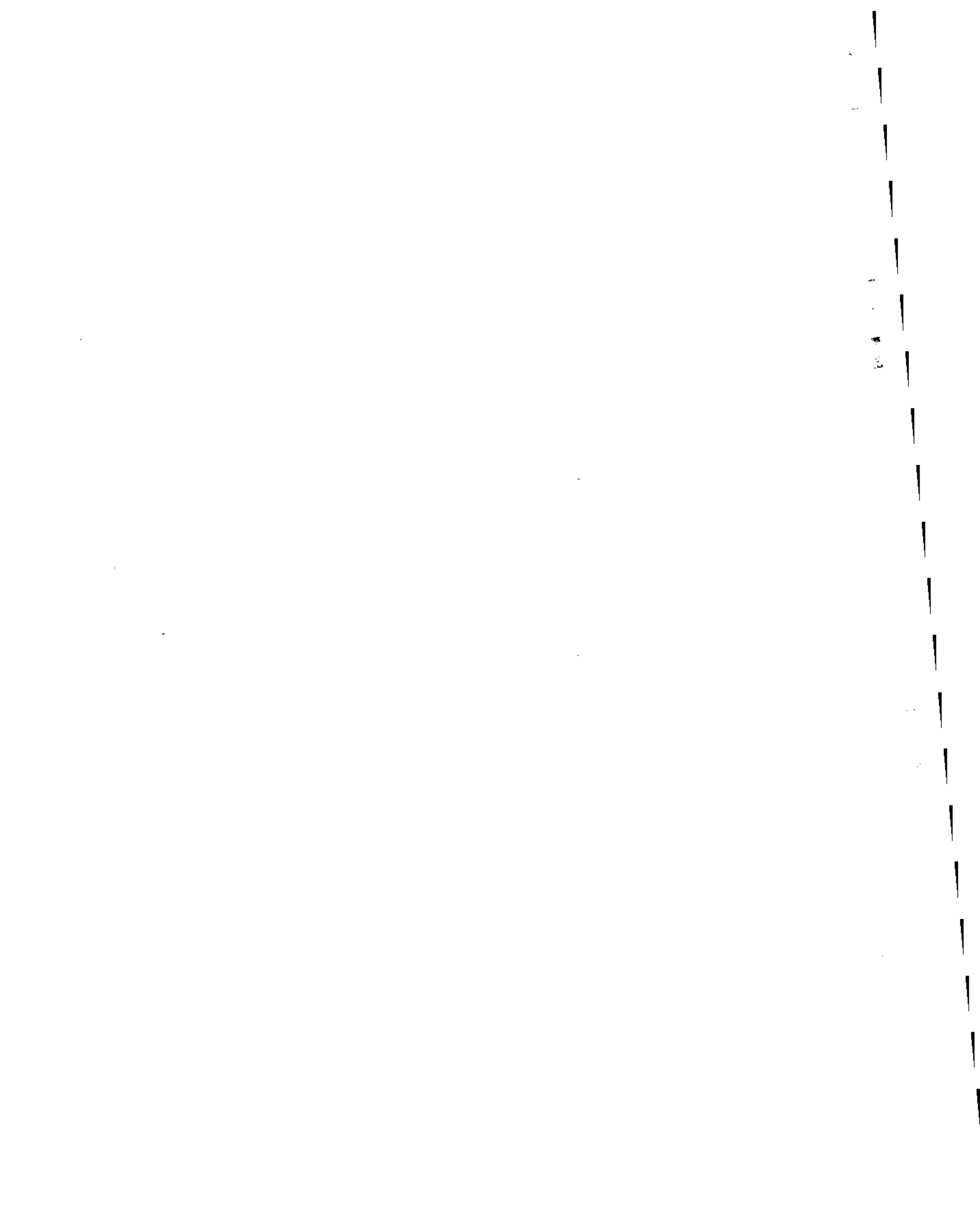


# **SAMPLE RESULTS FORMS AND QC SUMMARIES**



**EPA METHOD 8260 (Volatile Organics)**



**LAS LABORATORIES**VOLATILE ORGANICS BY GC/MS  
8260 VOLATILES

Client Sample ID:	97BPXLIB3SD01(01)	LAL Sample ID:	L8849-1
Date Collected:	14-FEB-97	Date Received:	19-FEB-97
Date Analyzed:	20-FEB-97	Analytical Dilution:	1
Matrix:	Soil	Analytical Batch ID:	022097-8260-D1
Percent Moisture:	26.33	Preparation Dilution:	1.00

1,2-Dichloroethane-d4	95t	77-127
Toluene-d8	95t	84-120
Bromofluorobenzene	85t	78-125

Dichlorodifluoromethane	75-71-8	<6.8	6.8
Chloromethane	74-87-3	<6.8	6.8
Vinyl Chloride	75-01-4	<6.8	6.8
Bromomethane	74-83-9	<6.8	6.8
Chloroethane	75-00-3	<6.8	6.8
Trichlorofluoromethane	75-69-4	<6.8	6.8
Freon 113	76-13-1	<14.	14.
Acetone	67-64-1	35.	14.
1,1-Dichloroethene	75-35-4	<6.8	6.8
Carbon Disulfide	75-15-0	<6.8	6.8
Methylene Chloride	75-09-2	<6.8	6.8
trans-1,2-Dichloroethene	156-60-5	<6.8	6.8
Vinyl Acetate	108-05-4	<14.	14.
1,1-Dichloroethane	75-34-3	<6.8	6.8
2-Butanone	78-93-3	<14.	14.
2,2-Dichloropropane	594-20-7	<6.8	6.8
cis-1,2-Dichloroethene	156-59-2	<6.8	6.8
Chloroform	67-66-3	<6.8	6.8
Bromochloromethane	74-97-5	<6.8	6.8
1,1,1-Trichloroethane	71-55-6	<6.8	6.8
2-Chloroethylvinylether	110-75-8	<27.	27.
1,1-Dichloropropene	563-58-6	<6.8	6.8
Carbon tetrachloride	56-23-5	<6.8	6.8
1,2-Dichloroethane	107-06-2	<6.8	6.8
Benzene	71-43-2	<6.8	6.8
Trichloroethene	79-01-6	<6.8	6.8
1,2-Dichloropropane	78-87-5	<6.8	6.8
Bromodichloromethane	75-27-4	<6.8	6.8
Dibromomethane	74-95-3	<6.8	6.8
4-Methyl-2-Pentanone	108-10-1	<14.	14.
cis-1,3-Dichloropropene	10061-01-5	<6.8	6.8
Toluene	108-88-3	<6.8	6.8
trans-1,3-Dichloropropene	10061-02-6	<6.8	6.8
1,1,2-Trichloroethane	79-00-5	<6.8	6.8
2-Hexanone	591-78-6	<14.	14.
1,2-Dibromoethane	106-93-4	<6.8	6.8
3-Dichloropropane	142-28-9	<6.8	6.8
Tetrachloroethene	127-18-4	<6.8	6.8
Dibromochloromethane	124-48-1	<6.8	6.8
Chlorobenzene	108-90-7	<6.8	6.8
1,1,1,2-Tetrachloroethane	630-20-6	<6.8	6.8

# LAS LABORATORIES

VOLATILE ORGANICS BY GC/MS  
8260 VOLATILES

Client Sample ID:	97EPXLIB3SD01(01)	LAL Sample ID:	L8849-1
Date Collected:	14-FEB-97	Date Received:	19-FEB-97
Date Analyzed:	20-FEB-97	Analytical Dilution:	1
Matrix:	Soil	Analytical Batch ID:	022097-8260-01
Percent Moisture:	26.33	Preparation Dilution:	1.00

Ethylbenzene	100-41-4	<6.8	6.8
m,p-Xylene	136777-61-2	<6.8	6.8
o-Xylene	95-47-6	<6.8	6.8
Styrene	100-42-5	<6.8	6.8
Bromoform	75-25-2	<6.8	6.8
Isopropylbenzene	98-82-8	<6.8	6.8
1,1,2,2-Tetrachloroethane	79-34-5	<6.8	6.8
1,2,3-Trichloropropane	96-18-4	<6.8	6.8
n-Propylbenzene	103-65-1	<6.8	6.8
Bromobenzene	108-86-1	<6.8	6.8
1,3,5-Trimethylbenzene	108-57-8	<6.8	6.8
2-Chlorotoluene	95-49-8	<6.8	6.8
4-Chlorotoluene	106-43-4	<6.8	6.8
tert-Butylbenzene	98-06-6	<6.8	6.8
1,2,4-Trimethylbenzene	95-63-6	<6.8	6.8
sec-Butylbenzene	135-98-8	<6.8	6.8
p-Isopropyltoluene	99-87-6	<6.8	6.8
1,3-Dichlorobenzene	541-73-1	<6.8	6.8
1,4-Dichlorobenzene	106-46-7	<6.8	6.8
n-Butylbenzene	104-51-8	<6.8	6.8
1,2-Dichlorobenzene	95-50-1	<6.8	6.8
1,2-Dibromo-3-chloropropane	96-12-8	<6.8	6.8
1,2,4-Trichlorobenzene	120-82-1	<6.8	6.8
Hexachlorobutadiene	87-68-3	<6.8	6.8
Naphthalene	91-20-3	<6.8	6.8
1,2,3-Trichlorobenzene	87-61-6	<6.8	6.8

**LAS LABORATORIES**VOLATILE ORGANICS BY GC/MS  
8260 VOLATILES

Client Sample ID:	97BPXLIB6SD02(08)	LAL Sample ID:	L8849-13
Date Collected:	15-FEB-97	Date Received:	19-FEB-97
Date Analyzed:	20-FEB-97	Analytical Dilution:	1
Matrix:	Soil	Analytical Batch ID:	022097-8260-D1
Percent Moisture:	22.03	Preparation Dilution:	1.00

1,2-Dichloroethane-d4	93%	77-127
Toluene-d8	95%	84-120
Bromofluorobenzene	83%	78-125

Dichlorodifluoromethane	75-71-8	<6.4	6.4
Chloromethane	74-87-3	<6.4	6.4
Vinyl Chloride	75-01-4	<6.4	6.4
Bromomethane	74-83-9	<6.4	6.4
Chloroethane	75-00-3	<6.4	6.4
Trichlorofluoromethane	75-69-4	<6.4	6.4
neon 113	76-13-1	<13.	13.
acetone	67-64-1	42.	13.
1,1-Dichloroethane	75-35-4	<6.4	6.4
Carbon Disulfide	75-15-0	<6.4	6.4
Methylene Chloride	75-09-2	<6.4	6.4
trans-1,2-Dichloroethene	156-60-5	<6.4	6.4
Vinyl Acetate	108-05-4	<13.	13.
1,1-Dichloroethane	75-34-3	<6.4	6.4
2-Butanone	78-93-3	<13.	13.
2,2-Dichloropropane	594-20-7	<6.4	6.4
cis-1,2-Dichloroethene	156-59-2	<6.4	6.4
Chloroform	67-66-3	<6.4	6.4
Bromochloromethane	74-97-5	<6.4	6.4
1,1,1-Trichloroethane	71-55-6	<6.4	6.4
2-Chloroethylvinylether	110-75-8	<26.	26.
1,1-Dichloropropene	563-58-6	<6.4	6.4
Carbon tetrachloride	56-23-5	<6.4	6.4
1,2-Dichloroethane	107-06-2	<6.4	6.4
Benzene	71-43-2	<6.4	6.4
Trichloroethene	79-01-6	<6.4	6.4
1,2-Dichloropropane	78-87-5	<6.4	6.4
Bromodichloromethane	75-27-4	<6.4	6.4
Dibromomethane	74-95-3	<6.4	6.4
4-Methyl-2-Pentanone	108-10-1	<13.	13.
cis-1,3-Dichloropropene	10061-01-5	<6.4	6.4
Toluene	108-88-3	<6.4	6.4
trans-1,3-Dichloropropene	10061-02-6	<6.4	6.4
1,1,2-Trichloroethane	79-00-5	<6.4	6.4
Hexanone	591-78-6	<13.	13.
2-Dibromoethane	106-93-4	<6.4	6.4
1,3-Dichloropropene	142-28-9	<6.4	6.4
Tetrachloroethene	127-18-4	<6.4	6.4
Dibromochloromethane	124-48-1	<6.4	6.4
Chlorobenzene	108-90-7	<6.4	6.4
1,1,1,2-Tetrachloroethane	630-20-6	<6.4	6.4

# LAS LABORATORIES

VOLATILE ORGANICS BY GC/MS  
8260 VOLATILES

Client Sample ID:	97BPXLIB6SD02(08)	LAL Sample ID:	L8849-13
Date Collected:	15-FEB-97	Date Received:	19-FEB-97
Date Analyzed:	20-FEB-97	Analytical Dilution:	1
Matrix:	Soil	Analytical Batch ID:	022097-8260-01
Percent Moisture:	22.03	Preparation Dilution:	1.00



Ethylbenzene	100-41-4	<6.4	6.4
m,p-Xylene	136777-61-2	<6.4	6.4
o-Xylene	95-47-6	<6.4	6.4
Styrene	100-42-5	<6.4	6.4
Bromoform	75-25-2	<6.4	6.4
Isopropylbenzene	98-82-8	<6.4	6.4
1,1,2,2-Tetrachloroethane	79-34-5	<6.4	6.4
1,2,3-Trichloropropane	96-18-4	<6.4	6.4
n-Propylbenzene	103-65-1	<6.4	6.4
Bromobenzene	108-86-1	<6.4	6.4
1,3,5-Trimethylbenzene	108-67-8	<6.4	6.4
2-Chlorotoluene	95-49-8	<6.4	6.4
4-Chlorotoluene	106-43-4	<6.4	6.4
tert-Butylbenzene	98-06-6	<6.4	6.4
1,2,4-Trimethylbenzene	95-63-6	<6.4	6.4
sec-Butylbenzene	135-98-8	<6.4	6.4
p-Isopropyltoluene	99-87-6	<6.4	6.4
1,3-Dichlorobenzene	541-73-1	<6.4	6.4
1,4-Dichlorobenzene	106-46-7	<6.4	6.4
n-Butylbenzene	104-51-8	<6.4	6.4
1,2-Dichlorobenzene	95-50-1	<6.4	6.4
1,2-Dibromo-3-chloropropane	96-12-8	<6.4	6.4
1,2,4-Trichlorobenzene	120-82-1	<6.4	6.4
Hexachlorobutadiene	87-68-3	<6.4	6.4
Naphthalene	91-20-3	<6.4	6.4
1,2,3-Trichlorobenzene	87-61-6	<6.4	6.4



