

## **APPENDIX B**

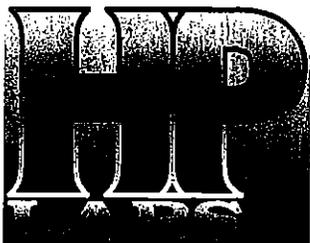
---

- B-1 RESULTS OF SOIL VAPOR ANALYSES**
- B-2 CHAIN-OF-CUSTODY FORMS**
- B-3 INITIAL THREE-POINT CALIBRATION DATA**
- B-4 DAILY OPENING, CLOSING, AND CONTINUING CALIBRATION VERIFICATION REPORTS**

## **APPENDIX B-1**

---

### **RESULTS OF SOIL VAPOR ANALYSES**



March 4, 2002

Mr. Leo Williamson  
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 #04-4304-480 JPL 1**

HP Labs Project # GF021102T2

Mr. Williamson:

Please find enclosed a data report for the above referenced location. Soil vapor samples were analyzed on-site in DOHS certified mobile laboratory (CERT #1667).

#### Project Summary

Soil vapor from 94 points was analyzed for:

- volatile halogenated hydrocarbons by EPA Method 8010
- volatile aromatic hydrocarbons (BTEX) by Modified EPA Method 8020
- 7 extra LCS

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.

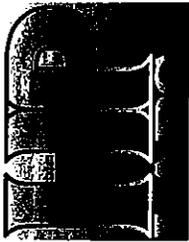
HP Labs appreciates the opportunity to provide analytical services to Geofon on this project. If you have any questions relating to this data or report, please do not hesitate to contact us.

Sincerely

A handwritten signature in black ink, appearing to read 'TD' followed by a flourish.

Ms. Tamara Davis  
Lab Director

148 S. Vinewood Street • Escondido, CA 92029 • Phone (760) 735-3208 • Fax (760) 735-2469  
432 N. Cedros Avenue • Solana Beach, CA 92075 • Phone (858) 793-0401 • Fax (858) 793-0404  
2373 208th Street Suite F-1 • Torrance, CA 90501 • Phone (310) 782-2929 • Fax (310) 782-2798



GEOFON PROJECT # 04-4304-480 JPL 1  
 JET PROPULSION LABORATORY  
 4800 OAK GROVE DRIVE  
 PASADENA, CA

HP Labs Project #GF021102T2  
 GC SHIMADZU 14A

VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8021) ANALYSES OF SOIL VAPOR  
 SOIL VAPOR DATA IN UG/L-VAPOR

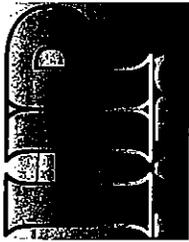
	AMBIENT BLANK		SVW30-VPA-01		SVW30-VPB-02		SVW30-VPC-03		SVW30-VPD-04		SVW30-VPE-05		SVW30-VPE-06	
DATE	02/11/02	02/11/02	02/11/02	02/11/02	02/11/02	02/11/02	02/11/02	02/11/02	02/11/02	02/11/02	02/11/02	02/11/02	02/11/02	DUP
ANALYSIS TIME	07:12	07:34	07:57	08:19	08:41	09:03	09:25							
SAMPLING DEPTH (feet)	--	17	30	40	50	65	65							
VOLUME WITHDRAWN (cc)	--	128	180	220	260	320	440							
VOLUME INJECTED	1	1	1	1	1	1	1							
DILUTION FACTOR	1	1	1	1	1	1	1							
CARBON TETRACHLORIDE	nd	nd	nd	nd	nd	nd	nd							
CHLOROETHANE	nd	nd	nd	nd	nd	nd	nd							
CHLOROFORM	nd	nd	nd	nd	nd	nd	nd							
1,1-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd							
1,2-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd							
1,1-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd							
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd							
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd							
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd	nd							
TETRACHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd							
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd							
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd							
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd							
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd							
TRICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd							
VINYL CHLORIDE	nd	nd	nd	nd	nd	nd	nd							
TRICHLOROFUOROMETHANE (FR11)	nd	nd	nd	nd	nd	nd	nd							
DICHLORODIFLUOROMETHANE (FR12)	nd	nd	nd	nd	nd	nd	nd							
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	nd	nd	nd	nd	nd	nd	nd							
BENZENE	nd	nd	nd	nd	nd	nd	nd							
CHLOROBENZENE	nd	nd	nd	nd	nd	nd	nd							
ETHYLBENZENE	nd	nd	nd	nd	nd	nd	nd							
TOLUENE	nd	nd	nd	nd	nd	nd	nd							
m&p-XYLENES	nd	nd	nd	nd	nd	nd	nd							
o-XYLENE	nd	nd	nd	nd	nd	nd	nd							
SURROGATES														
1,4 DIFLUORO BENZENE	104%	105%	102%	105%	98%	105%	105%							
4-BROMOFLUORO BENZENE	110%	112%	108%	112%	103%	112%	112%							

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 (CERT #1867)

ANALYSES PERFORMED BY: MARK BURKE

DATA REVIEWED BY: TAMARA DAVIS



GEFON PROJECT # 04-4304-480 JPL 1  
 JET PROPULSION LABORATORY  
 4800 OAK GROVE DRIVE  
 PASADENA, CA

HP Labs Project #GF021102T2  
 GC SHIMADZU 14A

VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8021) ANALYSES OF SOIL VAPOR  
 SOIL VAPOR DATA IN UG/L-VAPOR

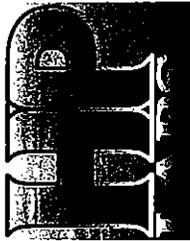
	SVW31-VPA-07	SVW31-VPB-08	SVW31-VPD-09	SVW31-VPE-10	SVW12-VPC-11	SVW12-VPC-12	DUP	SVW12-VPD-13
DATE	02/11/02	02/11/02	02/11/02	02/11/02	02/11/02	02/11/02		02/11/02
ANALYSIS TIME	09:47	10:10	10:32	10:54	11:43	12:05		12:29
SAMPLING DEPTH (feet)	20	35	55	65	60	60		76
VOLUME WITHDRAWN (cc)	140	200	280	320	300	420		364
VOLUME INJECTED	1	1	1	1	1	1		1
DILUTION FACTOR	1	1	1	1	1	1		1
CARBON TETRACHLORIDE	nd	nd	nd	nd	nd	nd		nd
CHLOROETHANE	nd	nd	nd	nd	nd	nd		nd
CHLOROFORM	nd	nd	nd	nd	nd	nd		nd
1,1-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd		nd
1,2-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd		nd
1,1-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd		nd
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd		nd
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd		nd
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd		nd
TETRACHLORO ETHENE	nd	nd	nd	nd	nd	nd		nd
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd		nd
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd		nd
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd		nd
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd		nd
TRICHLORO ETHENE	nd	nd	nd	nd	nd	nd		nd
VINYL CHLORIDE	nd	nd	nd	nd	nd	nd		nd
TRICHLOROFLUOROMETHANE (FR11)	nd	nd	nd	nd	nd	nd		nd
DICHLORODIFLUOROMETHANE (FR12)	nd	nd	nd	nd	nd	nd		nd
1,1,2-TRICHLOROETHANE (FR113)	nd	nd	nd	nd	nd	nd		nd
BENZENE	nd	nd	nd	nd	nd	nd		nd
CHLOROBENZENE	nd	nd	nd	nd	nd	nd		nd
ETHYLBENZENE	nd	nd	nd	nd	nd	nd		nd
TOLUENE	nd	nd	nd	nd	nd	nd		nd
m&p-XYLENES	nd	nd	nd	nd	nd	nd		nd
o-XYLENE	nd	nd	nd	nd	nd	nd		nd
SURROGATES								
1,4 DIFLUORO BENZENE	117%	97%	106%	103%	101%	98%		103%
4 BROMOFLURO BENZENE	125%	103%	112%	109%	108%	105%		108%

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 (CERT #1667)

ANALYSES PERFORMED BY: MARK BURKE

DATA REVIEWED BY: TAMARA DAVIS



GEOFON PROJECT # 04-4304-480 JPL 1  
 JET PROPULSION LABORATORY  
 4800 OAK GROVE DRIVE  
 PASADENA, CA

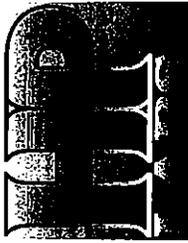
HP Labs Project #GF021102T2  
 GC SHIMADZU 14A

VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8021) ANALYSES OF SOIL VAPOR  
 SOIL VAPOR DATA IN UG/L-VAPOR

	AMBIENT BLANK		SVM5-VPB-14		SVM7-VPA-15		SVM7-VPB-16		SVM7-VPB-17		SVM7-VPB-18		SVM7-VPC-19	
			DUP											
DATE	02/12/02	02/12/02	02/12/02	02/12/02	02/12/02	02/12/02	02/12/02	02/12/02	02/12/02	02/12/02	02/12/02	02/12/02	02/12/02	02/12/02
ANALYSIS TIME	07:32	07:54	06:16	08:38	09:00	09:24	09:46							
SAMPLING DEPTH (feet)	--	9	20	35	21	21	33							
VOLUME WITHDRAWN (cc)	--	96	140	200	144	264	192							
VOLUME INJECTED	1	1	1	1	1	1	1							
DILUTION FACTOR	1	1	1	1	1	1	1							
CARBON TETRACHLORIDE	nd	nd	nd	nd	nd	nd	nd							
CHLOROETHANE	nd	nd	nd	nd	nd	nd	nd							
CHLOROFORM	nd	nd	nd	nd	nd	nd	nd							
1,1-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd							
1,2-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd							
1,1-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd							
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd							
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd							
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd	nd							
TETRACHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd							
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd							
1,1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd							
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd							
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd							
TRICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd							
VINYL CHLORIDE	nd	nd	nd	nd	nd	nd	nd							
TRICHLOROFLUOROMETHANE (FR11)	nd	nd	nd	nd	nd	nd	nd							
DICHLORODIFLUOROMETHANE (FR12)	nd	nd	nd	nd	nd	nd	nd							
1,1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	nd	nd	nd	nd	nd	nd	nd							
BENZENE	nd	nd	nd	nd	nd	nd	nd							
CHLOROBENZENE	nd	nd	nd	nd	nd	nd	nd							
ETHYLBENZENE	nd	nd	nd	nd	nd	nd	nd							
TOLUENE	nd	nd	nd	nd	nd	nd	nd							
m&p-XYLENES	nd	nd	nd	nd	nd	nd	nd							
o-XYLENE	nd	nd	nd	nd	nd	nd	nd							
SURROGATES														
1,4 DIFLUORO BENZENE	99%	99%	103%	99%	100%	103%	99%							
4-BROMOFLUORO BENZENE	105%	105%	110%	106%	107%	108%	105%							

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 (CERT #1667)  
 ANALYSES PERFORMED BY: MARK BURKE  
 DATA REVIEWED BY: TAMARA DAVIS



GEOFON PROJECT # 04-4304-480 JPL 1  
 JET PROPULSION LABORATORY  
 4800 OAK GROVE DRIVE  
 PASADENA, CA

HP Labs Project #GF021102T2  
 GC SHIMADZU 14A

VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8021) ANALYSES OF SOIL VAPOR  
 SOIL VAPOR DATA IN UG/L-VAPOR

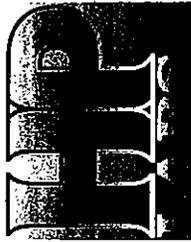
	SVM2-VPA-20		SVM3-VPC-21		SVM4-VPD-22		SVM4-VPB-23		SVM4-VPB-24		SVM4-VPD-25		SVM17-VPC-26	
	DATE	02/12/02	02/12/02	02/12/02	02/12/02	02/12/02	02/12/02	02/12/02	02/12/02	02/12/02	02/12/02	02/12/02	02/12/02	02/12/02
ANALYSIS TIME	10:08	10:31	10:56	12:06	12:29	12:52	13:14							
SAMPLING DEPTH (feet)	10	40	47	20	20	56	36							
VOLUME WITHDRAWN (cc)	100	220	248	140	260	284	204							
VOLUME INJECTED	1	1	1	1	1	1	1							
DILUTION FACTOR	1	1	1	1	1	1	1							
CARBON TETRACHLORIDE	nd	1.0	nd	nd	nd	nd	nd							
CHLOROETHANE	nd	nd	nd	nd	nd	nd	nd							
CHLOROFORM	nd	nd	nd	nd	nd	nd	nd							
1,1-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd							
1,2-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd							
1,1-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd							
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd							
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd							
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd	nd							
TETRACHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd							
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd							
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd							
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd							
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd							
TRICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd							
VINYL CHLORIDE	nd	nd	nd	nd	nd	nd	nd							
TRICHLOROFLUOROMETHANE (FR11)	nd	nd	nd	nd	nd	nd	nd							
DICHLORODIFLUOROMETHANE (FR12)	nd	nd	nd	nd	nd	nd	nd							
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	nd	nd	nd	nd	nd	nd	nd							
BENZENE	nd	nd	nd	nd	nd	nd	nd							
CHLOROBENZENE	nd	nd	nd	nd	nd	nd	nd							
ETHYLBENZENE	nd	nd	nd	nd	nd	nd	nd							
TOLUENE	nd	nd	nd	nd	nd	nd	nd							
m&p-XYLENES	nd	nd	nd	nd	nd	nd	nd							
o-XYLENE	nd	nd	nd	nd	nd	nd	nd							
SURROGATES														
1,4 DIFLUORO BENZENE	101%	103%	100%	100%	97%	100%	103%							
4 BROMOFLUORO BENZENE	107%	110%	105%	109%	105%	109%	102%							

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 (CERT #1667)

