GEOFON PROJECT #04-4428.10 JPL#2
JET PROPULSION LABORATORY
4800 OAK GROVE DRIVE
PASADENA, CA

HP Labs Project #GF090302T2
GC SHIMADZU 14A
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8021) ANALYSES OF SOIL VAPOR
AREA COUNTS

| SAMPLE NAME | SVW36-VPE-57 | SVW36-VPE-57 | SVW33-VPA-58 | SVW33-VPA-58 | SVW33-VPD-59 | SVW33-VPD-59 | SVW33-VPD-60 DUP | SVW33-VPD-60 DUP |
|---|---|---|---|---|---|---|---|---|
| DATE | 09/11/02 | 09/11/02 | 09/11/02 | 09/11/02 | 09/11/02 | 09/11/02 | 09/11/02 | 09/11/02 |
| ANALYSIS TIME | 9:14 | 9:14 | 9:38 | 9:38 | 10:01 | 10:01 | 10:24 | 10:24 |
| SAMPLING DEPTH (feet) | 92 | 92 | 20 | 20 | 85 | 85 | 85 | 85 |
| VOLUME WITHDRAWN (cc) | 428 | 428 | 140 | 140 | 400 | 400 | 520 | 520 |
| VOLUME INJECTED | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| DILUTION FACTOR | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | RT | AREA | RT | AREA | RT | AREA | RT | AREA |
| 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 |
| TRICHLOROFLUOROMETHANE (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 | 8.6 | 14.7 | 8.6 | 14.4 | 8.6 | 13.9 | 8.6 | 14.1 |
| 4 BROMOFLUORO BENZENE | 17.8 | 33.6 | 17.8 | 33.3 | 17.8 | 31.8 | 17.8 | 32.7 |

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: MS. TAMARA DAVIS

GEOFON PROJECT #04-4428.10 JPL#2
JET PROPULSION LABORATORY
4800 OAK GROVE DRIVE
PASADENA, CA

HP Labs Project #GF090302T2
GC SHIMADZU 14A
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8021) ANALYSES OF SOIL VAPOR
AREA COUNTS

| SAMPLE NAME | SVW33-VPE-61 | SVW33-VPE-61 | SVW33-VPF-62 | SVW33-VPF-62 | SVW33-VPG-63 | SVW33-VPG-63 | SVW33-VPJ-64 | SVW33-VPJ-64 |
|---|---|---|---|---|---|---|---|---|
| DATE | 09/11/02 | 09/11/02 | 09/11/02 | 09/11/02 | 09/11/02 | 09/11/02 | 09/11/02 | 09/11/02 |
| ANALYSIS TIME | 10:47 | 10:47 | 11:09 | 11:09 | 12:01 | 12:01 | 12:24 | 12:24 |
| SAMPLING DEPTH (feet) | 105 | 105 | 120 | 120 | 140 | 140 | 200 | 200 |
| VOLUME WITHDRAWN (cc) | 480 | 480 | 540 | 540 | 620 | 620 | 860 | 860 |
| VOLUME INJECTED | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| DILUTION FACTOR | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | RT | AREA | RT | AREA | RT | AREA | RT | AREA |
| CARBON TETRACHLORIDE | 7.7 | 84.2 | 7.7 | 28.5 | 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 |
| TRICHLOROFLUOROMETHANE (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 | 8.6 | 14.0 | 8.6 | 14.1 | 8.6 | 14.0 | 8.6 | 14.1 |
| 4 BROMOFLUORO BENZENE | 17.8 | 32.2 | 17.8 | 32.6 | 17.8 | 32.6 | 17.8 | 32.3 |

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: MS. TAMARA DAVIS

GEOFON PROJECT #04-4428.10 JPL#2
JET PROPULSION LABORATORY
4800 OAK GROVE DRIVE
PASADENA, CA

HP Labs Project #GF090302T2
GC SHIMADZU 14A
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8021) ANALYSES OF SOIL VAPOR
AREA COUNTS

| SAMPLE NAME | SVW26-VPF-65 | SVW26-VPF-65 | SVW26-VPF-66 DUP | SVW26-VPF-66 DUP | SVW26-VPG-67 | SVW26-VPG-67 | SVW26-VPH-68 | SVW26-VPH-68 |
|---|---|---|---|---|---|---|---|---|
| DATE | 09/11/02 | 09/11/02 | 09/11/02 | 09/11/02 | 09/11/02 | 09/11/02 | 09/11/02 | 09/11/02 |
| ANALYSIS TIME | 12:47 | 12:47 | 13:09 | 13:09 | 13:32 | 13:32 | 13:55 | 13:55 |
| SAMPLING DEPTH (feet) | 115 | 115 | 115 | 115 | 140 | 140 | 160 | 160 |
| VOLUME WITHDRAWN (cc) | 520 | 520 | 640 | 640 | 620 | 620 | 700 | 700 |
| VOLUME INJECTED | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| DILUTION FACTOR | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | RT | AREA | RT | AREA | RT | AREA | RT | AREA |
| 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 |
| TRICHLOROFLUOROMETHANE (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 | 8.0 | 2.3 |
| 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 | 8.6 | 14.1 | 8.6 | 14.1 | 8.6 | 14.5 | 8.6 | 13.8 |
| 4 BROMOFLUORO BENZENE | 17.8 | 32.3 | 17.8 | 32.5 | 17.8 | 34.5 | 17.8 | 32.2 |