**LAS LABORATORIES**VOLATILE ORGANICS BY GC/MS  
8260 VOLATILES

Client Sample ID:	978FKL1H10SD01(01)	LAL Sample ID:	L8849-17
Date Collected:	15-FEB-97	Date Received:	19-FEB-97
Date Analyzed:	20-FEB-97	Analytical Dilution:	1
Matrix:	Soil	Analytical Batch ID:	022097-8260-D1
Percent Moisture:	20.06	Preparation Dilution:	1.00

1,2-Dichloroethane-d4	102%	77-127
Toluene-d8	94%	84-120
Bromofluorobenzene	89%	78-125

Dichlorodifluoromethane	75-71-8	<6.3	6.3
Chloromethane	74-87-3	<6.3	6.3
Vinyl Chloride	75-01-4	<6.3	6.3
Bromomethane	74-83-9	<6.3	6.3
Chloroethane	75-00-3	<6.3	6.3
Trichlorofluoromethane	75-69-4	<6.3	6.3
Isoprene 113	76-13-1	<13.	13.
Acetone	67-64-1	24.	13.
1,1-Dichloroethane	75-35-4	<6.3	6.3
Carbon Disulfide	75-15-0	<6.3	6.3
Methylene Chloride	75-09-2	<6.3	6.3
trans-1,2-Dichloroethane	156-60-5	<6.3	6.3
Vinyl Acetate	108-05-4	<13.	13.
1,1-Dichloroethane	75-34-3	<6.3	6.3
2-Butanone	78-93-3	<13.	13.
2,2-Dichloropropane	594-20-7	<6.3	6.3
cis-1,2-Dichloroethane	156-59-2	<6.3	6.3
Chloroform	67-66-3	<6.3	6.3
Bromochloromethane	74-97-5	<6.3	6.3
1,1,1-Trichloroethane	71-55-6	<6.3	6.3
2-Chloroethylvinylether	110-75-8	<25.	25.
1,1-Dichloropropene	563-58-6	<6.3	6.3
Carbon tetrachloride	56-23-5	<6.3	6.3
1,2-Dichloroethane	107-06-2	<6.3	6.3
Benzene	71-43-2	<6.3	6.3
Trichloroethane	79-01-6	<6.3	6.3
1,2-Dichloropropane	78-87-5	<6.3	6.3
Bromodichloromethane	75-27-4	<6.3	6.3
Dibromomethane	74-95-3	<6.3	6.3
1-Methyl-2-Pentanone	108-10-1	<13.	13.
cis-1,3-Dichloropropene	10061-01-5	<6.3	6.3
Toluene	108-88-3	<6.3	6.3
trans-1,3-Dichloropropene	10061-02-6	<6.3	6.3
1,1,2-Trichloroethane	79-00-5	<6.3	6.3
Hexanone	591-78-6	<13.	13.
1,2-Dibromoethane	106-93-4	<6.3	6.3
1,3-Dichloropropane	142-28-9	<6.3	6.3
Tetrachloroethane	127-18-4	<6.3	6.3
Dibromochloromethane	124-48-1	<6.3	6.3
Chlorobenzene	108-90-7	<6.3	6.3
1,1,2-Tetrachloroethane	79-00-5	<6.3	6.3

**LAS LABORATORIES**VOLATILE ORGANICS BY GC/MS  
8260 VOLATILES

Client Sample ID:	97BPXLIB10SD01(01)	LAL Sample ID:	L8849-17
Date Collected:	15-FEB-97	Date Received:	19-FEB-97
Date Analyzed:	20-FEB-97	Analytical Dilution:	1
Matrix:	Soil	Analytical Batch ID:	022097-8260-D1
Percent Moisture:	20.06	Preparation Dilution:	1.00

Ethylbenzene	100-41-4	<6.3	6.3
m,p-Xylene	136777-61-2	<6.3	6.3
o-Xylene	95-47-6	<6.3	6.3
Styrene	100-42-5	<6.3	6.3
Bromoform	75-25-2	<6.3	6.3
Isopropylbenzene	98-82-8	<6.3	6.3
1,1,2,2-Tetrachloroethane	79-34-5	<6.3	6.3
1,2,3-Trichloropropane	96-18-4	<6.3	6.3
n-Propylbenzene	103-65-1	<6.3	6.3
Bromobenzene	108-86-1	<6.3	6.3
1,3,5-Trimethylbenzene	108-67-8	<6.3	6.3
2-Chlorotoluene	95-49-8	<6.3	6.3
4-Chlorotoluene	106-43-4	<6.3	6.3
tert-Butylbenzene	98-06-6	<6.3	6.3
1,2,4-Trimethylbenzene	95-63-6	<6.3	6.3
sec-Butylbenzene	135-98-8	<6.3	6.3
p-Isopropyltoluene	99-87-6	<6.3	6.3
1,3-Dichlorobenzene	541-73-1	<6.3	6.3
1,4-Dichlorobenzene	106-46-7	<6.3	6.3
n-Butylbenzene	104-51-8	<6.3	6.3
1,2-Dichlorobenzene	95-50-1	<6.3	6.3
1,2-Dibromo-3-chloropropane	96-12-8	<6.3	6.3
1,2,4-Trichlorobenzene	120-82-1	<6.3	6.3
Hexachlorobutadiene	87-68-3	<6.3	6.3
Naphthalene	91-20-3	<6.3	6.3
1,2,3-Trichlorobenzene	87-61-6	<6.3	6.3

**LAS LABORATORIES**VOLATILE ORGANICS BY GC/MS  
8260 VOLATILES

Client Sample ID:	97BPXL1810SD02(08)	LAL Sample ID:	L8849-21
Date Collected:	15-FEB-97	Date Received:	19-FEB-97
Date Analyzed:	21-FEB-97	Analytical Dilution:	1
Matrix:	Soil	Analytical Batch ID:	022097-8260-D1
Percent Moisture:	27.19	Preparation Dilution:	0.990

1,2-Dichloroethane-d4	91%	77-127
Toluene-d8	89%	84-120
Bromofluorobenzene	81%	78-125

Dichlorodifluoromethane	75-71-8	<6.8	6.8
Chloromethane	74-87-3	<6.8	6.8
Vinyl Chloride	75-01-4	<6.8	6.8
Bromomethane	74-83-9	<6.8	6.8
Chloroethane	75-00-3	<6.8	6.8
Trichlorofluoromethane	75-69-4	<6.8	6.8
neon 113	76-13-1	<14.	14.
acetone	67-64-1	84.	14.
1,1-Dichloroethene	75-35-4	<6.8	6.8
Carbon Disulfide	75-15-0	<6.8	6.8
Methylene Chloride	75-09-2	<6.8	6.8
trans-1,2-Dichloroethene	156-60-5	<6.8	6.8
Vinyl Acetate	108-05-4	<14.	14.
1,1-Dichloroethane	75-34-3	<6.8	6.8
2-Butanone	78-93-3	16.	14.
2,2-Dichloropropane	594-20-7	<6.8	6.8
cis-1,2-Dichloroethene	156-59-2	<6.8	6.8
Chloroform	67-66-3	<6.8	6.8
Bromochloromethane	74-97-5	<6.8	6.8
1,1,1-Trichloroethane	71-55-6	<6.8	6.8
2-Chloroethylvinylether	110-75-8	<27.	27.
1,1-Dichloropropane	563-58-6	<6.8	6.8
Carbon tetrachloride	56-23-5	<6.8	6.8
1,2-Dichloroethane	107-06-2	<6.8	6.8
Benzene	71-43-2	<6.8	6.8
Trichloroethene	79-01-6	<6.8	6.8
1,2-Dichloropropane	78-87-5	<6.8	6.8
Bromodichloromethane	75-27-4	<6.8	6.8
Dibromomethane	74-95-3	<6.8	6.8
4-Methyl-2-Pentanone	108-10-1	<14.	14.
cis-1,3-Dichloropropane	10061-01-5	<6.8	6.8
Toluene	108-88-3	<6.8	6.8
trans-1,3-Dichloropropane	10061-02-6	<6.8	6.8
1,1,2-Trichloroethane	79-00-5	<6.8	6.8
Hexanone	591-78-6	<14.	14.
2-Dibromoethane	106-93-4	<6.8	6.8
1,3-Dichloropropane	142-28-9	<6.8	6.8
Tetrachloroethene	127-18-4	<6.8	6.8
Dibromochloromethane	124-48-1	<6.8	6.8
Chlorobenzene	108-90-7	<6.8	6.8
1,1,1,2-Tetrachloroethane	630-20-4	<6.8	6.8

**LAS LABORATORIES**VOLATILE ORGANICS BY GC/MS  
8260 VOLATILES

Client Sample ID:	97BFXLIB10SD02(08)	LAL Sample ID:	LB849-21
Date Collected:	15-FEB-97	Date Received:	19-FEB-97
Date Analyzed:	21-FEB-97	Analytical Dilution:	1
Matrix:	Soil	Analytical Batch ID:	022097-8260-D1
Percent Moisture:	27.19	Preparation Dilution:	0.990

Ethylbenzene	100-41-4	<6.8	6.8
m,p-Xylene	136777-61-2	<6.8	6.8
o-Xylene	95-47-6	<6.8	6.8
Styrene	100-42-5	<6.8	6.8
Bromoform	75-25-2	<6.8	6.8
Isopropylbenzene	98-82-8	<6.8	6.8
1,1,2,2-Tetrachloroethane	79-34-5	<6.8	6.8
1,2,3-Trichloropropane	96-18-4	<6.8	6.8
n-Propylbenzene	103-65-1	<6.8	6.8
Bromobenzene	108-86-1	<6.8	6.8
1,3,5-Trimethylbenzene	108-67-8	<6.8	6.8
2-Chlorotoluene	95-49-8	<6.8	6.8
4-Chlorotoluene	106-43-4	<6.8	6.8
tert-Butylbenzene	98-06-6	<6.8	6.8
1,2,4-Trimethylbenzene	95-63-6	<6.8	6.8
sec-Butylbenzene	135-98-8	<6.8	6.8
p-Isopropyltoluene	99-87-6	<6.8	6.8
1,3-Dichlorobenzene	541-73-1	<6.8	6.8
1,4-Dichlorobenzene	106-46-7	<6.8	6.8
n-Butylbenzene	104-51-8	<6.8	6.8
1,2-Dichlorobenzene	95-50-1	<6.8	6.8
1,2-Dibromo-3-chloropropane	96-12-8	<6.8	6.8
1,2,4-Trichlorobenzene	120-82-1	<6.8	6.8
Hexachlorobutadiene	87-68-3	<6.8	6.8
Naphthalene	91-20-3	<6.8	6.8
1,2,3-Trichlorobenzene	87-61-6	<6.8	6.8

# LAS LABORATORIES

VOLATILE ORGANICS BY GC/MS  
8260 VOLATILES

Client Sample ID:	97HFILIR3SD02(08)	LAL Sample ID:	L8849-5
Date Collected:	14-FEB-97	Date Received:	19-FEB-97
Date Analyzed:	20-FEB-97	Analytical Dilution:	1
Matrix:	Soil	Analytical Batch ID:	021997-8260-D1
Percent Moisture:	18.83	Preparation Dilution:	0.990

1,2-Dichloroethane-d4	101%	77-127
Toluene-d8	96%	84-120
Bromofluorobenzene	81%	78-125

Dichlorodifluoromethane	75-71-8	<6.1	6.1
Chloromethane	74-87-3	<6.1	6.1
Vinyl Chloride	75-01-4	<6.1	6.1
Bromomethane	74-83-9	<6.1	6.1
Chloroethane	75-00-3	<6.1	6.1
Trichlorofluoromethane	75-69-4	<6.1	6.1
Neon 113	76-13-1	<12.	12.
acetone	67-64-1	18.	12.
1,1-Dichloroethane	75-35-4	<6.1	6.1
Carbon Disulfide	75-15-0	<6.1	6.1
Methylene Chloride	75-09-2	<6.1	6.1
trans-1,2-Dichloroethane	156-60-5	<6.1	6.1
Vinyl Acetate	108-05-4	<12.	12.
1,1-Dichloroethane	75-34-3	<6.1	6.1
2-Butanone	78-93-3	<12.	12.
2,2-Dichloropropane	594-20-7	<6.1	6.1
cis-1,2-Dichloroethane	156-59-2	<6.1	6.1
Chloroform	67-66-3	<6.1	6.1
Bromochloromethane	74-97-5	<6.1	6.1
1,1,1-Trichloroethane	71-55-6	<6.1	6.1
2-Chloroethylvinylether	110-75-8	<24.	24.
1,1-Dichloropropane	563-58-6	<6.1	6.1
Carbon tetrachloride	56-23-5	<6.1	6.1
1,2-Dichloroethane	107-06-2	<6.1	6.1
Benzene	71-43-2	<6.1	6.1
Trichloroethane	79-01-6	<6.1	6.1
1,2-Dichloropropane	78-87-5	<6.1	6.1
Bromodichloromethane	75-27-4	<6.1	6.1
Dibromomethane	74-95-3	<6.1	6.1
4-Methyl-2-Pentanone	108-10-1	<12.	12.
cis-1,3-Dichloropropene	10061-01-5	<6.1	6.1
Toluene	108-88-3	<6.1	6.1
trans-1,3-Dichloropropene	10061-02-6	<6.1	6.1
1,1,2-Trichloroethane	79-00-5	<6.1	6.1
2-Hexanone	591-78-6	<12.	12.
1,2-Dibromoethane	106-93-4	<6.1	6.1
trans-1,3-Dichloropropene	142-28-9	<6.1	6.1
Tetrachloroethane	127-18-4	<6.1	6.1
Dibromochloromethane	124-46-1	<6.1	6.1
Chlorobenzene	108-90-7	<6.1	6.1
1,1,1,2-Tetrachloroethane	630-20-6	<6.1	6.1

# LAS LABORATORIES

**VOLATILE ORGANICS BY GC/MS**  
**8260 VOLATILES**

Client Sample ID:	97BPLIB3SD02(08)	LAL Sample ID:	L8849-5
Date Collected:	14-FEB-97	Date Received:	19-FEB-97
Date Analyzed:	20-FEB-97	Analytical Dilution:	1
Matrix:	Soil	Analytical Batch ID:	021997-8260-D1
Percent Moisture:	18.83	Preparation Dilution:	0.990



