADDRESS: **22632 GOLDEN SPRINGS DR #270**  
 CITY, STATE AND ZIP CODE: **DIAMOND BAR CA 91765**

Item	Sample Identifier	Matrix			Date	Time	Preserved	# of Cont	OC Level	T.A.T	Comments
		Matrix	Date	Time							
1	SNW37-VPS-001	AIR	7/16/04	0730	NONE	1*	3	NONE			1* 60cc SYRINGE
2	SNW36-VPB-002			0750							
3	SNW36-VPC-003			0812							
4	SNW33-VPD-004			0935							
5	SNW33-VPE-005			0900							
6	SNW33-VPF-006			0922							
7	SNW32-YPH-007			0950							
8	SNW4-VPB-008			1020							
9	SNW4-VPD-009			1045							
10	SNW4-VPD-010			1110							
ANALYSES: <b>COLETOX</b>											

SAMPLES COLLECTED BY: **[Signature]**  
 REASON FOR BY: **[Signature]**

CARRIER AND AIRBILL NUMBER: **[Signature]**

DATE: **2-2-04** TIME: **12:30**

COOLER TEMPERATURE UPON RECEIPT: \_\_\_\_\_  
 SAMPLE LOCATION UPON RECEIPT: \_\_\_\_\_

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager



GEOFON - LAB COORDINATOR  
 J. ROBINSON  
 22632 GOLDEN SPRINGS DR., SUITE 270  
 DIAMOND BAR, CA 91765 • (808) 366-7662 • FAX (808) 366-1455

CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

Item	Sample Identifier	Matrix			Date	Time	# of Cont	QC Level	TAT	LABORATORY SERVICE ID		LABORATORY CONTACT		MAIL REPORT (COMPANY NAME)	
		Prescribed	Time	Time						LABORATORY PHONE	LABORATORY FAX	LABORATORY PHONE	LABORATORY FAX	REQUIREE NAME	ADDRESS
1	SNW33-VPD-001	AIR	4/16/04	0715	NONE	1*	3	NORM		GF040604-16	MARK BULKE	GEOFON INC	J. ROBINSON	22632 GOLDEN SPRINGS DR	
2	SNW33-VPB-002			0747						858-793-0401	858-793-0404	J. ROBINSON	#270		
3	SNW33-VPF-003			0813						437 N. CEDAR AVE				22632 GOLDEN SPRINGS DR	
4	SNW17-VPD-004			0839						SOLANA BEACH CA 92075				DIAMOND BAR CA 91765	
5	SNW4-VPB-005			0906											
6	SNW4-VPD-006			0932											
7	SNW37-VPB-007			0958											
8	SNW37-VPD-008			1024											
9	SNW37-VPB-009			1050											
10	SNW37-VPD-010			1116											
SAMPLES COLLECTED BY: <i>T. Robinson</i>										COOLER AND AIR BILL NUMBER		COOLER TEMPERATURE UPON RECEIPT			
RECEIVED AT: <i>T. Robinson</i>										DATE		SAMPLE'S CONDITION UPON RECEIPT			
										4-6-04		1230			

Comments: 1\*60cc syringe

Duplicate





INCORPORATED  
22632 GOLDEN SPRINGS DR., SUITE 270  
DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455

### CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

Item	Sample Identifier	Matrix		Date	Time	# of Cont Preservd	QC Level	TAT	LAB COORDINATOR'S FAX		LABORATORY SERVICE ID	LABORATORY CONTACT		MAIL REPORT (COMPANY NAME)
		Project	Client						LAB COORDINATOR'S PHONE	PROJECT LOCATION		LABORATORY PHONE	LABORATORY FAX	
		LAB COORDINATOR'S PHONE	LABORATORY SERVICE ID	LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)									
		PROJECT LOCATION	LABORATORY PHONE	LABORATORY FAX	REPORT NAME									
		PROJECT PHONE NUMBER	LABORATORY ADDRESS	LABORATORY ADDRESS	ADDRESS									
		CITY, STATE AND ZIP CODE												
		PROJECT MANAGER'S PHONE	PROJECT MANAGER'S FAX	PROJECT MANAGER'S FAX	PROJECT MANAGER'S FAX									
		PROJECT MANAGER'S	PROJECT MANAGER'S	PROJECT MANAGER'S	PROJECT MANAGER'S									
1	SNW 27-VPI-021	AIR	4/16/04 1270	None	1*	3	None	X			0720/1020	437 N. CEDROS AVE	MARK BURKE	GEOFON INC
2	SNW 27-VPI-022	Duplicate	1222	1	1	1	1	X						J. ROBINSON
3														22632 GOLDEN SPRINGS DR
4														DIAMOND BAR CA 91765
5														
6														
7														
8														
9														
10														
SAMPLES COLLECTED BY: <i>Tony...</i>												COOLER TEMPERATURE UPON RECEIPT		
RELINQUISHED BY: <i>Mark Burke</i>												SAMPLE'S CONDITION UPON RECEIPT		
												DATE	TIME	
												4-7-04	1245	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager



INCORPORATED  
22832 GOLDEN SPRINGS DR., SUITE 270  
DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455

CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

Item	Sample Identifier	Matrix			Date	Time	# of Cont	QC Level	TAT	Comments
		LAB COORDINATOR'S PHONE	LAB COORDINATOR'S FAX	LAB COORDINATOR'S NAME						
1	SNW35-VPE-023	AIR	4/18/04	0706	NONE	1*	3	NORM	X	1* GOOD SYLINDRE
2	SNW35-VPI-024			0752					X	
3	SNW38-VPD-025			0758					X	
4	SNW38-VPF-026			0824					X	
5	SNW38-VPI-027			0850					X	
6	SNW39-VPE-028			0944					X	
7	SNW39-VPF-029			1010					X	
8	SNW39-VPG-030			1036					X	
9	SNW39-VPI-031			1102					X	
10	SNW39-VPI-032 DUPLICATE			1128					X	DUPLICATE

LABORATORY CONTACT: GEOFON INC  
 MAIL REPORT (COMPANY NAME): GEOFON INC  
 RECIPIENT NAME: J. ROBINSON  
 ADDRESS: #270  
 22632 GOLDEN SPRINGS DR  
 CITY, STATE AND ZIP CODE: DIAMOND BAR CA 91765

LABORATORY SERVICE ID: GFO40604-16  
 LABORATORY CONTACT: MARK BURKE  
 LABORATORY PHONE: 858-793-0401  
 LABORATORY FAX: 858-793-0404  
 LABORATORY ADDRESS: 437 N. CEDROS AVE  
 CITY, STATE AND ZIP CODE: SOLANA BEACH CA 92075

LAB COORDINATOR'S PHONE: 909-396-7662  
 LAB COORDINATOR'S FAX: 909-396-1455  
 PROJECT LOCATION: SEYM1 ANNUAL SRW SAMPLING  
 PROJECT NUMBER: 04-4428-10  
 PROJECT PHONE NUMBER: 714-920-8438  
 PROJECT FAX: N/A  
 CLIENT: US NAVY SWDIR  
 PROJECT MANAGER'S NAME: ASRAL FIAHOMY  
 PROJECT MANAGER'S PHONE: 909-396-7662  
 PROJECT MANAGER'S FAX: 909-396-1455

COOLERS TEMPERATURE UPON RECEIPT  
 SAMPLE'S CONDITION UPON RECEIPT

DATE: 4-8-04  
 TIME: 1230

COULERS AND AIR BILL NUMBER  
 RECEIVED BY: [Signature]  
 RETURNED BY: [Signature]



**INCORPORATED**  
 22632 GOLDEN SPRINGS DR., SUITE 270  
 DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455

**CHAIN-OF-CUSTODY RECORD**

LABORATORY COPY

<b>GEOFON LAB COORDINATOR</b> J. ROBINSON PROJECT #2 PROJECT CONTACT J. ROBINSON PROJECT ADDRESS 4800 OAKGROVE DR PROJECT MANAGER ASHAR PATHEM		<b>LAB COORDINATOR'S PHONE</b> 909-396-7662 <b>PROJECT LOCATION</b> SPM ANNUAL SVW SAMPLING <b>PROJECT PHONE NUMBER</b> 714-920-8438 <b>CITY, STATE AND ZIP CODE</b> ASHLAND CA 91108 <b>PHONE</b> 909-396-7662		<b>LAB COORDINATOR'S FAX</b> 909-396-7662 <b>PROJECT NUMBER</b> 04-4428-10 <b>PROJECT FAX</b> N/A <b>CLIENT</b> US NAVY SWIDLV <b>PROJECT MANAGER'S FAX</b> 909-396-1455		<b>LAB REPORT (COMPANY NAME)</b> GEOFON INC <b>RECIENT NAME</b> J. ROBINSON <b>ADDRESS</b> 22632 GOLDEN SPRINGS DR DIAMOND BAR CA 91765		<b>LABORATORY SERVICE ID</b> GF040604-16 <b>LABORATORY PHONE</b> 858-733-0401 <b>LABORATORY ADDRESS</b> 437 N. CEDROS AVE <b>CITY, STATE AND ZIP CODE</b> SOLANA BEACH CA 92075		<b>LABORATORY CONTACT</b> MARK BURKE <b>LABORATORY FAX</b> 858-733-0404		<b>MAIL REPORT (COMPANY NAME)</b> GEOFON INC <b>RECIENT NAME</b> J. ROBINSON <b>ADDRESS</b> 22632 GOLDEN SPRINGS DR DIAMOND BAR CA 91765	
Item	Sample Identifier	Matrix			Time	# of Cont	QC Level	TAT	Comments				
		Date	Time	Preserved									
1	SVW 26-VPF-033	AIR	4/16/04	0704	None	1*	S	None	X	* 60cc SYRINGE			
2	SVW 26-VPG-034			0730					X				
3	SVW 26-VPH-035			0756					X				
4	SVW 36-VPA-036			0822					X				
5	SVW 36-VPB-037			0848					X				
6	SVW 36-VP C-038			0914					X				
7	SVW 36-VPD-039			0940					X				
8	SVW 36-VPE-040			1006					X				
9	SVW 36-VPE-041 DUPLICATE			1032					X	DUPLICATE			
10													

COOLER TEMPERATURE UPON RECEIPT  
 SAMPLE CONDITION UPON RECEIPT

DATE  
 4-10-04  
 TIME  
 12:00

COURIER AND AIR BILL NUMBER  
 RECEIVED BY  
 [Signature]

1 of 2



INCORPORATED  
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DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX: (909) 396-1455

CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

Item	Sample Identifier	Matrix			Date	Time	# of Cont	QC Level	T.A.T	LABORATORY SERVICE ID	LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)
		LAB COORDINATOR'S PHONE	LABORATORY PHONE	LABORATORY FAX								
1	SRW39-VPI-001	909-396-7662	909-396-1455	7/14/04	None	1*	3	None	6F071404-4	MARK BUKKE	GEOFON INC	
2	SRW37-VPI-002	909-396-7662	909-396-1455	0736					858-793-0901	858-793-0904	J. JONES	
3	SRW4-VPB-003	714-920-8438	N/A	0758					437 N. CEDROS AVE		22632 GOLDEN SPRINGS DR	
4	SRW4-VPD-004	4800 OAK GLEN DR	125 NAVY SW DIV	0820					SOLANA BEACH CA 92075		DIAMOND BAR CA 91765	
5	SRW17-VPD-005	AS CAR FABRIUM	909-396-1455	0844								
6	SRW33-VPD-006			0912								
7	SRW33-VPD-007			0934								
8	SRW33-VPD-008			0956								
9	SRW36-VPB-009			1018								
10	SRW36-VPB-010			1040								
<p>ANALYSIS 07/10/04</p>										<p>1* GOCC STRIP</p>		
<p>COOLING TEMPERATURE UNIFORM RECEIPT</p>										<p>DUPLICATE</p>		
<p>SAMPLES COLLECTED BY: [Signature]</p>										<p>COOLING TEMPERATURE UNIFORM RECEIPT</p>		
<p>RELINQUISHED BY: [Signature]</p>										<p>SAMPLE'S CONDITION UPON RECEIPT</p>		
<p>COURIER AND AIR BILL NUMBER</p>										<p>DATE TIME</p>		
<p>[Signature]</p>										<p>7-14-04 1300</p>		

2 OF 2



INCORPORATED  
22632 GOLDEN SPRINGS DR., SUITE 270  
DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455

CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

GEOFON LAB COORDINATOR <b>J. JONES</b>		LAB COORDINATOR'S PHONE 909-396-7662		LAB COORDINATOR'S FAX 909-396-1455		LABORATORY SERVICE ID 6F07M04-L6		LABORATORY CONTRACT MARK BURKE		MAIL REPORT (COMPANY NAME) GEOFON INC	
PROJECT NAME IPL #2		PROJECT LOCATION WARTBURY SVW SAMPLING		PROJECT NUMBER 4-17812		LABORATORY PHONE 858-793-0401		LABORATORY FAX 858-793-0404		RECIPIENT NAME J. JONES	
PROJECT CONTACT T. JONES		PROJECT PHONE NUMBER 714-720-8438		PROJECT FAX N/A		LABORATORY ADDRESS 437 N. CEDROS AVE		LABORATORY CITY, STATE AND ZIP CODE SOLANA BEACH CA 92075		ADDRESS 22632 GOLDEN SPRINGS DR #270	
PROJECT ADDRESS 4800 OAK GLEN DR		CITY, STATE AND ZIP CODE PASADENA CA 91108		CLIENT US NAVY SWDIV		LABORATORY CITY, STATE AND ZIP CODE SOLANA BEACH CA 92075		LABORATORY CITY, STATE AND ZIP CODE DIAMOND BAR CA 91765		CITY, STATE AND ZIP CODE	
PROJECT MANAGER ASRAR FAHEEM		PROJECT MANAGER'S PHONE 909-396-7662		PROJECT MANAGER'S FAX 909-396-1455		LABORATORY CITY, STATE AND ZIP CODE SOLANA BEACH CA 92075		LABORATORY CITY, STATE AND ZIP CODE DIAMOND BAR CA 91765		CITY, STATE AND ZIP CODE	
Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	QC Level	TAT	Comments		
1	SW36-VPC-011	AIR	7/14/04	1225	None	1*	3	26	1* 60cc SYRINGE		
2											
3											
4											
5											
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10											
SAMPLES COLLECTED BY <i>T. Jones</i>		COURIER AND AIR BILL NUMBER		DATE 7-19-04		TIME 1300		COOLER TEMPERATURE UPON RECEIPT		SAMPLE'S CONDITION UPON RECEIPT	
RELEASED BY <i>T. Jones</i>		RECEIVED BY <i>[Signature]</i>									

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager



INCORPORATED  
2232 GOLDEN SPRINGS DR., SUITE 270  
DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455

CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY

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Item	Sample Identifier	Matrix	Date	Time	Predicted	# of Cont	DC Level	TAT	LABORATORY SERVICE ID	LABORATORY CONTACT	MAG. REPORT (COMPANY NAME)	LABORATORY PHONE	LABORATORY FAX	LABORATORY ADDRESS	CITY, STATE AND ZIP CODE	PROJECT NUMBER	PROJECT FAX	LABORATORY PHONE	LABORATORY FAX	LABORATORY ADDRESS	CITY, STATE AND ZIP CODE	MAG. REPORT (COMPANY NAME)	PROJECT DATA MANAGER'S COPY
1	SNW31-VPA-001	AIR	07/47	None	1*	3	None		6F10504-16	MACK BULK	GeoFon Inc.	858-793-0001	858-793-0404	437 N. PULOS AVE.	SEANNA BEACH (A. 92075	412812	N/A	858-793-0001	858-793-0404	437 N. PULOS AVE.	SEANNA BEACH (A. 92075	GeoFon Inc.	
2	SNW31-VPB-002		0810																				
3	SNW31-VPC-003		0832																				
4	SNW31-VPD-004		0854																				
5	SNW31-VPE-005		0916																				
6	SNW30-VPA-006		0938																				
7	SNW30-VPB-007		1000																				
8	SNW30-VPC-008		1022																				
9	SNW30-VPD-009		1049																				
10	SNW30-VPD-010		1051																				
SAMPLES COLLECTED BY: <i>Tommy</i>		COURIER AND AIR BILL NUMBER:		SIGNED BY: <i>Tommy</i>		DATE: 10-25-94		TIME: 1400		COOLER TEMPERATURE UPON RECEIPT:		SAMPLE'S CONDITION UPON RECEIPT:											

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Common

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

2 of 2



CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY

P  
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LAB COORDINATOR'S PHONE: 909 396 7662  
 LAB COORDINATOR'S FAX: 909 396 1435  
 PROJECT NAME: SCOTT BLENHALL  
 PROJECT LOCATION: SEMI ANNUAL SW SAMPLING 412 872  
 PROJECT PHONE NUMBER: 909 396 7662  
 PROJECT COPIES: SCOTT BLENHALL  
 PROJECT ADDRESS: 4000 EAK GROVE DR.  
 PROJECT MANAGER: ASHLEY FALLERIN  
 LAB COORDINATOR'S PHONE: 909 396 7662  
 LAB COORDINATOR'S FAX: 909 396 1435  
 PROJECT NAME: SCOTT BLENHALL  
 PROJECT LOCATION: SEMI ANNUAL SW SAMPLING 412 872  
 PROJECT PHONE NUMBER: 909 396 7662  
 PROJECT COPIES: SCOTT BLENHALL  
 PROJECT ADDRESS: 4000 EAK GROVE DR.  
 PROJECT MANAGER: ASHLEY FALLERIN

Item	Sample Identifier	Matrix			Date	Time	Preserved	# of Cont	OC Level	TAT	Comments
		Soil	Water	Other							
1	SW130-VPE-011			1245	1307	1	3				1st GCCC Sample
2	SW12-VTA-012			1307							
3	SW12-VPE-013			1329							
4	SW12-VPE-014			1351							
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LABORATORY SERVICE TO: 6F102504-46  
 LABORATORY PHONE: 856 933 0401  
 LABORATORY ADDRESS: 437 N. CENTOS AVE  
 CITY, STATE AND ZIP CODE: SEASIDE BEACH CA 92075

MAIL REPORT COMPANY NAME: Geofon Inc.  
 REPORT NAME: SCOTT BLENHALL  
 ADDRESS: 22632 GOLDEN SPRINGS DR.  
 CITY, STATE AND ZIP CODE: DIAMOND BAR CA 91765

LABORATORY CONTACT: MARK BAILE  
 LABORATORY FAX: 856 933 0401

LABORATORY SERVICE TO: 6F102504-46  
 LABORATORY PHONE: 856 933 0401  
 LABORATORY ADDRESS: 437 N. CENTOS AVE  
 CITY, STATE AND ZIP CODE: SEASIDE BEACH CA 92075

MAIL REPORT COMPANY NAME: Geofon Inc.  
 REPORT NAME: SCOTT BLENHALL  
 ADDRESS: 22632 GOLDEN SPRINGS DR.  
 CITY, STATE AND ZIP CODE: DIAMOND BAR CA 91765

COOLER TEMPERATURE UPON RECEIPT: \_\_\_\_\_  
 SAMPLE'S CONDITION UPON RECEIPT: \_\_\_\_\_

SAMPLES COLLECTED BY: [Signature]  
 RETURNED BY: [Signature]  
 DATE: 10-25-13  
 TIME: 1445

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Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager





INCORPORATED  
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CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY

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Item	Sample Identifier	Matrix			Date	Time	# of Cont	QC Level	TAT	LAB COORDINATOR'S FAX	LABORATORY SERVICE ID	LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)
		Project	Time	Prepared									
1	SWW4-VPB-025	1976	1435	None	3	None				909-396-1455	GF102504-16	AMC/BUNKER	STEVEN INC.
2	SWW8-VPB-026		1517										SCOTT BETHMIL
3	SWW8-VPB-027		1519										SCOTT BETHMIL
4	SWW8-VPB-028		1612										SCOTT BETHMIL
5													
6													
7													
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COOLER AND AIR BILL NUMBER	DATE	TIME
COOLER TEMPERATURE UPON RECEIPT	10-26-07	1300
SAMPLE'S CONDITION UPON RECEIPT		

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Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

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INCORPORATED  
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CHAIN-OF-CUSTODY RECORD

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PROPERTY-LAB COORDINATOR: Scott Brahmner  
LAB COORDINATOR'S PHONE: 709 396 7662  
LAB COORDINATOR'S FAX: 709 396 1455

PROJECT NAME: South Brahmner  
PROJECT LOCATION: Annual Sewer Compliance 415812  
PROJECT MEMBER: N/A

PROJECT CONTACT: Scott Brahmner  
PROJECT PHONE NUMBER: 709 396 7662  
PROJECT FAX: N/A

PROJECT ADDRESS: 1900 Ch...  
CITY, STATE AND ZIP CODE: ...

CLIENT: ...  
PROJECT MANAGER'S PHONE: 709 396 1455

LABORATORY SERVICE ID: GP 102504-L6  
LABORATORY CONTACT: Marie Bruce  
LABORATORY PHONE: 858 930 0101  
LABORATORY ADDRESS: 4327 N. ...  
LABORATORY FAX: 858 930 1014  
LABORATORY CITY, STATE AND ZIP CODE: ...

MAIL ORDER (COMPANY NAME): Geofon Inc.  
RECIPIENT NAME: Scott Brahmner  
ADDRESS: 22632 Golden Springs Dr.  
CITY, STATE AND ZIP CODE: ...

Item	Sample Identifier	Matrix			Time	# of Cont	# of Cont	OC Level	TAT	Comments
		Date	Time	Prepared						
1	SW11-VPA-029	10/27/08	0800	1	1	1	1	1	1	1
2	SW11-VPB-030	0822								
3	SW19-VPA-031	0815								
4	SW19-VPA-032 DUPLICATE	0850								
5	SW19-VPB-033	0935								
6	SW19-VPC-034	0957								
7	SW19-VPD-035	1020								
8	SW19-VPE-036	1042								
9	SW10-VPB-037	1104								
10	SW10-VPD-038	1126								

SAMPLES COLLECTED BY: [Signature]  
COOLER AND AIR BILL NUMBER: [Blank]

COOLER TEMPERATURE UPON RECEIPT: [Blank]  
SAMPLE'S CONDITION UPON RECEIPT: [Blank]

DATE: 10-27-08  
TIME: 1340

RECEIVED BY: [Signature]

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Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

2 of 2



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CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY

LAB COORDINATOR'S PHONE: 909 996 7662

LAB COORDINATOR'S FAX: 909 396 1455

PROJECT LOCATION: Annual Snow Sampling

PROJECT NUMBER: 412812

PROJECT PHONE NUMBER: N/A

PROJECT FAX: N/A

CITY, STATE AND ZIPCODE: Diamond Bar, CA 91765

CLIENT: Yellow Subj

PROJECT MANAGER'S PHONE: 909 216 9662

PROJECT MANAGER'S FAX: 909 396 1455

Item	Sample Identifier	Matrix			Time	Prescribed	# of Cont	QC Level	TAT	Comments
		Date	Date	Date						
1	SWW14-VPB-039	Air	1/16/14	1313	1313	1	3	Normal	1st 60.0 cc syringe	
2	SWW14-VPB-040			1335		1	1			
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SAMPLES COLLECTED BY: [Signature]  
RELAYED BY: [Signature]

COOLER AND AIR BILL NUMBER

DATE RECEIVED BY: [Signature]

DATE TIME: 1-27-14 1325

COOLER TEMPERATURE UPON RECEIPT  
SAMPLE'S CONDITION UPON RECEIPT

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager



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CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY

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GEOFON LAB COORDINATOR: Scott Eschner  
 LAB COORDINATOR'S PHONE: 909 396 7662  
 PROJECT NAME: PL #3  
 PROJECT LOCATION: Annals  
 PROJECT PHONE NUMBER: 909 396 7662  
 PROJECT CONTACT: Scott Eschner  
 CITY, STATE AND ZIP CODE: Diamond Bar, CA 91765

Item	Sample Identifier	Matrix		Date	Time	Prescribed	# of Cont.	OC Level	TAT	LABORATORY SERVICE ID	LABORATORY CONTACT	LABORATORY PHONE	LABORATORY ADDRESS	LABORATORY FAX	LABORATORY NAME	MAIL REPORT (COMPANY NAME)	Comments	
		Mark	Date															
1	SWW 33-VPA-041	Air	07/24	0718	None	1	3	None	None	GF 102504-L6	MARK BURKE	958 773 0401	437 N. Cedros Ave	858 773 0401	Geoff Eschner	Geoff Eschner		
2	SWW 33-VPB-042			0733														
3	SWW 33-VPB-043			0735														
4	DUPPLICATE			0820														DUPPLICATE
5	SWW 33-YPC-044			0842														
6	SWW 33-VPB-045			0904														
7	SWW 33-VPF-047			0924														
8	SWW 33-VPB-048			0948														
9	SWW 33-VPT-049			1030														
10	SWW 36-VPA-050			1055														