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: MS. TAMARA DAVIS

GEOFON PROJECT # 04-4428.10 JPL#2
JET PROPULSION LABORATORY
4800 OAK GROVE DRIVE
PASADENA, CA

HP Labs Project #GF090302T2
GC SHIMADZU 14A
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8021) ANALYSES OF SOIL VAPOR
SOIL VAPOR DATA IN UG/L-VAPOR

| | AMBIENT BLANK | SVW35-VPE-69 | SVW35-VPI-70 | SVW28-VPA-71 | SVW28-VPA-72 DUP | SVW28-VPD-73 | SVW28-VPE-74 | SVW25-VPA-75 | SVW25-VPB-76 | SVW25-VPI-77 | SVW25-VPI-78 DUP | SVW25-VPJ-79 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DATE | 09/12/02 | 09/12/02 | 09/12/02 | 09/12/02 | 09/12/02 | 09/12/02 | 09/12/02 | 09/12/02 | 09/12/02 | 09/12/02 | 09/12/02 | 09/12/02 |
| ANALYSIS TIME | 07:39 | 08:01 | 08:23 | 08:45 | 09:07 | 09:29 | 09:52 | 10:14 | 10:37 | 11:00 | 11:22 | 12:15 |
| SAMPLING DEPTH (feet) | -- | 80 | 140 | 20 | 20 | 80 | 105 | 20 | 40 | 180 | 180 | 190 |
| VOLUME WITHDRAWN (cc) | -- | 380 | 620 | 140 | 260 | 380 | 480 | 140 | 220 | 780 | 900 | 820 |
| 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 |
| 1,1,2,2-TETRACHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,1-TRICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,2-TRICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| TRICHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| VINYL CHLORIDE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| TRICHLOROFLUOROMETHANE (FR11) | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| DICHLORODIFLUOROMETHANE (FR12) | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,2-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 | 90% | 94% | 92% | 92% | 92% | 95% | 95% | 94% | 94% | 93% | 92% | 90% |
| 4 BROMOFLUORO BENZENE | 98% | 101% | 99% | 99% | 99% | 101% | 102% | 101% | 100% | 101% | 100% | 98% |

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: MS. TAMARA DAVIS

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JET PROPULSION LABORATORY
4800 OAK GROVE DRIVE
PASADENA, CA

HP Labs Project #GF090302T2
GC SHIMADZU 14A
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8021) ANALYSES OF SOIL VAPOR
AREA COUNTS

| SAMPLE NAME | AMBIENT BLANK | AMBIENT BLANK | SVW35-VPE-69 | SVW35-VPE-69 | SVW35-VPI-70 | SVW35-VPI-70 | SVW28-VPA-71 | SVW28-VPA-71 |
|---|---|---|---|---|---|---|---|---|
| DATE | 09/12/02 | 09/12/02 | 09/12/02 | 09/12/02 | 09/12/02 | 09/12/02 | 09/12/02 | 09/12/02 |
| ANALYSIS TIME | 7:39 | 7:39 | 8:01 | 8:01 | 8:23 | 8:23 | 8:45 | 8:45 |
| SAMPLING DEPTH (feet) | -- | -- | 80 | 80 | 140 | 140 | 20 | 20 |
| VOLUME WITHDRAWN (cc) | -- | -- | 380 | 380 | 620 | 620 | 140 | 140 |
| VOLUME INJECTED | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| DILUTION FACTOR | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | RT | AREA | RT | AREA | RT | AREA | RT | AREA |
| 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 |
| TRICHLOROFLUOROMETHANE (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 | 8.6 | 14.1 | 8.6 | 14.7 | 8.6 | 14.4 | 8.6 | 14.3 |
| 4 BROMOFLUORO BENZENE | 17.8 | 32.6 | 17.8 | 33.6 | 17.8 | 33.1 | 17.8 | 33.2 |

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: MS. TAMARA DAVIS

GEOFON PROJECT #04-4428.10 JPL#2
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GC SHIMADZU 14A
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8021) ANALYSES OF SOIL VAPOR
AREA COUNTS

| SAMPLE NAME | SVW28-VPA-72 DUP | SVW28-VPA-72 DUP | SVW28-VPD-73 | SVW28-VPD-73 | SVW28-VPE-74 | SVW28-VPE-74 | SVW25-VPA-75 | SVW25-VPA-75 |
|---|---|---|---|---|---|---|---|---|
| DATE | 09/12/02 | 09/12/02 | 09/12/02 | 09/12/02 | 09/12/02 | 09/12/02 | 09/12/02 | 09/12/02 |
| ANALYSIS TIME | 9:07 | 9:07 | 9:29 | 9:29 | 9:52 | 9:52 | 10:14 | 10:14 |
| SAMPLING DEPTH (feet) | 20 | 20 | 80 | 80 | 105 | 105 | 20 | 20 |
| VOLUME WITHDRAWN (cc) | 260 | 260 | 380 | 380 | 480 | 480 | 140 | 140 |
| VOLUME INJECTED | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| DILUTION FACTOR | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | RT | AREA | RT | AREA | RT | AREA | RT | AREA |
| 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 |
| TRICHLOROFLUOROMETHANE (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 | 8.6 | 14.3 | 8.6 | 14.8 | 8.6 | 14.8 | 8.6 | 14.6 |
| 4 BROMOFLUORO BENZENE | 17.8 | 32.9 | 17.8 | 33.7 | 17.8 | 34.0 | 17.8 | 33.9 |