Ethylbenzene	100-41-4	<6.1	6.1
m,p-Xylene	136777-61-2	<6.1	6.1
o-Xylene	95-47-6	<6.1	6.1
Styrene	100-42-5	<6.1	6.1
Bromoform	75-25-2	<6.1	6.1
Isopropylbenzene	98-82-8	<6.1	6.1
1,1,2,2-Tetrachloroethane	79-34-5	<6.1	6.1
1,2,3-Trichloropropane	96-18-4	<6.1	6.1
n-Propylbenzene	103-65-1	<6.1	6.1
Bromobenzene	108-86-1	<6.1	6.1
1,3,5-Trimethylbenzene	108-67-8	<6.1	6.1
2-Chlorotoluene	95-49-8	<6.1	6.1
4-Chlorotoluene	106-43-4	<6.1	6.1
tert-Butylbenzene	98-06-6	<6.1	6.1
1,2,4-Trimethylbenzene	95-63-6	<6.1	6.1
sec-Butylbenzene	135-98-8	<6.1	6.1
p-Isopropyltoluene	99-87-6	<6.1	6.1
1,3-Dichlorobenzene	541-73-1	<6.1	6.1
1,4-Dichlorobenzene	106-46-7	<6.1	6.1
n-Butylbenzene	104-51-8	<6.1	6.1
1,2-Dichlorobenzene	95-50-1	<6.1	6.1
1,2-Dibromo-3-chloropropane	96-12-8	<6.1	6.1
1,2,4-Trichlorobenzene	120-82-1	<6.1	6.1
Hexachlorobutadiene	87-68-3	<6.1	6.1
Naphthalene	91-20-3	<6.1	6.1
1,2,3-Trichlorobenzene	87-61-6	<6.1	6.1

**LAS LABORATORIES**

VLATILE ORGANICS BY GC/MS  
8260 VOLATILES

Client Sample ID:	978PILIB6SD01(01)	LAL Sample ID:	L8849-9
Date Collected:	15-FEB-97	Date Received:	19-FEB-97
Date Analyzed:	20-FEB-97	Analytical Dilution:	1
Matrix:	Soil	Analytical Batch ID:	022097-8260-D1
Percent Moisture:	32.2	Preparation Dilution:	1.00

1,2-Dichloroethane-d4	89%	77-127
Toluene-d8	94%	84-120
Bromofluorobenzene	82%	78-125

Dichlorodifluoromethane	75-71-8	<7.4	7.4
Chloromethane	74-87-3	<7.4	7.4
Vinyl Chloride	75-01-4	<7.4	7.4
Bromomethane	74-83-9	<7.4	7.4
Chloroethane	75-00-3	<7.4	7.4
Trichlorofluoromethane	75-69-4	<7.4	7.4
Freon 113	76-13-1	<15.	15.
Acetone	67-64-1	160	15.
1-Dichloroethene	75-35-4	<7.4	7.4
Carbon Disulfide	75-15-0	<7.4	7.4
Methylene Chloride	75-09-2	<7.4	7.4
trans-1,2-Dichloroethene	156-60-5	<7.4	7.4
Vinyl Acetate	108-05-4	<15.	15.
1,1-Dichloroethane	75-34-3	<7.4	7.4
2-Butanone	78-93-3	23.	15.
2,2-Dichloropropane	594-20-7	<7.4	7.4
cis-1,2-Dichloroethene	156-59-2	<7.4	7.4
Chloroform	67-66-3	<7.4	7.4
Bromochloromethane	74-97-5	<7.4	7.4
1,1,1-Trichloroethane	71-55-6	<7.4	7.4
2-Chloroethylvinylether	110-75-8	<29.	29.
1,1-Dichloropropene	563-58-6	<7.4	7.4
Carbon tetrachloride	56-23-5	<7.4	7.4
1,2-Dichloroethane	107-06-2	<7.4	7.4
Benzene	71-43-2	<7.4	7.4
Trichloroethene	79-01-6	<7.4	7.4
1,2-Dichloropropane	78-87-5	<7.4	7.4
Bromodichloromethane	75-27-4	<7.4	7.4
Dibromomethane	74-95-3	<7.4	7.4
4-Methyl-2-Pentanone	108-10-1	<15.	15.
cis-1,3-Dichloropropene	10061-01-5	<7.4	7.4
Toluene	108-88-3	<7.4	7.4
trans-1,3-Dichloropropene	10061-02-6	<7.4	7.4
1,1,2-Trichloroethane	79-00-5	<7.4	7.4
2-Hexanone	591-78-6	<15.	15.
1,2-Dibromoethane	106-93-4	<7.4	7.4
1,3-Dichloropropene	142-28-9	<7.4	7.4
trichloroethene	127-18-4	<7.4	7.4
Dibromochloromethane	124-48-1	<7.4	7.4
Chlorobenzene	108-90-7	<7.4	7.4
1,1,1,2-Tetrachloroethane	630-20-6	<7.4	7.4

# LAS LABORATORIES

**VOLATILE ORGANICS BY GC/MS**  
**8260 VOLATILES**

Client Sample ID:	97BPXLIB6SD01(01)	LAL Sample ID:	L8849-9
Date Collected:	15-FEB-97	Date Received:	19-FEB-97
Date Analyzed:	20-FEB-97	Analytical Dilution:	1
Matrix:	Soil	Analytical Batch ID:	022097-8260-D1
Percent Moisture:	32.2	Preparation Dilution:	1.00



Ethylbenzene	100-41-4	<7.4	7.4
m,p-Xylene	136777-61-2	<7.4	7.4
o-Xylene	95-47-6	<7.4	7.4
Styrene	100-42-5	<7.4	7.4
Bromoform	75-25-2	<7.4	7.4
Isopropylbenzene	98-82-8	<7.4	7.4
1,1,2,2-Tetrachloroethane	79-34-5	<7.4	7.4
1,2,3-Trichloropropane	96-18-4	<7.4	7.4
n-Propylbenzene	103-65-1	<7.4	7.4
Bromobenzene	108-86-1	<7.4	7.4
1,3,5-Trimethylbenzene	108-67-8	<7.4	7.4
2-Chlorotoluene	95-49-8	<7.4	7.4
4-Chlorotoluene	106-43-4	<7.4	7.4
tert-Butyl benzene	98-06-6	<7.4	7.4
1,2,4-Trichlorobenzene	95-63-6	<7.4	7.4
sec-Butyl benzene	135-98-8	<7.4	7.4
p-Isopropyl toluene	99-87-6	<7.4	7.4
1,3-Dichlorobenzene	541-73-1	<7.4	7.4
1,4-Dichlorobenzene	106-46-7	<7.4	7.4
n-Butylbenzene	104-51-8	<7.4	7.4
1,2-Dichlorobenzene	95-50-1	<7.4	7.4
1,2-Dibromo-3-chloropropane	96-12-8	<7.4	7.4
1,2,4-Trichlorobenzene	120-82-1	<7.4	7.4
Hexachlorobutadiene	87-68-3	<7.4	7.4
Naphthalene	91-20-3	<7.4	7.4
1,2,3-Trichlorobenzene	87-61-6	<7.4	7.4



# LAS LABORATORIES

VOLATILE ORGANICS BY GC/MS  
8260 VOLATILES

Client Sample ID:	97BFXLIII1SD02(08)	LAL Sample ID:	L8849-33
Date Collected:	15-FEB-97	Date Received:	19-FEB-97
Date Analyzed:	21-FEB-97	Analytical Dilution:	1
Matrix:	Soil	Analytical Batch ID:	022197-8260-D1
Percent Moisture:	21.34	Preparation Dilution:	0.980

Compound	Recovery	Reference
1,2-Dichloroethane-d4	95%	77-127
Toluene-d8	97%	84-120
Bromofluorobenzene	86%	78-125

Compound	Reference	Result ug/kg	Limit ug/kg	Notes
Dichlorodifluoromethane	75-71-8	<6.2	6.2	
Chloromethane	74-87-3	<6.2	6.2	
Vinyl Chloride	75-01-4	<6.2	6.2	
Bromomethane	74-83-9	<6.2	6.2	
Chloroethane	75-00-3	<6.2	6.2	
Trichlorofluoromethane	75-69-4	<6.2	6.2	
Freon 113	76-13-1	<12.	12.	
acetone	67-64-1	250	12.	E
1,1-Dichloroethene	75-35-4	<6.2	6.2	
Carbon Disulfide	75-15-0	<6.2	6.2	
Methylene Chloride	75-09-2	<6.2	6.2	
trans-1,2-Dichloroethene	156-60-5	<6.2	6.2	
Vinyl Acetate	108-05-4	<12.	12.	
1,1-Dichloroethane	75-34-3	<6.2	6.2	
2-Butanone	78-93-3	53.	12.	
2,2-Dichloropropane	594-20-7	<6.2	6.2	
cis-1,2-Dichloroethene	156-59-2	<6.2	6.2	
Chloroform	67-66-3	<6.2	6.2	
Bromochloromethane	74-97-5	<6.2	6.2	
1,1,1-Trichloroethane	71-55-6	<6.2	6.2	
2-Chloroethylvinylether	110-75-8	<25.	25.	
1,1-Dichloropropene	563-58-6	<6.2	6.2	
Carbon tetrachloride	56-23-5	<6.2	6.2	
1,2-Dichloroethane	107-06-2	<6.2	6.2	
Benzene	71-43-2	<6.2	6.2	
Trichloroethene	79-01-6	<6.2	6.2	
1,2-Dichloropropane	78-87-5	<6.2	6.2	
Bromodichloromethane	75-27-4	<6.2	6.2	
Dibromomethane	74-95-3	<6.2	6.2	
4-Methyl-2-Pentanone	108-10-1	<12.	12.	
cis-1,3-Dichloropropene	10061-01-5	<6.2	6.2	
Toluene	108-88-3	<6.2	6.2	
trans-1,3-Dichloropropene	10061-02-6	<6.2	6.2	
1,1,2-Trichloroethane	79-00-5	<6.2	6.2	
2-Hexanone	591-78-6	<12.	12.	
1,2-Dibromoethane	106-93-4	<6.2	6.2	
1,3-Dichloropropane	142-28-9	<6.2	6.2	
Tetrachloroethene	127-18-4	<6.2	6.2	
Dibromochloromethane	124-48-1	<6.2	6.2	
Chlorobenzene	108-90-7	<6.2	6.2	
1,1,1,2-Tetrachloroethane	630-20-6	<6.2	6.2	

# LAS LABORATORIES

VOLATILE ORGANICS BY GC/MS  
8260 VOLATILES

Client Sample ID:	97BPXLIISD02(08)	LAL Sample ID:	L8849-33
Date Collected:	15-FEB-97	Date Received:	19-FEB-97
Date Analyzed:	21-FEB-97	Analytical Dilution:	1
Matrix:	Soil	Analytical Batch ID:	022197-8260-D1
Percent Moisture:	21.34	Preparation Dilution:	0.980

CONSTITUENT	DATA NO.	RESULT µg/kg	POP µg/kg	DATA QUALIFIED
Ethylbenzene	100-41-4	<6.2	6.2	
m,p-Xylene	136777-61-2	<6.2	6.2	
o-Xylene	95-47-6	<6.2	6.2	
Styrene	100-42-5	<6.2	6.2	
Bromoform	75-25-2	<6.2	6.2	
Isopropylbenzene	98-82-8	<6.2	6.2	
1,1,2,2-Tetrachloroethane	79-34-5	<6.2	6.2	
1,2,3-Trichloropropane	96-18-4	<6.2	6.2	
n-Propylbenzene	103-65-1	<6.2	6.2	
Bromobenzene	108-86-1	<6.2	6.2	
1,3,5-Trimethylbenzene	108-67-8	<6.2	6.2	
2-Chlorotoluene	95-49-8	<6.2	6.2	
4-Chlorotoluene	106-43-4	<6.2	6.2	
tert-Butylbenzene	98-06-6	<6.2	6.2	
1,2,4-Trimethylbenzene	95-63-6	<6.2	6.2	
sec-Butylbenzene	135-98-8	<6.2	6.2	
p-Isopropyltoluene	99-87-6	<6.2	6.2	
1,3-Dichlorobenzene	541-73-1	<6.2	6.2	
1,4-Dichlorobenzene	106-46-7	<6.2	6.2	
n-Butylbenzene	104-51-8	<6.2	6.2	
1,2-Dichlorobenzene	95-50-1	<6.2	6.2	
1,2-Dibromo-3-chloropropane	96-12-8	<6.2	6.2	
1,2,4-Trichlorobenzene	120-82-1	<6.2	6.2	
Hexachlorobutadiene	87-68-3	<6.2	6.2	
Naphthalene	91-20-3	<6.2	6.2	
1,2,3-Trichlorobenzene	87-61-6	<6.2	6.2	

# AS LABORATORIES

VOLATILE ORGANICS BY GC/MS  
8260 VOLATILES

Client Sample ID:	97BFXLIC2SD01(01)	LAL Sample ID:	L8849-37
Date Collected:	15-FEB-97	Date Received:	19-FEB-97
Date Analyzed:	21-FEB-97	Analytical Dilution:	1
Matrix:	Soil	Analytical Batch ID:	022197-8260-D1
Percent Moisture:	26.72	Preparation Dilution:	0.990

Compound	Recovery	GC Limits
1,2-Dichloroethane-d4	90%	77-127
Toluene-d8	97%	84-120
Bromofluorobenzene	79%	78-125

Compound	GC No.	Concn ng/kg	Vol ng/kg	GCN QUALIFIER
Dichlorodifluoromethane	75-71-8	<6.8	6.8	
Chloromethane	74-87-3	<6.8	6.8	
Vinyl Chloride	75-01-4	<6.8	6.8	
Bromomethane	74-83-9	<6.8	6.8	
Chloroethane	75-00-3	<6.8	6.8	
Trichlorofluoromethane	75-69-4	<6.8	6.8	
neon 113	76-13-1	<14.	14.	
acetone	67-64-1	120	14.	
1,1-Dichloroethene	75-35-4	<6.8	6.8	
Carbon Disulfide	75-15-0	<6.8	6.8	
Methylene Chloride	75-09-2	<6.8	6.8	
trans-1,2-Dichloroethene	156-60-5	<6.8	6.8	
Vinyl Acetate	108-05-4	<14.	14.	
1,1-Dichloroethane	75-34-3	<6.8	6.8	
2-Butanone	78-93-3	20.	14.	
2,2-Dichloropropane	594-20-7	<6.8	6.8	
cis-1,2-Dichloroethene	156-59-2	<6.8	6.8	
Chloroform	67-66-3	<6.8	6.8	
Bromochloromethane	74-97-5	<6.8	6.8	
1,1,1-Trichloroethane	71-55-6	<6.8	6.8	
2-Chloroethylvinylether	110-75-8	<27.	27.	
1,1-Dichloropropene	563-58-6	<6.8	6.8	
Carbon tetrachloride	56-23-5	<6.8	6.8	
1,2-Dichloroethane	107-06-2	<6.8	6.8	
Benzene	71-43-2	<6.8	6.8	
Trichloroethene	79-01-6	<6.8	6.8	
1,2-Dichloropropane	78-87-5	<6.8	6.8	
Bromodichloromethane	75-27-4	<6.8	6.8	
Dibromomethane	74-95-3	<6.8	6.8	
4-Methyl-2-Pentanone	108-10-1	<14.	14.	
cis-1,3-Dichloropropene	10061-01-5	<6.8	6.8	
Toluene	108-88-3	<6.8	6.8	
trans-1,3-Dichloropropene	10061-02-6	<6.8	6.8	
1,1,2-Trichloroethane	79-00-5	<6.8	6.8	
2-Hexanone	591-78-6	<14.	14.	
1,2-Dibromoethane	106-93-4	<6.8	6.8	
1,3-Dichloropropane	142-28-9	<6.8	6.8	
Tetrachloroethene	127-18-4	<6.8	6.8	
Dibromochloromethane	124-48-1	<6.8	6.8	
Chlorobenzene	108-90-7	<6.8	6.8	
1,1,1,2-Tetrachloroethane	630-20-6	<6.8	6.8	