SAMPLES COLLECTED BY: [Signature]  
 COOLER AND AIR BILL NUMBER: [Blank]  
 COOLER TEMPERATURE UPON RECEIPT: [Blank]  
 SAMPLE'S TEMPERATURE UPON RECEIPT: [Blank]  
 DATE: 10-23-09  
 TIME: 1445

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

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CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY

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Item	Sample Identifier	Matrix		Date	Time	Preserved	# of Cont	OC Level	TAT	LABORATORY SERVICE ID	LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)	LABORATORY PHONE	LABORATORY FAX	LABORATORY ADDRESS	CITY, STATE AND ZIP CODE	CLIENT	PROJECT NUMBER	PROJECT FAX	LABORATORY PHONE	LABORATORY FAX	LABORATORY ADDRESS	CITY, STATE AND ZIP CODE	RECIPIENT NAME	RECIPIENT ADDRESS	CITY, STATE AND ZIP CODE	Comments	Samp		
		LABORATORY PHONE	LABORATORY FAX																											
1	SNW 36-YPB-051	Air	10/28/04	1218	11:00 AM	1	3	3	ANALYST	6F107504-L6	Maria Corice	GEOFON Inc.	858 992 0401	858 992 0404	497 N. Cedros Ave	San Diego CA 92075	US Navy SW DIV	909 396 1455	N/A	858 992 0401	858 992 0404	497 N. Cedros Ave	San Diego CA 92075	Scott Brahmner	21600 Oak Grove Dr	San Diego CA 92165	14E Golden Springs	11		
2	SNW 36-YPC-052			1240																									11	
3	SNW 36-YPD-053			1302																									11	
4	SNW 36-YPD-054			1305																									11	
5	SNW 36-YPB-055			1347																									11	
6	SNW 36-YPB-056			1412																									11	
7	SNW 32-YPI-057			1434																									11	
8																														
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COOLER TEMPERATURE UPON RECEIPT

SAMPLE'S CONDITION UPON RECEIPT

COURIER AND AIR BILL NUMBER

DATE

TIME

RECEIVED BY

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

1 of 1



**CHAIN-OF-CUSTODY RECORD**

PROJECT DATA MANAGER'S COPY

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GEOFON LAB COORDINATOR		LAB COORDINATOR'S PHONE		LAB COORDINATOR'S FAX		LABORATORY SERVICE ID		LABORATORY CONTACT		MAIL REPORT (COMPANY NAME)									
Geoff Frutkiner		709-296-9662		909-296-1455		6F102504-L6		MARK BURKE		Geofon Inc.									
PROJECT NAME		PROJECT LOCATION		PROJECT NUMBER		LABORATORY PHONE		LABORATORY FAX		RECIPIENT NAME									
VPL #1's		Annual Soil Sampling		413512		888-930-0401		888-930-0404		Scott Frutkiner									
PROJECT CONTACT		PROJECT PHONE NUMBER		PROJECT FAX		LABORATORY ADDRESS		LABORATORY ADDRESS		ADDRESS									
Scott Frutkiner		709-296-9662		N/A		427 N. Cedros Ave		427 N. Cedros Ave		22632 Golden Springs Dr									
PROJECT ADDRESS		CITY, STATE AND ZIP CODE		CLIENT		CITY, STATE AND ZIP CODE		CITY, STATE AND ZIP CODE		CITY, STATE AND ZIP CODE									
500 Orangevale Cir		Orangevale, CA 95668		US Army Cavalry		Orangevale, CA 95668		Orangevale, CA 95668		Orangevale, CA 95668									
PROJECT NUMBER		PROJECT MANAGER'S PHONE		PROJECT MANAGER'S FAX		PROJECT MANAGER'S FAX		PROJECT MANAGER'S FAX		PROJECT MANAGER'S FAX									
A-1-1-1-1-1		709-296-9662		709-296-1455		709-296-1455		709-296-1455		709-296-1455									
Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	OC Level	TAT	Comments	Sart	COUNT #								
												COOLER AND AIR BILL NUMBER	RECEIVED BY	DATE	TIME	COOLER TEMPERATURE UPON RECEIPT	SAMPLE'S CONDITION UPON RECEIPT		
1	SNW22-VPI-058	Air	09/10	0945	None	1*	3	None	#6000 Syringe	27	1								
2	SNW27-VPA-059		0910							31	1								
3	SNW27-VPB-060		0830							32	1								
4	SNW27-VPC-061		0852							33	1								
5	SNW27-VPD-062		0914							34	1								
6	SNW27-VPE-063		0936							35	1								
7	SNW27-VPF-064		0958							36	1								
8	SNW27-VPG-065		1000							37	1								
9	SNW27-VPH-066		11:05							38	1								
10	SNW27-VPI-067		11:15							39	1								
COOLER AND AIR BILL NUMBER										RECEIVED BY		DATE		TIME		COOLER TEMPERATURE UPON RECEIPT		SAMPLE'S CONDITION UPON RECEIPT	
101										Chris Frutkiner		10-29-09		1130					

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager



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**CHAIN-OF-CUSTODY RECORD**

PROJECT DATA MANAGER'S COPY

LAB COORDINATOR: Scott Brehmer  
LAB COORDINATOR'S PHONE: 909 396 7662  
LAB COORDINATOR'S FAX: 909 396 1455

PROJECT NAME: JPL #3  
PROJECT LOCATION: Annual SWW Sampling  
PROJECT NUMBER: 412812  
PROJECT ALIAS: 412812

PROJECT CONTACT: Scott Brehmer  
PROJECT PHONE NUMBER: 909 396 7662  
PROJECT FAX: N/A

PROJECT ADDRESS: 1800 Oak Grove DR  
CITY, STATE AND ZIP CODE: Pasadena, CA 91108  
CLIENT: US Navy Env Div

PROJECT MANAGER: A-carr Fivens  
PROJECT MANAGER'S PHONE: 909 396 7662  
PROJECT MANAGER'S FAX: 909 396 1455

LABORATORY SERVICE ID: 6F10a504L6  
LABORATORY CONTACT: Mark Baska  
LABORATORY ADDRESS: 437 N. Cedros Ave  
CITY, STATE AND ZIP CODE: Soledad, CA 92085

MAIL REPORT COMPANY NAME: GEOFON, Inc.  
RECIPIENT NAME: Scott Brehmer  
ADDRESS: 28632 Golden Springs DR  
CITY, STATE AND ZIP CODE: Diamond Bar, CA 91765

Item	Sample Identifier	Matrix			Time	# of Cont	OC Level	TAT	Comments
		Date	Preserved	Analysed					
1	SVW25-VPB-078	Air	11/04/721	None	1*	3	None	X	1st 60m Syringe
2	SVW25-VPI-079	Air	11/2/04 743	None	1*	3	None	X	
3	SVW25-VPI-080	Air	11/2/04 804	None	1*	3	None	X	
4	SVW19A-VPB-081	Air	11/2/04 833	None	1*	3	None	X	
5	SVW37-VPB-082	Air	11/2/04 855	None	1*	3	None	X	
6	SVW37-VPB-083	Air	11/2/04 919	None	1*	3	None	X	
7	SVW37-VPI-084	Air	11/2/04 942	None	1*	3	None	X	
8	SVW37-VPB-085	Air	11/2/04 1007	None	1*	3	None	X	
9	SVW37-VPI-086 SVW37-VPI-087 Duplicate - 087	Air	11/2/04 1029	None	1*	3	None	X	
10	Duplicate - 087	Air	11/2/04	None	1*	3	None	X	

SAMPLES COLLECTED BY: Scott Brehmer  
DATE: 11/2/04  
TIME: 1415

COOLER AND AIR BILL NUMBER: [Blank]

COOLER TEMPERATURE UPON RECEIPT: [Blank]

SAMPLE LOCATION UPON RECEIPT: [Blank]

RECEIVED BY: [Signature]

DATE: [Blank]

TIME: [Blank]

COOLING: [Blank]

COMING: [Blank]

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

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CHAIN-OF-CUSTODY RECORD

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LAB COORDINATOR'S PHONE	LAB COORDINATOR'S FAX	LABORATORY SERVICE ID	LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)
Scott Brubaker 709 396 7662	709 296 1455	GFDRE04-L6	MARK BURKE	Geofon Inc.
PROJECT NAME	PROJECT NUMBER	LABORATORY PHONE	LABORATORY FAX	REQUENT NAME
SVL #3 Annual Sew Sampling	418012	858 793 0401	858 793 0404	Scott Brubaker
PROJECT CONTACT	PROJECT FAX	LABORATORY ADDRESS	ADDRESS	
Scott Brubaker 709 396 7662	N/A	412 N. Caracas Ave	80622 Golden Springs Dr #370	
PROJECT ADDRESS	CLIENT	CITY, STATE AND ZIPCODE	CITY, STATE AND ZIPCODE	
1800 Casanova Dr	US Army S&D Div	Pasadena, CA 91108	Diamond Bar, CA 91765	
PROJECT MANAGER	PROJECT MANAGER'S FAX	LABORATORY ADDRESS		
Agnes Fajem 709 216 7662	709 296 1455	412 N. Caracas Ave		

Item	Sample Identifier	Matrix			Time	Preserved	# of Cont	OC Level	TAT	Comments
		Date	Date	Date						
1	SVW37-VPJ-088	11/2/04	1158	None	1*	3	None	X	1cc 60cc Syringe	
2	SVW34-VPE-089	11/1/04	1223	None	1*	3	None	X		
3	SVW34-VFF-090	11/2/04	1247	None	1*	3	None	X		
4	SVW38-VPD-091	11/2/04	1315	None	1*	3	None	X		
5	SVW38-VPJ-092	11/2/04	1333	None	1*	3	None	X		
6	SVW38-VPJ-093	11/2/04	1353	None	1*	3	None	X		
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SAMPLES COLLECTED BY: <i>Shawn Williams</i>	COURTESY AND AIR BILL NUMBER:	COOLER TEMPERATURE LOG/RECIPT
RECEIVED BY: <i>Scott Brubaker</i>	DATE: 11/2/04	SAMPLE CONDITION LOG/RECIPT
	TIME: 1413	

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Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager



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**CHAIN-OF-CUSTODY RECORD**

PROJECT DATA MANAGER'S COPY

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Item	Sample Identifier	Matrix			Date	Time	# of Cont	Preserved	QC Level	TAT	Comments
		LAB COORDINATOR'S PHONE	LAB COORDINATOR'S FAX	LABORATORY CONTACT							
1	SVW35-VPB-068	Air	11/10/04	857	None	1*	3	None	None	X	1st 6000 Syringe
2	SVW35-VPE-069	Air	11/10/04	919	None	1*	3	None	None	X	
3	SVW28-VPA-070	Air	11/10/04	957	None	1*	3	None	None	X	
4	SVW28-VPB-071	Air	11/10/04	1019	None	1*	3	None	None	X	
5	SVW28-VPE-072	Air	11/10/04	1041	None	1*	3	None	None	X	
6	SVW26-VPF-073	Air	11/10/04	1113	None	1*	3	None	None	X	
7	SVW26-VPG-074	Air	11/10/04	1135	None	1*	3	None	None	X	
8	SVW26-VPH-075	Air	11/10/04	1157	None	1*	3	None	None	X	
9	Duplicate --076	Air	11/10/04		None	1*	3	None	None	X	
10	SVW25-VPA-077	Air	11/10/04	1255	None	1*	3	None	None	X	

SAMPLES COLLECTED BY: <i>Shawn C. Vining</i>	COOLER AND AIR BILL NUMBER:	COOLER TEMPERATURE UPON RECEIPT:
RELINQUISHED BY: <i>Shawn C. Vining</i>	DATE: 11-1-04	TIME: 1300
LABORATORY CONTACT: <i>Scott Kanner</i>	LABORATORY PHONE: 909 396 7662	LABORATORY ADDRESS: 437 W. Cedros Ave
LABORATORY FAX: 909 396 1455	LABORATORY CITY, STATE AND ZIP CODE: Diamond Bar, CA 91765	LABORATORY MAIL REPORT (COMPANY NAME): Geofon Inc.
PROJECT CONTACT: <i>Scott Kanner</i>	PROJECT PHONE NUMBER: 909 396 7662	PROJECT ADDRESS: 4800 Calmar Dr
PROJECT PHONE: 909 396 7662	PROJECT CITY, STATE AND ZIP CODE: Diamond Bar, CA 91765	PROJECT MAIL REPORT (COMPANY NAME): Geofon Inc.
PROJECT FAX: 909 396 1455	PROJECT PROJECT NUMBER: 709 296 1455	PROJECT CITY, STATE AND ZIP CODE: Diamond Bar, CA 91765