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: MS. TAMARA DAVIS

GEOFON PROJECT #04-4428.10 JPL#2
JET PROPULSION LABORATORY
4800 OAK GROVE DRIVE
PASADENA, CA

HP Labs Project #GF090302T2
GC SHIMADZU 14A
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8021) ANALYSES OF SOIL VAPOR
AREA COUNTS

| SAMPLE NAME | SVW25-VPB-76 | SVW25-VPB-76 | SVW25-VPI-77 | SVW25-VPI-77 | SVW25-VPI-78 DUP | SVW25-VPI-78 DUP | SVW25-VPJ-79 | SVW25-VPJ-79 |
|---|---|---|---|---|---|---|---|---|
| DATE | 09/12/02 | 09/12/02 | 09/12/02 | 09/12/02 | 09/12/02 | 09/12/02 | 09/12/02 | 09/12/02 |
| ANALYSIS TIME | 10:37 | 10:37 | 11:00 | 11:00 | 11:22 | 11:22 | 12:15 | 12:15 |
| SAMPLING DEPTH (feet) | 40 | 40 | 180 | 180 | 180 | 180 | 190 | 190 |
| VOLUME WITHDRAWN (cc) | 220 | 220 | 780 | 780 | 900 | 900 | 820 | 820 |
| VOLUME INJECTED | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| DILUTION FACTOR | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | RT | AREA | RT | AREA | RT | AREA | RT | AREA |
| 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 |
| TRICHLOROFLUOROMETHANE (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 | 8.6 | 14.6 | 8.6 | 14.5 | 8.6 | 14.4 | 8.6 | 14.0 |
| 4 BROMOFLUORO BENZENE | 17.8 | 33.5 | 17.8 | 33.8 | 17.8 | 33.4 | 17.8 | 32.6 |

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: MS. TAMARA DAVIS

GEOFON PROJECT # 04-4428.10 JPL#2
JET PROPULSION LABORATORY
4800 OAK GROVE DRIVE
PASADENA, CA

HP Labs Project #GF090302T2
GC SHIMADZU 14A
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8021) ANALYSES OF SOIL VAPOR
SOIL VAPOR DATA IN UG/L-VAPOR

| | AMBIENT BLANK | SVW38-VPE-80 | SVW38-VPF-81 | SVW38-VPJ-82 | SVW37-VPB-83 | SVW37-VPB-84 DUP | SVW37-VPE-85 | SVW37-VPH-86 | SVW37-VPI-87 | SVW37-VPJ-88 |
|---|---|---|---|---|---|---|---|---|---|---|
| DATE | 09/13/02 | 09/13/02 | 09/13/02 | 09/13/02 | 09/13/02 | 09/13/02 | 09/13/02 | 09/13/02 | 09/13/02 | 09/13/02 |
| ANALYSIS TIME | 07:24 | 07:47 | 08:09 | 08:31 | 08:54 | 09:16 | 09:38 | 10:01 | 10:23 | 10:45 |
| SAMPLING DEPTH (feet) | -- | 95 | 110 | 170 | 40 | 20 | 100 | 155 | 170 | 185 |
| VOLUME WITHDRAWN (cc) | -- | 440 | 500 | 740 | 220 | 340 | 460 | 680 | 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 | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| CHLOROETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| CHLOROFORM | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1-DICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,2-DICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1-DICHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| CIS-1,2-DICHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| TRANS-1,2-DICHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| DICHLOROMETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| TETRACHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,1,2-TETRACHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,2,2-TETRACHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,1-TRICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,2-TRICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| TRICHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| VINYL CHLORIDE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| TRICHLOROFLUOROMETHANE (FR11) | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| DICHLORODIFLUOROMETHANE (FR12) | 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 |
| 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 | | | | | | | | | | |
| 1,4 DIFLUORO BENZENE | 93% | 93% | 88% | 90% | 91% | 92% | 89% | 90% | 88% | 88% |
| 4 BROMOFLUORO BENZENE | 98% | 98% | 96% | 97% | 100% | 100% | 98% | 97% | 95% | 96% |