# LAS LABORATORIES

VOLATILE ORGANICS BY GC/MS  
8260 VOLATILES

Client Sample ID:	97BPXLIC2SD01(01)	LAL Sample ID:	L8849-37
Date Collected:	15-FEB-97	Date Received:	19-FEB-97
Date Analyzed:	21-FEB-97	Analytical Dilution:	1
Matrix:	Soil	Analytical Batch ID:	022197-8260-D1
Percent Moisture:	26.72	Preparation Dilution:	0.990

CONSTITUENT	CAS NO.	RESULT	UNIT
Ethylbenzene	100-41-4	<6.8	6.8
m,p-Xylene	136777-61-2	<6.8	6.8
o-Xylene	95-47-6	<6.8	6.8
Styrene	100-42-5	<6.8	6.8
Bromoform	75-25-2	<6.8	6.8
Isopropylbenzene	98-82-8	<6.8	6.8
1,1,2,2-Tetrachloroethane	79-34-5	<6.8	6.8
1,2,3-Trichloropropane	96-18-4	<6.8	6.8
n-Propylbenzene	103-65-1	<6.8	6.8
Bromobenzene	108-86-1	<6.8	6.8
1,3,5-Trimethylbenzene	108-67-8	<6.8	6.8
2-Chlorotoluene	95-49-8	<6.8	6.8
4-Chlorotoluene	106-43-4	<6.8	6.8
tert-Butylbenzene	98-06-6	<6.8	6.8
1,2,4-Trimethylbenzene	95-63-6	<6.8	6.8
sec-Butylbenzene	135-98-8	<6.8	6.8
p-Isopropyltoluene	99-87-6	<6.8	6.8
1,3-Dichlorobenzene	541-73-1	<6.8	6.8
1,4-Dichlorobenzene	106-46-7	<6.8	6.8
n-Butylbenzene	104-51-8	<6.8	6.8
1,2-Dichlorobenzene	95-50-1	<6.8	6.8
1,2-Dibromo-3-chloropropane	96-12-8	<6.8	6.8
1,2,4-Trichlorobenzene	120-82-1	<6.8	6.8
Hexachlorobutadiene	87-68-3	<6.8	6.8
Naphthalene	91-20-3	<6.8	6.8
1,2,3-Trichlorobenzene	87-61-6	<6.8	6.8

# AS LABORATORIES

VOLATILE ORGANICS BY GC/MS  
8260 VOLATILES

Client Sample ID:	97BPXLIC2SD02(08)	LAL Sample ID:	L8849-41
Date Collected:	15-FEB-97	Date Received:	19-FEB-97
Date Analyzed:	21-FEB-97	Analytical Dilution:	1
Matrix:	Soil	Analytical Batch ID:	022197-8260-D1
Percent Moisture:	19.74	Preparation Dilution:	1.00

CONSTITUENT	RECOVERY	GC METHOD
1,2-Dichloroethane-d4	94%	77-127
Toluene-d8	97%	84-120
Bromofluorobenzene	86%	78-125

CONSTITUENT	GC METHOD	RESULT ng/kg	LOD ng/kg	DATA QUALIFIER(S)
Dichlorodifluoromethane	75-71-8	<6.2	6.2	
Chloromethane	74-87-3	<6.2	6.2	
Vinyl Chloride	75-01-4	<6.2	6.2	
Bromomethane	74-83-9	<6.2	6.2	
Chloroethane	75-00-3	<6.2	6.2	
Trichlorofluoromethane	75-69-4	<6.2	6.2	
Aceton 113	76-13-1	<12.	12.	
Acetone	67-64-1	28.	12.	
1,1-Dichloroethene	75-35-4	<6.2	6.2	
Carbon Disulfide	75-15-0	<6.2	6.2	
Methylene Chloride	75-09-2	<6.2	6.2	
trans-1,2-Dichloroethene	156-60-5	<6.2	6.2	
Vinyl Acetate	108-05-4	<12.	12.	
1,1-Dichloroethane	75-34-3	<6.2	6.2	
2-Butanone	78-93-3	<12.	12.	
2,2-Dichloropropane	594-20-7	<6.2	6.2	
cis-1,2-Dichloroethene	156-59-2	<6.2	6.2	
Chloroform	67-66-3	<6.2	6.2	
Bromochloromethane	74-97-5	<6.2	6.2	
1,1,1-Trichloroethane	71-55-6	<6.2	6.2	
2-Chloroethylvinylether	110-75-8	<25.	25.	
1,1-Dichloropropene	563-58-6	<6.2	6.2	
Carbon tetrachloride	56-23-5	<6.2	6.2	
1,2-Dichloroethane	107-06-2	<6.2	6.2	
Benzene	71-43-2	<6.2	6.2	
Trichloroethene	79-01-6	<6.2	6.2	
1,2-Dichloropropane	78-87-5	<6.2	6.2	
Bromodichloromethane	75-27-4	<6.2	6.2	
Dibromomethane	74-95-3	<6.2	6.2	
4-Methyl-2-Pentanone	108-10-1	<12.	12.	
cis-1,3-Dichloropropene	10061-01-5	<6.2	6.2	
Toluene	108-88-3	<6.2	6.2	
trans-1,3-Dichloropropene	10061-02-6	<6.2	6.2	
1,1,2-Trichloroethane	79-00-5	<6.2	6.2	
Hexanone	591-78-6	<12.	12.	
1,2-Dibromoethane	106-93-4	<6.2	6.2	
1,3-Dichloropropane	142-28-9	<6.2	6.2	
Tetrachloroethene	127-18-4	<6.2	6.2	
Dibromochloromethane	124-48-1	<6.2	6.2	
Chlorobenzene	108-90-7	<6.2	6.2	
1,1,1,2-Tetrachloroethane	630-20-6	<6.2	6.2	

# LAS LABORATORIES

VOLATILE ORGANICS BY GC/MS  
8260 VOLATILES

Client Sample ID:	97BPXLIC2SD02(08)	LAL Sample ID:	L8849-41
Date Collected:	15-FEB-97	Date Received:	19-FEB-97
Date Analyzed:	21-FEB-97	Analytical Dilution:	1
Matrix:	Soil	Analytical Batch ID:	022197-8260-D1
Percent Moisture:	19.74	Preparation Dilution:	1.00

CONCENTRATION	REFERENCE	RESULT	UNIT	DATE
				QUALITY (P/P)
Ethylbenzene	100-41-4	<6.2	6.2	
m,p-Xylene	136777-61-2	<6.2	6.2	
o-Xylene	95-47-6	<6.2	6.2	
Styrene	100-42-5	<6.2	6.2	
Bromoform	75-25-2	<6.2	6.2	
Isopropylbenzene	98-82-8	<6.2	6.2	
1,1,2,2-Tetrachloroethane	79-34-5	<6.2	6.2	
1,2,3-Trichloropropane	96-18-4	<6.2	6.2	
n-Propylbenzene	103-65-1	<6.2	6.2	
Bromobenzene	108-86-1	<6.2	6.2	
1,3,5-Trimethylbenzene	108-67-8	<6.2	6.2	
2-Chlorotoluene	95-49-8	<6.2	6.2	
4-Chlorotoluene	106-43-4	<6.2	6.2	
tert-Butylbenzene	98-06-6	<6.2	6.2	
1,2,4-Trimethylbenzene	95-63-6	<6.2	6.2	
sec-Butylbenzene	135-98-8	<6.2	6.2	
p-Isopropyltoluene	99-87-6	<6.2	6.2	
1,3-Dichlorobenzene	541-73-1	<6.2	6.2	
1,4-Dichlorobenzene	106-46-7	<6.2	6.2	
n-Butylbenzene	104-51-8	<6.2	6.2	
1,2-Dichlorobenzene	95-50-1	<6.2	6.2	
1,2-Dibromo-3-chloropropane	96-12-8	<6.2	6.2	
1,2,4-Trichlorobenzene	120-82-1	<6.2	6.2	
Hexachlorobutadiene	87-68-3	<6.2	6.2	
Naphthalene	91-20-3	<6.2	6.2	
1,2,3-Trichlorobenzene	87-61-6	<6.2	6.2	

# AS LABORATORIES

VOLATILE ORGANICS BY GC/MS  
8260 VOLATILES

Client Sample ID:	97BPXLIC2SD61(08)	LAL Sample ID:	L8849-45
Date Collected:	15-FEB-97	Date Received:	19-FEB-97
Date Analyzed:	21-FEB-97	Analytical Dilution:	1
Matrix:	Soil	Analytical Batch ID:	022197-8260-D1
Percent Moisture:	19.23	Preparation Dilution:	1.00

SUBSTRATE	RECOVERY	CONCENTRATION
1,2-Dichloroethane-d4	94%	77-127
Toluene-d8	96%	84-120
Bromofluorobenzene	86%	78-125

CONSTITUENT	CAN No.	RESULT ug/kg	PQL ug/kg	DATA QUALITY INDEX
Dichlorodifluoromethane	75-71-8	<6.2	6.2	
Chloromethane	74-87-3	<6.2	6.2	
Vinyl Chloride	75-01-4	<6.2	6.2	
Bromomethane	74-83-9	<6.2	6.2	
Chloroethane	75-00-3	<6.2	6.2	
Trichlorofluoromethane	75-69-4	<6.2	6.2	
Acetone	76-13-1	<12.	12.	
Acetone	67-64-1	34.	12.	
1,1-Dichloroethene	75-35-4	<6.2	6.2	
Carbon Disulfide	75-15-0	<6.2	6.2	
Methylene Chloride	75-09-2	<6.2	6.2	
trans-1,2-Dichloroethene	156-60-5	<6.2	6.2	
Vinyl Acetate	108-05-4	<12.	12.	
1,1-Dichloroethane	75-34-3	<6.2	6.2	
2-Butanone	78-93-3	<12.	12.	
2,2-Dichloropropane	594-20-7	<6.2	6.2	
cis-1,2-Dichloroethene	156-59-2	<6.2	6.2	
Chloroform	67-66-3	<6.2	6.2	
Bromochloromethane	74-97-5	<6.2	6.2	
1,1,1-Trichloroethane	71-55-6	<6.2	6.2	
2-Chloroethylvinylether	110-75-8	<25.	25.	
1,1-Dichloropropene	563-58-6	<6.2	6.2	
Carbon tetrachloride	56-23-5	<6.2	6.2	
1,2-Dichloroethane	107-06-2	<6.2	6.2	
Benzene	71-43-2	<6.2	6.2	
Trichloroethene	79-01-6	<6.2	6.2	
1,2-Dichloropropane	78-87-5	<6.2	6.2	
Bromodichloromethane	75-27-4	<6.2	6.2	
Dibromomethane	74-95-3	<6.2	6.2	
4-Methyl-2-Pentanone	108-10-1	<12.	12.	
cis-1,3-Dichloropropene	10061-01-5	<6.2	6.2	
Toluene	108-88-3	<6.2	6.2	
trans-1,3-Dichloropropene	10061-02-6	<6.2	6.2	
1,1,2-Trichloroethane	79-00-5	<6.2	6.2	
Hexanone	591-78-6	<12.	12.	
1,2-Dibromoethane	106-93-4	<6.2	6.2	
1,3-Dichloropropane	142-28-9	<6.2	6.2	
Tetrachloroethene	127-18-4	<6.2	6.2	
Dibromochloromethane	124-48-1	<6.2	6.2	
Chlorobenzene	108-90-7	<6.2	6.2	
1,1,1,2-Tetrachloroethane	630-20-6	<6.2	6.2	

# LAS LABORATORIES

VOLATILE ORGANICS BY GC/MS  
8260 VOLATILES

Client Sample ID:	97BPXLIC2SD61(08)	LAL Sample ID:	L8949-45
Date Collected:	15-FEB-97	Date Received:	19-FEB-97
Date Analyzed:	21-FEB-97	Analytical Dilution:	1
Matrix:	Soil	Analytical Batch ID:	022197-8260-D1
Percent Moisture:	19.23	Preparation Dilution:	1.00

CONSTITUENT	LAB #	RESULT	UNIT	DATA QUALIFIER (1)
Ethylbenzene	100-41-4	<6.2	6.2	
m,p-Xylene	136777-61-2	<6.2	6.2	
o-Xylene	95-47-6	<6.2	6.2	
Styrene	100-42-5	<6.2	6.2	
Bromoform	75-25-2	<6.2	6.2	
Isopropylbenzene	98-82-8	<6.2	6.2	
1,1,2,2-Tetrachloroethane	79-34-5	<6.2	6.2	
1,2,3-Trichloropropane	96-18-4	<6.2	6.2	
n-Propylbenzene	103-65-1	<6.2	6.2	
Bromobenzene	108-86-1	<6.2	6.2	
1,3,5-Trimethylbenzene	108-67-8	<6.2	6.2	
2-Chlorotoluene	95-49-8	<6.2	6.2	
4-Chlorotoluene	106-43-4	<6.2	6.2	
tert-Butylbenzene	98-06-6	<6.2	6.2	
1,2,4-Trimethylbenzene	95-63-6	<6.2	6.2	
sec-Butylbenzene	135-98-8	<6.2	6.2	
p-Isopropyltoluene	99-87-6	<6.2	6.2	
1,3-Dichlorobenzene	541-73-1	<6.2	6.2	
1,4-Dichlorobenzene	106-46-7	<6.2	6.2	
n-Butylbenzene	104-51-8	<6.2	6.2	
1,2-Dichlorobenzene	95-50-1	<6.2	6.2	
1,2-Dibromo-3-chloropropane	96-12-8	<6.2	6.2	
1,2,4-Trichlorobenzene	120-82-1	<6.2	6.2	
Hexachlorobutadiene	87-68-3	<6.2	6.2	
Naphthalene	91-20-3	<6.2	6.2	
1,2,3-Trichlorobenzene	87-61-6	<6.2	6.2	