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

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CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY

LABORATORY CONTACT: **Scott Blomher**  
 PROJECT NAME: **SPL #3**  
 PROJECT CONTACT: **Scott Blomher**  
 PROJECT ADDRESS: **4800 DAIL GLENN DR PASADENA CA 91108**  
 PROJECT MANAGER: **Azal Kallman**  
 LAB COORDINATOR'S NAME: **Scott Blomher**  
 LAB COORDINATOR'S PHONE: **909 376 7662**  
 PROJECT NUMBER: **909 376 7662**  
 CITY, STATE AND ZIP CODE: **PASADENA CA 91108**  
 PROJECT MANAGER'S PHONE: **909 376 7662**  
 LAB COORDINATOR'S FAX: **909 376 1455**  
 PROJECT NUMBER: **0912812**  
 PROJECT MANAGER'S FAX: **909 376 1455**  
 LAB REPORT COMPANY NAME: **Cooper INC.**  
 RECEIPT NAME: **SCOTT BLOMHER**  
 ADDRESS: **22632 GOLDEN SPRINGS DR.**  
 CITY, STATE AND ZIP CODE: **PASADENA CA 91108**

IC	Sample Identifier	Matrix		Date	Time	Preserved	# of Cont.	QC Level	TAT	Comments
		Air	Soil							
1	SVW6-VPB-094	Air	Soil	11/2/04	746	NA	1*	3	NA	1* GOAL SYRINGE
2	SVW6-VPB-095	Air	Soil	11/2/04	815	NA	1*	3	NA	
3	SVW6-VPE-096	Air	Soil	11/2/04	838	NA	1*	3	NA	
4	SVW15-VPB-097	Air	Soil	11/2/04	909	NA	1*	3	NA	
5	SVW15-VPC-098	Air	Soil	11/2/04	938	NA	1*	3	NA	
6	SVW15-VPC-099	Air	Soil	11/2/04		NA	1*	3	NA	
7	SVW15-VPD-100	Air	Soil	11/2/04	1002	NA	1*	3	NA	
8	SVW15-VPC-101	Air	Soil	11/2/04	1058	NA	1*	3	NA	
9	SVW29-VPF-102	Air	Soil	11/3/04	1146	NA	1*	3	NA	
10	SVW29-VPF-103	Air	Soil	11/3/04	1244	NA	1*	3	NA	

SAMPLES COLLECTED BY: **Scott Blomher**  
 COURIER AND AIR BILL NUMBER:  
 RECEIVED BY: **Scott Blomher**  
 DATE: **11/3/04**  
 TIME: **17:00**  
 COOLER TEMPERATURE UPON RECEIPT:  
 SAMPLE'S CONDITION UPON RECEIPT:

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

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**APPENDIX B-3:**

**DAILY OPENING, CLOSING, AND CONTINUING CALIBRATION  
VERIFICATION REPORTS**

QA/QC CALIBRATION DATA

DATE: 02/02/04  
 H&P Project #GF020204-L6  
 LAB-6  
 SUPPLY SOURCE: CONTINUING CALIBRATION (OPENING) SUPELCO LOT #LSS-773  
 SUPPLY SOURCE: QUALITY CONTROL (CLOSING) SUPELCO LOT #LSS-774  
 INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

COMPOUND	OPENING STANDARD			2ND SOURCE (1ug/L) CLOSING		
	MASS	RESULT	%DIFF	MASS	RESULT	%DIFF
CARBON TETRACHLORIDE	50	51.2	2.4%	50.0	49.1	1.8%
CHLOROETHANE	50	56.5	13.0%	50.0	54.9	9.8%
CHLOROFORM	50	54.0	8.0%	50.0	54.0	8.0%
1,1-DICHLORO ETHANE	50	56.7	13.4%	50.0	57.0	14.0%
1,2-DICHLORO ETHANE	50	54.2	8.4%	50.0	52.3	4.6%
1,1-DICHLORO ETHENE	50	54.7	9.4%	50.0	54.5	9.0%
CIS-1,2-DICHLORO ETHENE	50	54.9	9.8%	50.0	53.4	6.8%
TRANS-1,2-DICHLORO ETHENE	50	56.1	12.2%	50.0	55.5	11.0%
DICHLOROMETHANE	50	56.6	13.2%	50.0	56.7	13.4%
TETRACHLORO ETHENE	50	53.9	7.8%	50.0	52.3	4.6%
1,1,1,2-TETRACHLORO ETHANE	50	56.5	13.0%	50.0	55.6	11.2%
1,1,2,2-TETRACHLORO ETHANE	50	55.2	10.4%	50.0	48.5	3.0%
1,1,1-TRICHLORO ETHANE	50	51.5	3.0%	50.0	49.8	0.4%
1,1,2-TRICHLORO ETHANE	50	53.4	6.8%	50.0	52.3	4.6%
TRICHLORO ETHENE	50	51.6	3.2%	50.0	50.9	1.8%
VINYL CHLORIDE	50	56.0	12.0%	50.0	54.1	8.2%
TRICHLOROFLUOROMETHANE (FR11)	50	58.1	16.2%	50.0	57.7	15.4%
DICHLORODIFLUOROMETHANE (FR12)	50	51.9	3.8%	50.0	53.6	7.2%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	57.2	14.4%	50.0	55.2	10.4%
BENZENE	50	56.8	13.6%	50.0	56.4	12.8%
CHLOROBENZENE	50	53.6	7.2%	50.0	54.0	8.0%
ETHYLBENZENE	50	55.9	11.8%	50.0	54.9	9.8%
TOLUENE	50	53.8	7.6%	50.0	53.1	6.2%
m&p-XYLENES	100	113	13.1%	100.0	112	12.0%
o-XYLENE	50	55.3	10.6%	50.0	54.7	9.4%

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #1561  
 ANALYSES PERFORMED BY: MARK BURKE  
 DATA REVIEWED BY: TAMARA DAVIS

SOIL GAS INITIAL LCS STANDARD REPORT (CALIBRATION VERIFICATION)

LAB: Lab 6

SUPPLY SOURCE: SUPELCO LOT #LSS-828

INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

COMPOUND	CAL DATE	MASS	RT	RESULT	%DIFF
CARBON TETRACHLORIDE	1/28/2004	50	8.5	51.3	2.6%
CHLOROETHANE	1/28/2004	50	3.3	55.2	10.4%
CHLOROFORM	1/28/2004	50	8.1	54.3	8.6%
1,1-DICHLORO ETHANE	1/28/2004	50	7.4	54.3	8.6%
1,2-DICHLORO ETHANE	1/28/2004	50	8.6	53.3	6.6%
1,1-DICHLORO ETHENE	1/28/2004	50	6.4	52.8	5.6%
CIS-1,2-DICHLORO ETHENE	1/28/2004	50	7.9	54.7	9.4%
TRANS-1,2-DICHLORO ETHENE	1/28/2004	50	7.1	53.4	6.8%
DICHLOROMETHANE	1/28/2004	50	6.8	52.9	5.8%
TETRACHLORO ETHENE	1/28/2004	50	10.8	52.9	5.8%
1,1,1,2-TETRACHLORO ETHANE	1/28/2004	50	11.7	53.0	6.0%
1,1,2,2-TETRACHLORO ETHANE	1/28/2004	50	12.7	49.0	2.0%
1,1,1-TRICHLORO ETHANE	1/28/2004	50	8.4	52.3	4.6%
1,1,2-TRICHLORO ETHANE	1/28/2004	50	10.6	51.9	3.8%
TRICHLORO ETHENE	1/28/2004	50	9.2	53.1	6.2%
VINYL CHLORIDE	1/28/2004	50	2.7	55.8	11.6%
TRICHLOROFLUOROMETHANE (FR11)	1/28/2004	50	3.6	53.2	6.4%
DICHLORODIFLUOROMETHANE (FR12)	1/28/2004	50	2.3	50.7	1.4%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	1/28/2004	50	6.3	53.5	7.0%
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BENZENE	1/28/2004	50	8.7	54.8	9.6%
ETHYLBENZENE	1/28/2004	50	11.7	55.4	10.8%
TOLUENE	1/28/2004	50	10.3	54.0	8.0%
m&p-XYLENES	1/28/2004	100	11.7	109	9.0%
o-XYLENE	1/28/2004	50	12.2	54.3	8.6%

ANALYSES PERFORMED IN CA DOHS MOBILE LABORATORY #1561

ANALYSES PERFORMED BY: MARK BURKE

DATA REVIEWED BY: TAMARA DAVIS

QA/QC CALIBRATION DATA

COMPOUND	OPENING STANDARD			2ND SOURCE (1ug/L) CLOSING		
	MASS	RESULT	%DIFF	MASS	RESULT	%DIFF
CARBON TETRACHLORIDE	50	49.3	1.4%	50	51.8	3.6%
CHLOROFORM	50	52.8	5.6%	50	55.8	11.6%
1,1-DICHLORO ETHANE	50	56.3	12.6%	50	58.9	17.8%
1,2-DICHLORO ETHANE	50	52.4	4.8%	50	55.2	10.4%
1,1-DICHLORO ETHENE	50	53.4	6.8%	50	52.2	4.4%
CIS-1,2-DICHLORO ETHENE	50	49.4	1.2%	50	54.7	9.4%
TRANS-1,2-DICHLORO ETHENE	50	54.5	9.0%	50	56.7	13.4%
DICHLOROMETHANE	50	56.4	12.8%	50	59.8	19.6%
TETRACHLORO ETHENE	50	51.0	2.0%	50	55.7	11.4%
1,1,1,2-TETRACHLORO ETHANE	50	55.8	11.6%	50	59.4	18.8%
1,1,1,2,2-TETRACHLORO ETHANE	50	49.2	1.6%	50	52.8	5.6%
1,1,1-TRICHLORO ETHANE	50	47.6	4.8%	50	49.2	1.6%
1,1,2-TRICHLORO ETHANE	50	51.1	2.2%	50	54.9	9.8%
TRICHLORO ETHENE	50	45.9	8.2%	50	46.7	6.6%
VINYL CHLORIDE	50	59.8	19.6%	50	62.0	24.0%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	58.4	16.8%	50	60.2	20.4%
BENZENE	50	56.2	12.4%	50	59.9	19.8%
CHLOROBENZENE	50	52.0	4.0%	50	54.7	9.4%
ETHYLBENZENE	50	53.5	7.0%	50	55.8	11.6%
TOLUENE	50	49.4	1.2%	50	51.4	2.8%
m&p-XYLENES	100	112	12.0%	100	118	18.0%
o-XYLENE	50	53.8	7.6%	50	56.4	12.8%

DATE: 04/06/04 SUPPLY SOURCE: CONTINUING CALIBRATION (OPENING) SUPELCO LOT #LSS-856

HP Labs Project #GF040604-L6 SUPPLY SOURCE: QUALITY CONTROL (CLOSING) SUPELCO LOT #LSS-857

LAB-6 INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #1561

ANALYSES PERFORMED BY: MARK BURKE

DATA REVIEWED BY: TAMARA DAVIS

QA/QC CALIBRATION DATA

DATE: 04/07/04  
 HP Labs Project #GF040604-L6  
 LAB-6

SUPPLY SOURCE: CONTINUING CALIBRATION (OPENING) SUPELCO LOT #LSS-856  
 SUPPLY SOURCE: QUALITY CONTROL (CLOSING) SUPELCO LOT #LSS-857  
 INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