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: MS. TAMARA DAVIS

GEOFON PROJECT #04-4428.10 JPL#2
JET PROPULSION LABORATORY
4800 OAK GROVE DRIVE
PASADENA, CA

HP Labs Project #GF090302T2
GC SHIMADZU 14A
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8021) ANALYSES OF SOIL VAPOR
AREA COUNTS

| SAMPLE NAME | AMBIENT BLANK | AMBIENT BLANK | SVW38-VPE-80 | SVW38-VPE-80 | SVW38-VPF-81 | SVW38-VPF-81 | SVW38-VPJ-82 | SVW38-VPJ-82 | SVW37-VPB-83 | SVW37-VPB-83 |
|---|---|---|---|---|---|---|---|---|---|---|
| DATE | 09/13/02 | 09/13/02 | 09/13/02 | 09/13/02 | 09/13/02 | 09/13/02 | 09/13/02 | 09/13/02 | 09/13/02 | 09/13/02 |
| ANALYSIS TIME | 7:24 | 7:24 | 7:47 | 7:47 | 8:09 | 8:09 | 8:31 | 8:31 | 8:54 | 8:54 |
| SAMPLING DEPTH (feet) | -- | -- | 95 | 95 | 110 | 110 | 170 | 170 | 40 | 40 |
| VOLUME WITHDRAWN (cc) | -- | -- | 440 | 440 | 500 | 500 | 740 | 740 | 220 | 220 |
| 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 |
| CARBON TETRACHLORIDE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| CHLOROETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| CHLOROFORM | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1-DICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,2-DICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1-DICHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| CIS-1,2-DICHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| TRANS-1,2-DICHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| DICHLOROMETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| TETRACHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,1,2-TETRACHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,2,2-TETRACHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,1-TRICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,2-TRICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| TRICHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| VINYL CHLORIDE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| TRICHLOROFLUOROMETHANE (FR11) | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| DICHLORODIFLUOROMETHANE (FR12) | 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 |
| 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 | | | | | | | | | | |
| 1,4 DIFLUORO BENZENE | 8.6 | 14.5 | 8.6 | 14.5 | 8.6 | 13.8 | 8.6 | 14.0 | 8.6 | 14.2 |
| 4 BROMOFLUORO BENZENE | 17.7 | 32.7 | 17.7 | 32.6 | 17.7 | 32.1 | 17.8 | 32.4 | 17.7 | 33.3 |

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: MS. TAMARA DAVIS

GEOFON PROJECT #04-4428.10 JPL#2
JET PROPULSION LABORATORY
4800 OAK GROVE DRIVE
PASADENA, CA

HP Labs Project #GF090302T2
GC SHIMADZU 14A
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8021) ANALYSES OF SOIL VAPOR
AREA COUNTS

| SAMPLE NAME | SVW37-VPB-84 DUP | SVW37-VPB-84 DUP | SVW37-VPE-85 | SVW37-VPE-85 | SVW37-VPH-86 | SVW37-VPH-86 | SVW37-VPI-87 | SVW37-VPI-87 | SVW37-VPJ-88 | SVW37-VPJ-88 |
|---|---|---|---|---|---|---|---|---|---|---|
| DATE | 09/13/02 | 09/13/02 | 09/13/02 | 09/13/02 | 09/13/02 | 09/13/02 | 09/13/02 | 09/13/02 | 09/13/02 | 09/13/02 |
| ANALYSIS TIME | 9:16 | 9:16 | 9:38 | 9:38 | 10:01 | 10:01 | 10:23 | 10:23 | 10:45 | 10:45 |
| SAMPLING DEPTH (feet) | 20 | 20 | 100 | 100 | 155 | 155 | 170 | 170 | 185 | 185 |
| VOLUME WITHDRAWN (cc) | 340 | 340 | 460 | 460 | 680 | 680 | 740 | 740 | 800 | 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 |
| | 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 |
| 1,1,2,2-TETRACHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,1-TRICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,2-TRICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| TRICHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| VINYL CHLORIDE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| TRICHLOROFLUOROMETHANE (FR11) | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| DICHLORODIFLUOROMETHANE (FR12) | 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 |
| 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 | | | | | | | | | | |
| 1,4 DIFLUORO BENZENE | 8.6 | 14.3 | 8.6 | 13.9 | 8.6 | 14.0 | 8.6 | 13.7 | 8.6 | 13.7 |
| 4 BROMOFLUORO BENZENE | 17.8 | 33.5 | 17.8 | 32.7 | 17.7 | 32.4 | 17.7 | 31.6 | 17.7 | 32.1 |

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: MS. TAMARA DAVIS

GEOFON PROJECT # 04-4428.10 JPL#2
JET PROPULSION LABORATORY
4800 OAK GROVE DRIVE
PASADENA, CA

HP Labs Project #GF090302T2
GC SHIMADZU 14A
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8021) ANALYSES OF SOIL VAPOR
SOIL VAPOR DATA IN UG/L-VAPOR