ANALYSES PERFORMED BY: MARK BURKE

DATA REVIEWED BY: TAMARA DAVIS



GEOFON PROJECT # 04-4304-460 JPL 1  
 JET PROPULSION LABORATORY  
 4800 OAK GROVE DRIVE  
 PASADENA, CA

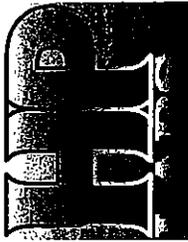
HP Labs Project #GF021102T2  
 GC SHIMADZU 14A

VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8021) ANALYSES OF SOIL VAPOR  
 SOIL VAPOR DATA IN UG/L-VAPOR

	AMBIENT BLANK		SWM9-VPA-27		SWM9-VPB-28		SWM9-VPB-29		SWM9-VPB-30		SWM9-VPD-31		SWM9-VPE-32		SWM9-VPB-33	
	DUPLICATE															
DATE	02/13/02	02/13/02	02/13/02	02/13/02	02/13/02	02/13/02	02/13/02	02/13/02	02/13/02	02/13/02	02/13/02	02/13/02	02/13/02	02/13/02	02/13/02	02/13/02
ANALYSIS TIME	07:47	08:11	08:33	08:55	09:17	09:39	10:01	10:24								
SAMPLING DEPTH (feet)	--	20	35	50	50	70	87	35								
VOLUME WITHDRAWN (cc)	--	140	200	260	340	340	408	200								
VOLUME INJECTED	1	1	1	1	1	1	1	1								
DILUTION FACTOR	1	1	1	1	1	1	1	1								
CARBON TETRACHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd								nd
CHLOROETHANE	nd	nd	nd	nd	nd	nd	nd	nd								nd
CHLOROFORM	nd	nd	nd	nd	nd	nd	nd	nd								nd
1,1-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd								nd
1,2-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd								nd
1,1-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd								nd
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd								nd
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd								nd
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd	nd	nd								nd
TETRACHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd								nd
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd								nd
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd								nd
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd								nd
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd								nd
TRICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd								nd
VINYL CHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd								nd
TRICHLOROFLUOROMETHANE (FR11)	nd	nd	nd	nd	nd	nd	nd	nd								nd
DICHLORODIFLUOROMETHANE (FR12)	nd	nd	nd	nd	nd	nd	nd	nd								nd
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	nd	1.3	1.6	1.1	1.3	1.2	1.2	1.4								1.4
BENZENE	nd	nd	nd	nd	nd	nd	nd	nd								nd
CHLOROBENZENE	nd	nd	nd	nd	nd	nd	nd	nd								nd
ETHYLBENZENE	nd	nd	nd	nd	nd	nd	nd	nd								nd
TOLUENE	nd	nd	nd	nd	nd	nd	nd	nd								nd
m&p-XYLENES	nd	nd	nd	nd	nd	nd	nd	nd								nd
o-XYLENE	nd	nd	nd	nd	nd	nd	nd	nd								nd
SURROGATES																
1,4 DIFLUORO BENZENE	97%	101%	100%	100%	99%	99%	97%	101%								101%
4 BROMOFLURO BENZENE	105%	107%	108%	108%	107%	107%	106%	109%								109%

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 (CERT #1667)  
 ANALYSES PERFORMED BY: MARK BURKE  
 DATA REVIEWED BY: TAMARA DAVIS



GEOFON PROJECT # 04-4304-480 JPL 1  
 JET PROPULSION LABORATORY  
 4800 OAK GROVE DRIVE  
 PASADENA, CA

HP Labs Project #GF021102T2  
 GC SHIMADZU 14A

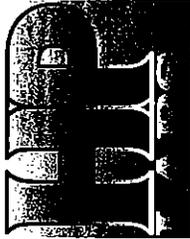
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8021) ANALYSES OF SOIL VAPOR  
 SOIL VAPOR DATA IN UG/L-VAPOR

	SVW10-VPD-34	SVW32-VPH-35	SVW32-VPH-36	SVW11-VPA-37	SVW11-VPE-38	SVW14-VPA-39	SVW14-VPB-40
	DUP						
DATE	02/13/02	02/13/02	02/13/02	02/13/02	02/13/02	02/13/02	02/13/02
ANALYSIS TIME	10:47	11:13	11:35	12:47	13:10	13:32	13:55
SAMPLING DEPTH (feet)	69	155	155	20	96	5	10
VOLUME WITHDRAWN (cc)	336	680	800	140	444	80	100
VOLUME INJECTED	1	1	1	1	1	1	1
DILUTION FACTOR	1	1	1	1	1	1	1
CARBON TETRACHLORIDE	nd	3.9	2.1	nd	nd	nd	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						
DICHLORODIFLUOROMETHANE (FR12)	nd						
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	1.1	8.1	6.2	nd	nd	nd	nd
BENZENE	nd						
CHLOROBENZENE	nd						
ETHYLBENZENE	nd						
TOLUENE	nd						
m&p-XYLENES	nd						
o-XYLENE	nd						
SURROGATES							
1,4 DIFLUORO BENZENE	101%	103%	99%	93%	101%	103%	98%
4 BROMOFLURO BENZENE	110%	112%	107%	102%	111%	111%	107%

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 (CERT #1667)

ANALYSES PERFORMED BY: MARK BURKE  
 DATA REVIEWED BY: TAMARA DAVIS



GEOPON PROJECT # 04-4304-480 JPL 1  
 JET PROPULSION LABORATORY  
 4800 OAK GROVE DRIVE  
 PASADENA, CA

HP Labs Project #GF021102T2  
 GC SHIMADZU 14A

VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8021) ANALYSES OF SOIL VAPOR  
 SOIL VAPOR DATA IN UG/L-VAPOR

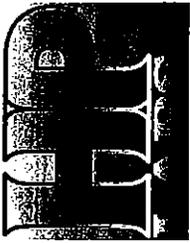
AMBIENT BLANK		SVW27-VPA-41	SVW27-VPA-42	SVW27-VPB-43	SVW27-VPC-44	SVW27-VPD-45	SVW27-VPE-46	SVW27-VPF-47
DUP								
DATE	02/14/02	02/14/02	02/14/02	02/14/02	02/14/02	02/14/02	02/14/02	02/14/02
ANALYSIS TIME	07:17	07:39	08:01	08:23	08:47	09:09	09:31	09:52
SAMPLING DEPTH (feet)	--	20	20	35	60	85	100	120
VOLUME WITHDRAWN (cc)	--	140	260	200	300	400	460	540
VOLUME INJECTED	1	1	1	1	1	1	1	1
DILUTION FACTOR	1	1	1	1	1	1	1	1
CARBON TETRACHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROETHANE	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,2-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd	nd	nd
TETRACHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd
VINYL CHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLOROFUOROMETHANE (FR11)	nd	nd	nd	nd	nd	nd	nd	nd
DICHLORODIFLUOROMETHANE (FR12)	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	nd	nd	nd	nd	nd	nd	nd	nd
BENZENE	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROBENZENE	nd	nd	nd	nd	nd	nd	nd	nd
ETHYLBENZENE	nd	nd	nd	nd	nd	nd	nd	nd
TOLUENE	nd	nd	nd	nd	nd	nd	nd	nd
m&p-XYLENES	nd	nd	nd	nd	nd	nd	nd	nd
o-XYLENE	nd	nd	nd	nd	nd	nd	nd	nd
SURROGATES								
1,4 DIFLUORO BENZENE	96%	101%	97%	99%	99%	97%	100%	99%
4 BROMOFLUROO BENZENE	105%	110%	105%	107%	109%	106%	109%	107%

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 #1687

ANALYSES PERFORMED BY: MARK BURKE

DATA REVIEWED BY: TAMARA DAVIS



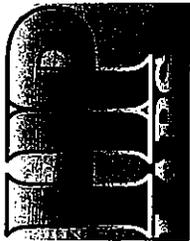
GEOPON PROJECT # 04-4304-480 JPL 1  
 JET PROPULSION LABORATORY  
 4800 OAK GROVE DRIVE  
 PASADENA, CA

HP Labs Project #GF021102T2  
 GC SHIMADZU 14A

VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8021) ANALYSES OF SOIL VAPOR  
 SOIL VAPOR DATA IN UG/L-VAPOR

	SVW27-VPF-48		SVW27-VPG-49		SVW27-VPI-50		SVW27-VPJ-51		SVW26-VPG-53		SVW26-VPG-54		SVW26-VPH-55	
	DUP													
DATE	02/14/02	02/14/02	02/14/02	02/14/02	02/14/02	02/14/02	02/14/02	02/14/02	02/14/02	02/14/02	02/14/02	02/14/02	02/14/02	02/14/02
ANALYSIS TIME	10:14	10:36	10:58	11:44	12:06	12:30	12:52	13:14						
SAMPLING DEPTH (feet)	120	140	180	205	115	140	140	180						
VOLUME WITHDRAWN (cc)	660	620	780	880	520	620	740	700						
VOLUME INJECTED	1	1	1	1	1	1	1	1						
DILUTION FACTOR	1	1	1	1	1	1	1	1						
CARBON TETRACHLORIDE	nd	nd	nd	nd	2.5	nd	nd	nd						
CHLOROETHANE	nd	nd	nd	nd	nd	nd	nd	nd						
CHLOROFORM	nd	nd	nd	nd	nd	nd	nd	nd						
1,1-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd						
1,2-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd						
1,1-DICHLORO ETHENE	nd	nd	nd	nd	1.3	nd	nd	nd						
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd						
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd						
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd	nd	nd						
TETRACHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd						
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd						
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd						
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd						
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd						
TRICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd						
VINYL CHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd						
TRICHLOROFLUOROMETHANE (FR11)	nd	nd	nd	nd	nd	nd	nd	nd						
DICHLOROFLUOROMETHANE (FR12)	nd	nd	nd	nd	nd	nd	nd	nd						
1,1,2-TRICHLOROFLUOROETHANE (FR113)	nd	nd	nd	nd	nd	nd	nd	nd						
BENZENE	nd	nd	nd	nd	nd	nd	nd	nd						
CHLOROBENZENE	nd	nd	nd	nd	nd	nd	nd	nd						
ETHYLBENZENE	nd	nd	nd	nd	nd	nd	nd	nd						
TOLUENE	nd	nd	nd	nd	nd	nd	nd	nd						
m&p-XYLENES	nd	nd	nd	nd	nd	nd	nd	nd						
o-XYLENE	nd	nd	nd	nd	nd	nd	nd	nd						
SURROGATES														
1,4 DIFLUORO BENZENE	98%	98%	98%	95%	97%	98%	99%	98%						
4 BROMOFLUORO BENZENE	107%	107%	107%	103%	106%	107%	109%	107%						

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 #1667  
 ANALYSES PERFORMED BY: MARK BURKE  
 DATA REVIEWED BY: TAMARA DAVIS



GEOPON PROJECT # 04-4304-480 JPL 1  
 JET PROPULSION LABORATORY  
 4800 OAK GROVE DRIVE  
 PASADENA, CA

HP Labs Project #GF02110212  
 GC SHIMADZU 14A

VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8021) ANALYSES OF SOIL VAPOR  
 SOIL VAPOR DATA IN UG/L-VAPOR

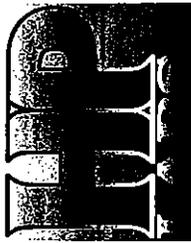
	AMBIENT BLANK										
	SVM37-NPA-56	SVM37-VPD-57	SVM37-VPE-58	SVM37-VPH-59	SVM37-VPH-60	SVM37-VPI-61	SVM37-VPJ-62	DUP			
DATE	02/15/02	02/15/02	02/15/02	02/15/02	02/15/02	02/15/02	02/15/02	02/15/02	02/15/02	02/15/02	02/15/02
ANALYSIS TIME	06:45	07:15	07:39	08:01	08:23	08:45	08:45	08:45	09:08	09:32	
SAMPLING DEPTH (feet)	--	25	80	100	155	155	155	170	170	185	
VOLUME WITHDRAWN (cc)	--	160	380	460	680	800	800	740	740	800	
VOLUME INJECTED	1	1	1	1	1	1	1	1	1	1	
DILUTION FACTOR	1	1	1	1	1	1	1	1	1	1	
CARBON TETRACHLORIDE											
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
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-TRICHLOROETHANE (FR113)	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											
1,4 DIFLUORO BENZENE	96%	97%	99%	97%	98%	97%	97%	97%	96%	97%	97%
4 BROMOFLUROO BENZENE	105%	106%	107%	106%	107%	106%	106%	106%	106%	106%	106%

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 (CERT #1667)

ANALYSES PERFORMED BY: MARK BURKE

DATA REVIEWED BY: TAMARA DAVIS



GEOFON PROJECT # 04-4304-460 JPL 1  
 JET PROPULSION LABORATORY  
 4800 OAK GROVE DRIVE  
 PASADENA, CA

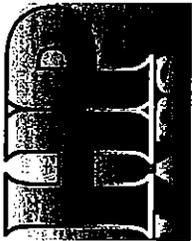
HP Labs Project #GF021102T2  
 GC SHIMADZU 14A

VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8021) ANALYSES OF SOIL VAPOR  
 SOIL VAPOR DATA IN UG/L-VAPOR

	SVW36-VPB-63	SVW36-VPC-64	SVW36-VPE-65	SVW36-VPE-66	SVW8-VPC-67	SVW8-VPD-68	SVW8-VPE-69
	DUP						
DATE	02/15/02	02/15/02	02/15/02	02/15/02	02/15/02	02/15/02	02/15/02
ANALYSIS TIME	10:08	10:30	11:19	11:42	12:04	12:26	12:48
SAMPLING DEPTH (feet)	35	55	92	92	50	70	90
VOLUME WITHDRAWN (cc)	200	280	428	548	260	340	420
VOLUME INJECTED	1	1	1	1	1	1	1
DILUTION FACTOR	1	1	1	1	1	1	1
CARBON TETRACHLORIDE	1.4	7.3	nd	nd	nd	nd	nd
CHLOROETHANE	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd
1,2-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHENE	nd	1.4	nd	nd	nd	nd	nd
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd	nd
TETRACHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd
1,1,1-TRICHLORO ETHANE	nd	4.3	nd	nd	nd	nd	nd
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd
TRICHLORO ETHENE	2.5	7.6	nd	nd	nd	nd	nd
VINYL CHLORIDE	nd	nd	nd	nd	nd	nd	nd
TRICHLOROFLUOROMETHANE (FR11)	nd	nd	nd	nd	nd	nd	nd
DICHLORODIFLUOROMETHANE (FR12)	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	nd	nd	nd	nd	nd	nd	nd
BENZENE	nd	nd	nd	nd	nd	nd	nd
CHLOROBENZENE	nd	nd	nd	nd	nd	nd	nd
ETHYLBENZENE	nd	nd	nd	nd	nd	nd	nd
TOLUENE	nd	nd	nd	nd	nd	nd	nd
m&p-XYLENES	nd	nd	nd	nd	nd	nd	nd
o-XYLENE	nd	nd	nd	nd	nd	nd	nd
SURROGATES							
1,4 DIFLUORO BENZENE	101%	96%	96%	103%	100%	99%	101%
4 BROMOFLUORO BENZENE	111%	106%	105%	112%	109%	107%	111%

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 (CERT #1667)  
 ANALYSES PERFORMED BY: MARK BURKE  
 DATA REVIEWED BY: TAMARA DAVIS



GEOFON PROJECT # 04-4304-480 JPL 1  
 JET PROPULSION LABORATORY  
 4800 OAK GROVE DRIVE  
 PASADENA, CA

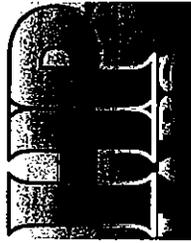
HP Labs Project #GF021102T2  
 GC SHIMADZU 14A

VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8021) ANALYSES OF SOIL VAPOR  
 SOIL VAPOR DATA IN UG/L-VAPOR

	AMBIENT BLANK		SVW39-VPA-70		SVW39-VPC-71		SVW39-VPC-72		SVW39-VPD-73		SVW39-VPE-74		SVW39-VPF-75	
	DUP													
DATE	02/19/02	02/19/02	02/19/02	02/19/02	02/19/02	02/19/02	02/19/02	02/19/02	02/19/02	02/19/02	02/19/02	02/19/02	02/19/02	02/19/02
ANALYSIS TIME	06:49	07:10	07:32	07:54	08:15	08:37	08:37	08:37	08:37	08:37	08:37	08:37	08:37	08:37
SAMPLING DEPTH (feet)	--	20	50	50	70	85	85	85	85	85	85	85	85	85
VOLUME WITHDRAWN (cc)	--	140	260	380	340	400	400	400	400	400	400	400	400	400
VOLUME INJECTED	1	1	1	1	1	1	1	1	1	1	1	1	1	1
DILUTION FACTOR	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CARBON TETRACHLORIDE	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
CHLOROFORM	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
1,2-DICHLORO ETHANE	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
CIS-1,2-DICHLORO ETHENE	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
DICHLOROMETHANE	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
1,1,1,2-TETRACHLORO ETHANE	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
1,1,1-TRICHLORO ETHANE	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
TRICHLORO ETHENE	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	1.3
TRICHLOROETHYLENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLOROETHYLENE (FR11)	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
1,1,2-TRICHLOROETHYLENE (FR113)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	9.5
BENZENE	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
ETHYLBENZENE	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
m&p-XYLENES	nd	nd	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	nd	nd
SURROGATES														
1,4 DIFLUORO BENZENE	98%	92%	97%	97%	97%	95%	95%	95%	97%	97%	95%	95%	95%	93%
4 BROMOFLUORO BENZENE	108%	103%	107%	107%	109%	104%	104%	104%	109%	109%	104%	104%	104%	102%

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 (CERT #1667)  
 ANALYSES PERFORMED BY: MARK BURKE  
 DATA REVIEWED BY: TAMARA DAVIS



GEOFON PROJECT # 04-4304-480 JPL 1  
 JET PROPULSION LABORATORY  
 4800 OAK GROVE DRIVE  
 PASADENA, CA

HP Labs Project #GF021102T2  
 GC SHIMADZU 14A

VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8021) ANALYSES OF SOIL VAPOR  
 SOIL VAPOR DATA IN UG/L-VAPOR

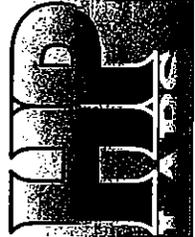
	SVM39-VPI-76	SVM38-VPE-77	SVM38-VPE-78	SVM38-VPF-79	SVM38-VPJ-80	SVM35-VPE-81	SVM35-VPI-82
DATE	02/19/02	02/19/02	02/19/02	02/19/02	02/19/02	02/19/02	02/19/02
ANALYSIS TIME	09:35	09:57	10:19	10:42	11:28	11:51	12:13
SAMPLING DEPTH (feet)	130	95	95	100	170	80	140
VOLUME WITHDRAWN (cc)	580	440	560	460	740	380	620
VOLUME INJECTED	1	1	1	1	1	1	1
DILUTION FACTOR	1	1	1	1	1	1	1
	DUP						
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	5.1	nd	nd	nd	nd	nd	nd
VINYL CHLORIDE	nd						
TRICHLOROFLUOROMETHANE (FR11)	nd						
DICHLORODIFLUOROMETHANE (FR12)	nd						
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	nd						
BENZENE	nd	nd	nd	nd	nd	nd	1.7
CHLOROBENZENE	nd						
ETHYLBENZENE	nd						
TOLUENE	nd						
m&p-XYLENES	nd						
o-XYLENE	nd						
SURROGATES							
1,4 DIFLUORO BENZENE	97%	97%	98%	96%	95%	96%	97%
4 BROMOFLURO BENZENE	107%	106%	108%	108%	105%	107%	107%

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 (CERT #1667)

ANALYSES PERFORMED BY: MARK BURKE

DATA REVIEWED BY: TAMARA DAVIS

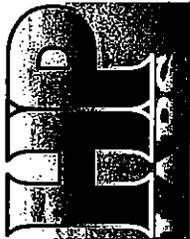


GEOFON PROJECT # 04-4304-480 JPL 1  
 JET PROPULSION LABORATORY  
 4800 OAK GROVE DRIVE  
 PASADENA, CA

HP Labs Project #GF021102T2  
 GC SHIMADZU 14A  
 VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8021) ANALYSES OF SOIL VAPOR  
 SOIL VAPOR DATA IN UG/L-VAPOR

	AMBIENT BLANK		SVW15-VPB-83		SVW15-VPB-84		SVW15-VPC-85		SVW15-VPD-86		SVW15-VPE-87		SVW15-VPB-88	
	DUP													
DATE	02/20/02	02/20/02	02/20/02	02/20/02	02/20/02	02/20/02	02/20/02	02/20/02	02/20/02	02/20/02	02/20/02	02/20/02	02/20/02	02/20/02
ANALYSIS TIME	06:36	06:58	07:20	07:41	08:03	08:25	08:46							
SAMPLING DEPTH (feet)	--	40	40	60	75	90	40							
VOLUME WITHDRAWN (cc)	--	220	340	300	360	420	220							
VOLUME INJECTED	1	1	1	1	1	1	1							
DILUTION FACTOR	1	1	1	1	1	1	1							
CARBON TETRACHLORIDE	nd	nd	nd	nd	nd	nd	nd							
CHLOROETHANE	nd	nd	nd	nd	nd	nd	nd							
CHLOROFORM	nd	nd	nd	nd	nd	nd	nd							
1,1-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd							
1,2-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd							
1,1-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd							
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd							
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd							
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd	nd							
TETRACHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd							
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd							
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd							
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd							
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd							
TRICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd							
VINYL CHLORIDE	nd	nd	nd	nd	nd	nd	nd							
TRICHLOROFLUOROMETHANE (FR11)	nd	nd	nd	nd	nd	nd	nd							
DICHLOROFLUOROMETHANE (FR12)	nd	nd	nd	nd	nd	nd	nd							
1,1,2-TRICHLOROFLUOROETHANE (FR113)	nd	nd	nd	nd	nd	nd	nd							
BENZENE	nd	nd	nd	nd	nd	nd	nd							
CHLOROBENZENE	nd	nd	nd	nd	nd	nd	nd							
ETHYLBENZENE	nd	nd	nd	nd	nd	nd	nd							
TOLUENE	nd	nd	nd	nd	nd	nd	nd							
m&p-XYLENES	nd	nd	nd	nd	nd	nd	nd							
o-XYLENE	nd	nd	nd	nd	nd	nd	nd							
SURROGATES														
1,4 DIFLUORO BENZENE	91%	91%	93%	95%	93%	92%	94%							
4 BROMOFLUORO BENZENE	103%	102%	105%	105%	104%	102%	104%							

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 (CERT #1667)  
 ANALYSES PERFORMED BY: MARK BURKE  
 DATA REVIEWED BY: TAMARA DAVIS



GEOFON PROJECT # 04-4304-480 JPL 1  
 JET PROPULSION LABORATORY  
 4800 OAK GROVE DRIVE  
 PASADENA, CA

HP Labs Project #GF021102T2  
 GC SHIMADZU 14A

VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8021) ANALYSES OF SOIL VAPOR  
 SOIL VAPOR DATA IN UG/L-VAPOR

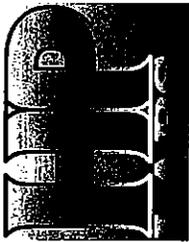
	SVW6-VPD-89	SVW6-VPD-90 DUP	SVW6-VPE-91	SVW33-VPD-92	SVW33-VPE-93	SVW33-VPF-94
DATE	02/20/02	02/20/02	02/20/02	02/20/02	02/20/02	02/20/02
ANALYSIS TIME	09:08	09:30	10:15	11:22	11:45	12:08
SAMPLING DEPTH (feet)	77	77	96	83	105	120
VOLUME WITHDRAWN (cc)	368	488	444	400	480	540
VOLUME INJECTED	1	1	1	1	1	1
DILUTION FACTOR	1	1	1	1	1	1
CARBON TETRACHLORIDE	nd	nd	nd	4.2	7.0	3.1
CHLOROETHANE	nd	nd	nd	nd	nd	nd
CHLOROFORM	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd
1,2-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHENE	nd	nd	nd	1.8	2.0	1.4
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd
TETRACHLORO ETHENE	nd	nd	nd	nd	nd	nd
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd
TRICHLORO ETHENE	nd	nd	nd	nd	nd	nd
VINYL CHLORIDE	nd	nd	nd	nd	nd	nd
TRICHLOROFUROMETHANE (FR11)	nd	nd	nd	nd	nd	nd
DICHLORODIFLUOROMETHANE (FR12)	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	nd	nd	nd	nd	1.7	nd
BENZENE	nd	nd	nd	nd	nd	nd
CHLOROBENZENE	nd	nd	nd	nd	nd	nd
ETHYLBENZENE	nd	nd	nd	nd	nd	nd
TOLUENE	nd	nd	nd	nd	nd	nd
m&p-XYLENES	nd	nd	nd	nd	nd	nd
o-XYLENE	nd	nd	nd	nd	nd	nd
SURROGATES						
1,4 DIFLUORO BENZENE	93%	94%	95%	87%	95%	99%
4 BROMOFUORO BENZENE	105%	105%	106%	96%	106%	111%

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 (CERT #1667)

ANALYSES PERFORMED BY: MARK BURKE

DATA REVIEWED BY: TAMARA DAVIS

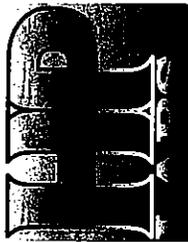


GEOFON PROJECT #04-4304-480 JPL 1  
 JET PROPULSION LABORATORY  
 4800 OAK GROVE DRIVE  
 PASADENA, CA

HP Labs Project #GF021102T2  
 GC SHIMADZU 14A  
 VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8021) ANALYSES OF SOIL VAPOR  
 AREA COUNTS