COMPOUND	OPENING STANDARD		%DIFF	2ND SOURCE (1ug/L) CLOSING		%DIFF
	MASS	RESULT		MASS	RESULT	
CARBON TETRACHLORIDE	50	49.1	1.8%	50	49.6	0.8%
CHLOROFORM	50	51.3	2.6%	50	53.6	7.2%
1,1-DICHLORO ETHANE	50	55.2	10.4%	50	56.8	13.6%
1,2-DICHLORO ETHANE	50	51.1	2.2%	50	52.4	4.8%
1,1-DICHLORO ETHENE	50	51.4	2.8%	50	49.7	0.6%
CIS-1,2-DICHLORO ETHENE	50	52.4	4.8%	50	53.2	6.4%
TRANS-1,2-DICHLORO ETHENE	50	53.7	7.4%	50	52.8	5.6%
DICHLOROMETHANE	50	55.8	11.6%	50	57.1	14.2%
TETRACHLORO ETHENE	50	52.9	5.8%	50	54.4	8.8%
1,1,1,2-TETRACHLORO ETHANE	50	55.6	11.2%	50	58.8	17.6%
1,1,2,2-TETRACHLORO ETHANE	50	51.4	2.8%	50	48.3	3.4%
1,1,1-TRICHLORO ETHANE	50	47.7	4.6%	50	46.6	6.8%
1,1,2-TRICHLORO ETHANE	50	50.2	0.4%	50	52.1	4.2%
TRICHLORO ETHENE	50	47.3	5.4%	50	45.0	10.0%
VINYL CHLORIDE	50	59.8	19.6%	50	62.3	24.6%
1,1,2-TRICHLORO TRIFLUOROETHANE (FR113)	50	58.3	12.6%	50	58.5	17.0%
BENZENE	50	55.5	11.0%	50	58.1	16.2%
CHLOROBENZENE	50	53.0	6.0%	50	53.9	7.8%
ETHYLBENZENE	50	55.1	10.2%	50	56.2	12.4%
TOLUENE	50	50.9	1.8%	50	49.8	0.4%
m&p-XYLENES	100	112	12.0%	100	115	15.0%
o-XYLENE	50	54.5	9.0%	50	56.1	12.2%

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #1561

ANALYSES PERFORMED BY: MARK BURKE

DATA REVIEWED BY: TAMARA DAVIS

QA/QC - CALIBRATION DATA

DATE: 04/07/04		CALIBRATION VERIFICATION	
HP Labs Project #GF040604-L6		SUPPLY SOURCE: SUPELCO LOT #LSS-856	
Lab 6		INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER	
COMPOUND	MASS	RESPONSE	%DIFF
CONTINUING STANDARD			
CARBON TETRACHLORIDE	50	51.0	2.0%
CHLOROFORM	50	55.4	10.8%
1,1-DICHLORO ETHANE	50	59.0	18.0%
1,2-DICHLORO ETHANE	50	54.4	8.8%
1,1-DICHLORO ETHENE	50	51.4	2.8%
CIS-1,2-DICHLORO ETHENE	50	51.8	3.6%
TRANS-1,2-DICHLORO ETHENE	50	55.5	11.0%
DICHLOROMETHANE	50	59.9	19.8%
TETRACHLORO ETHENE	50	54.3	8.6%
1,1,1,2-TETRACHLORO ETHANE	50	59.7	19.4%
1,1,2,2-TETRACHLORO ETHANE	50	52.6	5.2%
1,1,1-TRICHLORO ETHANE	50	49.2	1.6%
1,1,2-TRICHLORO ETHANE	50	56.3	12.6%
TRICHLORO ETHENE	50	46.1	7.8%
VINYL CHLORIDE	50	59.8	19.6%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	59.9	19.7%
BENZENE	50	59.9	19.8%
CHLOROBENZENE	50	53.0	6.0%
ETHYLBENZENE	50	55.3	10.6%
TOLUENE	50	50.7	1.4%
m&p-XYLENES	100	117	17.0%
o-XYLENE	50	55.0	10.0%

ANALYSES PERFORMED ON-SITE IN DOHS CERTIFIED MOBILE LABORATORY (CERT #1561)

ANALYSES PERFORMED BY: MARK BURKE

DATA REVIEWED BY: TAMARA DAVIS

QA/QC CALIBRATION DATA

DATE: 04/08/04  
 HP Labs Project #GF040604-L6  
 LAB-6

SUPPLY SOURCE: CONTINUING CALIBRATION (OPENING) SUPELCO LOT #LSS-856  
 SUPPLY SOURCE: QUALITY CONTROL (CLOSING) SUPELCO LOT #LSS-857  
 INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

COMPOUND	OPENING STANDARD			2ND SOURCE (1ug/L) CLOSING		
	MASS	RESULT	%DIFF	MASS	RESULT	%DIFF
CARBON TETRACHLORIDE	50	48.6	2.8%	50	48.1	3.8%
CHLOROFORM	50	51.9	3.8%	50	53.1	6.2%
1,1-DICHLORO ETHANE	50	55.5	11.0%	50	56.1	12.2%
1,2-DICHLORO ETHANE	50	50.5	1.0%	50	51.5	3.0%
1,1-DICHLORO ETHENE	50	53.0	6.0%	50	52.2	4.4%
CIS-1,2-DICHLORO ETHENE	50	53.0	6.0%	50	53.0	6.0%
TRANS-1,2-DICHLORO ETHENE	50	54.2	8.4%	50	54.7	9.4%
DICHLOROMETHANE	50	56.3	12.6%	50	58.4	16.8%
TETRACHLORO ETHENE	50	53.4	6.8%	50	53.6	7.2%
1,1,1,2-TETRACHLORO ETHANE	50	56.3	12.6%	50	58.9	17.8%
1,1,2,2-TETRACHLORO ETHANE	50	50.5	1.0%	50	51.6	3.2%
1,1,1-TRICHLORO ETHANE	50	47.5	5.0%	50	47.5	5.0%
1,1,2-TRICHLORO ETHANE	50	49.5	1.0%	50	52.0	4.0%
TRICHLORO ETHENE	50	46.3	7.4%	50	46.0	8.0%
VINYL CHLORIDE	50	59.4	18.8%	50	62.3	24.6%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	56.0	12.0%	50	57.9	15.8%
BENZENE	50	55.5	11.0%	50	57.9	15.8%
CHLOROBENZENE	50	53.7	7.4%	50	54.2	8.4%
ETHYLBENZENE	50	55.1	10.2%	50	55.4	10.8%
TOLUENE	50	49.0	2.0%	50	49.4	1.2%
m&p-XYLENES	100	113	13.0%	100	114	14.0%
o-XYLENE	50	55.1	10.2%	50	55.2	10.4%

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #1561

ANALYSES PERFORMED BY: MARK BURKE

DATA REVIEWED BY: TAMARA DAVIS

QA/QC CALIBRATION DATA

COMPOUND	OPENING STANDARD			2ND SOURCE (1ug/L) CLOSING		
	MASS	RESULT	%DIFF	MASS	RESULT	%DIFF
CARBON TETRACHLORIDE	50	47.8	4.4%	50	48.7	2.6%
CHLOROFORM	50	51.7	3.4%	50	55.1	10.2%
1,1-DICHLORO ETHANE	50	54.2	8.4%	50	58.5	17.0%
1,2-DICHLORO ETHANE	50	49.4	1.2%	50	52.9	5.8%
1,1-DICHLORO ETHENE	50	51.4	2.8%	50	52.9	5.8%
CIS-1,2-DICHLORO ETHENE	50	52.6	5.2%	50	54.1	8.2%
TRANS-1,2-DICHLORO ETHENE	50	52.5	5.0%	50	55.1	10.2%
DICHLOROMETHANE	50	53.8	7.6%	50	58.9	17.8%
TETRACHLORO ETHENE	50	51.6	3.2%	50	55.5	11.0%
1,1,1,2-TETRACHLORO ETHANE	50	54.4	8.8%	50	59.4	18.8%
1,1,2,2-TETRACHLORO ETHANE	50	50.9	1.8%	50	52.9	5.8%
1,1,1-TRICHLORO ETHANE	50	48.0	4.0%	50	48.2	3.6%
1,1,2-TRICHLORO ETHANE	50	51.1	2.2%	50	55.1	10.2%
TRICHLORO ETHENE	50	47.1	5.8%	50	47.4	5.2%
VINYL CHLORIDE	50	59.2	18.4%	50	62.3	24.6%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	55.5	11.0%	50	56.8	13.6%
BENZENE	50	54.8	9.6%	50	58.8	17.8%
CHLOROBENZENE	50	52.0	4.0%	50	54.7	9.4%
ETHYLBENZENE	50	53.0	6.0%	50	56.7	13.4%
TOLUENE	50	50.6	1.2%	50	49.9	0.2%
m&p-XYLENES	100	110	10.0%	100	114	14.0%
o-XYLENE	50	52.4	4.8%	50	56.3	12.6%

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #1561

ANALYSES PERFORMED BY: MARK BURKE

DATA REVIEWED BY: TAMARA DAVIS

DATE: 04/09/04  
 HP Labs Project #GF040604-L6  
 LAB-6

SUPPLY SOURCE: CONTINUING CALIBRATION (OPENING) SUPELCO LOT #LSS-856  
 SUPPLY SOURCE: QUALITY CONTROL (CLOSING) SUPELCO LOT #LSS-857  
 INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

SOIL GAS INITIAL LCS STANDARD REPORT (CALIBRATION VERIFICATION)

LAB: Lab 6

SUPPLY SOURCE: SUPELCO LOT #LSS-836

INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

COMPOUND	CAL DATE	MASS	RESULT	%DIFF
CARBON TETRACHLORIDE	3/1/2004	50	48.2	3.6%
CHLOROETHANE	3/1/2004	50	53.1	6.2%
CHLOROFORM	3/1/2004	50	49.5	1.0%
1,1-DICHLORO ETHANE	3/1/2004	50	49.3	1.4%
1,2-DICHLORO ETHANE	3/1/2004	50	49.5	1.0%
1,1-DICHLORO ETHENE	3/1/2004	50	51.5	3.0%
CIS-1,2-DICHLORO ETHENE	3/1/2004	50	50.3	0.6%
TRANS-1,2-DICHLORO ETHENE	3/1/2004	50	51.0	2.0%
DICHLOROMETHANE	3/1/2004	50	49.2	1.6%
TETRACHLORO ETHENE	3/1/2004	50	51.9	3.8%
1,1,1,2-TETRACHLORO ETHANE	3/1/2004	50	51.1	2.2%
1,1,2,2-TETRACHLORO ETHANE	3/1/2004	50	46.1	7.8%
1,1,1-TRICHLORO ETHANE	3/1/2004	50	48.0	4.0%
1,1,2-TRICHLORO ETHANE	3/1/2004	50	46.7	6.6%
TRICHLORO ETHENE	3/1/2004	50	48.4	3.2%
VINYL CHLORIDE	3/1/2004	50	52.0	4.0%
TRICHLOROFLUOROMETHANE (FR11)	3/1/2004	50	50.3	0.6%
DICHLORODIFLUOROMETHANE (FR12)	3/1/2004	50	49.0	2.0%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	3/1/2004	50	49.7	0.6%
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BENZENE	3/1/2004	50	50.5	1.0%
ETHYLBENZENE	3/1/2004	50	50.9	1.8%
TOLUENE	3/1/2004	50	48.8	2.4%
m&p-XYLENES	3/1/2004	100	107	7.0%
o-XYLENE	3/1/2004	50	53.3	6.6%

ANALYSES PERFORMED IN CA DOHS MOBILE LABORATORY #1561

ANALYSES PERFORMED BY: MARK BURKE

DATA REVIEWED BY: TAMARA DAVIS

QA/QC CALIBRATION DATA

DATE: 07/14/04  
 HP Labs Project #GF071404-L6  
 LAB-6

SUPPLY SOURCE: CONTINUING CALIBRATION (OPENING) SUPELCO LOT #LSS-856  
 SUPPLY SOURCE: QUALITY CONTROL (CLOSING) SUPELCO LOT #LSS-857  
 INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

COMPOUND	OPENING STANDARD		%DIFF	2ND SOURCE (1ug/L) CLOSING		%DIFF
	MASS	RESULT		MASS	RESULT	
CARBON TETRACHLORIDE	50	53.1	6.2%	50	44.0	12.0%
CHLOROETHANE	50	51.2	2.4%	50	52.6	5.2%
CHLOROFORM	50	50.3	0.6%	50	48.1	3.8%
1,1-DICHLORO ETHANE	50	50.2	0.4%	50	49.0	2.0%
1,2-DICHLORO ETHANE	50	50.5	1.0%	50	50.0	0.0%
1,1-DICHLORO ETHENE	50	49.5	1.0%	50	52.0	4.0%
CIS-1,2-DICHLORO ETHENE	50	50.0	0.0%	50	46.5	7.0%
TRANS-1,2-DICHLORO ETHENE	50	50.7	1.4%	50	50.8	1.6%
DICHLOROMETHANE	50	49.2	1.6%	50	53.4	6.8%
TETRACHLORO ETHENE	50	51.6	3.2%	50	48.5	3.0%
1,1,1,2-TETRACHLORO ETHANE	50	49.5	1.0%	50	41.9	16.2%
1,1,1,2-TETRACHLORO ETHANE	50	52.9	5.8%	50	52.4	4.8%
1,1,1-TRICHLORO ETHANE	50	53.0	6.0%	50	45.9	8.2%
1,1,2-TRICHLORO ETHANE	50	49.0	2.0%	50	48.7	2.6%
TRICHLORO ETHENE	50	49.3	1.4%	50	46.9	6.2%
VINYL CHLORIDE	50	49.7	0.6%	50	51.9	3.8%
TRICHLOROFLUOROMETHANE (FR11)	50	50.1	0.2%	50	51.6	3.2%
DICHLORODIFLUOROMETHANE (FR12)	50	51.4	2.8%	50	47.6	4.8%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	48.8	2.4%	50	49.3	1.4%
BENZENE	50	48.3	3.4%	50	46.8	6.4%
CHLOROBENZENE	50	49.8	0.4%	50	47.8	4.4%
ETHYLBENZENE	50	49.4	1.2%	50	46.8	6.4%
TOLUENE	50	49.7	0.6%	50	48.2	3.6%
m&p-XYLENES	100	97.3	2.7%	100	92.9	7.1%
o-XYLENE	50	48.2	3.6%	50	45.4	9.2%