| | AMBIENT BLANK | SVW34-VPE-89 | SVW34-VPE-90 DUP | SVW34-VPF-91 | SVW39-VPA-92 | SVW39-VPC-93 | SVW39-VPD-94 | SVW39-VPE-95 | SVW39-VPE-96 DUP | SVW39-VPF-97 | SVW39-VPI-98 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DATE | 09/16/02 | 09/16/02 | 09/16/02 | 09/16/02 | 09/16/02 | 09/16/02 | 09/16/02 | 09/16/02 | 09/16/02 | 09/16/02 | 09/16/02 |
| ANALYSIS TIME | 07:20 | 07:42 | 08:05 | 08:27 | 08:49 | 09:11 | 09:33 | 09:55 | 10:18 | 10:40 | 11:02 |
| SAMPLING DEPTH (feet) | -- | 80 | 80 | 95 | 20 | 50 | 70 | 85 | 85 | 100 | 130 |
| VOLUME WITHDRAWN (cc) | -- | 380 | 500 | 440 | 140 | 260 | 340 | 400 | 520 | 460 | 580 |
| VOLUME INJECTED | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| DILUTION FACTOR | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| CARBON TETRACHLORIDE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| CHLOROETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| CHLOROFORM | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1-DICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,2-DICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1-DICHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| CIS-1,2-DICHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| TRANS-1,2-DICHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| DICHLOROMETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| TETRACHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,1,2-TETRACHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,2,2-TETRACHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,1-TRICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,2-TRICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| TRICHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | 1.7 | 5.0 |
| VINYL CHLORIDE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| TRICHLOROFLUOROMETHANE (FR11) | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| DICHLORODIFLUOROMETHANE (FR12) | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,2-TRICHLOROTRIFLUOROETHANE (FR113) | nd | nd | nd | nd | nd | nd | nd | 2.2 | 2.4 | 3.6 | 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 | 89% | 88% | 88% | 90% | 90% | 91% | 90% | 88% | 88% | 88% | 87% |
| 4 BROMOFLUORO BENZENE | 94% | 94% | 97% | 97% | 97% | 98% | 97% | 97% | 96% | 96% | 94% |

ND INDICATES NOT DETECTED AT A DETECTION LIMIT OF 1.0 UG/L-VAPOR FOR EACH COMPOUND

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

GEOFON PROJECT #04-4428.10 JPL#2
JET PROPULSION LABORATORY
4800 OAK GROVE DRIVE
PASADENA, CA

HP Labs Project #GF090302T2
GC SHIMADZU 14A
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8021) ANALYSES OF SOIL VAPOR
AREA COUNTS

| SAMPLE NAME | AMBIENT BLANK | AMBIENT BLANK | SVW34-VPE-89 | SVW34-VPE-89 | SVW34-VPE-90 DUP | SVW34-VPE-90 DUP | SVW34-VPF-91 | SVW34-VPF-91 |
|---|---|---|---|---|---|---|---|---|
| DATE | 09/16/02 | 09/16/02 | 09/16/02 | 09/16/02 | 09/16/02 | 09/16/02 | 09/16/02 | 09/16/02 |
| ANALYSIS TIME | 7:20 | 7:20 | 7:42 | 7:42 | 8:05 | 8:05 | 8:27 | 8:27 |
| SAMPLING DEPTH (feet) | -- | -- | 80 | 80 | 80 | 80 | 95 | 95 |
| VOLUME WITHDRAWN (cc) | -- | -- | 380 | 380 | 500 | 500 | 440 | 440 |
| VOLUME INJECTED | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| DILUTION FACTOR | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | RT | AREA | RT | AREA | RT | AREA | RT | AREA |
| 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 |
| TRICHLOROFLUOROMETHANE (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 | 8.6 | 13.9 | 8.6 | 13.8 | 8.6 | 13.7 | 8.6 | 14.1 |
| 4 BROMOFLUORO BENZENE | 17.8 | 31.3 | 17.8 | 31.5 | 17.8 | 32.3 | 17.8 | 32.5 |

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: MS. TAMARA DAVIS

GEOFON PROJECT #04-4428.10 JPL#2
JET PROPULSION LABORATORY
4800 OAK GROVE DRIVE
PASADENA, CA

HP Labs Project #GF090302T2
GC SHIMADZU 14A
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8021) ANALYSES OF SOIL VAPOR
AREA COUNTS

| SAMPLE NAME | SVW39-VPA-92 | SVW39-VPA-92 | SVW39-VPC-93 | SVW39-VPC-93 | SVW39-VPD-94 | SVW39-VPD-94 | SVW39-VPE-95 | SVW39-VPE-95 |
|---|---|---|---|---|---|---|---|---|
| DATE | 09/16/02 | 09/16/02 | 09/16/02 | 09/16/02 | 09/16/02 | 09/16/02 | 09/16/02 | 09/16/02 |
| ANALYSIS TIME | 8:49 | 8:49 | 9:11 | 9:11 | 9:33 | 9:33 | 9:55 | 9:55 |
| SAMPLING DEPTH (feet) | 20 | 20 | 50 | 50 | 70 | 70 | 85 | 85 |
| VOLUME WITHDRAWN (cc) | 140 | 140 | 260 | 260 | 340 | 340 | 400 | 400 |
| VOLUME INJECTED | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| DILUTION FACTOR | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | RT | AREA | RT | AREA | RT | AREA | RT | AREA |
| 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 |
| TRICHLOROFLUOROMETHANE (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 | 4.2 | 24.0 |
| 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 | 8.6 | 14.0 | 8.6 | 14.2 | 8.6 | 14.0 | 8.6 | 13.8 |
| 4 BROMOFLUORO BENZENE | 17.8 | 32.4 | 17.8 | 32.7 | 17.8 | 32.4 | 17.8 | 32.3 |