SAMPLE NAME	AMBIENT BLANK		AMBIENT BLANK		SVW30-VPA- 01		SVW30-VPA- 01		SVW30-VPB- 02		SVW30-VPB- 02		SVW30-VPC- 03		SVW30-VPC- 03		SVW30-VPD- 04		SVW30-VPD- 04		
	DATE	RT	AREA	DATE	RT	AREA	DATE	RT	AREA	DATE	RT	AREA	DATE	RT	AREA	DATE	RT	AREA	DATE	RT	AREA
CARBON TETRACHLORIDE	02/11/02	7:12	7:12	02/11/02	7:34	7:34	02/11/02	7:57	7:57	02/11/02	8:19	8:19	02/11/02	8:41	8:41	02/11/02	8:41	8:41	02/11/02	8:41	8:41
CHLOROETHANE	02/11/02	7:12	7:12	02/11/02	17	17	02/11/02	30	30	02/11/02	40	40	02/11/02	50	50	02/11/02	50	50	02/11/02	50	50
CHLOROFORM	02/11/02	7:12	7:12	02/11/02	128	128	02/11/02	180	180	02/11/02	220	220	02/11/02	260	260	02/11/02	260	260	02/11/02	260	260
1,1-DICHLORO ETHANE	02/11/02	7:12	7:12	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1
1,2-DICHLORO ETHANE	02/11/02	7:12	7:12	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1
1,1-DICHLORO ETHENE	02/11/02	7:12	7:12	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1
CIS-1,2-DICHLORO ETHENE	02/11/02	7:12	7:12	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1
TRANS-1,2-DICHLORO ETHENE	02/11/02	7:12	7:12	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1
DICHLOROMETHANE	02/11/02	7:12	7:12	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1
TETRACHLORO ETHENE	02/11/02	7:12	7:12	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1
1,1,1,2-TETRACHLORO ETHANE	02/11/02	7:12	7:12	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1
1,1,2,2-TETRACHLORO ETHANE	02/11/02	7:12	7:12	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1
1,1,1-TRICHLORO ETHANE	02/11/02	7:12	7:12	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1
1,1,2-TRICHLORO ETHANE	02/11/02	7:12	7:12	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1
TRICHLORO ETHENE	02/11/02	7:12	7:12	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1
VINYL CHLORIDE	02/11/02	7:12	7:12	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1
TRICHLOROFLUOROMETHANE (FR11)	02/11/02	7:12	7:12	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1
DICHLORODIFLUOROMETHANE (FR12)	02/11/02	7:12	7:12	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	02/11/02	7:12	7:12	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1
BENZENE	02/11/02	7:12	7:12	02/11/02	15.4	15.4	02/11/02	8.6	8.6	02/11/02	15.5	15.5	02/11/02	8.7	8.7	02/11/02	15.5	15.5	02/11/02	8.6	8.6
CHLOROBENZENE	02/11/02	7:12	7:12	02/11/02	17.9	17.9	02/11/02	50.2	50.2	02/11/02	17.9	17.9	02/11/02	49.4	49.4	02/11/02	17.9	17.9	02/11/02	49.4	49.4
ETHYLBENZENE	02/11/02	7:12	7:12	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1
TOLUENE	02/11/02	7:12	7:12	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1
m&p-XYLENES	02/11/02	7:12	7:12	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1
o-XYLENE	02/11/02	7:12	7:12	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1
SURROGATES	02/11/02	7:12	7:12	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1	02/11/02	1	1
1,4 DIFLUORO BENZENE	02/11/02	7:12	7:12	02/11/02	8.6	8.6	02/11/02	15.5	15.5	02/11/02	8.7	8.7	02/11/02	15.1	15.1	02/11/02	8.7	8.7	02/11/02	15.5	15.5
4 BROMOFLUROO BENZENE	02/11/02	7:12	7:12	02/11/02	17.9	17.9	02/11/02	51.1	51.1	02/11/02	17.9	17.9	02/11/02	51.2	51.2	02/11/02	17.9	17.9	02/11/02	51.2	51.2

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 (CERT #1667)  
 ANALYSES PERFORMED BY: MARK BURKE  
 DATA REVIEWED BY: TAMARA DAVIS

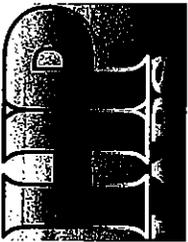


GEOPON PROJECT #04-4304-480 JPL 1  
 JET PROPULSION LABORATORY  
 4800 OAK GROVE DRIVE  
 PASADENA, CA

HP Labs Project #GF021102T2  
 GC SHIMADZU 14A  
 VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8021) ANALYSES OF SOIL VAPOR  
 AREA COUNTS

SAMPLE NAME	SVW30-VPE- 05		SVW30-VPE- 06 DUP		SVW30-VPE- 06 DUP		SVW31-VPA- 07		SVW31-VPA- 07		SVW31-VPB- 08		SVW31-VPB- 08		SVW31-VPD- 09		SVW31-VPD- 09	
	DATE	ANALYSIS TIME	DATE	ANALYSIS TIME	DATE	ANALYSIS TIME	DATE	ANALYSIS TIME	DATE	ANALYSIS TIME	DATE	ANALYSIS TIME	DATE	ANALYSIS TIME	DATE	ANALYSIS TIME	DATE	ANALYSIS TIME
	02/11/02	9:03	02/11/02	9:25	02/11/02	9:25	02/11/02	9:47	02/11/02	9:47	02/11/02	10:10	02/11/02	10:10	02/11/02	10:32	02/11/02	10:32
SAMPLING DEPTH (feet)	65	65	65	65	65	65	20	20	20	20	35	35	35	35	55	55	55	55
VOLUME WITHDRAWN (cc)	320	320	440	440	440	440	140	140	140	140	200	200	200	280	280	280	280	280
VOLUME INJECTED	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
DILUTION FACTOR	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA
CARBON TETRACHLORIDE	nd	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	nd
CHLOROFORM	nd	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	nd
1,2-DICHLORO ETHANE	nd	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	nd
CIS-1,2-DICHLORO ETHENE	nd	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	nd
DICHLOROMETHANE	nd	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	nd
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	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	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	nd
1,1,2-TRICHLORO ETHANE	nd	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	nd
VINYL CHLORIDE	nd	nd	nd	nd	nd	nd	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	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	nd
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	nd	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	nd
CHLOROBENZENE	nd	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	nd
TOLUENE	nd	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	nd
o-XYLENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SURROGATES	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,4 DIFLUORO BENZENE	8.6	15.6	8.7	15.6	8.7	15.6	8.7	17.3	8.7	17.3	8.7	14.4	8.7	8.7	15.7	15.7	8.7	15.7
4 BROMOFLUORO BENZENE	17.9	51.1	17.9	51.0	17.9	51.0	17.9	57.1	17.9	57.1	17.9	47.0	17.9	17.9	51.1	51.1	17.9	51.1

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 (CERT #1667)  
 ANALYSES PERFORMED BY: MARK BURKE  
 DATA REVIEWED BY: TAMARA DAVIS

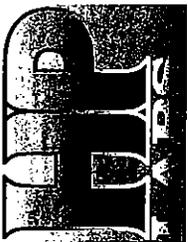


GEOFON PROJECT #04-4304-480 JPL 1  
 JET PROPULSION LABORATORY  
 4800 OAK GROVE DRIVE  
 PASADENA, CA

HP Labs Project #GF02110212  
 GC SHIMADZU 14A  
 VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8021) ANALYSES OF SOIL VAPOR  
 AREA COUNTS

SAMPLE NAME	SVW31-VPE-10		SVW31-VPE-10		SVW12-VPC-11		SVW12-VPC-11		SVW12-VPC-12		SVW12-VPC-12		SVW12-VPD-13		SVW12-VPD-13	
	DATE	ANALYSIS TIME	RT	AREA												
	02/11/02	10:54	10:54	11:43	11:43	11:43	12:05	12:05	12:05	12:05	12:05	12:29	12:29	12:29	12:29	12:29
ANALYSIS TIME	10:54	10:54	11:43	11:43	11:43	11:43	12:05	12:05	12:05	12:05	12:05	12:29	12:29	12:29	12:29	12:29
SAMPLING DEPTH (feet)	65	65	60	60	60	60	60	60	60	60	60	76	76	76	76	76
VOLUME WITHDRAWN (cc)	320	320	300	300	300	300	420	420	420	420	420	364	364	364	364	364
VOLUME INJECTED	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
DILUTION FACTOR	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CARBON TETRACHLORIDE	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
CHLOROFORM	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
1,2-DICHLORO ETHANE	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
CIS-1,2-DICHLORO ETHENE	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
DICHLOROMETHANE	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
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1,2,2-TETRACHLORO ETHANE	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
1,1,2-TRICHLORO ETHANE	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
VINYL CHLORIDE	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
DICHLORODIFLUOROMETHANE (FR12)	nd	nd	nd	nd	nd	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	nd	nd	nd	nd	nd
BENZENE	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
ETHYLBENZENE	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
m&p-XYLENES	nd	nd	nd	nd	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	nd	nd	nd	nd
SURROGATES	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,4 DIFLUORO BENZENE	8.7	15.2	8.7	15.0	8.7	15.0	8.7	14.5	8.7	14.5	8.7	15.3	15.3	8.7	15.3	15.3
4 BROMOFLUROO BENZENE	17.9	49.6	17.9	49.4	17.9	49.4	17.9	48.0	17.9	48.0	17.9	49.3	49.3	17.9	49.3	49.3

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 (CERT #1667)  
 ANALYSES PERFORMED BY: MARK BURKE  
 DATA REVIEWED BY: TAMARA DAVIS



GEOFON PROJECT #04-4304-480 JPL 1  
 JET PROPULSION LABORATORY  
 4800 OAK GROVE DRIVE  
 PASADENA, CA

HP Labs Project #GF021102T2

GC SHIMADZU 14A

VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8021) ANALYSES OF SOIL VAPOR  
 AREA COUNTS

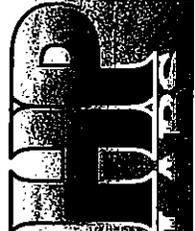
SAMPLE NAME	AMBIENT		AMBIENT		SWM5-VPB-		SWM7-VPB-											
	BLANK	02/12/02	BLANK	02/12/02	14	02/12/02	14	02/12/02	15	02/12/02	15	02/12/02	16	02/12/02	16	02/12/02	17	02/12/02
ANALYSIS TIME	7:32	7:32		7:32		7:54		7:54		8:16		8:16		8:38		8:38		8:38
SAMPLING DEPTH (feet)	--	--		--		9		9		20		20		35		35		35
VOLUME WITHDRAWN (cc)	--	--		--		96		96		140		140		200		200		200
VOLUME INJECTED	1	1		1		1		1		1		1		1		1		1
DILUTION FACTOR	1	1		1		1		1		1		1		1		1		1
	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA
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
1,1,1,2-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
DICHLORODIFLUOROMETHANE (FR12)	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
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	nd	nd		nd		nd		nd		nd		nd		nd		nd		nd
1,4 DIFLUORO BENZENE	8.6	14.5		8.6		14.7		8.6		15.2		8.7		14.7		8.7		14.8
4 BROMOFLUORO BENZENE	17.8	48.1		17.9		48.1		17.9		50.2		17.9		48.2		17.9		48.8

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 (CERT #1667)

ANALYSES PERFORMED BY: MARK BURKE

DATA REVIEWED BY: TAMARA DAVIS

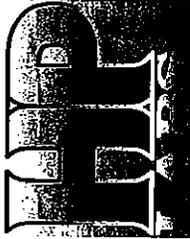


GEOFON PROJECT #04-4304-480 JPL 1  
 JET PROPULSION LABORATORY  
 4800 OAK GROVE DRIVE  
 PASADENA, CA

HP Labs Project #GF021102T2  
 GC SHIMADZU 14A  
 VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8021) ANALYSES OF SOIL VAPOR  
 AREA COUNTS

SAMPLE NAME	SWW1-VPB-		SWW2-VPB-		SWW3-VPB-		SWW3-VPB-		SWW3-VPB-									
	18 DUP	18 DUP	18 DUP	19	19	19	19	20	20	20	20	20	21	21	21	22	22	22
DATE	02/12/02	02/12/02	02/12/02	02/12/02	02/12/02	02/12/02	02/12/02	02/12/02	02/12/02	02/12/02	02/12/02	02/12/02	02/12/02	02/12/02	02/12/02	02/12/02	02/12/02	02/12/02
ANALYSIS TIME	9:24	9:24	9:24	9:46	9:46	9:46	10:08	10:08	10:08	10:08	10:08	10:31	10:31	10:31	10:56	10:56	10:56	10:56
SAMPLING DEPTH (feet)	21	21	21	33	33	33	40	40	40	40	40	40	40	40	47	47	47	47
VOLUME WITHDRAWN (cc)	264	264	264	192	192	192	100	100	100	100	100	220	220	220	248	248	248	248
VOLUME INJECTED	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
DILUTION FACTOR	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	RT	AREA																
CARBON TETRACHLORIDE	nd	nd																
CHLOROETHANE	nd	nd																
CHLOROFORM	nd	nd																
1,1-DICHLORO ETHANE	nd	nd																
1,2-DICHLORO ETHANE	nd	nd																
1,1-DICHLORO ETHENE	nd	nd																
CIS-1,2-DICHLORO ETHENE	nd	nd																
TRANS-1,2-DICHLORO ETHENE	nd	nd																
DICHLOROMETHANE	nd	nd																
TETRACHLORO ETHENE	nd	nd																
1,1,1,2-TETRACHLORO ETHANE	nd	nd																
1,1,2,2-TETRACHLORO ETHANE	nd	nd																
1,1,1-TRICHLORO ETHANE	nd	nd																
1,1,2-TRICHLORO ETHANE	nd	nd																
TRICHLORO ETHENE	nd	nd																
VINYL CHLORIDE	nd	nd																
TRICHLOROFUOROMETHANE (FR11)	nd	nd																
DICHLORODIFLUOROMETHANE (FR12)	nd	nd																
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	nd	nd																
BENZENE	nd	nd																
CHLOROBENZENE	nd	nd																
ETHYLBENZENE	nd	nd																
TOLUENE	nd	nd																
m&p-XYLENES	nd	nd																
o-XYLENE	nd	nd																
SURROGATES	nd	nd																
1,4 DIFLUORO BENZENE	8.7	15.3	8.7	14.6	8.7	15.0	8.7	15.0	8.7	15.2	8.7	15.2	8.7	15.2	8.7	14.8	8.7	14.8
4 BROMOFLURO BENZENE	17.9	49.4	17.9	47.8	17.9	48.9	17.9	48.9	17.9	50.3	17.9	50.3	17.9	50.3	17.9	48.1	17.9	48.1

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 (CERT #1667)  
 ANALYSES PERFORMED BY: MARK BURKE  
 DATA REVIEWED BY: TAMARA DAVIS

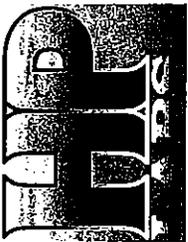


GEOFON PROJECT #04-4304-480 JPL 1  
 JET PROPULSION LABORATORY  
 4800 OAK GROVE DRIVE  
 PASADENA, CA

HP Labs Project #GF021102T2  
 GC SHIMADZU 14A  
 VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8021) ANALYSES OF SOIL VAPOR  
 AREA COUNTS