# AS LABORATORIES

VOLATILE ORGANICS BY GC/MS  
8260 VOLATILES

Client Sample ID:	97BPXLIC4SD02(08)	LAL Sample ID:	L8849-49
Date Collected:	15-FEB-97	Date Received:	19-FEB-97
Date Analyzed:	21-FEB-97	Analytical Dilution:	1
Matrix:	Soil	Analytical Batch ID:	022197-8260-D1
Percent Moisture:	23.85	Preparation Dilution:	1.00

SURROGATE	RECOVERY	REPORT NO.
1,2-Dichloroethane-d4	94%	77-127
Toluene-d8	98%	84-120
Bromofluorobenzene	85%	78-125

COMPOUND	CAS NO.	RESULT ug/kg	PCB ug/kg	DATE QUALIFIED BY
Dichlorodifluoromethane	75-71-8	<6.6	6.6	
Chloromethane	74-87-3	<6.6	6.6	
Vinyl Chloride	75-01-4	<6.6	6.6	
Bromomethane	74-83-9	<6.6	6.6	
Chloroethane	75-00-3	<6.6	6.6	
Trichlorofluoromethane	75-69-4	<6.6	6.6	
neon 113	76-13-1	<13.	13.	
acetone	67-64-1	25.	13.	
1,1-Dichloroethene	75-35-4	<6.6	6.6	
Carbon Disulfide	75-15-0	<6.6	6.6	
Methylene Chloride	75-09-2	<6.6	6.6	
trans-1,2-Dichloroethene	156-60-5	<6.6	6.6	
Vinyl Acetate	108-05-4	<13.	13.	
1,1-Dichloroethane	75-34-3	<6.6	6.6	
2-Butanone	78-93-3	<13.	13.	
2,2-Dichloropropane	594-20-7	<6.6	6.6	
cis-1,2-Dichloroethene	156-59-2	<6.6	6.6	
Chloroform	67-66-3	<6.6	6.6	
Bromochloromethane	74-97-5	<6.6	6.6	
1,1,1-Trichloroethane	71-55-6	<6.6	6.6	
2-Chloroethylvinylether	110-75-8	<26.	26.	
1,1-Dichloropropene	563-58-6	<6.6	6.6	
Carbon tetrachloride	56-23-5	<6.6	6.6	
1,2-Dichloroethane	107-06-2	<6.6	6.6	
Benzene	71-43-2	<6.6	6.6	
Trichloroethene	79-01-6	<6.6	6.6	
1,2-Dichloropropane	78-87-5	<6.6	6.6	
Bromodichloromethane	75-27-4	<6.6	6.6	
Dibromomethane	74-95-3	<6.6	6.6	
4-Methyl-2-Pentanone	108-10-1	<13.	13.	
cis-1,3-Dichloropropene	10061-01-5	<6.6	6.6	
Toluene	108-88-3	<6.6	6.6	
trans-1,3-Dichloropropene	10061-02-6	<6.6	6.6	
1,1,2-Trichloroethane	79-00-5	<6.6	6.6	
-Hexanone	591-78-6	<13.	13.	
,2-Dibromoethane	106-93-4	<6.6	6.6	
1,3-Dichloropropane	142-28-9	<6.6	6.6	
Tetrachloroethene	127-18-4	<6.6	6.6	
Dibromochloromethane	124-48-1	<6.6	6.6	
Chlorobenzene	108-90-7	<6.6	6.6	
1,1,1,2-Tetrachloroethane	630-20-6	<6.6	6.6	

# LAS LABORATORIES

VOLATILE ORGANICS BY GC/MS  
8260 VOLATILES

Client Sample ID:	97BPKLIC4SD02(08)	LAL Sample ID:	L8849-49
Date Collected:	15-FEB-97	Date Received:	19-FEB-97
Date Analyzed:	21-FEB-97	Analytical Dilution:	1
Matrix:	Soil	Analytical Batch ID:	022197-8260-D1
Percent Moisture:	23.85	Preparation Dilution:	1.00

CONCENTRATION	ORG. NO.	RESULT	PPM	DATA QUALIFIER (S)
Ethylbenzene	100-41-4	<6.6	6.6	
m,p-Xylene	136777-61-2	<6.6	6.6	
o-Xylene	95-47-6	<6.6	6.6	
Styrene	100-42-5	<6.6	6.6	
Bromoform	75-25-2	<6.6	6.6	
Isopropylbenzene	98-82-8	<6.6	6.6	
1,1,2,2-Tetrachloroethane	79-34-5	<6.6	6.6	
1,2,3-Trichloropropane	96-18-4	<6.6	6.6	
n-Propylbenzene	103-65-1	<6.6	6.6	
Bromobenzene	108-86-1	<6.6	6.6	
1,3,5-Trimethylbenzene	108-67-8	<6.6	6.6	
2-Chlorotoluene	95-49-8	<6.6	6.6	
4-Chlorotoluene	106-43-4	<6.6	6.6	
tert-Butylbenzene	98-06-6	<6.6	6.6	
1,2,4-Trimethylbenzene	95-63-6	<6.6	6.6	
sec-Butylbenzene	135-98-8	<6.6	6.6	
p-Isopropyltoluene	99-87-6	<6.6	6.6	
1,3-Dichlorobenzene	541-73-1	<6.6	6.6	
1,4-Dichlorobenzene	106-46-7	<6.6	6.6	
n-Butylbenzene	104-51-8	<6.6	6.6	
1,2-Dichlorobenzene	95-50-1	<6.6	6.6	
1,2-Dibromo-3-chloropropane	96-12-8	<6.6	6.6	
1,2,4-Trichlorobenzene	120-82-1	<6.6	6.6	
Hexachlorobutadiene	87-68-3	<6.6	6.6	
Naphthalene	91-20-3	<6.6	6.6	
1,2,3-Trichlorobenzene	87-61-6	<6.6	6.6	

# AS LABORATORIES

VOLATILE ORGANICS BY GC/MS  
8260 VOLATILES

Client Sample ID:	97BPXLIA4SD02(08)	LAL Sample ID:	L8849-56
Date Collected:	16-FEB-97	Date Received:	19-FEB-97
Date Analyzed:	22-FEB-97	Analytical Dilution:	1
Matrix:	Soil	Analytical Batch ID:	022197-8260-D1
Percent Moisture:	18.66	Preparation Dilution:	0.990

CONCENTRATION	RECOVERY	COEFFICIENT
1,2-Dichloroethane-d4	97%	77-127
Toluene-d8	96%	84-120
Bromofluorobenzene	83%	78-125

CONSTITUENT	CAS NO	REPLY ng/kg	QTY ng/kg	DATE QUALIFIED (YY)
Dichlorodifluoromethane	75-71-8	<6.1	6.1	
Chloromethane	74-87-3	<6.1	6.1	
Vinyl Chloride	75-01-4	<6.1	6.1	
Bromomethane	74-83-9	<6.1	6.1	
Chloroethane	75-00-3	<6.1	6.1	
Trichlorofluoromethane	75-69-4	<6.1	6.1	
Freon 113	76-13-1	<12.	12.	
Acetone	67-64-1	<12.	12.	
1,1-Dichloroethene	75-35-4	<6.1	6.1	
Carbon Disulfide	75-15-0	<6.1	6.1	
Methylene Chloride	75-09-2	<6.1	6.1	
trans-1,2-Dichloroethene	156-60-5	<6.1	6.1	
Vinyl Acetate	108-05-4	<12.	12.	
1,1-Dichloroethane	75-34-3	<6.1	6.1	
2-Butanone	78-93-3	<12.	12.	
2,2-Dichloropropane	594-20-7	<6.1	6.1	
cis-1,2-Dichloroethene	156-59-2	<6.1	6.1	
Chloroform	67-66-3	<6.1	6.1	
Bromochloromethane	74-97-5	<6.1	6.1	
1,1,1-Trichloroethane	71-55-6	<6.1	6.1	
2-Chloroethylvinylether	110-75-8	<24.	24.	
1,1-Dichloropropene	563-58-6	<6.1	6.1	
Carbon tetrachloride	56-23-5	<6.1	6.1	
1,2-Dichloroethane	107-06-2	<6.1	6.1	
Benzene	71-43-2	<6.1	6.1	
Trichloroethene	79-01-6	<6.1	6.1	
1,2-Dichloropropane	78-87-5	<6.1	6.1	
Bromodichloromethane	75-27-4	<6.1	6.1	
Dibromomethane	74-95-3	<6.1	6.1	
4-Methyl-2-Pentanone	108-10-1	<12.	12.	
cis-1,3-Dichloropropene	10061-01-5	<6.1	6.1	
Toluene	108-88-3	<6.1	6.1	
trans-1,3-Dichloropropene	10061-02-6	<6.1	6.1	
1,1,2-Trichloroethane	79-00-5	<6.1	6.1	
?-Hexanone	591-78-6	<12.	12.	
1,2-Dibromoethane	106-93-4	<6.1	6.1	
1,3-Dichloropropane	142-28-9	<6.1	6.1	
Tetrachloroethene	127-18-4	<6.1	6.1	
Dibromochloromethane	124-48-1	<6.1	6.1	
Chlorobenzene	108-90-7	<6.1	6.1	
1,1,1,2-Tetrachloroethane	630-20-6	<6.1	6.1	

# LAS LABORATORIES

VOLATILE ORGANICS BY GC/MS  
8260 VOLATILES

Client Sample ID:	97BPXLIA4SD02(08)	LAL Sample ID:	L8849-56
Date Collected:	16-FEB-97	Date Received:	19-FEB-97
Date Analyzed:	22-FEB-97	Analytical Dilution:	1
Matrix:	Soil	Analytical Batch ID:	022197-8260-D1
Percent Moisture:	18.66	Preparation Dilution:	0.990

COMPOUND	CONC. (PPM)	RESULT	PPM	DATA QUALIFIER (S)
Ethylbenzene	100-41-4	<6.1	6.1	
m,p-Xylene	136777-61-2	<6.1	6.1	
o-Xylene	95-47-6	<6.1	6.1	
Styrene	100-42-5	<6.1	6.1	
Bromoform	75-25-2	<6.1	6.1	
Isopropylbenzene	98-82-8	<6.1	6.1	
1,1,2,2-Tetrachloroethane	79-34-5	<6.1	6.1	
1,2,3-Trichloropropane	96-18-4	<6.1	6.1	
n-Propylbenzene	103-65-1	<6.1	6.1	
Bromobenzene	108-86-1	<6.1	6.1	
1,3,5-Trimethylbenzene	108-67-8	<6.1	6.1	
2-Chlorotoluene	95-49-8	<6.1	6.1	
4-Chlorotoluene	106-43-4	<6.1	6.1	
tert-Butylbenzene	98-06-6	<6.1	6.1	
1,2,4-Trimethylbenzene	95-63-6	<6.1	6.1	
sec-Butylbenzene	135-98-8	<6.1	6.1	
p-Isopropyltoluene	99-87-6	<6.1	6.1	
1,3-Dichlorobenzene	541-73-1	<6.1	6.1	
1,4-Dichlorobenzene	106-46-7	<6.1	6.1	
n-Butylbenzene	104-51-8	<6.1	6.1	
1,2-Dichlorobenzene	95-50-1	<6.1	6.1	
1,2-Dibromo-3-chloropropane	96-12-8	<6.1	6.1	
1,2,4-Trichlorobenzene	120-82-1	<6.1	6.1	
Hexachlorobutadiene	87-68-3	<6.1	6.1	
Naphthalene	91-20-3	<6.1	6.1	
1,2,3-Trichlorobenzene	87-61-6	<6.1	6.1	

# VAS LABORATORIES

PIKED SAMPLE RESULT  
VOLATILE ORGANICS BY GC/MS

Client Sample ID:	Lab Ctrl Sample	LAL Sample ID:	45925LCS
Date Collected:	N/A	Date Received:	N/A
Date Analyzed:	21-FEB-97	Analytical Dilution:	1
Percent Moisture:	N/A	Analytical Batch ID:	022197-8260-D1
		Preparation Dilution:	0.990

RECOVERY	RECOVERY	GC INJECTION
1,2-Dichloroethane-d4	95%	77-127
Toluene-d8	101%	84-120
Bromofluorobenzene	100%	78-125

CONSTITUENT	GC INJ.	RESULT ug/kg	REL. ug/kg	DATA QUALITY (1-5)
Dichlorodifluoromethane	75-71-8	65.	5.0	
Chloromethane	74-87-3	58.	5.0	
Vinyl Chloride	75-01-4	60.	5.0	
Bromomethane	74-83-9	55.	5.0	
Chloroethane	75-00-3	60.	5.0	
Trichlorofluoromethane	75-69-4	47.	5.0	
Neon 113	76-13-1	41.	9.9	
Acetone	67-64-1	140	9.9	
1,1-Dichloroethene	75-35-4	52.	5.0	
Carbon Disulfide	75-15-0	42.	5.0	
Methylene Chloride	75-09-2	54.	5.0	
trans-1,2-Dichloroethene	156-60-5	50.	5.0	
Vinyl Acetate	108-05-4	34.	9.9	
1,1-Dichloroethane	75-34-3	57.	5.0	
2-Butanone	78-93-3	54.	9.9	
2,2-Dichloropropane	594-20-7	52.	5.0	
cis-1,2-Dichloroethene	156-59-2	60.	5.0	
Chloroform	67-66-3	56.	5.0	
Bromochloromethane	74-97-5	56.	5.0	
1,1,1-Trichloroethane	71-55-6	54.	5.0	
2-Chloroethylvinylether	110-75-8	240	20.	
1,1-Dichloropropene	563-58-6	49.	5.0	
Carbon tetrachloride	56-23-5	47.	5.0	
1,2-Dichloroethane	107-06-2	48.	5.0	
Benzene	71-43-2	54.	5.0	
Trichloroethene	79-01-6	62.	5.0	
1,2-Dichloropropane	78-87-5	54.	5.0	
Bromodichloromethane	75-27-4	51.	5.0	
Dibromomethane	74-95-3	51.	5.0	
4-Methyl-2-Pentanone	108-10-1	45.	9.9	
cis-1,3-Dichloropropene	10061-01-5	50.	5.0	
Toluene	108-88-3	54.	5.0	
trans-1,3-Dichloropropene	10061-02-6	50.	5.0	
1,1,2-Trichloroethane	79-00-5	54.	5.0	
2-Hexanone	591-78-6	54.	9.9	
1,2-Dibromoethane	106-93-4	52.	5.0	
1,3-Dichloropropene	142-28-9	50.	5.0	
Tetrachloroethene	127-18-4	47.	5.0	
Dibromochloromethane	124-48-1	46.	5.0	
Chlorobenzene	108-90-7	49.	5.0	
1,1,1,2-Tetrachloroethane	630-20-6	48.	5.0	