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: MS. TAMARA DAVIS

GEOFON PROJECT #04-4428.10 JPL#2
JET PROPULSION LABORATORY
4800 OAK GROVE DRIVE
PASADENA, CA

HP Labs Project #GF090302T2
GC SHIMADZU 14A
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8021) ANALYSES OF SOIL VAPOR
AREA COUNTS

| SAMPLE NAME | SVW39-VPE-96 DUP | SVW39-VPE-96 DUP | SVW39-VPF-97 | SVW39-VPF-97 | SVW39-VPI-98 | SVW39-VPI-98 |
|---|---|---|---|---|---|---|
| DATE | 09/16/02 | 09/16/02 | 09/16/02 | 09/16/02 | 09/16/02 | 09/16/02 |
| ANALYSIS TIME | 10:18 | 10:18 | 10:40 | 10:40 | 11:02 | 11:02 |
| SAMPLING DEPTH (feet) | 85 | 85 | 100 | 100 | 130 | 130 |
| VOLUME WITHDRAWN (cc) | 520 | 520 | 460 | 460 | 580 | 580 |
| VOLUME INJECTED | 1 | 1 | 1 | 1 | 1 | 1 |
| DILUTION FACTOR | 1 | 1 | 1 | 1 | 1 | 1 |
| | RT | AREA | RT | AREA | RT | AREA |
| CARBON TETRACHLORIDE | nd | nd | nd | nd | nd | nd |
| 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 | nd | nd | nd |
| 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 | 9.1 | 2.0 | 9.1 | 5.9 |
| VINYL CHLORIDE | nd | nd | nd | nd | nd | nd |
| TRICHLOROFLUOROMETHANE (FR11) | nd | nd | nd | nd | nd | nd |
| DICHLORODIFLUOROMETHANE (FR12) | nd | nd | nd | nd | nd | nd |
| 1,1,2-TRICHLOROTRIFLUOROETHANE (FR113) | 4.2 | 25.3 | 4.2 | 38.4 | nd | 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 | 8.6 | 13.8 | 8.6 | 13.8 | 8.6 | 13.5 |
| 4 BROMOFLUORO BENZENE | 17.8 | 31.9 | 17.8 | 32.1 | 17.8 | 31.3 |

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: MS. TAMARA DAVIS

GEOFON PROJECT # 04-4428.10 JPL#2
JET PROPULSION LABORATORY
4800 OAK GROVE DRIVE
PASADENA, CA

HP Labs Project #GF090302T2
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-99 | SVW27-VPB-100 | SVW27-VPC-101 | SVW27-VPC-102 DUP | SVW27-VPD-103 | SVW27-VPE-104 | SVW27-VPF-105 | SVW27-VPG-106 | SVW27-VPI-107 | SVW27-VPI-108 DUP | SVW27-VPJ-109 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DATE | 09/17/02 | 09/17/02 | 09/17/02 | 09/17/02 | 09/17/02 | 09/17/02 | 09/17/02 | 09/17/02 | 09/17/02 | 09/17/02 | 09/17/02 | 09/17/02 |
| ANALYSIS TIME | 07:33 | 07:55 | 08:17 | 08:40 | 09:02 | 09:24 | 09:46 | 10:12 | 10:34 | 10:59 | 11:21 | 12:15 |
| SAMPLING DEPTH (feet) | -- | 20 | 35 | 60 | 60 | 85 | 100 | 120 | 140 | 180 | 180 | 205 |
| VOLUME WITHDRAWN (cc) | -- | 140 | 200 | 300 | 420 | 400 | 460 | 540 | 620 | 780 | 900 | 880 |
| 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 |
| 1,1,2,2-TETRACHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,1-TRICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,2-TRICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| TRICHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| VINYL CHLORIDE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| TRICHLOROFLUOROMETHANE (FR11) | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| DICHLORODIFLUOROMETHANE (FR12) | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,2-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 | 86% | 90% | 89% | 91% | 92% | 90% | 90% | 90% | 88% | 88% | 87% | 84% |
| 4 BROMOFLUORO BENZENE | 93% | 97% | 98% | 98% | 100% | 98% | 99% | 99% | 97% | 98% | 98% | 93% |