SAMPLE NAME	SVM4-VPB-23		SVM4-VPB-24		SVM4-VPB-24		SVM4-VPD-25		SVM4-VPD-25		SVM17-VPD-26		SVM17-VPD-26	
	DATE	RT	AREA	DUP	DATE	RT	AREA	DATE	RT	AREA	DATE	RT	AREA	DATE
ANALYSIS TIME	02/12/02	12:06	02/12/02	12:06	02/12/02	12:29	12:29	02/12/02	12:52	12:52	02/12/02	13:14	13:14	02/12/02
SAMPLING DEPTH (feet)	20	20	20	20	20	20	20	56	56	56	36	36	36	36
VOLUME WITHDRAWN (cc)	140	140	140	260	260	260	284	284	284	284	204	204	204	204
VOLUME INJECTED	1	1	1	1	1	1	1	1	1	1	1	1	1	1
DILUTION FACTOR	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CARBON TETRACHLORIDE	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
CHLOROFORM	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
1,2-DICHLORO ETHANE	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	78.1
CIS-1,2-DICHLORO ETHENE	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
DICHLOROMETHANE	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
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	12.9
1,1,2,2-TETRACHLORO ETHANE	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
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLORO ETHENE	9.1	9.1	9.8	9.1	7.6	9.1	9.1	9.1	9.1	1.3	nd	nd	nd	nd
VINYL CHLORIDE	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
DICHLORODIFLUOROMETHANE (FR12)	nd	nd	nd	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	nd	nd	nd
BENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	8.0
CHLOROBENZENE	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
TOLUENE	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	11.8
o-XYLENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	15.5
SURROGATES	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	16.3
1,4 DIFLUORO BENZENE	8.7	14.8	8.7	14.3	8.7	8.7	8.7	8.7	8.7	14.8	8.7	8.7	8.7	15.2
4 BROMOFLUORO BENZENE	17.9	49.9	17.9	47.8	17.9	17.9	17.9	17.9	17.9	49.6	17.9	17.9	17.9	46.7

ND INDICATES NOT DETECTED AT A DETECTION LIMIT OF 1.0 UGIL-VAPOR FOR EACH COMPOUND  
 ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY (CERT #1667)  
 ANALYSES PERFORMED BY: MARK BURKE  
 DATA REVIEWED BY: TAMARA DAVIS

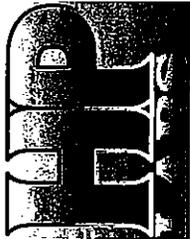


GEOFON PROJECT #04-4304-480 JPL 1  
 JET PROPULSION LABORATORY  
 4800 OAK GROVE DRIVE  
 PASADENA, CA

HP Labs Project #GF021102T2  
 GC SHIMADZU 14A  
 VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8021) ANALYSES OF SOIL VAPOR  
 AREA COUNTS

SAMPLE NAME	AMBIENT BLANK		SVW9-VPA- 27		SVW9-VPA- 27		SVW9-VPB- 28		SVW9-VPB- 28		SVW9-VPC- 29		SVW9-VPC- 29		SVW9-VPC- 30		SVW9-VPC- 30			
	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA		
DATE	02/13/02	02/13/02	02/13/02	02/13/02	02/13/02	02/13/02	02/13/02	02/13/02	02/13/02	02/13/02	02/13/02	02/13/02	02/13/02	02/13/02	02/13/02	02/13/02	02/13/02	02/13/02	02/13/02	
ANALYSIS TIME	7:47	7:47	8:11	8:11	8:11	8:33	8:33	8:33	8:33	8:55	8:55	8:55	8:55	9:17	9:17	9:17	9:17	9:17	9:17	
SAMPLING DEPTH (feet)	--	--	20	20	20	35	35	35	35	50	50	50	50	50	50	50	50	50	50	50
VOLUME WITHDRAWN (cc)	--	--	140	140	140	200	200	200	200	260	260	260	260	380	380	380	380	380	380	380
VOLUME INJECTED	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
DILUTION FACTOR	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA
CARBON TETRACHLORIDE	nd	nd	nd	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	nd	nd	nd
CHLOROFORM	nd	nd	nd	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	nd	nd	nd
1,2-DICHLORO ETHANE	nd	nd	nd	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	nd	nd	nd
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	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	nd	nd	nd
DICHLOROMETHANE	nd	nd	nd	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	nd	nd	nd
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	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	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	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	nd	nd	nd
TRICHLORO ETHENE	nd	nd	nd	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	nd	nd	nd
TRICHLOROFLUOROMETHANE (FR11)	nd	nd	nd	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	nd	nd	nd
1,1,2-TRICHLORO TRIFLUOROETHANE (FR113)	nd	nd	4.1	30.9	4.1	38.6	4.1	27.4	4.1	27.4	4.1	27.4	4.1	31.4	4.1	27.4	4.1	4.1	31.4	4.1
BENZENE	nd	nd	nd	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	nd	nd	nd
ETHYLBENZENE	nd	nd	nd	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	nd	nd	nd
m&p-XYLENES	nd	nd	nd	nd	nd	nd	nd	nd	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	nd	nd	nd	nd	nd	nd	nd	nd
SURROGATES																				
1,4 DIFLUORO BENZENE	8.6	14.3	8.7	14.9	8.6	14.8	8.7	14.8	8.6	14.8	8.7	14.8	8.6	14.6	8.6	14.8	8.6	14.6	8.6	14.6
4 BROMOFLUORO BENZENE	17.9	48.1	17.9	49.0	17.9	49.2	17.9	49.2	17.9	49.2	17.9	49.2	17.9	48.7	17.9	49.2	17.9	48.7	17.9	48.7

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 (CERT #1667)  
 ANALYSES PERFORMED BY: MARK BURKE  
 DATA REVIEWED BY: TAMARA DAVIS

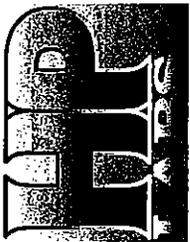


GEOFON PROJECT #04-4304-480 JPL 1  
 JET PROPULSION LABORATORY  
 4800 OAK GROVE DRIVE  
 PASADENA, CA

HP Labs Project #GF021102T2  
 GC SHIMADZU 14A  
 VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8021) ANALYSES OF SOIL VAPOR  
 AREA COUNTS

SAMPLE NAME	SVM99-VPD- 31	SVM99-VPD- 02/13/02	SVM99-VPD- 31	SVM99-VPE- 32	SVM99-VPE- 02/13/02	SVM99-VPE- 32	SVM99-VPE- 02/13/02	SVM10-VPB- 33	SVM10-VPB- 02/13/02	SVM10-VPB- 33	SVM10-VPD- 34	SVM10-VPD- 02/13/02	SVM10-VPD- 34	SVM10-VPD- 02/13/02	SVM32-VPH- 35	SVM32-VPH- 02/13/02
DATE	02/13/02	02/13/02	02/13/02	02/13/02	02/13/02	02/13/02	02/13/02	02/13/02	02/13/02	02/13/02	02/13/02	02/13/02	02/13/02	02/13/02	02/13/02	02/13/02
ANALYSIS TIME	9:39	9:39	9:39	10:01	10:01	10:01	10:01	10:24	10:24	10:24	10:47	10:47	10:47	11:13	11:13	11:13
SAMPLING DEPTH (feet)	70	70	70	87	87	87	87	35	35	35	69	69	69	155	155	155
VOLUME WITHDRAWN (cc)	340	340	340	408	408	408	408	200	200	200	336	336	336	680	680	680
VOLUME INJECTED	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
DILUTION FACTOR	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CARBON TETRACHLORIDE	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
CHLOROFORM	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
1,2-DICHLORO ETHANE	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
CIS-1,2-DICHLORO ETHENE	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
DICHLOROMETHANE	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
1,1,1,2-TETRACHLORO ETHANE	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
1,1,1-TRICHLORO ETHANE	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
TRICHLORO ETHENE	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
TRICHLOROFUOROMETHANE (FR11)	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
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	4.1	29.1	4.1	28.5	4.1	28.5	4.1	35.6	4.1	35.6	4.1	25.9	4.1	4.1	199	199
BENZENE	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
ETHYLBENZENE	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
m&p-XYLENES	nd	nd	nd	nd	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	nd	nd	nd	nd
SURROGATES																
1,4 DIFLUORO BENZENE	8.6	14.7	8.6	14.4	8.7	14.4	8.7	14.9	8.7	14.9	8.7	14.9	8.7	8.7	15.2	15.2
4 BROMOFLUROO BENZENE	17.9	48.7	17.9	48.5	17.9	48.5	17.9	49.9	18.0	49.9	18.0	50.0	17.9	17.9	50.9	50.9

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 (CERT #1667)  
 ANALYSES PERFORMED BY: MARK BURKE  
 DATA REVIEWED BY: TAMARA DAVIS

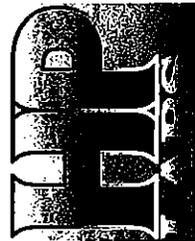


GEOFON PROJECT #04-4304-480 JPL 1  
 JET PROPULSION LABORATORY  
 4800 OAK GROVE DRIVE  
 PASADENA, CA

HP Labs Project #GF021102T2  
 GC SHIMADZU 14A  
 VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8021) ANALYSES OF SOIL VAPOR  
 AREA COUNTS

SAMPLE NAME	SWM32-VPH- SWM32-VPH-		SWM11-VPA- SWM11-VPA-		SWM11-VPE- SWM11-VPE-		SWM14-VPA- SWM14-VPA-		SWM14-VPB- SWM14-VPB-		
	36 DUP	36 DUP	37	37	38	38	39	39	40	40	
DATE	02/13/02	02/13/02	02/13/02	02/13/02	02/13/02	02/13/02	02/13/02	02/13/02	02/13/02	02/13/02	
ANALYSIS TIME	11:35	11:35	12:47	12:47	13:10	13:10	13:32	13:32	13:55	13:55	
SAMPLING DEPTH (feet)	155	155	20	20	96	96	5	5	10	10	
VOLUME WITHDRAWN (cc)	800	800	140	140	444	444	80	80	100	100	
VOLUME INJECTED	1	1	1	1	1	1	1	1	1	1	
DILUTION FACTOR	1	1	1	1	1	1	1	1	1	1	
RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA
CARBON TETRACHLORIDE	7.7	96.7	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROETHANE	nd	nd	nd								
CHLOROFORM	nd	nd	nd								
1,1-DICHLORO ETHANE	nd	nd	nd								
1,2-DICHLORO ETHANE	nd	nd	nd								
1,1-DICHLORO ETHENE	nd	nd	nd								
CIS-1,2-DICHLORO ETHENE	nd	nd	nd								
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd								
DICHLOROMETHANE	nd	nd	nd								
TETRACHLORO ETHENE	nd	nd	nd								
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd								
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd								
1,1,1-TRICHLORO ETHANE	nd	nd	nd								
1,1,2-TRICHLORO ETHANE	nd	nd	nd								
TRICHLORO ETHENE	nd	nd	nd								
VINYL CHLORIDE	nd	nd	nd								
TRICHLOROFLUOROMETHANE (FR11)	nd	nd	nd								
DICHLORODIFLUOROMETHANE (FR12)	nd	nd	nd								
1,1,2-TRICHLORO TRIFLUOROETHANE (FR13)	4.2	152	nd	nd	nd	nd	nd	nd	nd	nd	nd
BENZENE	nd	nd	nd								
CHLOROBENZENE	nd	nd	nd								
ETHYLBENZENE	nd	nd	nd								
TOLUENE	nd	nd	nd								
m&p-XYLENES	nd	nd	nd								
o-XYLENE	nd	nd	nd								
SURROGATES											
1,4 DIFLUORO BENZENE	8.7	14.7	8.7	13.8	8.7	14.9	8.7	15.2	8.7	14.5	
4 BROMOFLUORO BENZENE	17.9	49.0	17.9	46.6	17.9	50.6	17.9	50.7	17.9	48.7	

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 (CERT #1667)  
 ANALYSES PERFORMED BY: MARK BURKE  
 DATA REVIEWED BY: TAMARA DAVIS



GEOFON PROJECT #04-4304-480 JPL 1  
 JET PROPULSION LABORATORY  
 4800 OAK GROVE DRIVE  
 PASADENA, CA

HP Labs Project #GF021102T2  
 GC SHIMADZU 14A  
 VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8021) ANALYSES OF SOIL VAPOR  
 AREA COUNTS

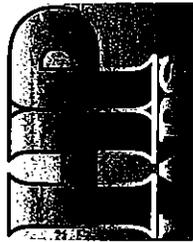
SAMPLE NAME	AMBIENT BLANK		AMBIENT BLANK		SWW27-VPA-41		SWW27-VPA-42		SWW27-VPA-43		SWW27-VPB-43	
	DATE	RT	DATE	RT	DATE	RT	DATE	RT	DATE	RT	DATE	RT
ANALYSIS TIME	7:17	7:17	7:39	7:39	8:01	8:01	8:23	8:23	8:01	8:01	8:23	8:23
SAMPLING DEPTH (feet)	--	--	20	20	20	20	35	35	20	20	35	35
VOLUME WITHDRAWN (cc)	--	--	140	140	260	260	200	200	260	260	200	200
VOLUME INJECTED	1	1	1	1	1	1	1	1	1	1	1	1
DILUTION FACTOR	1	1	1	1	1	1	1	1	1	1	1	1
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
1,2-DICHLORO ETHANE	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
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
1,1,1,2-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-TRICHLOROTRIFLUOROETHANE (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
SURROGATES												
1,4 DIFLUORO BENZENE	8.6	14.2	8.6	15.0	8.7	14.3	8.7	14.6	8.7	14.3	8.7	14.6
4 BROMOFLUORO BENZENE	17.8	47.9	17.9	50.0	17.9	48.1	17.9	48.7	17.9	48.1	17.9	48.7