# LAS LABORATORIES

SPIKED SAMPLE RESULT  
VOLATILE ORGANICS BY GC/MS

Client Sample ID:	Lab Ctrl Sample	LAL Sample ID:	45925LCS
Date Collected:	N/A	Date Received:	N/A
Date Analyzed:	21-FEB-97	Analytical Dilution:	1
Percent Moisture:	N/A	Analytical Batch ID:	022197-8260-D1
		Preparation Dilution:	0.990

COMPOUND	LAB ID	CONC. (PPM)	REC'D (PPM)	QUALIFIER
----------	--------	-------------	-------------	-----------

Ethylbenzene	100-41-4	52.	5.0
m,p-Xylene	136777-61-2	62.	5.0
o-Xylene	95-47-6	32.	5.0
Styrene	100-42-5	24.	5.0
Bromoform	75-25-2	43.	5.0
Isopropylbenzene	98-82-8	46.	5.0
1,1,2,2-Tetrachloroethane	79-34-5	30.	5.0
1,2,3-Trichloropropane	96-18-4	46.	5.0
n-Propylbenzene	103-65-1	47.	5.0
Bromobenzene	108-86-1	43.	5.0
1,3,5-Trimethylbenzene	108-67-8	47.	5.0
2-Chlorotoluene	95-49-8	42.	5.0
4-Chlorotoluene	106-43-4	43.	5.0
tert-Butylbenzene	98-06-6	52.	5.0
1,2,4-Trimethylbenzene	95-63-6	47.	5.0
sec-Butylbenzene	135-98-8	46.	5.0
p-Isopropyltoluene	99-87-6	47.	5.0
1,3-Dichlorobenzene	541-73-1	45.	5.0
1,4-Dichlorobenzene	106-46-7	44.	5.0
n-Butylbenzene	104-51-8	47.	5.0
1,2-Dichlorobenzene	95-50-1	44.	5.0
1,2-Dibromo-3-chloropropane	96-12-8	28.	5.0
1,2,4-Trichlorobenzene	120-82-1	44.	5.0
Hexachlorobutadiene	87-68-3	37.	5.0
Naphthalene	91-20-3	46.	5.0
1,2,3-Trichlorobenzene	87-61-6	43.	5.0

# AS LABORATORIES

VOLATILE ORGANICS BY GC/MS

Client Sample ID:	Method Blank	LAL Sample ID:	45925MB
Date Collected:	N/A	Date Received:	N/A
Date Analyzed:	21-FEB-97	Analytical Dilution:	1
Percent Moisture:	N/A	Analytical Batch ID:	022197-8260-D1
		Preparation Dilution:	1.00

Compound	Recovery	GC Limits
1,2-Dichloroethane-d4	97%	77-127
Toluene-d8	101%	84-120
Bromofluorobenzene	99%	78-125

Compound	Retention Time	Concentration (ng/kg)	Limit (ng/kg)	Qualifier
Dichlorodifluoromethane	75-71-8	<5.0	5.0	
Chloromethane	74-87-3	<5.0	5.0	
Vinyl Chloride	75-01-4	<5.0	5.0	
Bromomethane	74-83-9	<5.0	5.0	
Chloroethane	75-00-3	<5.0	5.0	
Trichlorofluoromethane	75-69-4	<5.0	5.0	
Freon 113	76-13-1	<10.	10.	
Acetone	67-64-1	<10.	10.	
1,1-Dichloroethene	75-35-4	<5.0	5.0	
Carbon Disulfide	75-15-0	<5.0	5.0	
Methylene Chloride	75-09-2	<5.0	5.0	
trans-1,2-Dichloroethene	156-60-5	<5.0	5.0	
Vinyl Acetate	108-05-4	<10.	10.	
1,1-Dichloroethane	75-34-3	<5.0	5.0	
2-Butanone	78-93-3	<10.	10.	
2,2-Dichloropropane	594-20-7	<5.0	5.0	
cis-1,2-Dichloroethene	156-59-2	<5.0	5.0	
Chloroform	67-66-3	<5.0	5.0	
Bromochloromethane	74-97-5	<5.0	5.0	
1,1,1-Trichloroethane	71-55-6	<5.0	5.0	
2-Chloroethylvinylether	110-75-8	<20.	20.	
1,1-Dichloropropene	563-58-6	<5.0	5.0	
Carbon tetrachloride	56-23-5	<5.0	5.0	
1,2-Dichloroethane	107-06-2	<5.0	5.0	
Benzene	71-43-2	<5.0	5.0	
Trichloroethene	79-01-6	<5.0	5.0	
1,2-Dichloropropane	78-87-5	<5.0	5.0	
Bromodichloromethane	75-27-4	<5.0	5.0	
Dibromomethane	74-95-3	<5.0	5.0	
4-Methyl-2-Pentanone	108-10-1	<10.	10.	
cis-1,3-Dichloropropene	10061-01-5	<5.0	5.0	
Toluene	108-88-3	<5.0	5.0	
trans-1,3-Dichloropropene	10061-02-6	<5.0	5.0	
1,1,2-Trichloroethane	79-00-5	<5.0	5.0	
2-Hexanone	591-78-6	<10.	10.	
2-Dibromoethane	106-93-4	<5.0	5.0	
1,3-Dichloropropane	142-28-9	<5.0	5.0	
Tetrachloroethene	127-18-4	<5.0	5.0	
Dibromochloromethane	124-48-1	<5.0	5.0	
Chlorobenzene	108-90-7	<5.0	5.0	
1,1,1,2-Tetrachloroethane	630-20-6	<5.0	5.0	

# LAS LABORATORIES

VOLATILE ORGANICS BY GC/MS

Client Sample ID: Method Blank  
Date Collected: N/A  
Date Analyzed: 21-FEB-97  
Percent Moisture: N/A

LAL Sample ID: 45925MB  
Date Received: N/A  
Analytical Dilution: 1  
Analytical Batch ID: 022197-8260-D1  
Preparation Dilution: 1.00

COMPONENT	LAB #	RESULT	UCL	QUALIFIER (S)
Ethylbenzene	100-41-4	<5.0	5.0	
m,p-Xylene	136777-61-2	<5.0	5.0	
o-Xylene	95-47-6	<5.0	5.0	
Styrene	100-42-5	<5.0	5.0	
Bromoform	75-25-2	<5.0	5.0	
Isopropylbenzene	98-82-8	<5.0	5.0	
1,1,2,2-Tetrachloroethane	79-34-5	<5.0	5.0	
1,2,3-Trichloropropane	96-18-4	<5.0	5.0	
n-Propylbenzene	103-65-1	<5.0	5.0	
Bromobenzene	108-86-1	<5.0	5.0	
1,3,5-Trimethylbenzene	108-67-8	<5.0	5.0	
2-Chlorotoluene	95-49-8	<5.0	5.0	
4-Chlorotoluene	106-43-4	<5.0	5.0	
tert-Butylbenzene	98-06-6	<5.0	5.0	
1,2,4-Trimethylbenzene	95-63-6	<5.0	5.0	
sec-Butylbenzene	135-98-8	<5.0	5.0	
p-Isopropyltoluene	99-87-6	<5.0	5.0	
1,3-Dichlorobenzene	541-73-1	<5.0	5.0	
1,4-Dichlorobenzene	106-46-7	<5.0	5.0	
n-Butylbenzene	104-51-8	<5.0	5.0	
1,2-Dichlorobenzene	95-50-1	<5.0	5.0	
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	5.0	
1,2,4-Trichlorobenzene	120-82-1	<5.0	5.0	
Hexachlorobutadiene	87-68-3	<5.0	5.0	
Naphthalene	91-20-3	<5.0	5.0	
1,2,3-Trichlorobenzene	87-61-6	<5.0	5.0	



# AS LABORATORIES

MS DATA SUMMARY  
VOLATILE ORGANICS BY GC/MS

Client Sample ID:	Lab Ctrl Sample	LAL Sample ID:	45925LCS
Date Collected:	N/A	Date Received:	N/A
Date Analyzed:	21-FEB-97	Analytical Dilution:	1
Percent Moisture:	N/A	Analytical Batch ID:	022197-8260-D1
		Preparation Dilution:	0.990

Spiked Sample	Recovery	QC Limits
1,2-Dichloroethane-d4	95%	77-127
Toluene-d8	101%	84-120
Bromofluorobenzene	100%	78-125

Constituent	Spike Added ug/kg	LCS Concentration ug/kg	LCS Recovery	QC Limits
1,1-Dichloroethene	49.5	51.8	105	54-138
Benzene	49.5	54.0	109	70-130
Trichloroethene	49.5	61.6	124	57-132
Toluene	49.5	54.3	110	71-129
Chlorobenzene	49.5	49.5	100	72-128

# LAS LABORATORIES

VOLATILE ORGANICS BY GC/MS  
8260 VOLATILES

Client Sample ID:	97BPXLI4SD01(01)	LAL Sample ID:	L8849-53
Date Collected:	16-FEB-97	Date Received:	19-FEB-97
Date Analyzed:	24-FEB-97	Analytical Dilution:	1
Matrix:	Soil	Analytical Batch ID:	022197-8260-D1
Percent Moisture:	17.13	Preparation Dilution:	0.980

CONSTITUENT	CAS NO	RESULT ug/g	FOR ug/g	DATA QUALIFIER(S)
Dichlorodifluoromethane	75-71-8	<5.9	5.9	
Chloromethane	74-87-3	<5.9	5.9	
Vinyl Chloride	75-01-4	<5.9	5.9	
Bromomethane	74-83-9	<5.9	5.9	
Chloroethane	75-00-3	<5.9	5.9	
Trichlorofluoromethane	75-69-4	<5.9	5.9	
Freon 113	76-13-1	<12.	12.	
Acetone	67-64-1	<12.	12.	
1,1-Dichloroethene	75-35-4	<5.9	5.9	
Carbon Disulfide	75-15-0	<5.9	5.9	
Methylene Chloride	75-09-2	<5.9	5.9	
trans-1,2-Dichloroethene	156-60-5	<5.9	5.9	
Vinyl Acetate	108-05-4	<12.	12.	
1,1-Dichloroethane	75-34-3	<5.9	5.9	
2-Butanone	78-93-3	<12.	12.	
2,2-Dichloropropane	594-20-7	<5.9	5.9	
cis-1,2-Dichloroethene	156-59-2	<5.9	5.9	
Chloroform	67-66-3	<5.9	5.9	
Bromochloromethane	74-97-5	<5.9	5.9	
1,1,1-Trichloroethane	71-55-6	<5.9	5.9	
2-Chloroethylvinylether	110-75-8	<24.	24.	
1,1-Dichloropropene	563-58-6	<5.9	5.9	
Carbon tetrachloride	56-23-5	<5.9	5.9	
1,2-Dichloroethane	107-06-2	<5.9	5.9	
Benzene	71-43-2	<5.9	5.9	
Trichloroethene	79-01-6	<5.9	5.9	
1,2-Dichloropropane	78-87-5	<5.9	5.9	
Bromodichloromethane	75-27-4	<5.9	5.9	
Dibromomethane	74-95-3	<5.9	5.9	
4-Methyl-2-Pentanone	108-10-1	<12.	12.	
cis-1,3-Dichloropropene	10061-01-5	<5.9	5.9	
Toluene	108-88-3	<5.9	5.9	
trans-1,3-Dichloropropene	10061-02-6	<5.9	5.9	
1,1,2-Trichloroethane	79-00-5	<5.9	5.9	
2-Hexanone	591-78-6	<12.	12.	
1,2-Dibromoethane	106-93-4	<5.9	5.9	
1,3-Dichloropropane	142-28-9	<5.9	5.9	
Tetrachloroethene	127-18-4	<5.9	5.9	
Dibromochloromethane	124-48-1	<5.9	5.9	
Chlorobenzene	108-90-7	<5.9	5.9	
1,1,1,2-Tetrachloroethane	630-20-6	<5.9	5.9	
Ethylbenzene	100-41-4	<5.9	5.9	
m,p-Xylene	136777-61-2	<5.9	5.9	
o-Xylene	95-47-6	<5.9	5.9	

# AS LABORATORIES

VOLATILE ORGANICS BY GC/MS  
8260 VOLATILES

Client Sample ID:	97BPXLIA4SD01(01)	LAL Sample ID:	L8849-53
Date Collected:	16-FEB-97	Date Received:	19-FEB-97
Date Analyzed:	24-FEB-97	Analytical Dilution:	1
Matrix:	Soil	Analytical Batch ID:	022197-8260-D1
Percent Moisture:	17.13	Preparation Dilution:	0.980

CONSTITUENT	CAS NO.	RESULTS ug/kg	REL ug/kg	DATA QUALIFIER(S)
Styrene	100-42-5	<5.9	5.9	
Bromoform	75-25-2	<5.9	5.9	
Isopropylbenzene	98-82-8	<5.9	5.9	
1,1,2,2-Tetrachloroethane	79-34-5	<5.9	5.9	
1,2,3-Trichloropropane	96-18-4	<5.9	5.9	
n-Propylbenzene	103-65-1	<5.9	5.9	
Bromobenzene	108-86-1	<5.9	5.9	
1,3,5-Trimethylbenzene	108-67-8	<5.9	5.9	
2-Chlorotoluene	95-49-8	<5.9	5.9	
4-Chlorotoluene	106-43-4	<5.9	5.9	
tert-Butylbenzene	98-06-6	<5.9	5.9	
1,2,4-Trimethylbenzene	95-63-6	<5.9	5.9	
sec-Butylbenzene	135-98-8	<5.9	5.9	
Isopropyltoluene	99-87-6	<5.9	5.9	
1,3-Dichlorobenzene	541-73-1	<5.9	5.9	
1,4-Dichlorobenzene	106-46-7	<5.9	5.9	
n-Butylbenzene	104-51-8	<5.9	5.9	
1,2-Dichlorobenzene	95-50-1	<5.9	5.9	
1,2-Dibromo-3-chloropropane	96-12-8	<5.9	5.9	
1,2,4-Trichlorobenzene	120-82-1	<5.9	5.9	
Hexachlorobutadiene	87-68-3	<5.9	5.9	
Naphthalene	91-20-3	<5.9	5.9	
1,2,3-Trichlorobenzene	87-61-6	<5.9	5.9	