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: MS. TAMARA DAVIS

GEOFON PROJECT #04-4428.10 JPL#2
JET PROPULSION LABORATORY
4800 OAK GROVE DRIVE
PASADENA, CA

HP Labs Project #GF090302T2
GC SHIMADZU 14A
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8021) ANALYSES OF SOIL VAPOR
AREA COUNTS

| SAMPLE NAME | AMBIENT BLANK | AMBIENT BLANK | SVW27-VPA-99 | SVW27-VPA-99 | SVW27-VPB-100 | SVW27-VPB-100 | SVW27-VPC-101 | SVW27-VPC-101 |
|---|---|---|---|---|---|---|---|---|
| DATE | 09/17/02 | 09/17/02 | 09/17/02 | 09/17/02 | 09/17/02 | 09/17/02 | 09/17/02 | 09/17/02 |
| ANALYSIS TIME | 7:33 | 7:33 | 7:55 | 7:55 | 8:17 | 8:17 | 8:40 | 8:40 |
| SAMPLING DEPTH (feet) | -- | -- | 20 | 20 | 35 | 35 | 60 | 60 |
| VOLUME WITHDRAWN (cc) | -- | -- | 140 | 140 | 200 | 200 | 300 | 300 |
| VOLUME INJECTED | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| DILUTION FACTOR | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | RT | AREA | RT | AREA | RT | AREA | RT | AREA |
| 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 |
| TRICHLOROFLUOROMETHANE (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 | 8.6 | 13.4 | 8.6 | 14.0 | 8.6 | 13.9 | 8.6 | 14.2 |
| 4 BROMOFLUORO BENZENE | 17.7 | 31.2 | 17.8 | 32.5 | 17.8 | 32.6 | 17.7 | 32.6 |

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: MS. TAMARA DAVIS

GEOFON PROJECT #04-4428.10 JPL#2
JET PROPULSION LABORATORY
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HP Labs Project #GF090302T2
GC SHIMADZU 14A
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8021) ANALYSES OF SOIL VAPOR
AREA COUNTS

| SAMPLE NAME | SVW27-VPC-102 DUP | SVW27-VPC-102 DUP | SVW27-VPD-103 | SVW27-VPD-103 | SVW27-VPE-104 | SVW27-VPE-104 | SVW27-VPF-105 | SVW27-VPF-105 |
|---|---|---|---|---|---|---|---|---|
| DATE | 09/17/02 | 09/17/02 | 09/17/02 | 09/17/02 | 09/17/02 | 09/17/02 | 09/17/02 | 09/17/02 |
| ANALYSIS TIME | 9:02 | 9:02 | 9:24 | 9:24 | 9:46 | 9:46 | 10:12 | 10:12 |
| SAMPLING DEPTH (feet) | 60 | 60 | 85 | 85 | 100 | 100 | 120 | 120 |
| VOLUME WITHDRAWN (cc) | 420 | 420 | 400 | 400 | 460 | 460 | 540 | 540 |
| VOLUME INJECTED | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| DILUTION FACTOR | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | RT | AREA | RT | AREA | RT | AREA | RT | AREA |
| 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 |
| TRICHLOROFLUOROMETHANE (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 | 8.6 | 14.4 | 8.6 | 14.1 | 8.6 | 14.0 | 8.6 | 14.1 |
| 4 BROMOFLUORO BENZENE | 17.7 | 33.3 | 17.8 | 32.7 | 17.8 | 33.2 | 17.8 | 33.2 |

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: MS. TAMARA DAVIS

GEOFON PROJECT #04-4428.10 JPL#2
JET PROPULSION LABORATORY
4800 OAK GROVE DRIVE
PASADENA, CA

HP Labs Project #GF090302T2
GC SHIMADZU 14A
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8021) ANALYSES OF SOIL VAPOR
AREA COUNTS

| SAMPLE NAME | SVW27-VPG-106 | SVW27-VPG-106 | SVW27-VPI-107 | SVW27-VPI-107 | SVW27-VPI-108 DUP | SVW27-VPI-108 DUP | SVW27-VPJ-109 | SVW27-VPJ-109 |
|---|---|---|---|---|---|---|---|---|
| DATE | 09/17/02 | 09/17/02 | 09/17/02 | 09/17/02 | 09/17/02 | 09/17/02 | 09/17/02 | 09/17/02 |
| ANALYSIS TIME | 10:34 | 10:34 | 10:59 | 10:59 | 11:21 | 11:21 | 12:15 | 12:15 |
| SAMPLING DEPTH (feet) | 140 | 140 | 180 | 180 | 180 | 180 | 205 | 205 |
| VOLUME WITHDRAWN (cc) | 620 | 620 | 780 | 780 | 900 | 900 | 880 | 880 |
| VOLUME INJECTED | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| DILUTION FACTOR | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | RT | AREA | RT | AREA | RT | AREA | RT | AREA |
| 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 |
| TRICHLOROFLUOROMETHANE (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 | 8.6 | 13.8 | 8.6 | 13.7 | 8.6 | 13.6 | 8.6 | 13.1 |
| 4 BROMOFLUORO BENZENE | 17.8 | 32.5 | 17.8 | 32.8 | 17.8 | 32.6 | 17.8 | 31.2 |