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 #1667

ANALYSES PERFORMED BY: MARK BURKE

DATA REVIEWED BY: TAMARA DAVIS



GEOFON PROJECT #04-4304-480 JPL 1  
 JET PROPULSION LABORATORY  
 4800 OAK GROVE DRIVE  
 PASADENA, CA

HP Labs Project #GF021102T2  
 GC SHIMADZU 14A

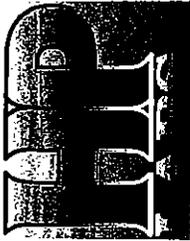
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8021) ANALYSES OF SOIL VAPOR AREA COUNTS

SAMPLE NAME	SVM27-VPC-44		SVM27-VPC-44i		SVM27-VPD-45		SVM27-VPE-46		SVM27-VPE-46i		SVM27-VPF-47	
	DATE	RT	DATE	AREA	DATE	RT	DATE	RT	DATE	RT	DATE	RT
CARBON TETRACHLORIDE	02/14/02	8:47	02/14/02	8:47	02/14/02	9:09	02/14/02	9:31	02/14/02	9:31	02/14/02	9:52
CHLOROETHANE		60		60		85		100		100		120
CHLOROFORM		300		300		400		460		460		540
1,1-DICHLORO ETHANE		1		1		1		1		1		1
1,2-DICHLORO ETHANE		1		1		1		1		1		1
1,1-DICHLORO ETHENE		1		1		1		1		1		1
CIS-1,2-DICHLORO ETHENE		1		1		1		1		1		1
TRANS-1,2-DICHLORO ETHENE		1		1		1		1		1		1
DICHLOROMETHANE		1		1		1		1		1		1
TETRACHLORO ETHENE		1		1		1		1		1		1
1,1,1,2-TETRACHLORO ETHANE		1		1		1		1		1		1
1,1,2,2-TETRACHLORO ETHANE		1		1		1		1		1		1
1,1,1-TRICHLORO ETHANE		1		1		1		1		1		1
1,1,2-TRICHLORO ETHANE		1		1		1		1		1		1
TRICHLORO ETHENE		1		1		1		1		1		1
VINYL CHLORIDE		1		1		1		1		1		1
TRICHLOROFLUOROMETHANE (FR11)		1		1		1		1		1		1
DICHLORODIFLUOROMETHANE (FR12)		1		1		1		1		1		1
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)		1		1		1		1		1		1
BENZENE		14.7		14.7		8.7		8.6		14.8		14.7
CHLOROBENZENE		17.9		17.9		17.9		17.8		17.8		17.8
ETHYLBENZENE		8.6		8.6		8.7		8.6		8.6		8.6
TOLUENE		49.3		49.3		48.3		48.5		48.5		49.0
m&p-XYLENES		17.9		17.9		17.9		17.8		17.8		17.8
o-XYLENE		8.6		8.6		8.7		8.6		8.6		8.6
SURROGATES		17.9		17.9		17.9		17.8		17.8		17.8
1,4 DIFLUORO BENZENE		8.6		8.6		8.7		8.6		8.6		8.6
4 BROMODIFLUORO BENZENE		17.9		17.9		17.9		17.8		17.8		17.8

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 #1667

ANALYSES PERFORMED BY: MARK BURKE  
 DATA REVIEWED BY: TAMARA DAVIS

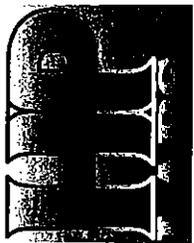


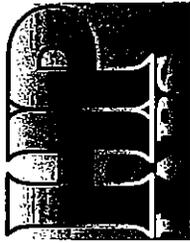
GEOPON PROJECT #04-4304-480 JPL 1  
 JET PROPULSION LABORATORY  
 4800 OAK GROVE DRIVE  
 PASADENA, CA

HP Labs Project #GF021102T2  
 GC SHIMADZU 14A  
 VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8021) ANALYSES OF SOIL VAPOR  
 AREA COUNTS

SAMPLE NAME	SVW27-VPF-48	SVW27-VPF-48	SVW27-VPG-49	SVW27-VPG-49	SVW27-VPI-50	SVW27-VPI-50	SVW27-VPI-50	SVW27-VPI-51	SVW27-VPI-51
	DUP	DUP							
DATE	02/14/02	02/14/02	02/14/02	02/14/02	02/14/02	02/14/02	02/14/02	02/14/02	02/14/02
ANALYSIS TIME	10:14	10:14	10:36	10:36	10:58	10:58	11:44	11:44	11:44
SAMPLING DEPTH (feet)	120	120	140	140	180	180	205	205	205
VOLUME WITHDRAWN (cc)	660	660	620	620	780	780	880	880	880
VOLUME INJECTED	1	1	1	1	1	1	1	1	1
DILUTION FACTOR	1	1	1	1	1	1	1	1	1
	RT	AREA	RT	AREA	RT	AREA	RT	AREA	AREA
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-TRICHLOROTRIFLUOROETHANE (FR13)	nd								
BENZENE	nd								
CHLOROBENZENE	nd								
ETHYLBENZENE	nd								
TOLUENE	nd								
m&p-XYLENES	nd								
o-XYLENE	nd								
SURROGATES									
1,4 DIFLUORO BENZENE	8.6	14.5	8.6	14.5	8.6	14.5	8.6	14.5	14.0
4 BROMOFLUORO BENZENE	17.8	48.9	17.9	48.6	17.0	48.7	17.9	47.8	47.8

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 #1667  
 ANALYSES PERFORMED BY: MARK BURKE  
 DATA REVIEWED BY: TAMARA DAVIS



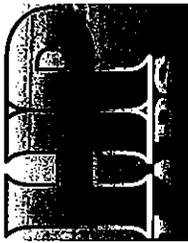


GEOFON PROJECT #04-4304-480 JPL 1  
 JET PROPULSION LABORATORY  
 4800 OAK GROVE DRIVE  
 PASADENA, CA

HP Labs Project #GF021102T2  
 GC SHIMADZU 14A  
 VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8021) ANALYSES OF SOIL VAPOR  
 AREA COUNTS

SAMPLE NAME	SVMW26-VPF-52		SVMW26-VPF-53		SVMW26-VPG-54		SVMW26-VPG-55		SVMW26-VPH-55	
	DATE	RT	DATE	RT	DATE	RT	DATE	RT	DATE	RT
CARBON TETRACHLORIDE	02/14/02	7.7	02/14/02	114	02/14/02	12:30	02/14/02	12:52	02/14/02	13:14
CHLOROETHANE	12:06	nd	12:06	nd	12:30	nd	12:52	13:14	13:14	nd
CHLOROFORM	115	nd	115	nd	140	nd	140	160	160	nd
1,1-DICHLORO ETHANE	520	nd	520	nd	620	nd	740	700	700	nd
1,2-DICHLORO ETHANE	1	nd	1	nd	1	nd	1	1	1	nd
1,1-DICHLORO ETHENE	1	4.1	1	1.0	1	nd	1	1	1	nd
CIS-1,2-DICHLORO ETHENE	1	nd	1	nd	1	nd	1	1	1	nd
TRANS-1,2-DICHLORO ETHENE	1	nd	1	nd	1	nd	1	1	1	nd
DICHLOROMETHANE	1	nd	1	nd	1	nd	1	1	1	nd
TETRACHLORO ETHENE	1	nd	1	nd	1	nd	1	1	1	nd
1,1,1,2-TETRACHLORO ETHANE	1	nd	1	nd	1	nd	1	1	1	nd
1,1,2,2-TETRACHLORO ETHANE	1	nd	1	nd	1	nd	1	1	1	nd
1,1,1-TRICHLORO ETHANE	1	nd	1	nd	1	nd	1	1	1	nd
1,1,2-TRICHLORO ETHANE	1	nd	1	nd	1	nd	1	1	1	nd
TRICHLORO ETHENE	1	nd	1	nd	1	nd	1	1	1	nd
VINYL CHLORIDE	1	nd	1	nd	1	nd	1	1	1	nd
TRICHLOROFLUOROMETHANE (FR11)	1	nd	1	nd	1	nd	1	1	1	nd
DICHLORODIFLUOROMETHANE (FR12)	1	nd	1	nd	1	nd	1	1	1	nd
1,1,2-TRICHLOROFLUOROETHANE (FR113)	1	nd	1	nd	1	nd	1	1	1	nd
BENZENE	1	nd	1	nd	1	nd	1	1	1	nd
CHLOROBENZENE	1	nd	1	nd	1	nd	1	1	1	nd
ETHYLBENZENE	1	nd	1	nd	1	nd	1	1	1	nd
TOLUENE	1	nd	1	nd	1	nd	1	1	1	nd
m&p-XYLENES	1	nd	1	nd	1	nd	1	1	1	nd
o-XYLENE	1	nd	1	nd	1	nd	1	1	1	nd
SURROGATES	1	nd	1	nd	1	nd	1	1	1	nd
1,4 DIFLUORO BENZENE	8.7	14.3	8.7	14.5	8.7	14.7	8.7	14.5	8.7	14.5
4-BROMOFLURO BENZENE	17.9	48.2	17.9	49.0	17.9	49.9	17.9	48.8	17.9	48.8

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 #1667  
 ANALYSES PERFORMED BY: MARK BURKE  
 DATA REVIEWED BY: TAMARA DAVIS

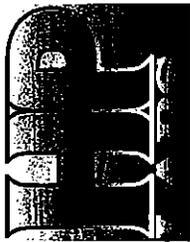


GEOPON PROJECT #04-4304-480 JPL 1  
 JET PROPULSION LABORATORY  
 4800 OAK GROVE DRIVE  
 PASADENA, CA

HP Labs Project #GF021102T2  
 GC SHIMADZU 14A  
 VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8021) ANALYSES OF SOIL VAPOR  
 AREA COUNTS

SAMPLE NAME	AMBIENT		AMBIENT		SVW37-VPA-		SVW37-VPA-		SVW37-VPD-		SVW37-VPD-		SVW37-VPE-		SVW37-VPE-		SVW37-VPH-		SVW37-VPH-	
	BLANK	02/15/02	BLANK	02/15/02	56	56	57	57	58	58	59	59	58	58	59	59	58	58	59	59
DATE	02/15/02	02/15/02	02/15/02	02/15/02	02/15/02	02/15/02	02/15/02	02/15/02	02/15/02	02/15/02	02/15/02	02/15/02	02/15/02	02/15/02	02/15/02	02/15/02	02/15/02	02/15/02	02/15/02	02/15/02
ANALYSIS TIME	6:45	6:45	7:15	7:15	7:15	7:15	7:39	7:39	8:01	8:01	8:01	8:01	8:01	8:01	8:23	8:23	8:01	8:01	8:23	8:23
SAMPLING DEPTH (feet)	--	--	25	25	25	25	80	80	100	100	100	100	100	100	155	155	100	100	155	155
VOLUME WITHDRAWN (cc)	--	--	160	160	160	160	380	380	460	460	460	460	460	460	680	680	460	460	680	680
VOLUME INJECTED	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
DILUTION FACTOR	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CARBON TETRACHLORIDE	nd	nd	nd	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	nd	nd	nd
CHLOROFORM	nd	nd	nd	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	nd	nd	nd
1,2-DICHLORO ETHANE	nd	nd	nd	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	nd	nd	nd
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	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	nd	nd	nd
DICHLOROMETHANE	nd	nd	nd	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	nd	nd	nd
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	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	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	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	nd	nd	nd
TRICHLORO ETHENE	nd	nd	nd	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	nd	nd	nd
TRICHLOROFLUOROMETHANE (FR11)	nd	nd	nd	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	nd	nd	nd
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	nd	nd	nd	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	nd	nd	nd
CHLOROBENZENE	nd	nd	nd	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	nd	nd	nd
TOLUENE	nd	nd	nd	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	nd	nd	nd
o-XYLENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SURROGATES	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,4 DIFLUORO BENZENE	8.6	14.2	8.6	14.4	8.6	14.6	8.6	14.6	8.6	14.3	8.6	14.3	8.6	14.5	8.6	14.5	8.6	14.5	8.6	14.5
4 BROMOFLUORO BENZENE	17.8	47.7	17.9	48.2	17.9	48.8	17.9	48.8	17.9	48.2	17.9	48.2	17.9	48.9	17.9	48.9	17.9	48.9	17.9	48.9

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 (CERT #1667)  
 ANALYSES PERFORMED BY: MARK BURKE  
 DATA REVIEWED BY: TAMARA DAVIS



GEOFON PROJECT #04-4304-480 JPL 1  
 JET PROPULSION LABORATORY  
 4800 OAK GROVE DRIVE  
 PASADENA, CA

HP Labs Project #GF021102T2  
 GC SHIMADZU 14A

VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8021) ANALYSES OF SOIL VAPOR  
 AREA COUNTS