# LAS LABORATORIES

VOLATILE ORGANICS BY GC/MS  
8260 VOLATILES

Client Sample ID:	97BPXLIA4SD01(01)	LAL Sample ID:	L8849-53
Date Collected:	16-FEB-97	Date Received:	19-FEB-97
Date Analyzed:	24-FEB-97	Analytical Dilution:	1
Matrix:	Soil	Analytical Batch ID:	022497-8260-D1
Percent Moisture:	17.13	Preparation Dilution:	0.980

SURROGATE	RECOVERY	CONCENTRATION
1,2-Dichloroethane-d4	96%	77-127
Toluene-d8	96%	84-120
Bromofluorobenzene	89%	78-125

CONSTITUENT	CAS NO.	RESULT ug/kg	FOR ug/kg	DATA QUANTITY PER G
Dichlorodifluoromethane	75-71-8	<5.9		5.9
Chloromethane	74-87-3	<5.9		5.9
Vinyl Chloride	75-01-4	<5.9		5.9
Bromomethane	74-83-9	<5.9		5.9
Chloroethane	75-00-3	<5.9		5.9
Trichlorofluoromethane	75-69-4	<5.9		5.9
Freon 113	76-13-1	<12.		12.
Acetone	67-64-1	30.		12.
1,1-Dichloroethene	75-35-4	<5.9		5.9
Carbon Disulfide	75-15-0	<5.9		5.9
Methylene Chloride	75-09-2	<5.9		5.9
trans-1,2-Dichloroethene	156-60-5	<5.9		5.9
Vinyl Acetate	108-05-4	<12.		12.
1,1-Dichloroethane	75-34-3	<5.9		5.9
2-Butanone	78-93-3	<12.		12.
2,2-Dichloropropane	594-20-7	<5.9		5.9
cis-1,2-Dichloroethene	156-59-2	<5.9		5.9
Chloroform	67-66-3	<5.9		5.9
Bromochloromethane	74-97-5	<5.9		5.9
1,1,1-Trichloroethane	71-55-6	<5.9		5.9
2-Chloroethylvinylether	110-75-8	<24.		24.
1,1-Dichloropropene	563-58-6	<5.9		5.9
Carbon tetrachloride	56-23-5	<5.9		5.9
1,2-Dichloroethane	107-06-2	<5.9		5.9
Benzene	71-43-2	<5.9		5.9
Trichloroethene	79-01-6	<5.9		5.9
1,2-Dichloropropane	78-87-5	<5.9		5.9
Bromodichloromethane	75-27-4	<5.9		5.9
Dibromomethane	74-95-3	<5.9		5.9
4-Methyl-2-Pentanone	108-10-1	<12.		12.
cis-1,3-Dichloropropene	10061-01-5	<5.9		5.9
Toluene	108-88-3	<5.9		5.9
trans-1,3-Dichloropropene	10061-02-6	<5.9		5.9
1,1,2-Trichloroethane	79-00-5	<5.9		5.9
2-Hexanone	591-78-6	<12.		12.
1,2-Dibromoethane	106-93-4	<5.9		5.9
1,3-Dichloropropane	142-28-9	<5.9		5.9
Tetrachloroethene	127-18-4	<5.9		5.9
Dibromochloromethane	124-48-1	<5.9		5.9
Chlorobenzene	108-90-7	<5.9		5.9
1,1,1,2-Tetrachloroethane	630-20-6	<5.9		5.9

# AS LABORATORIES

VOLATILE ORGANICS BY GC/MS  
8260 VOLATILES

Client Sample ID:	97BPXLIA4SD01(01)	LAL Sample ID:	L8849-53
Date Collected:	16-FEB-97	Date Received:	19-FEB-97
Date Analyzed:	24-FEB-97	Analytical Dilution:	1
Matrix:	Soil	Analytical Batch ID:	022497-8260-D1
Percent Moisture:	17.13	Preparation Dilution:	0.980

COMPOUND	CAS NO.	RESULT	CONC. ng/kg	DATA QUALIFIER(S)
Ethylbenzene	100-41-4	<5.9	5.9	
m,p-Xylene	136777-61-2	<5.9	5.9	
o-Xylene	95-47-6	<5.9	5.9	
Styrene	100-42-5	<5.9	5.9	
Bromoform	75-25-2	<5.9	5.9	
Isopropylbenzene	98-82-8	<5.9	5.9	
1,1,2,2-Tetrachloroethane	79-34-5	<5.9	5.9	
1,2,3-Trichloropropane	96-18-4	<5.9	5.9	
n-Propylbenzene	103-65-1	<5.9	5.9	
Bromobenzene	108-86-1	<5.9	5.9	
1,3,5-Trimethylbenzene	108-67-8	<5.9	5.9	
2-Chlorotoluene	95-49-8	<5.9	5.9	
o-Chlorotoluene	106-43-4	<5.9	5.9	
tert-Butylbenzene	98-06-6	<5.9	5.9	
1,2,4-Trimethylbenzene	95-63-6	<5.9	5.9	
sec-Butylbenzene	135-98-8	<5.9	5.9	
p-Isopropyltoluene	99-87-6	<5.9	5.9	
1,3-Dichlorobenzene	541-73-1	<5.9	5.9	
1,4-Dichlorobenzene	106-46-7	<5.9	5.9	
n-Butylbenzene	104-51-8	<5.9	5.9	
1,2-Dichlorobenzene	95-50-1	<5.9	5.9	
1,2-Dibromo-3-chloropropane	96-12-8	<5.9	5.9	
1,2,4-Trichlorobenzene	120-82-1	<5.9	5.9	
Hexachlorobutadiene	87-68-3	<5.9	5.9	
Naphthalene	91-20-3	<5.9	5.9	
1,2,3-Trichlorobenzene	87-61-6	<5.9	5.9	

# LAS LABORATORIES

VOLATILE ORGANICS BY GC/MS  
8260 VOLATILES

Client Sample ID: 97HPXLIA6SD01(01)	LAL Sample ID: L8849-60
Date Collected: 16-FEB-97	Date Received: 19-FEB-97
Date Analyzed: 22-FEB-97	Analytical Dilution: 1
Matrix: Soil	Analytical Batch ID: 022197-8260-D1
Percent Moisture: 42.88	Preparation Dilution: 0.980

SURROGATE	RECOVERY	GC RANGE
1,2-Dichloroethane-d4	100%	77-127
Toluene-d8	92%	84-120
Bromofluorobenzene	72% *	78-125

CONSTITUENT	CAS NO.	RESULT ug/kg	PCB ug/kg	DATA QUALIFIER(S)
Dichlorodifluoromethane	75-71-8	<8.6	8.6	
Chloromethane	74-87-3	<8.6	8.6	
Vinyl Chloride	75-01-4	<8.6	8.6	
Bromomethane	74-83-9	<8.6	8.6	
Chloroethane	75-00-3	<8.6	8.6	
Trichlorofluoromethane	75-69-4	<8.6	8.6	
Freon 113	76-13-1	<17.	17.	
Acetone	67-64-1	73.	17.	
1,1-Dichloroethene	75-35-4	<8.6	8.6	
Carbon Disulfide	75-15-0	<8.6	8.6	
Methylene Chloride	75-09-2	<8.6	8.6	
trans-1,2-Dichloroethene	156-60-5	<8.6	8.6	
Vinyl Acetate	108-05-4	<17.	17.	
1,1-Dichloroethane	75-34-3	<8.6	8.6	
2-Butanone	78-93-3	<17.	17.	
2,2-Dichloropropane	594-20-7	<8.6	8.6	
cis-1,2-Dichloroethene	156-59-2	<8.6	8.6	
Chloroform	67-66-3	<8.6	8.6	
Bromochloromethane	74-97-5	<8.6	8.6	
1,1,1-Trichloroethane	71-55-6	<8.6	8.6	
2-Chloroethylvinylether	110-75-8	<34.	34.	
1,1-Dichloropropene	563-58-6	<8.6	8.6	
Carbon tetrachloride	56-23-5	<8.6	8.6	
1,2-Dichloroethane	107-06-2	<8.6	8.6	
Benzene	71-43-2	<8.6	8.6	
Trichloroethene	79-01-6	<8.6	8.6	
1,2-Dichloropropane	78-87-5	<8.6	8.6	
Bromodichloromethane	75-27-4	<8.6	8.6	
Dibromomethane	74-95-3	<8.6	8.6	
4-Methyl-2-Pentanone	108-10-1	<17.	17.	
cis-1,3-Dichloropropene	10061-01-5	<8.6	8.6	
Toluene	108-88-3	<8.6	8.6	
trans-1,3-Dichloropropene	10061-02-6	<8.6	8.6	
1,1,2-Trichloroethane	79-00-5	<8.6	8.6	
2-Hexanone	591-78-6	<17.	17.	
1,2-Dibromoethane	106-93-4	<8.6	8.6	
1,3-Dichloropropane	142-28-9	<8.6	8.6	
Tetrachloroethene	127-18-4	<8.6	8.6	
Dibromochloromethane	124-48-1	<8.6	8.6	
Chlorobenzene	108-90-7	<8.6	8.6	
1,1,1,2-Tetrachloroethane	630-20-6	<8.6	8.6	

# AS LABORATORIES

VOLATILE ORGANICS BY GC/MS  
8260 VOLATILES

Client Sample ID:	97BPXLIA6SD01(01)	LAL Sample ID:	L8849-60
Date Collected:	16-FEB-97	Date Received:	19-FEB-97
Date Analyzed:	22-FEB-97	Analytical Dilution:	1
Matrix:	Soil	Analytical Batch ID:	022197-8260-D1
Percent Moisture:	42.88	Preparation Dilution:	0.980

CONCENTRATION	CAS NO.	RESULT mg/kg	TOX mg/kg	DATA QUALIFIER (S)
Ethylbenzene	100-41-4	<8.6	8.6	
m,p-Xylene	136777-61-2	<8.6	8.6	
o-Xylene	95-47-6	<8.6	8.6	
Styrene	100-42-5	<8.6	8.6	
Bromoform	75-25-2	<8.6	8.6	
Isopropylbenzene	98-82-8	<8.6	8.6	
1,1,2,2-Tetrachloroethane	79-34-5	<8.6	8.6	
1,2,3-Trichloropropane	96-18-4	<8.6	8.6	
n-Propylbenzene	103-65-1	<8.6	8.6	
Bromobenzene	108-86-1	<8.6	8.6	
1,3,5-Trimethylbenzene	108-67-8	<8.6	8.6	
2-Chlorotoluene	95-49-8	<8.6	8.6	
-Chlorotoluene	106-43-4	<8.6	8.6	
tert-Butylbenzene	98-06-6	<8.6	8.6	
1,2,4-Trimethylbenzene	95-63-6	<8.6	8.6	
sec-Butylbenzene	135-98-8	<8.6	8.6	
p-Isopropyltoluene	99-87-6	<8.6	8.6	
1,3-Dichlorobenzene	541-73-1	<8.6	8.6	
1,4-Dichlorobenzene	106-46-7	<8.6	8.6	
n-Butylbenzene	104-51-8	<8.6	8.6	
1,2-Dichlorobenzene	95-50-1	<8.6	8.6	
1,2-Dibromo-3-chloropropane	96-12-8	<8.6	8.6	
1,2,4-Trichlorobenzene	120-82-1	<8.6	8.6	
Hexachlorobutadiene	87-68-3	<8.6	8.6	
Naphthalene	91-20-3	<8.6	8.6	
1,2,3-Trichlorobenzene	87-61-6	<8.6	8.6	

# LAS LABORATORIES

VOLATILE ORGANICS BY GC/MS  
8260 VOLATILES

Client Sample ID: 97BPXLIA6SD01(01)	LAL Sample ID: L8849-60
Date Collected: 16-FEB-97	Date Received: 19-FEB-97
Date Analyzed: 24-FEB-97	Analytical Dilution: 1
Matrix: Soil	Analytical Batch ID: 022497-8260-D1
Percent Moisture: 42.88	Preparation Dilution: 0.980

COMPOUND	RECOVERY	CONCENTRATION
1,2-Dichloroethane-d4	96%	77-127
Toluene-d8	94%	84-120
Bromofluorobenzene	78%	78-125

COMPOUND	CONC. (ug)	RESULT (ug/kg)	LOL (ug/kg)	DATA QUALITY (1-6)
Dichlorodifluoromethane	75-71-8	<8.6	8.6	
Chloromethane	74-87-3	<8.6	8.6	
Vinyl Chloride	75-01-4	<8.6	8.6	
Bromomethane	74-83-9	<8.6	8.6	
Chloroethane	75-00-3	<8.6	8.6	
Trichlorofluoromethane	75-69-4	<8.6	8.6	
Freon 113	76-13-1	<17.	17.	
Acetone	67-64-1	53.	17.	
1,1-Dichloroethane	75-35-4	<8.6	8.6	
Carbon Disulfide	75-15-0	<8.6	8.6	
Methylene Chloride	75-09-2	<8.6	8.6	
trans-1,2-Dichloroethene	156-60-5	<8.6	8.6	
Vinyl Acetate	108-05-4	<17.	17.	
1,1-Dichloroethane	75-34-3	<8.6	8.6	
2-Butanone	78-93-3	<17.	17.	
2,2-Dichloropropane	594-20-7	<8.6	8.6	
cis-1,2-Dichloroethene	156-59-2	<8.6	8.6	
Chloroform	67-66-3	<8.6	8.6	
Bromo-chloromethane	74-97-5	<8.6	8.6	
1,1,1-Trichloroethane	71-55-6	<8.6	8.6	
2-Chloroethylvinylether	110-75-8	<34.	34.	
1,1-Dichloropropene	563-58-6	<8.6	8.6	
Carbon tetrachloride	56-23-5	<8.6	8.6	
1,2-Dichloroethane	107-06-2	<8.6	8.6	
Benzene	71-43-2	<8.6	8.6	
Trichloroethene	79-01-6	<8.6	8.6	
1,2-Dichloropropane	78-87-5	<8.6	8.6	
Bromodichloromethane	75-27-4	<8.6	8.6	
Dibromomethane	74-95-3	<8.6	8.6	
4-Methyl-2-Pentanone	108-10-1	<17.	17.	
cis-1,3-Dichloropropene	10061-01-5	<8.6	8.6	
Toluene	108-88-3	<8.6	8.6	
trans-1,3-Dichloropropene	10061-02-6	<8.6	8.6	
1,1,2-Trichloroethane	79-00-5	<8.6	8.6	
2-Hexanone	591-78-6	<17.	17.	
1,2-Dibromoethane	106-93-4	<8.6	8.6	
1,3-Dichloropropane	142-28-9	<8.6	8.6	
Tetrachloroethene	127-18-4	<8.6	8.6	
Dibromochloromethane	124-48-1	<8.6	8.6	
Chlorobenzene	108-90-7	<8.6	8.6	
1,1,1,2-Tetrachloroethane	630-20-6	<8.6	8.6	