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #2579

ANALYSES PERFORMED BY: MARK BURKE

DATA REVIEWED BY: TAMARA DAVIS

QA/QC - CALIBRATION DATA

DATE: 07/14/04		CALIBRATION VERIFICATION	
HP Labs Project #GF071404-L6		SUPPLY SOURCE: SUPELCO LOT #LSS-886	
Lab 6		INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER	
COMPOUND	MASS	CONTINUING STANDARD RESULT	%DIFF
CARBON TETRACHLORIDE	50	44.9	10.2%
CHLOROETHANE	50	51.9	3.8%
CHLOROFORM	50	49.7	0.6%
1,1-DICHLORO ETHANE	50	49.6	0.8%
1,2-DICHLORO ETHANE	50	52.4	4.8%
1,1-DICHLORO ETHENE	50	53.4	6.8%
CIS-1,2-DICHLORO ETHENE	50	49.2	1.6%
TRANS-1,2-DICHLORO ETHENE	50	53.9	7.8%
DICHLOROMETHANE	50	53.6	7.2%
TETRACHLORO ETHENE	50	49.9	0.2%
1,1,1,2-TETRACHLORO ETHANE	50	46.4	7.2%
1,1,2,2-TETRACHLORO ETHANE	50	54.2	8.4%
1,1,1-TRICHLORO ETHANE	50	47.2	5.6%
1,1,2-TRICHLORO ETHANE	50	51.9	3.8%
TRICHLORO ETHENE	50	47.6	4.8%
VINYL CHLORIDE	50	52.7	5.4%
TRICHLOROFLUOROMETHANE (FR11)	50	53.6	7.2%
DICHLORODIFLUOROMETHANE (FR12)	50	48.2	3.6%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	50.3	0.6%
BENZENE	50	48.6	2.8%
CHLOROBENZENE	50	49.9	0.2%
ETHYLBENZENE	50	49.4	1.2%
TOLUENE	50	49.3	1.4%
m&p-XYLENES	100	98.7	1.3%
o-XYLENE	50	49.1	1.8%

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

ANALYSES PERFORMED BY: MARK BURKE

DATA REVIEWED BY: TAMARA DAVIS

SOIL GAS INITIAL LCS STANDARD REPORT (CALIBRATION VERIFICATION)

LAB: Lab 6

SUPPLY SOURCE: SUPELCO LOT #LSS-915

INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

COMPOUND	CAL DATE	MASS	RESULT	%DIFF
CARBON TETRACHLORIDE	9/30/2004	50	54.5	-9.0%
CHLOROETHANE	9/30/2004	50	47.6	4.8%
CHLOROFORM	9/30/2004	50	50.0	0.0%
1,1-DICHLORO ETHANE	9/30/2004	50	49.7	0.6%
1,2-DICHLORO ETHANE	9/30/2004	50	51.4	-2.8%
1,1-DICHLORO ETHENE	9/30/2004	50	48.9	2.2%
CIS-1,2-DICHLORO ETHENE	9/30/2004	50	52.9	-5.8%
TRANS-1,2-DICHLORO ETHENE	9/30/2004	50	49.1	1.8%
DICHLOROMETHANE	9/30/2004	50	46.7	6.6%
TETRACHLORO ETHENE	9/30/2004	50	47.8	4.4%
1,1,1,2-TETRACHLORO ETHANE	9/30/2004	50	48.7	2.6%
1,1,2,2-TETRACHLORO ETHANE	9/30/2004	50	52.3	-4.6%
1,1,1-TRICHLORO ETHANE	9/30/2004	50	51.7	-3.4%
1,1,2-TRICHLORO ETHANE	9/30/2004	50	51.2	-2.4%
TRICHLORO ETHENE	9/30/2004	50	50.5	-1.0%
VINYL CHLORIDE	9/30/2004	50	47.0	6.0%
TRICHLOROFLUOROMETHANE (FR11)	9/30/2004	50	47.3	5.4%
DICHLORODIFLUOROMETHANE (FR12)	9/30/2004	50	49.7	0.6%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	9/30/2004	50	45.0	10.0%
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BENZENE	9/30/2004	50	51.2	-2.4%
ETHYLBENZENE	9/30/2004	50	51.0	-2.0%
TOLUENE	9/30/2004	50	50.5	-1.0%
m&p-XYLENES	9/30/2004	100	103.9	-3.9%
o-XYLENE	9/30/2004	50	51.8	-3.6%

ANALYSES PERFORMED IN CA DOHS MOBILE LABORATORY #2579

ANALYSES PERFORMED BY: MARK BURKE

DATA REVIEWED BY: TAMARA DAVIS

## QA/QC CALIBRATION DATA

DATE: 10/25/04  
 HP Labs Project #GF 102504-L6  
 LAB-6

SUPPLY SOURCE: CONTINUING CALIBRATION (OPENING) SUPELCO LOT #LSS-917  
 SUPPLY SOURCE: QUALITY CONTROL (CLOSING) SUPELCO LOT #LSS-915  
 INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

COMPOUND	OPENING STANDARD			(1ug/l) 2ND SOURCE		
	MASS	RESULT	%DIFF	MASS	RESULT	%DIFF
CARBON TETRACHLORIDE	50	46.0	8.0%	1	0.76	24.0%
CHLOROETHANE	50	49.3	1.4%	1	1.17	17.0%
CHLOROFORM	50	48.8	2.4%	1	0.99	1.0%
1,1-DICHLORO ETHANE	50	46.7	6.6%	1	0.96	4.0%
1,2-DICHLORO ETHANE	50	49.7	0.6%	1	1.00	0.0%
1,1-DICHLORO ETHENE	50	48.0	4.0%	1	1.12	12.0%
CIS-1,2-DICHLORO ETHENE	50	52.6	5.2%	1	1.09	9.0%
TRANS-1,2-DICHLORO ETHENE	50	48.4	3.2%	1	1.12	12.0%
DICHLOROMETHANE	50	49.7	0.6%	1	1.18	18.0%
TETRACHLORO ETHENE	50	48.4	3.2%	1	1.07	7.0%
1,1,1,2-TETRACHLORO ETHANE	50	46.0	8.0%	1	0.71	29.0%
1,1,2,2-TETRACHLORO ETHANE	50	56.4	12.8%	1	1.02	2.0%
1,1,1-TRICHLORO ETHANE	50	46.7	6.6%	1	0.87	13.0%
1,1,2-TRICHLORO ETHANE	50	55.7	11.4%	1	1.01	1.0%
TRICHLORO ETHENE	50	49.2	1.6%	1	1.03	3.0%
VINYL CHLORIDE	50	48.9	2.2%	1	1.15	15.0%
TRICHLOROFLUOROMETHANE (FR11)	50	49.6	0.8%	1	1.23	23.0%
DICHLORODIFLUOROMETHANE (FR12)	50	55.7	11.4%	1	1.24	24.0%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	48.3	3.4%	1	1.13	13.0%
BENZENE	50	51.2	2.4%	1	1.10	10.0%
CHLOROBENZENE	50	48.4	3.2%	1	1.02	2.0%
ETHYLBENZENE	50	51.4	2.8%	1	1.08	8.0%
TOLUENE	50	51.4	2.8%	1	1.14	14.0%
m&p-XYLENES	100	106	6.0%	2	2.24	12.0%
o-XYLENE	50	53.2	6.4%	1	1.10	10.0%

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #2579

ANALYSES PERFORMED BY: MARK BURKE

DATA REVIEWED BY: TAMARA DAVIS

## QA/QC CALIBRATION DATA

DATE: 10/26/04  
 HP Labs Project #GF 102504-L6  
 LAB-6

SUPPLY SOURCE: CONTINUING CALIBRATION (OPENING) SUPELCO LOT #LSS-917  
 SUPPLY SOURCE: QUALITY CONTROL (CLOSING) SUPELCO LOT #LSS-915  
 INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

COMPOUND	OPENING STANDARD			(1ug/l) 2ND SOURCE		
	MASS	RESULT	%DIFF	MASS	RESULT	%DIFF
CARBON TETRACHLORIDE	50	42.8	14.4%	50	40.1	19.8%
CHLOROETHANE	50	54.4	8.8%	50	58.3	16.6%
CHLOROFORM	50	47.1	5.7%	50	47.7	4.6%
1,1-DICHLORO ETHANE	50	46.4	7.2%	50	48.7	2.6%
1,2-DICHLORO ETHANE	50	46.5	7.0%	50	49.5	1.0%
1,1-DICHLORO ETHENE	50	52.4	4.8%	50	59.0	18.0%
CIS-1,2-DICHLORO ETHENE	50	51.9	3.8%	50	53.8	7.6%
TRANS-1,2-DICHLORO ETHENE	50	51.3	2.6%	50	58.2	16.4%
DICHLOROMETHANE	50	49.9	0.2%	50	57.0	14.0%
TETRACHLORO ETHENE	50	51.6	3.2%	50	53.6	7.2%
1,1,1,2-TETRACHLORO ETHANE	50	43.8	12.4%	50	42.2	15.6%
1,1,2,2-TETRACHLORO ETHANE	50	53.4	6.8%	50	48.0	4.0%
1,1,1-TRICHLORO ETHANE	50	44.8	10.4%	50	43.1	13.8%
1,1,2-TRICHLORO ETHANE	50	49.2	1.6%	50	49.6	0.8%
TRICHLORO ETHENE	50	48.8	2.4%	50	51.3	2.6%
VINYL CHLORIDE	50	51.4	2.8%	50	58.6	17.2%
TRICHLOROFLUOROMETHANE (FR11)	50	52.4	4.8%	50	58.6	17.2%
DICHLORODIFLUOROMETHANE (FR12)	50	57.4	14.8%	50	58.0	16.0%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	49.5	1.0%	50	57.2	14.4%
BENZENE	50	51.3	2.6%	50	53.1	6.2%
CHLOROBENZENE	50	49.3	1.4%	50	51.6	3.2%
ETHYLBENZENE	50	51.8	3.6%	50	54.8	9.6%
TOLUENE	50	50.1	0.2%	50	51.0	2.0%
m&p-XYLENES	100	107	7.0%	100	110	9.5%
o-XYLENE	50	52.9	5.8%	50	53.9	7.8%

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #2579

ANALYSES PERFORMED BY: MARK BURKE

DATA REVIEWED BY: TAMARA DAVIS

## QA/QC CALIBRATION DATA

DATE: 10/27/04  
 HP Labs Project #GF 102504-L6  
 LAB-6

SUPPLY SOURCE: CONTINUING CALIBRATION (OPENING) SUPELCO LOT #LSS-917  
 SUPPLY SOURCE: QUALITY CONTROL (CLOSING) SUPELCO LOT #LSS-915  
 INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