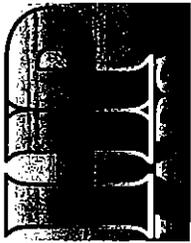
SAMPLE NAME	SVM37-VPH- 60 DUP		SVM37-VPH- 60 DUP		SVM37-VPJ- 61		SVM37-VPJ- 62		SVM37-VPJ- 62		SVM36-VPB- 63		SVM36-VPB- 64	
	DATE	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	
CARBON TETRACHLORIDE	02/15/02	8:45	155	02/15/02	9:08	170	02/15/02	9:32	185	02/15/02	10:08	200	02/15/02	10:30
CHLOROETHANE	02/15/02	8:45	800	02/15/02	9:08	740	02/15/02	9:32	800	02/15/02	10:08	200	02/15/02	10:30
CHLOROFORM	02/15/02	8:45	1	02/15/02	9:08	1	02/15/02	9:32	1	02/15/02	10:08	1	02/15/02	10:30
1,1-DICHLORO ETHANE	02/15/02	8:45	1	02/15/02	9:08	1	02/15/02	9:32	1	02/15/02	10:08	1	02/15/02	10:30
1,2-DICHLORO ETHANE	02/15/02	8:45	1	02/15/02	9:08	1	02/15/02	9:32	1	02/15/02	10:08	1	02/15/02	10:30
1,1-DICHLORO ETHENE	02/15/02	8:45	1	02/15/02	9:08	1	02/15/02	9:32	1	02/15/02	10:08	1	02/15/02	10:30
CIS-1,2-DICHLORO ETHENE	02/15/02	8:45	1	02/15/02	9:08	1	02/15/02	9:32	1	02/15/02	10:08	1	02/15/02	10:30
TRANS-1,2-DICHLORO ETHENE	02/15/02	8:45	1	02/15/02	9:08	1	02/15/02	9:32	1	02/15/02	10:08	1	02/15/02	10:30
DICHLOROMETHANE	02/15/02	8:45	1	02/15/02	9:08	1	02/15/02	9:32	1	02/15/02	10:08	1	02/15/02	10:30
TETRACHLORO ETHENE	02/15/02	8:45	1	02/15/02	9:08	1	02/15/02	9:32	1	02/15/02	10:08	1	02/15/02	10:30
1,1,1,2-TETRACHLORO ETHANE	02/15/02	8:45	1	02/15/02	9:08	1	02/15/02	9:32	1	02/15/02	10:08	1	02/15/02	10:30
1,1,2,2-TETRACHLORO ETHANE	02/15/02	8:45	1	02/15/02	9:08	1	02/15/02	9:32	1	02/15/02	10:08	1	02/15/02	10:30
1,1,1-TRICHLORO ETHANE	02/15/02	8:45	1	02/15/02	9:08	1	02/15/02	9:32	1	02/15/02	10:08	1	02/15/02	10:30
1,1,2-TRICHLORO ETHANE	02/15/02	8:45	1	02/15/02	9:08	1	02/15/02	9:32	1	02/15/02	10:08	1	02/15/02	10:30
TRICHLORO ETHENE	02/15/02	8:45	1	02/15/02	9:08	1	02/15/02	9:32	1	02/15/02	10:08	1	02/15/02	10:30
VINYL CHLORIDE	02/15/02	8:45	1	02/15/02	9:08	1	02/15/02	9:32	1	02/15/02	10:08	1	02/15/02	10:30
TRICHLOROFUOROMETHANE (FR11)	02/15/02	8:45	1	02/15/02	9:08	1	02/15/02	9:32	1	02/15/02	10:08	1	02/15/02	10:30
DICHLORODIFLUOROMETHANE (FR12)	02/15/02	8:45	1	02/15/02	9:08	1	02/15/02	9:32	1	02/15/02	10:08	1	02/15/02	10:30
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	02/15/02	8:45	1	02/15/02	9:08	1	02/15/02	9:32	1	02/15/02	10:08	1	02/15/02	10:30
BENZENE	02/15/02	8:45	1	02/15/02	9:08	1	02/15/02	9:32	1	02/15/02	10:08	1	02/15/02	10:30
CHLOROBENZENE	02/15/02	8:45	1	02/15/02	9:08	1	02/15/02	9:32	1	02/15/02	10:08	1	02/15/02	10:30
ETHYLBENZENE	02/15/02	8:45	1	02/15/02	9:08	1	02/15/02	9:32	1	02/15/02	10:08	1	02/15/02	10:30
TOLUENE	02/15/02	8:45	1	02/15/02	9:08	1	02/15/02	9:32	1	02/15/02	10:08	1	02/15/02	10:30
m & p-XYLENES	02/15/02	8:45	1	02/15/02	9:08	1	02/15/02	9:32	1	02/15/02	10:08	1	02/15/02	10:30
o-XYLENE	02/15/02	8:45	1	02/15/02	9:08	1	02/15/02	9:32	1	02/15/02	10:08	1	02/15/02	10:30
SURROGATES	02/15/02	8:45	1	02/15/02	9:08	1	02/15/02	9:32	1	02/15/02	10:08	1	02/15/02	10:30
1,4 DIFLUORO BENZENE	02/15/02	8:45	14.3	02/15/02	9:08	14.2	02/15/02	9:32	8.7	02/15/02	10:08	14.3	02/15/02	10:30
4 BROMOFUORO BENZENE	02/15/02	8:45	17.9	02/15/02	9:08	17.9	02/15/02	9:32	17.9	02/15/02	10:08	17.9	02/15/02	10:30

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 (CERT #1667)

ANALYSES PERFORMED BY: MARK BURKE

DATA REVIEWED BY: TAMARA DAVIS



GEOFON PROJECT #04-4304-480 JPL 1  
 JET PROPULSION LABORATORY  
 4800 OAK GROVE DRIVE  
 PASADENA, CA

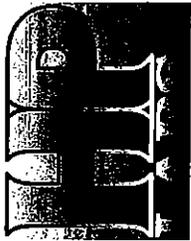
HP Labs Project #GF021102T2  
 GC SHIMADZU 14A

VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8021) ANALYSES OF SOIL VAPOR AREA COUNTS

SAMPLE NAME	SVW35-VPE- 65		SVW36-VPE- 66 DUP		SVW36-VPE- 66 DUP		SVW8-VPC- 67		SVW8-VPD- 68		SVW8-VPE- 69		
	DATE	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA
ANALYSIS TIME	02/15/02	11:19	02/15/02	11:19	02/15/02	11:19	02/15/02	12:04	02/15/02	12:26	02/15/02	12:48	02/15/02
SAMPLING DEPTH (feet)	92	92	11:42	92	11:42	92	12:04	50	12:26	70	12:48	90	12:48
VOLUME WITHDRAWN (cc)	428	428	548	428	548	428	260	340	340	420	420	420	420
VOLUME INJECTED	1	1	1	1	1	1	1	1	1	1	1	1	1
DILUTION FACTOR	1	1	1	1	1	1	1	1	1	1	1	1	1
CARBON TETRACHLORIDE	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
CHLOROFORM	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
1,2-DICHLORO ETHANE	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
CIS-1,2-DICHLORO ETHENE	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
DICHLOROMETHANE	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
1,1,1,2-TETRACHLORO ETHANE	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
1,1,1-TRICHLORO ETHANE	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
TRICHLORO ETHENE	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
TRICHLOROFLUOROMETHANE (FR11)	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
1,1,2-TRICHLOROETHANE (FR113)	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
CHLOROBENZENE	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
TOLUENE	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
o-XYLENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SURROGATES													
1,4-DIFLUORO BENZENE	8.7	14.2	8.7	15.3	8.7	14.8	8.7	14.6	8.7	14.6	8.6	14.9	14.9
4-BROMOFLUORO BENZENE	17.9	48.0	17.9	51.2	17.9	49.9	17.9	48.7	17.9	48.7	17.9	50.6	50.6

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 (CERT #1667)  
 ANALYSES PERFORMED BY: MARK BURKE  
 DATA REVIEWED BY: TAMARA DAVIS

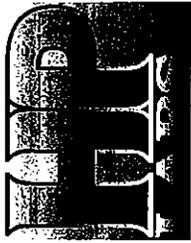


GEOFON PROJECT #04-4304-480 JPL 1  
 JET PROPULSION LABORATORY  
 4800 OAK GROVE DRIVE  
 PASADENA, CA

HP Labs Project #GF021102T2  
 GC SHIMADZU 14A  
 VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8021) ANALYSES OF SOIL VAPOR  
 AREA COUNTS

SAMPLE NAME	AMBIENT BLANK		AMBIENT BLANK		SVM39-VPA- 70		SVM39-VPA- 70		SVM39-VPC- 71		SVM39-VPC- 71		SVM39-VPC- 72 DUP		SVM39-VPD- 73		SVM39-VPD- 73		
	02/19/02	02/19/02	02/19/02	02/19/02	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	
DATE	02/19/02	02/19/02	02/19/02	02/19/02	02/19/02	02/19/02	02/19/02	02/19/02	02/19/02	02/19/02	02/19/02	02/19/02	02/19/02	02/19/02	02/19/02	02/19/02	02/19/02	02/19/02	02/19/02
ANALYSIS TIME	6:49	6:49	7:10	7:10	7:10	7:10	7:32	7:32	7:32	7:32	7:54	7:54	7:54	7:54	8:15	8:15	8:15	8:15	8:15
SAMPLING DEPTH (feet)	--	--	20	20	20	20	50	50	50	50	50	50	50	50	70	70	70	70	70
VOLUME WITHDRAWN (cc)	--	--	140	140	140	140	260	260	260	260	380	380	380	380	340	340	340	340	340
VOLUME INJECTED	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
DILUTION FACTOR	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CARBON TETRACHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd										
CHLOROETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd										
CHLOROFORM	nd	nd	nd	nd	nd	nd	nd	nd	nd										
1,1-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd										
1,2-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd										
1,1-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd										
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd										
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd										
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd										
TETRACHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd										
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd										
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd										
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd										
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd										
TRICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd										
VINYL CHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd										
TRICHLOROFLUOROMETHANE (FR11)	nd	nd	nd	nd	nd	nd	nd	nd	nd										
DICHLORODIFLUOROMETHANE (FR12)	nd	nd	nd	nd	nd	nd	nd	nd	nd										
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	nd	nd	nd	nd	nd	nd	nd	nd	nd										
BENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd										
CHLOROBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd										
ETHYLBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd										
TOLUENE	nd	nd	nd	nd	nd	nd	nd	nd	nd										
m&p-XYLENES	nd	nd	nd	nd	nd	nd	nd	nd	nd										
o-XYLENE	nd	nd	nd	nd	nd	nd	nd	nd	nd										
SURROGATES	nd	nd	nd	nd	nd	nd	nd	nd	nd										
1,4 DIFLUORO BENZENE	8.6	14.5	8.6	13.6	8.6	14.3	8.6	8.6	14.3	8.6	8.6	14.3	8.6	14.3	8.6	8.6	14.4	14.4	14.4
4 BROMOFLUORO BENZENE	17.8	49.2	17.8	46.8	17.8	48.7	17.8	17.8	48.7	17.8	17.8	48.6	17.8	48.6	17.8	17.8	49.5	49.5	49.5

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 (CERT #1667)  
 ANALYSES PERFORMED BY: MARK BURKE  
 DATA REVIEWED BY: TAMARA DAVIS



GEOFON PROJECT #04-4304-480 JPL 1  
 JET PROPULSION LABORATORY  
 4800 OAK GROVE DRIVE  
 PASADENA, CA

HP Labs Project #GF021102T2  
 GC SHIMADZU 14A

VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8021) ANALYSES OF SOIL VAPOR

AREA COUNTS

SAMPLE NAME	SVW39-VPE- 74		SVW39-VPE- 74		SVW39-VPE- 75		SVW39-VPE- 75		SVW39-VPI- 76		SVW39-VPE- 77		SVW38-VPE- 77		SVW38-VPE- 78		SVW38-VPE- 78		
	DATE	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA
ANALYSIS TIME	02/19/02	8:37	8:37	02/19/02	9:08	9:08	02/19/02	9:35	9:35	02/19/02	9:57	9:57	02/19/02	9:57	10:19	10:19	02/19/02	10:19	10:19
SAMPLING DEPTH (feet)	85	85	400	100	100	130	130	580	580	440	440	440	440	440	560	560	560	560	560
VOLUME WITHDRAWN (cc)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
VOLUME INJECTED	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
DILUTION FACTOR	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CARBON TETRACHLORIDE	nd	nd	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	nd	nd
CHLOROFORM	nd	nd	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	nd	nd
1,2-DICHLORO ETHANE	nd	nd	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	nd	nd
CIS-1,2-DICHLORO ETHENE	nd	nd	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	nd	nd
DICHLOROMETHANE	nd	nd	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	nd	nd
1,1,1,2-TETRACHLORO ETHANE	nd	nd	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	nd	nd
1,1,1-TRICHLORO ETHANE	nd	nd	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	nd	nd
TRICHLORO ETHENE	nd	nd	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	nd	nd
TRICHLOROFUOROMETHANE (FR11)	nd	nd	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	nd	nd
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	4.1	199	4.1	234	4.1	234	4.1	234	4.1	234	4.1	234	4.1	234	4.1	234	4.1	234	4.1
BENZENE	nd	nd	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	nd	nd
ETHYLBENZENE	nd	nd	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	nd	nd
m&p-XYLENES	nd	nd	nd	nd	nd	nd	nd	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	nd	nd	nd	nd	nd	nd	nd
SURROGATES	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,4 DIFLUORO BENZENE	8.6	14.0	8.6	13.7	8.6	13.7	8.6	14.4	8.6	14.4	8.6	14.4	8.6	14.4	8.6	14.4	8.6	14.4	8.6
4 BROMOFLUROO BENZENE	17.8	47.6	17.8	46.7	17.8	46.7	17.8	49.0	17.8	49.0	17.8	48.4	17.8	48.4	17.8	48.4	17.8	48.4	17.8

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 (CERT #1667)

ANALYSES PERFORMED BY: MARK BURKE

DATA REVIEWED BY: TAMARA DAVIS



GEOFON PROJECT #04-4304-480 JPL 1  
 JET PROPULSION LABORATORY  
 4800 OAK GROVE DRIVE  
 PASADENA, CA

HP Labs Project #GF021102T2  
 GC SHIMADZU 14A

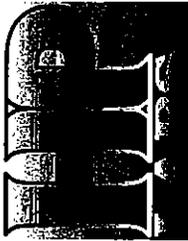
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8021) ANALYSES OF SOIL VAPOR AREA COUNTS