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: MS. TAMARA DAVIS

GEOFON PROJECT # 04-4428.10 JPL#2
JET PROPULSION LABORATORY
4800 OAK GROVE DRIVE
PASADENA, CA

HP Labs Project #GF090302T2
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-110 | SVW15-VPC-111 | SVW15-VPD-112 | SVW15-VPE-113 | SVE15-VPE-114 DUP | SVW6-VPB-115 | SVW6-VPD-116 | SVW6-VPE-117 |
|---|---|---|---|---|---|---|---|---|---|
| DATE | 09/18/02 | 09/18/02 | 09/18/02 | 09/18/02 | 09/18/02 | 09/18/02 | 09/18/02 | 09/18/02 | 09/18/02 |
| ANALYSIS TIME | 07:06 | 07:28 | 07:49 | 08:11 | 08:33 | 08:56 | 09:18 | 09:39 | 10:01 |
| SAMPLING DEPTH (feet) | -- | 40 | 60 | 75 | 95 | 95 | 40 | 77 | 96 |
| VOLUME WITHDRAWN (cc) | -- | 220 | 300 | 360 | 440 | 560 | 220 | 368 | 444 |
| 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 | 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 | | | | | | | | | |
| 1,4 DIFLUORO BENZENE | 87% | 88% | 89% | 87% | 87% | 88% | 87% | 87% | 89% |
| 4 BROMOFLUORO BENZENE | 95% | 98% | 99% | 95% | 94% | 97% | 96% | 98% | 99% |

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: MS. TAMARA DAVIS

GEOFON PROJECT #04-4428.10 JPL#2
JET PROPULSION LABORATORY
4800 OAK GROVE DRIVE
PASADENA, CA

HP Labs Project #GF090302T2
GC SHIMADZU 14A
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8021) ANALYSES OF SOIL VAPOR
AREA COUNTS

| SAMPLE NAME | AMBIENT BLANK | AMBIENT BLANK | SVW15-VPB-110 | SVW15-VPB-110 | SVW15-VPC-111 | SVW15-VPC-111 | SVW15-VPD-112 | SVW15-VPD-112 | SVW15-VPE-113 | SVW15-VPE-113 |
|---|---|---|---|---|---|---|---|---|---|---|
| DATE | 09/18/02 | 09/18/02 | 09/18/02 | 09/18/02 | 09/18/02 | 09/18/02 | 09/18/02 | 09/18/02 | 09/18/02 | 09/18/02 |
| ANALYSIS TIME | 7:06 | 7:06 | 7:28 | 7:28 | 7:49 | 7:49 | 8:11 | 8:11 | 8:33 | 8:33 |
| SAMPLING DEPTH (feet) | -- | -- | 40 | 40 | 60 | 60 | 75 | 75 | 95 | 95 |
| VOLUME WITHDRAWN (cc) | -- | -- | 220 | 220 | 300 | 300 | 360 | 360 | 440 | 440 |
| 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 |
| CARBON TETRACHLORIDE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| CHLOROETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| CHLOROFORM | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1-DICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,2-DICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1-DICHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| CIS-1,2-DICHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| TRANS-1,2-DICHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| DICHLOROMETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| TETRACHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,1,2-TETRACHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,2,2-TETRACHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,1-TRICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,2-TRICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| TRICHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| VINYL CHLORIDE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| TRICHLOROFLUOROMETHANE (FR11) | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| DICHLORODIFLUOROMETHANE (FR12) | 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 |
| 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 | | | | | | | | | | |
| 1,4 DIFLUORO BENZENE | 8.6 | 13.6 | 8.6 | 13.7 | 8.6 | 13.9 | 8.6 | 13.6 | 8.6 | 13.5 |
| 4 BROMOFLUORO BENZENE | 17.7 | 31.8 | 17.8 | 32.7 | 17.8 | 33.2 | 17.8 | 31.7 | 17.8 | 31.5 |

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: MS. TAMARA DAVIS

GEOFON PROJECT #04-4428.10 JPL#2
JET PROPULSION LABORATORY
4800 OAK GROVE DRIVE
PASADENA, CA

HP Labs Project #GF090302T2
GC SHIMADZU 14A
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8021) ANALYSES OF SOIL VAPOR
AREA COUNTS

| SAMPLE NAME | SVE15-VPE-114 DUP | SVE15-VPE-114 DUP | SVW6-VPB-115 | SVW6-VPB-115 | SVW6-VPD-116 | SVW6-VPD-116 | SVW6-VPE-117 | SVW6-VPE-117 |
|---|---|---|---|---|---|---|---|---|
| DATE | 09/18/02 | 09/18/02 | 09/18/02 | 09/18/02 | 09/18/02 | 09/18/02 | 09/18/02 | 09/18/02 |
| ANALYSIS TIME | 8:56 | 8:56 | 9:18 | 9:18 | 9:39 | 9:39 | 10:01 | 10:01 |
| SAMPLING DEPTH (feet) | 95 | 95 | 40 | 40 | 77 | 77 | 96 | 96 |
| VOLUME WITHDRAWN (cc) | 560 | 560 | 220 | 220 | 368 | 368 | 444 | 444 |
| VOLUME INJECTED | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| DILUTION FACTOR | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | RT | AREA | RT | AREA | RT | AREA | RT | AREA |
| 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 |
| TRICHLOROFLUOROMETHANE (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 | 8.6 | 13.8 | 8.6 | 13.6 | 8.6 | 13.6 | 8.6 | 13.9 |
| 4 BROMOFLUORO BENZENE | 17.8 | 32.4 | 17.8 | 32.0 | 17.8 | 32.7 | 17.8 | 33.2 |

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: MS. TAMARA DAVIS