COMPOUND	OPENING STANDARD		(1ug/l) 2ND SOURCE		%DIFF
	MASS	RESULT	MASS	RESULT	
CARBON TETRACHLORIDE	50	43.9	50	40.8	12.2%
CHLOROETHANE	50	57.7	50	58.5	15.4%
CHLOROFORM	50	47.1	50	50.2	5.8%
1,1-DICHLORO ETHANE	50	46.6	50	49.9	6.8%
1,2-DICHLORO ETHANE	50	46.1	50	51.5	7.8%
1,1-DICHLORO ETHENE	50	56.2	50	57.7	12.4%
CIS-1,2-DICHLORO ETHENE	50	53.0	50	56.0	6.0%
TRANS-1,2-DICHLORO ETHENE	50	55.5	50	58.0	11.0%
DICHLOROMETHANE	50	55.7	50	59.3	11.4%
TETRACHLORO ETHENE	50	51.5	50	54.4	3.0%
1,1,1,2-TETRACHLORO ETHANE	50	45.7	50	40.7	8.6%
1,1,2,2-TETRACHLORO ETHANE	50	48.3	50	50.8	3.4%
1,1,1-TRICHLORO ETHANE	50	45.7	50	46.3	8.6%
1,1,2-TRICHLORO ETHANE	50	48.7	50	53.3	2.6%
TRICHLORO ETHENE	50	50.8	50	52.2	1.6%
VINYL CHLORIDE	50	57.2	50	59.1	14.4%
TRICHLOROFLUOROMETHANE (FR11)	50	59.0	50	59.9	18.0%
DICHLORODIFLUOROMETHANE (FR12)	50	59.2	50	59.5	18.4%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	56.5	50	59.8	13.0%
BENZENE	50	51.9	50	54.4	3.8%
CHLOROBENZENE	50	50.9	50	52.7	1.8%
ETHYLBENZENE	50	53.0	50	53.5	6.0%
TOLUENE	50	50.9	50	52.8	1.8%
m&p-XYLENES	100	110	100	109	10.0%
o-XYLENE	50	54.8	50	54.1	9.6%

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #2579

ANALYSES PERFORMED BY: MARK BURKE

DATA REVIEWED BY: TAMARA DAVIS

## QA/QC CALIBRATION DATA

DATE: 10/28/04  
 HP Labs Project #GF102504-L6  
 LAB-6

SUPPLY SOURCE: CONTINUING CALIBRATION (OPENING) SUPELCO LOT #LSS-917  
 SUPPLY SOURCE: QUALITY CONTROL (CLOSING) SUPELCO LOT #LSS-915  
 INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

COMPOUND	OPENING STANDARD			(1ug/l) 2ND SOURCE		
	MASS	RESULT	%DIFF	MASS	RESULT	%DIFF
CARBON TETRACHLORIDE	50	47.2	5.6%	50	40.1	19.8%
CHLOROETHANE	50	55.9	11.8%	50	57.3	14.6%
CHLOROFORM	50	49.9	0.3%	50	52.2	4.4%
1,1-DICHLORO ETHANE	50	48.7	2.6%	50	51.8	3.6%
1,2-DICHLORO ETHANE	50	49.6	0.8%	50	55.0	10.0%
1,1-DICHLORO ETHENE	50	55.7	11.4%	50	59.0	18.0%
CIS-1,2-DICHLORO ETHENE	50	53.6	7.2%	50	58.0	16.0%
TRANS-1,2-DICHLORO ETHENE	50	55.5	11.0%	50	59.9	19.8%
DICHLOROMETHANE	50	56.9	13.8%	50	59.3	18.6%
TETRACHLORO ETHENE	50	53.0	6.0%	50	55.7	11.4%
1,1,1,2-TETRACHLORO ETHANE	50	49.6	0.8%	50	41.8	16.4%
1,1,2,2-TETRACHLORO ETHANE	50	55.0	10.0%	50	50.8	1.6%
1,1,1-TRICHLORO ETHANE	50	47.7	4.6%	50	45.8	8.4%
1,1,2-TRICHLORO ETHANE	50	54.9	9.8%	50	59.7	19.4%
TRICHLORO ETHENE	50	50.9	1.8%	50	55.7	11.4%
VINYL CHLORIDE	50	57.0	14.0%	50	59.5	19.0%
TRICHLOROFLUOROMETHANE (FR11)	50	58.6	17.2%	50	58.8	17.6%
DICHLORODIFLUOROMETHANE (FR12)	50	59.3	18.6%	50	60.7	21.4%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	53.6	7.2%	50	58.7	17.4%
BENZENE	50	53.4	6.8%	50	57.0	14.0%
CHLOROBENZENE	50	52.0	4.0%	50	54.3	8.6%
ETHYLBENZENE	50	53.7	7.4%	50	56.7	13.4%
TOLUENE	50	52.8	5.6%	50	54.8	9.6%
m&p-XYLENES	100	109	9.0%	100	114	14.0%
o-XYLENE	50	54.1	8.2%	50	57.3	14.6%

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #2579

ANALYSES PERFORMED BY: MARK BURKE

DATA REVIEWED BY: TAMARA DAVIS

QA/QC CALIBRATION DATA

DATE: 10/29/04  
 HP Labs Project #GF 102504-L6  
 LAB-6

SUPPLY SOURCE: CONTINUING CALIBRATION (OPENING) SUPELCO LOT #LSS-917  
 SUPPLY SOURCE: QUALITY CONTROL (CLOSING) SUPELCO LOT #LSS-915  
 INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

COMPOUND	OPENING STANDARD		(1ug/l) 2ND SOURCE		%DIFF
	MASS	RESULT	MASS	RESULT	
CARBON TETRACHLORIDE	50	44.9	1	0.76	24.0%
CHLOROETHANE	50	58.0	1	1.30	30.0%
CHLOROFORM	50	48.0	1	0.98	2.0%
1,1-DICHLORO ETHANE	50	48.0	1	0.98	2.0%
1,2-DICHLORO ETHANE	50	47.9	1	1.02	2.0%
1,1-DICHLORO ETHENE	50	57.0	1	1.25	25.0%
CIS-1,2-DICHLORO ETHENE	50	52.9	1	1.06	6.0%
TRANS-1,2-DICHLORO ETHENE	50	56.7	1	1.30	30.0%
DICHLOROMETHANE	50	55.8	1	1.33	33.0%
TETRACHLORO ETHENE	50	52.5	1	1.06	6.0%
1,1,1,2-TETRACHLORO ETHANE	50	47.0	1	0.72	28.0%
1,1,2,2-TETRACHLORO ETHANE	50	50.4	1	1.01	1.0%
1,1,1-TRICHLORO ETHANE	50	46.0	1	0.82	18.0%
1,1,2-TRICHLORO ETHANE	50	50.6	1	1.04	4.0%
TRICHLORO ETHENE	50	49.5	1	1.05	5.0%
VINYL CHLORIDE	50	56.3	1	1.30	30.0%
TRICHLOROFLUOROMETHANE (FR11)	50	59.1	1	1.33	33.0%
DICHLORODIFLUOROMETHANE (FR12)	50	60.0	1	1.36	36.0%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	57.3	1	1.22	22.0%
BENZENE	50	51.9	1	1.07	7.0%
CHLOROBENZENE	50	50.5	1	1.01	1.0%
ETHYLBENZENE	50	53.0	1	1.05	5.0%
TOLUENE	50	51.6	1	1.15	15.0%
m&p-XYLENES	100	110	2	2.18	9.0%
o-XYLENE	50	54.0	1	1.10	10.0%

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #2579

ANALYSES PERFORMED BY: MARK BURKE

DATA REVIEWED BY: TAMARA DAVIS

## QA/QC CALIBRATION DATA

DATE: 11/01/04  
 HP Labs Project #GF 102504-L6  
 LAB-6

SUPPLY SOURCE: CONTINUING CALIBRATION (OPENING) SUPELCO LOT #LSS-917  
 SUPPLY SOURCE: QUALITY CONTROL (CLOSING) SUPELCO LOT #LSS-915  
 INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

COMPOUND	OPENING STANDARD			2ND SOURCE		
	MASS	RESULT	%DIFF	MASS	RESULT	%DIFF
CARBON TETRACHLORIDE	50	47.8	4.4%	50	41.4	17.2%
CHLOROETHANE	50	61.5	23.0%	50	67.4	34.8%
CHLOROFORM	50	47.8	4.4%	50	49.5	1.0%
1,1-DICHLORO ETHANE	50	47.7	4.6%	50	49.1	1.8%
1,2-DICHLORO ETHANE	50	47.3	5.4%	50	48.9	2.2%
1,1-DICHLORO ETHENE	50	48.9	2.2%	50	49.7	0.6%
CIS-1,2-DICHLORO ETHENE	50	53.7	7.4%	50	54.5	9.0%
TRANS-1,2-DICHLORO ETHENE	50	54.6	9.2%	50	65.6	31.2%
DICHLOROMETHANE	50	56.7	13.4%	50	63.8	27.6%
TETRACHLORO ETHENE	50	54.3	8.6%	50	54.9	9.8%
1,1,1,2-TETRACHLORO ETHANE	50	50.5	1.0%	50	42.9	14.2%
1,1,2,2-TETRACHLORO ETHANE	50	50.9	1.8%	50	48.5	3.0%
1,1,1-TRICHLORO ETHANE	50	46.7	6.6%	50	45.1	9.8%
1,1,2-TRICHLORO ETHANE	50	51.3	2.6%	50	54.1	8.2%
TRICHLORO ETHENE	50	50.3	0.6%	50	51.2	2.4%
VINYL CHLORIDE	50	58.8	17.6%	50	62.8	25.6%
TRICHLOROFLUOROMETHANE (FR11)	50	60.8	21.6%	50	72.4	44.8%
DICHLORODIFLUOROMETHANE (FR12)	50	62.1	24.2%	50	60.6	21.2%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	50.1	0.2%	50	50.8	1.6%
BENZENE	50	52.4	4.8%	50	53.5	7.0%
CHLOROBENZENE	50	51.6	3.2%	50	52.8	5.6%
ETHYLBENZENE	50	55.7	11.4%	50	55.0	10.0%
TOLUENE	50	57.1	14.2%	50	53.4	6.8%
m&p-XYLENES	100	115	15.0%	100	115.0	15.0%
o-XYLENE	50	57.2	14.4%	50	55.7	11.4%

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #2579

ANALYSES PERFORMED BY: MARK BURKE

DATA REVIEWED BY: TAMARA DAVIS

## QA/QC CALIBRATION DATA

DATE: 11/02/04  
 HP Labs Project #GF 102504-L6  
 LAB-6  
 SUPPLY SOURCE: CONTINUING CALIBRATION (OPENING) SUPELCO LOT #LSS-917  
 SUPPLY SOURCE: QUALITY CONTROL (CLOSING) SUPELCO LOT #LSS-915  
 INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

COMPOUND	OPENING STANDARD			2ND SOURCE		
	MASS	RESULT	%DIFF	MASS	RESULT	%DIFF
CARBON TETRACHLORIDE	50	53.0	6.0%	50	44.3	11.4%
CHLOROETHANE	50	53.8	7.6%	50	54.2	8.4%
CHLOROFORM	50	54.5	9.0%	50	54.1	8.2%
1,1-DICHLORO ETHANE	50	48.3	3.4%	50	48.3	3.4%
1,2-DICHLORO ETHANE	50	47.0	6.0%	50	51.8	3.6%
1,1-DICHLORO ETHENE	50	53.0	6.0%	50	57.3	14.6%
CIS-1,2-DICHLORO ETHENE	50	54.0	8.0%	50	54.4	8.8%
TRANS-1,2-DICHLORO ETHENE	50	52.7	5.4%	50	56.5	13.0%
DICHLOROMETHANE	50	51.4	2.8%	50	58.3	16.6%
TETRACHLORO ETHENE	50	53.2	6.4%	50	52.8	5.6%
1,1,1,2-TETRACHLORO ETHANE	50	48.3	3.4%	50	41.6	16.8%
1,1,2,2-TETRACHLORO ETHANE	50	46.4	7.2%	50	51.1	2.2%
1,1,1-TRICHLORO ETHANE	50	52.6	5.2%	50	47.3	5.4%
1,1,2-TRICHLORO ETHANE	50	48.4	3.2%	50	53.1	6.2%
TRICHLORO ETHENE	50	52.0	4.0%	50	51.5	3.0%
VINYL CHLORIDE	50	48.2	3.6%	50	49.6	0.8%
TRICHLOROFUOROMETHANE (FR11)	50	60.7	21.4%	50	60.0	20.0%
DICHLORODIFLUOROMETHANE (FR12)	50	59.5	19.0%	50	58.6	17.2%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	53.2	6.4%	50	54.7	9.4%
BENZENE	50	53.7	7.4%	50	53.2	6.4%
CHLOROBENZENE	50	48.5	3.0%	50	49.0	2.0%
ETHYLBENZENE	50	53.5	7.0%	50	51.2	2.4%
TOLUENE	50	52.8	5.6%	50	51.7	3.4%
m&p-XYLENES	100	107	7.0%	100	105	5.0%
o-XYLENE	50	52.8	5.6%	50	52.3	4.6%