SAMPLE NAME	SVMW38-VPF-		SVMW38-VPF-		SVMW38-VPJ-		SVMW38-VPJ-		SVMW35-VPE-		SVMW35-VPE-		SVMW35-VPI-82	
	79	80	79	80	80	80	81	81	81	81	81	81	81	81
DATE	02/19/02	02/19/02	02/19/02	02/19/02	02/19/02	02/19/02	02/19/02	02/19/02	02/19/02	02/19/02	02/19/02	02/19/02	02/19/02	02/19/02
ANALYSIS TIME	10:42	10:42	10:42	10:42	11:28	11:28	11:51	11:51	11:51	11:51	11:51	11:51	12:13	12:13
SAMPLING DEPTH (feet)	100	100	100	100	170	170	80	80	80	80	80	80	140	140
VOLUME WITHDRAWN (cc)	460	460	460	460	740	740	380	380	380	380	380	380	620	620
VOLUME INJECTED	1	1	1	1	1	1	1	1	1	1	1	1	1	1
DILUTION FACTOR	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	RT	AREA	RT	AREA										
CARBON TETRACHLORIDE	nd	nd	nd	nd										
CHLOROETHANE	nd	nd	nd	nd										
CHLOROFORM	nd	nd	nd	nd										
1,1-DICHLORO ETHANE	nd	nd	nd	nd										
1,2-DICHLORO ETHANE	nd	nd	nd	nd										
1,1-DICHLORO ETHENE	nd	nd	nd	nd										
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd										
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd										
DICHLOROMETHANE	nd	nd	nd	nd										
TETRACHLORO ETHENE	nd	nd	nd	nd										
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd										
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd										
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd										
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd										
TRICHLORO ETHENE	nd	nd	nd	nd										
VINYL CHLORIDE	nd	nd	nd	nd										
TRICHLOROFUOROMETHANE (FR11)	nd	nd	nd	nd										
DICHLORODIFLUOROMETHANE (FR12)	nd	nd	nd	nd										
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	nd	nd	4.1	42.7										
BENZENE	nd	nd	nd	nd										
CHLOROBENZENE	nd	nd	nd	nd										
ETHYLBENZENE	nd	nd	nd	nd										
TOLUENE	nd	nd	nd	nd										
m&p-XYLENES	nd	nd	nd	nd										
o-XYLENE	nd	nd	nd	nd										
SURROGATES														
1,4 DIFLUORO BENZENE	8.6	14.2	8.6	14.0	8.6	14.2	8.6	14.2	8.6	14.2	8.6	14.2	8.6	14.3
4 BROMOFLURO BENZENE	17.8	49.3	17.8	48.3	17.8	48.6	17.8	48.6	17.8	48.6	17.8	48.6	17.8	48.6

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 (CERT #1667)

ANALYSES PERFORMED BY: MARK BURKE  
 DATA REVIEWED BY: TAMARA DAVIS



GEOFON PROJECT #04-4304-480 JPL 1  
 JET PROPULSION LABORATORY  
 4800 OAK GROVE DRIVE  
 PASADENA, CA

HP Labs Project #GF021102T2  
 GC SHIMADZU 14A  
 VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8021) ANALYSES OF SOIL VAPOR  
 AREA COUNTS

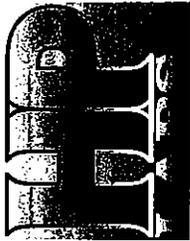
SAMPLE NAME	AMBIENT BLANK		83		83		84 DUP		85		85		86		86	
	02/20/02	02/20/02	RT	AREA	02/20/02	02/20/02	RT	AREA	02/20/02	02/20/02	RT	AREA	02/20/02	02/20/02	RT	AREA
ANALYSIS TIME	6:36	6:36		6:58	6:58	7:20	7:20	7:41	7:41	7:41	7:41	7:41	8:03	8:03		
SAMPLING DEPTH (feet)	--	--		40	40	40	40	60	60	60	60	60	75	75		
VOLUME WITHDRAWN (cc)	--	--		220	220	340	340	300	300	300	300	360	360	360		
VOLUME INJECTED	1	1		1	1	1	1	1	1	1	1	1	1	1		
DILUTION FACTOR	1	1		1	1	1	1	1	1	1	1	1	1	1		
CARBON TETRACHLORIDE	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		
CHLOROFORM	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		
1,2-DICHLORO ETHANE	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		
CIS-1,2-DICHLORO ETHENE	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		
DICHLOROMETHANE	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		
1,1,1,2-TETRACHLORO ETHANE	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd		
1,1,1,2,2-TETRACHLORO ETHANE	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		
1,1,2-TRICHLORO ETHANE	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		
VINYL CHLORIDE	nd	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	nd		
DICHLORODIFLUOROMETHANE (FR12)	nd	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	nd		
BENZENE	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		
ETHYLBENZENE	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		
m&p-XYLENES	nd	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	nd		
SURROGATES																
1,4 DIFLUORO BENZENE	8.6	13.5		8.6	13.5	8.6	13.8	8.6	14.0	8.6	13.8	8.6	13.8			
4 BROMOFLUORO BENZENE	17.9	46.8		17.9	46.6	17.9	47.7	17.9	47.7	17.9	47.7	17.9	47.6			

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 (CERT #1667)

ANALYSES PERFORMED BY: MARK BURKE

DATA REVIEWED BY: TAMARA DAVIS



GEOFON PROJECT #04-4304-480 JPL 1  
 JET PROPULSION LABORATORY  
 4800 OAK GROVE DRIVE  
 PASADENA, CA

HP Labs Project #GF021102T2  
 GC SHIMADZU 14A  
 VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8021) ANALYSES OF SOIL VAPOR  
 AREA COUNTS

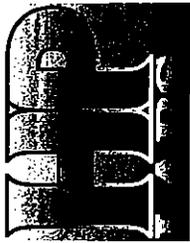
SAMPLE NAME	SVW15-VPE-87		SVW15-VPE-87		SVW6-VPB-88		SVW6-VPB-88		SVW6-VPD-89		SVW6-VPD-89		SVW6-VPD-90		SVW6-VPD-90	
	DATE	ANALYSIS TIME	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA
CARBON TETRACHLORIDE	02/20/02	8:25	nd	nd	02/20/02	8:46	nd	nd	02/20/02	9:08	nd	nd	02/20/02	9:30	nd	nd
CHLOROETHANE	02/20/02	8:25	nd	nd	02/20/02	8:46	nd	nd	02/20/02	9:08	nd	nd	02/20/02	9:30	nd	nd
CHLOROFORM	02/20/02	8:25	nd	nd	02/20/02	8:46	nd	nd	02/20/02	9:08	nd	nd	02/20/02	9:30	nd	nd
1,1-DICHLORO ETHANE	02/20/02	90	nd	nd	02/20/02	40	nd	nd	02/20/02	77	nd	nd	02/20/02	77	nd	nd
1,2-DICHLORO ETHANE	02/20/02	420	nd	nd	02/20/02	220	nd	nd	02/20/02	368	nd	nd	02/20/02	488	nd	nd
1,1-DICHLORO ETHENE	02/20/02	1	nd	nd	02/20/02	1	nd	nd	02/20/02	1	nd	nd	02/20/02	1	nd	nd
CIS-1,2-DICHLORO ETHENE	02/20/02	1	nd	nd	02/20/02	1	nd	nd	02/20/02	1	nd	nd	02/20/02	1	nd	nd
TRANS-1,2-DICHLORO ETHENE	02/20/02	1	nd	nd	02/20/02	1	nd	nd	02/20/02	1	nd	nd	02/20/02	1	nd	nd
DICHLOROMETHANE	02/20/02	1	nd	nd	02/20/02	1	nd	nd	02/20/02	1	nd	nd	02/20/02	1	nd	nd
TETRACHLORO ETHENE	02/20/02	1	nd	nd	02/20/02	1	nd	nd	02/20/02	1	nd	nd	02/20/02	1	nd	nd
1,1,1,2-TETRACHLORO ETHANE	02/20/02	1	nd	nd	02/20/02	1	nd	nd	02/20/02	1	nd	nd	02/20/02	1	nd	nd
1,1,2,2-TETRACHLORO ETHANE	02/20/02	1	nd	nd	02/20/02	1	nd	nd	02/20/02	1	nd	nd	02/20/02	1	nd	nd
1,1,1-TRICHLORO ETHANE	02/20/02	1	nd	nd	02/20/02	1	nd	nd	02/20/02	1	nd	nd	02/20/02	1	nd	nd
1,1,2-TRICHLORO ETHANE	02/20/02	1	nd	nd	02/20/02	1	nd	nd	02/20/02	1	nd	nd	02/20/02	1	nd	nd
TRICHLORO ETHENE	02/20/02	1	nd	nd	02/20/02	1	nd	nd	02/20/02	1	nd	nd	02/20/02	1	nd	nd
VINYL CHLORIDE	02/20/02	1	nd	nd	02/20/02	1	nd	nd	02/20/02	1	nd	nd	02/20/02	1	nd	nd
TRICHLOROFLUOROMETHANE (FR11)	02/20/02	1	nd	nd	02/20/02	1	nd	nd	02/20/02	1	nd	nd	02/20/02	1	nd	nd
DICHLORODIFLUOROMETHANE (FR12)	02/20/02	1	nd	nd	02/20/02	1	nd	nd	02/20/02	1	nd	nd	02/20/02	1	nd	nd
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	02/20/02	1	nd	nd	02/20/02	1	nd	nd	02/20/02	1	nd	nd	02/20/02	1	nd	nd
BENZENE	02/20/02	8.6	nd	nd	02/20/02	8.6	nd	nd	02/20/02	8.6	nd	nd	02/20/02	8.6	nd	nd
CHLOROBENZENE	02/20/02	17.8	nd	nd	02/20/02	17.9	nd	nd	02/20/02	17.9	nd	nd	02/20/02	17.9	nd	nd
ETHYLBENZENE	02/20/02	17.8	nd	nd	02/20/02	17.9	nd	nd	02/20/02	17.9	nd	nd	02/20/02	17.9	nd	nd
TOLUENE	02/20/02	17.8	nd	nd	02/20/02	17.9	nd	nd	02/20/02	17.9	nd	nd	02/20/02	17.9	nd	nd
m&p-XYLENES	02/20/02	17.8	nd	nd	02/20/02	17.9	nd	nd	02/20/02	17.9	nd	nd	02/20/02	17.9	nd	nd
o-XYLENE	02/20/02	17.8	nd	nd	02/20/02	17.9	nd	nd	02/20/02	17.9	nd	nd	02/20/02	17.9	nd	nd
SURROGATES	02/20/02	17.8	nd	nd	02/20/02	17.9	nd	nd	02/20/02	17.9	nd	nd	02/20/02	17.9	nd	nd
1,4 DIFLUORO BENZENE	02/20/02	8.6	13.6	13.6	02/20/02	8.6	13.9	13.9	02/20/02	8.6	13.7	13.7	02/20/02	8.6	13.9	13.9
4-BROMOFLUORO BENZENE	02/20/02	17.8	46.5	46.5	02/20/02	17.9	47.6	47.6	02/20/02	17.9	47.7	47.7	02/20/02	17.9	47.7	47.7

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 (CERT #1667)

ANALYSES PERFORMED BY: MARK BURKE

DATA REVIEWED BY: TAMARA DAVIS



GEOPON PROJECT #04-4304-480 JPL 1  
 JET PROPULSION LABORATORY  
 4800 OAK GROVE DRIVE  
 PASADENA, CA

HP Labs Project #GF021102T2  
 GC SHIMADZU 14A  
 VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8021) ANALYSES OF SOIL VAPOR  
 AREA COUNTS

SAMPLE NAME	SVW6-VPE-91	SVW6-VPE-91	SVW33-VPD-92	SVW33-VPD-92	SVW33-VPE-93	SVW33-VPE-93	SVW33-VPE-93	SVW33-VPF-94	SVW33-VPF-94
DATE	02/20/02	02/20/02	02/20/02	02/20/02	02/20/02	02/20/02	02/20/02	02/20/02	02/20/02
ANALYSIS TIME	10:15	10:15	11:22	11:22	11:45	11:45	11:45	12:08	12:08
SAMPLING DEPTH (feet)	96	96	83	83	105	105	105	120	120
VOLUME WITHDRAWN (cc)	444	444	400	400	480	480	480	540	540
VOLUME INJECTED	1	1	1	1	1	1	1	1	1
DILUTION FACTOR	1	1	1	1	1	1	1	1	1
CARBON TETRACHLORIDE	nd	nd	7.7	192	7.7	7.7	323	7.7	7.7
CHLOROETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,2-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHENE	nd	nd	4.1	1.3	4.1	4.1	1.5	4.1	4.1
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd
TETRACHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd
VINYL CHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLOROFLUOROMETHANE (FR11)	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLORODIFLUOROMETHANE (FR12)	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLOROETHANE (FR113)	nd	nd	nd	nd	4.1	4.1	42.0	nd	nd
BENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd
ETHYLBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd
TOLUENE	nd	nd	nd	nd	nd	nd	nd	nd	nd
m&p-XYLENES	nd	nd	nd	nd	nd	nd	nd	nd	nd
o-XYLENE	nd	nd	nd	nd	nd	nd	nd	nd	nd
SURROGATES									
1,4 DIFLUORO BENZENE	8.7	14.1	8.7	12.9	8.7	8.7	14.1	8.7	14.7
4 BROMODIFLUORO BENZENE	17.9	48.5	17.9	43.6	17.9	17.9	48.5	17.9	50.5

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 (CERT #1667)

ANALYSES PERFORMED BY: MARK BURKE

DATA REVIEWED BY: TAMARA DAVIS