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #2579

ANALYSES PERFORMED BY: MARK BURKE

DATA REVIEWED BY: TAMARA DAVIS

## QA/QC CALIBRATION DATA

COMPOUND	OPENING STANDARD			2ND SOURCE		
	MASS	RESULT	%DIFF	MASS	RESULT	%DIFF
CARBON TETRACHLORIDE	50	53.8	7.6%	50	44.4	11.2%
CHLOROETHANE	50	52.1	4.2%	50	45.8	8.4%
CHLOROFORM	50	53.1	6.2%	50	52.8	5.6%
1,1-DICHLORO ETHANE	50	48.5	3.0%	50	46.7	6.6%
1,2-DICHLORO ETHANE	50	48.6	2.8%	50	50.4	0.8%
1,1-DICHLORO ETHENE	50	54.9	9.8%	50	48.9	2.2%
CIS-1,2-DICHLORO ETHENE	50	52.4	4.8%	50	52.6	5.2%
TRANS-1,2-DICHLORO ETHENE	50	53.3	6.6%	50	49.9	0.2%
DICHLOROMETHANE	50	54.1	8.2%	50	49.4	1.2%
TETRACHLORO ETHENE	50	51.6	3.2%	50	52.1	4.2%
1,1,1,2-TETRACHLORO ETHANE	50	49.5	1.0%	50	42.2	15.6%
1,1,2,2-TETRACHLORO ETHANE	50	46.6	6.8%	50	52.5	5.0%
1,1,1-TRICHLORO ETHANE	50	52.6	5.2%	50	48.5	3.0%
1,1,2-TRICHLORO ETHANE	50	51.4	2.8%	50	52.1	4.2%
TRICHLORO ETHENE	50	50.0	0.0%	50	50.6	1.2%
VINYL CHLORIDE	50	49.1	1.8%	50	42.4	15.2%
TRICHLOROFLUOROMETHANE (FR11)	50	57.6	15.2%	50	55.2	10.4%
DICHLORODIFLUOROMETHANE (FR12)	50	57.7	15.4%	50	55.8	11.6%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	54.0	8.0%	50	49.7	0.6%
BENZENE	50	52.7	5.4%	50	51.2	2.4%
CHLOROBENZENE	50	48.5	3.0%	50	48.6	2.8%
ETHYLBENZENE	50	51.3	2.6%	50	51.6	3.2%
TOLUENE	50	52.6	5.2%	50	49.1	1.8%
m&p-XYLENES	100	106	6.0%	100	103	3.0%
o-XYLENE	50	52.5	5.0%	50	51.6	3.2%

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #2579

ANALYSES PERFORMED BY: MARK BURKE

DATA REVIEWED BY: TAMARA DAVIS

DATE: 11/03/04

HP Labs Project #GF 102504-L6

LAB-6

SUPPLY SOURCE: CONTINUING CALIBRATION (OPENING) SUPELCO LOT #LSS-917

SUPPLY SOURCE: QUALITY CONTROL (CLOSING) SUPELCO LOT #LSS-915

INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

## QA/QC - CALIBRATION DATA

DATE: 10/25/04		CALIBRATION VERIFICATION	
HP Labs Project #GF102504-L6		SUPPLY SOURCE: SUPELCO LOT #LSS-917	
Lab 6		INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER	
COMPOUND	MASS	CONTINUING STANDARD RESULT	%DIFF
CARBON TETRACHLORIDE	50	40.3	19.4%
CHLOROETHANE	50	51.1	2.2%
CHLOROFORM	50	48.0	4.0%
1,1-DICHLORO ETHANE	50	47.4	5.2%
1,2-DICHLORO ETHANE	50	49.1	1.8%
1,1-DICHLORO ETHENE	50	51.7	3.4%
CIS-1,2-DICHLORO ETHENE	50	53.7	7.4%
TRANS-1,2-DICHLORO ETHENE	50	50.9	1.8%
DICHLOROMETHANE	50	51.2	2.4%
TETRACHLORO ETHENE	50	50.9	1.8%
1,1,1,2-TETRACHLORO ETHANE	50	41.9	16.2%
1,1,2,2-TETRACHLORO ETHANE	50	50.3	0.6%
1,1,1-TRICHLORO ETHANE	50	44.1	11.8%
1,1,2-TRICHLORO ETHANE	50	51.7	3.4%
TRICHLORO ETHENE	50	50.3	0.6%
VINYL CHLORIDE	50	50.3	0.6%
TRICHLOROFLUOROMETHANE (FR11)	50	53.2	6.4%
DICHLORODIFLUOROMETHANE (FR12)	50	59.7	19.4%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	47.8	4.4%
BENZENE	50	52.4	4.8%
CHLOROBENZENE	50	50.0	0.0%
ETHYLBENZENE	50	53.5	7.0%
TOLUENE	50	52.2	4.4%
m&p-XYLENES	100	107.8	7.8%
o-XYLENE	50	53.7	7.4%

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

ANALYSES PERFORMED BY: MARK BURKE

DATA REVIEWED BY: TAMARA DAVIS

## QA/QC - CALIBRATION DATA

DATE: 10/26/04		CALIBRATION VERIFICATION	
HP Labs Project #GF 102504-L6		SUPPLY SOURCE: SUPELCO LOT #LSS-917	
Lab 6		INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER	
COMPOUND	MASS	RESULT	%DIFF
CARBON TETRACHLORIDE	50	40.4	19.2%
CHLOROETHANE	50	59.5	19.0%
CHLOROFORM	50	49.2	1.6%
1,1-DICHLORO ETHANE	50	49.0	2.0%
1,2-DICHLORO ETHANE	50	49.7	0.6%
1,1-DICHLORO ETHENE	50	60.0	20.0%
CIS-1,2-DICHLORO ETHENE	50	53.3	6.6%
TRANS-1,2-DICHLORO ETHENE	50	58.4	16.8%
DICHLOROMETHANE	50	59.6	19.2%
TETRACHLORO ETHENE	50	55.1	10.2%
1,1,1,2-TETRACHLORO ETHANE	50	41.9	16.2%
1,1,2,2-TETRACHLORO ETHANE	50	49.5	1.0%
1,1,1-TRICHLORO ETHANE	50	43.9	12.2%
1,1,2-TRICHLORO ETHANE	50	53.3	6.6%
TRICHLORO ETHENE	50	51.7	3.4%
VINYL CHLORIDE	50	59.7	19.4%
TRICHLOROFLUOROMETHANE (FR11)	50	59.8	19.6%
DICHLORODIFLUOROMETHANE (FR12)	50	59.8	19.6%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	59.2	18.4%
BENZENE	50	53.0	6.0%
CHLOROBENZENE	50	52.9	5.8%
ETHYLBENZENE	50	54.9	9.8%
TOLUENE	50	51.1	2.2%
m&p-XYLENES	100	114.2	14.2%
o-XYLENE	50	55.6	11.2%

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

ANALYSES PERFORMED BY: MARK BURKE

DATA REVIEWED BY: TAMARA DAVIS

## QA/QC - CALIBRATION DATA

DATE: 10/27/04		CALIBRATION VERIFICATION	
HP Labs Project #GF102504-L6		SUPPLY SOURCE: SUPELCO LOT #LSS-917	
Lab 6		INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER	
COMPOUND	MASS	CONTINUING STANDARD RESULT	%DIFF
CARBON TETRACHLORIDE	50	40.1	19.8%
CHLOROETHANE	50	57.1	14.2%
CHLOROFORM	50	49.0	2.0%
1,1-DICHLORO ETHANE	50	48.3	3.4%
1,2-DICHLORO ETHANE	50	50.5	1.0%
1,1-DICHLORO ETHENE	50	56.5	13.0%
CIS-1,2-DICHLORO ETHENE	50	54.1	8.2%
TRANS-1,2-DICHLORO ETHENE	50	56.9	13.8%
DICHLOROMETHANE	50	53.4	6.8%
TETRACHLORO ETHENE	50	52.4	4.8%
1,1,1,2-TETRACHLORO ETHANE	50	40.1	19.8%
1,1,2,2-TETRACHLORO ETHANE	50	49.0	2.0%
1,1,1-TRICHLORO ETHANE	50	43.2	13.6%
1,1,2-TRICHLORO ETHANE	50	52.6	5.2%
TRICHLORO ETHENE	50	51.3	2.6%
VINYL CHLORIDE	50	56.4	12.8%
TRICHLOROFLUOROMETHANE (FR11)	50	58.7	17.4%
DICHLORODIFLUOROMETHANE (FR12)	50	58.3	16.6%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	54.7	9.4%
BENZENE	50	52.7	5.4%
CHLOROBENZENE	50	50.7	1.4%
ETHYLBENZENE	50	53.4	6.8%
TOLUENE	50	51.9	3.8%
m&p-XYLENES	100	110.0	10.0%
o-XYLENE	50	52.4	4.8%

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

ANALYSES PERFORMED BY: MARK BURKE

DATA REVIEWED BY: TAMARA DAVIS

## QA/QC - CALIBRATION DATA

DATE: 10/28/04		CALIBRATION VERIFICATION	
HP Labs Project #GF102504-L6		SUPPLY SOURCE: SUPELCO LOT #LSS-917	
Lab 6		INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER	
COMPOUND	MASS	RESULT	%DIFF
CARBON TETRACHLORIDE	50	40.3	19.4%
CHLOROETHANE	50	59.8	19.6%
CHLOROFORM	50	52.3	4.6%
1,1-DICHLORO ETHANE	50	50.1	0.2%
1,2-DICHLORO ETHANE	50	52.7	5.4%
1,1-DICHLORO ETHENE	50	59.2	18.4%
CIS-1,2-DICHLORO ETHENE	50	56.7	13.4%
TRANS-1,2-DICHLORO ETHENE	50	58.5	17.0%
DICHLOROMETHANE	50	59.6	19.2%
TETRACHLORO ETHENE	50	53.8	7.6%
1,1,1,2-TETRACHLORO ETHANE	50	42.4	15.2%
1,1,1,2,2-TETRACHLORO ETHANE	50	53.7	7.4%
1,1,1-TRICHLORO ETHANE	50	44.0	12.0%
1,1,2-TRICHLORO ETHANE	50	57.0	14.0%
TRICHLORO ETHENE	50	53.8	7.6%
VINYL CHLORIDE	50	59.0	18.0%
TRICHLOROFLUOROMETHANE (FR11)	50	59.9	19.8%
DICHLORODIFLUOROMETHANE (FR12)	50	59.2	18.4%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	58.3	16.6%
BENZENE	50	55.5	11.0%
CHLOROBENZENE	50	52.9	5.8%
ETHYLBENZENE	50	54.1	8.2%
TOLUENE	50	53.8	7.6%
m&p-XYLENES	100	112.0	12.0%
o-XYLENE	50	55.6	11.2%

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

ANALYSES PERFORMED BY: MARK BURKE

DATA REVIEWED BY: TAMARA DAVIS

QA/QC - CALIBRATION DATA

DATE: 11/02/04		CALIBRATION VERIFICATION	
HP Labs Project #GF 102504-L6		SUPPLY SOURCE: SUPELCO LOT #LSS-917	
Lab 6		INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER	
COMPOUND	MASS	CONTINUING STANDARD RESULT	%DIFF
CARBON TETRACHLORIDE	50	44.7	10.6%
CHLOROETHANE	50	62.3	24.6%
CHLOROFORM	50	55.3	10.6%
1,1-DICHLORO ETHANE	50	49.5	1.0%
1,2-DICHLORO ETHANE	50	51.0	2.0%
1,1-DICHLORO ETHENE	50	46.7	6.6%
CIS-1,2-DICHLORO ETHENE	50	55.1	10.2%
TRANS-1,2-DICHLORO ETHENE	50	57.6	15.2%
DICHLOROMETHANE	50	57.4	14.8%
TETRACHLORO ETHENE	50	55.1	10.2%
1,1,1,2-TETRACHLORO ETHANE	50	40.3	19.4%
1,1,2,2-TETRACHLORO ETHANE	50	50.5	1.0%
1,1,1-TRICHLORO ETHANE	50	48.9	2.2%
1,1,2-TRICHLORO ETHANE	50	54.0	8.0%
TRICHLORO ETHENE	50	52.4	4.8%
VINYL CHLORIDE	50	51.6	3.2%
TRICHLOROFLUOROMETHANE (FR11)	50	61.4	22.8%
DICHLORODIFLUOROMETHANE (FR12)	50	58.5	17.0%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	48.0	4.0%
BENZENE	50	55.5	11.0%
CHLOROBENZENE	50	49.9	0.2%
ETHYLBENZENE	50	54.0	8.0%
TOLUENE	50	54.7	9.4%
m&p-XYLENES	100	110.0	10.0%
o-XYLENE	50	54.3	8.6%

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