# LAS LABORATORIES

VOLATILE ORGANICS BY GC/MS  
8260 VOLATILES

Client Sample ID:	97BPXLIA6SD01(01)	LAL Sample ID:	L8849-60
Date Collected:	16-FEB-97	Date Received:	19-FEB-97
Date Analyzed:	24-FEB-97	Analytical Dilution:	1
Matrix:	Soil	Analytical Batch ID:	022497-8260-D1
Percent Moisture:	42.88	Preparation Dilution:	0.980

CONCENTRATION	CV#	RESULT	PPM	DATA QUALITY INDEX
		ug/kg	ug/kg	
Ethylbenzene	100-41-4	<8.6	8.6	
m,p-Xylene	136777-61-2	<8.6	8.6	
o-Xylene	95-47-6	<8.6	8.6	
Styrene	100-42-5	<8.6	8.6	
Bromoform	75-25-2	<8.6	8.6	
Isopropylbenzene	98-82-8	<8.6	8.6	
1,1,2,2-Tetrachloroethane	79-34-5	<8.6	8.6	
1,2,3-Trichloropropane	96-18-4	<8.6	8.6	
n-Propylbenzene	103-65-1	<8.6	8.6	
Bromobenzene	108-86-1	<8.6	8.6	
1,3,5-Trimethylbenzene	108-67-8	<8.6	8.6	
2-Chlorotoluene	95-49-8	<8.6	8.6	
o-Chlorotoluene	106-43-4	<8.6	8.6	
tert-Butylbenzene	98-06-6	<8.6	8.6	
1,2,4-Trimethylbenzene	95-63-6	<8.6	8.6	
sec-Butylbenzene	135-98-8	<8.6	8.6	
p-Isopropyltoluene	99-87-6	<8.6	8.6	
1,3-Dichlorobenzene	541-73-1	<8.6	8.6	
1,4-Dichlorobenzene	106-46-7	<8.6	8.6	
n-Butylbenzene	104-51-8	<8.6	8.6	
1,2-Dichlorobenzene	95-50-1	<8.6	8.6	
1,2-Dibromo-3-chloropropane	96-12-8	<8.6	8.6	
1,2,4-Trichlorobenzene	120-82-1	<8.6	8.6	
Hexachlorobutadiene	87-68-3	<8.6	8.6	
Naphthalene	91-20-3	<8.6	8.6	
1,2,3-Trichlorobenzene	87-61-6	<8.6	8.6	

# LAS LABORATORIES

VOLATILE ORGANICS BY GC/MS  
8260 VOLATILES

Client Sample ID:	97BPXLIA6SD02(08)	LAL Sample ID:	L8849-64
Date Collected:	16-FEB-97	Date Received:	19-FEB-97
Date Analyzed:	22-FEB-97	Analytical Dilution:	1
Matrix:	Soil	Analytical Batch ID:	O22197-8260-D1
Percent Moisture:	28.62	Preparation Dilution:	1.00

SUBSTITUTE	SECURITY	DATE
1,2-Dichloroethane-d4	102%	77-127
Toluene-d8	86%	84-120
Bromofluorobenzene	71% *	78-125

CONSTITUENT	CAS NO.	RESULT ug/kg	UCL ug/kg	DATA QUALIFIED (Y)
Dichlorodifluoromethane	75-71-8	<7.0	7.0	
Chloromethane	74-87-3	<7.0	7.0	
Vinyl Chloride	75-01-4	<7.0	7.0	
Bromomethane	74-83-9	<7.0	7.0	
Chloroethane	75-00-3	<7.0	7.0	
Trichlorofluoromethane	75-69-4	<7.0	7.0	
Freon 113	76-13-1	<14.	14.	
Acetone	67-64-1	280	14.	
1,1-Dichloroethene	75-35-4	<7.0	7.0	
Carbon Disulfide	75-15-0	20.	7.0	
Methylene Chloride	75-09-2	<7.0	7.0	
trans-1,2-Dichloroethene	156-60-5	<7.0	7.0	
Vinyl Acetate	108-05-4	<14.	14.	
1,1-Dichloroethane	75-34-3	<7.0	7.0	
2-Butanone	78-93-3	61.	14.	
2,2-Dichloropropane	594-20-7	<7.0	7.0	
cis-1,2-Dichloroethene	156-59-2	<7.0	7.0	
Chloroform	67-66-3	<7.0	7.0	
Bromochloromethane	74-97-5	<7.0	7.0	
1,1,1-Trichloroethane	71-55-6	<7.0	7.0	
2-Chloroethylvinylether	110-75-8	<28.	28.	
1,1-Dichloropropene	563-58-6	<7.0	7.0	
Carbon tetrachloride	56-23-5	<7.0	7.0	
1,2-Dichloroethane	107-06-2	<7.0	7.0	
Benzene	71-43-2	<7.0	7.0	
Trichloroethene	79-01-6	<7.0	7.0	
1,2-Dichloropropane	78-87-5	<7.0	7.0	
Bromodichloromethane	75-27-4	<7.0	7.0	
Dibromomethane	74-95-3	<7.0	7.0	
4-Methyl-2-Pentanone	108-10-1	<14.	14.	
cis-1,3-Dichloropropene	10061-01-5	<7.0	7.0	
Toluene	108-88-3	<7.0	7.0	
trans-1,3-Dichloropropene	10061-02-6	<7.0	7.0	
1,1,2-Trichloroethane	79-00-5	<7.0	7.0	
2-Hexanone	591-78-6	<14.	14.	
1,2-Dibromoethane	106-93-4	<7.0	7.0	
1,3-Dichloropropane	142-28-9	<7.0	7.0	
Tetrachloroethene	127-18-4	<7.0	7.0	
Dibromochloromethane	124-48-1	<7.0	7.0	
Chlorobenzene	108-90-7	<7.0	7.0	
1,1,1,2-Tetrachloroethane	630-20-6	<7.0	7.0	

# AS LABORATORIES

VOLATILE ORGANICS BY GC/MS  
8260 VOLATILES

Client Sample ID:	97BPXLIA6SD02(08)	LAL Sample ID:	L8849-64
Date Collected:	16-FEB-97	Date Received:	19-FEB-97
Date Analyzed:	22-FEB-97	Analytical Dilution:	1
Matrix:	Soil	Analytical Batch ID:	022197-8260-D1
Percent Moisture:	28.62	Preparation Dilution:	1.00

CONCENTRATION	CAS NO.	UNIT	PPM	DATA QUALITY (S)
Ethylbenzene	100-41-4	mg/kg	<7.0	7.0
m,p-Xylene	136777-61-2	mg/kg	<7.0	7.0
o-Xylene	95-47-6	mg/kg	<7.0	7.0
Styrene	100-42-5	mg/kg	<7.0	7.0
Bromoform	75-25-2	mg/kg	<7.0	7.0
Isopropylbenzene	98-82-8	mg/kg	<7.0	7.0
1,1,2,2-Tetrachloroethane	79-34-5	mg/kg	<7.0	7.0
1,2,3-Trichloropropane	96-18-4	mg/kg	<7.0	7.0
n-Propylbenzene	103-65-1	mg/kg	<7.0	7.0
Bromobenzene	108-86-1	mg/kg	<7.0	7.0
1,3,5-Trimethylbenzene	108-67-8	mg/kg	<7.0	7.0
2-Chlorotoluene	95-49-8	mg/kg	<7.0	7.0
o-Chlorotoluene	106-43-4	mg/kg	<7.0	7.0
tert-Butylbenzene	98-06-6	mg/kg	<7.0	7.0
1,2,4-Trimethylbenzene	95-63-6	mg/kg	<7.0	7.0
sec-Butylbenzene	135-98-8	mg/kg	<7.0	7.0
p-Isopropyltoluene	99-87-6	mg/kg	<7.0	7.0
1,3-Dichlorobenzene	541-73-1	mg/kg	<7.0	7.0
1,4-Dichlorobenzene	106-46-7	mg/kg	<7.0	7.0
n-Butylbenzene	104-51-8	mg/kg	<7.0	7.0
1,2-Dichlorobenzene	95-50-1	mg/kg	<7.0	7.0
1,2-Dibromo-3-chloropropane	96-12-8	mg/kg	<7.0	7.0
1,2,4-Trichlorobenzene	120-82-1	mg/kg	<7.0	7.0
Hexachlorobutadiene	87-68-3	mg/kg	<7.0	7.0
Naphthalene	91-20-3	mg/kg	<7.0	7.0
1,2,3-Trichlorobenzene	87-61-6	mg/kg	<7.0	7.0

# LAS LABORATORIES

VOLATILE ORGANICS BY GC/MS  
8260 VOLATILES

Client Sample ID:	97BPXLIA6SD02(08)	LAL Sample ID:	L8849-64
Date Collected:	16-FEB-97	Date Received:	19-FEB-97
Date Analyzed:	24-FEB-97	Analytical Dilution:	1
Matrix:	Soil	Analytical Batch ID:	022497-8260-D1
Percent Moisture:	28.62	Preparation Dilution:	0.980

CONCENTRATION	RECOVERY	GC RANGE
1,2-Dichloroethane-d4	98%	77-127
Toluene-d8	95%	84-120
Bromofluorobenzene	81%	78-125

CONSTITUENT	CAS NO	RECOVERY %/kg	POS %/kg	DATA QUALITY INDEX
Dichlorodifluoromethane	75-71-8	<6.9	6.9	
Chloromethane	74-87-3	<6.9	6.9	
Vinyl Chloride	75-01-4	<6.9	6.9	
Bromomethane	74-83-9	<6.9	6.9	
Chloroethane	75-00-3	<6.9	6.9	
Trichlorofluoromethane	75-69-4	<6.9	6.9	
Freon 113	76-13-1	<14.	14.	
Acetone	67-64-1	320	14.	I
1,1-Dichloroethene	75-35-4	<6.9	6.9	
Carbon Disulfide	75-15-0	14.	6.9	
Methylene Chloride	75-09-2	<6.9	6.9	
trans-1,2-Dichloroethene	156-60-5	<6.9	6.9	
Vinyl Acetate	108-05-4	<14.	14.	
1,1-Dichloroethane	75-34-3	<6.9	6.9	
2-Butanone	78-93-3	71.	14.	
2,2-Dichloropropane	594-20-7	<6.9	6.9	
cis-1,2-Dichloroethene	156-59-2	<6.9	6.9	
Chloroform	67-66-3	<6.9	6.9	
Bromochloromethane	74-97-5	<6.9	6.9	
1,1,1-Trichloroethane	71-55-6	<6.9	6.9	
2-Chloroethylvinylether	110-75-8	<27.	27.	
1,1-Dichloropropene	563-58-6	<6.9	6.9	
Carbon tetrachloride	56-23-5	<6.9	6.9	
1,2-Dichloroethane	107-06-2	<6.9	6.9	
Benzene	71-43-2	<6.9	6.9	
Trichloroethene	79-01-6	<6.9	6.9	
1,2-Dichloropropane	78-87-5	<6.9	6.9	
Bromodichloromethane	75-27-4	<6.9	6.9	
Dibromomethane	74-95-3	<6.9	6.9	
4-Methyl-2-Pentanone	108-10-1	<14.	14.	
cis-1,3-Dichloropropene	10061-01-5	<6.9	6.9	
Toluene	108-88-3	<6.9	6.9	
trans-1,3-Dichloropropene	10061-02-6	<6.9	6.9	
1,1,2-Trichloroethane	79-00-5	<6.9	6.9	
2-Hexanone	591-78-6	<14.	14.	
1,2-Dibromoethane	106-93-4	<6.9	6.9	
1,3-Dichloropropane	142-28-9	<6.9	6.9	
Tetrachloroethene	127-18-4	<6.9	6.9	
Dibromochloromethane	124-48-1	<6.9	6.9	
Chlorobenzene	108-90-7	<6.9	6.9	
1,1,1,2-Tetrachloroethane	630-20-6	<6.9	6.9	

# AS LABORATORIES

VOLATILE ORGANICS BY GC/MS  
8260 VOLATILES

Client Sample ID:	97BPXLIA6SD02(08)	LAL Sample ID:	L8849-64
Date Collected:	16-FEB-97	Date Received:	19-FEB-97
Date Analyzed:	24-FEB-97	Analytical Dilution:	1
Matrix:	Soil	Analytical Batch ID:	O22497-8260-D1
Percent Moisture:	28.62	Preparation Dilution:	0.980

COMPOUNDS	CAS NO	RESULT	PPM	DATA QUALIFIER(S)
		MS/MS	MS/MS	
Ethylbenzene	100-41-4	<6.9	6.9	
m,p-Xylene	136777-61-2	<6.9	6.9	
o-Xylene	95-47-6	<6.9	6.9	
Styrene	100-42-5	<6.9	6.9	
Bromoform	75-25-2	<6.9	6.9	
Isopropylbenzene	98-82-8	<6.9	6.9	
1,1,2,2-Tetrachloroethane	79-34-5	<6.9	6.9	
1,2,3-Trichloropropane	96-18-4	<6.9	6.9	
n-Propylbenzene	103-65-1	<6.9	6.9	
Bromobenzene	108-86-1	<6.9	6.9	
1,3,5-Trimethylbenzene	108-67-8	<6.9	6.9	
2-Chlorotoluene	95-49-8	<6.9	6.9	
-Chlorotoluene	106-43-4	<6.9	6.9	
art-Butylbenzene	98-06-6	<6.9	6.9	
1,2,4-Trimethylbenzene	95-63-6	<6.9	6.9	
sec-Butylbenzene	135-98-8	<6.9	6.9	
p-Isopropyltoluene	99-87-6	<6.9	6.9	
1,3-Dichlorobenzene	541-73-1	<6.9	6.9	
1,4-Dichlorobenzene	106-46-7	<6.9	6.9	
n-Butylbenzene	104-51-8	<6.9	6.9	
1,2-Dichlorobenzene	95-50-1	<6.9	6.9	
1,2-Dibromo-3-chloropropane	96-12-8	<6.9	6.9	
1,2,4-Trichlorobenzene	120-82-1	<6.9	6.9	
Hexachlorobutadiene	87-68-3	<6.9	6.9	
Naphthalene	91-20-3	<6.9	6.9	
1,2,3-Trichlorobenzene	87-61-6	<6.9	6.9	

# LAS LABORATORIES

VOLATILE ORGANICS BY GC/MS  
8260 VOLATILES

Client Sample ID:	978PXLIA6SD62(08)	LAL Sample ID:	L8849-68
Date Collected:	16-FEB-97	Date Received:	19-FEB-97
Date Analyzed:	22-FEB-97	Analytical Dilution:	1
Matrix:	Soil	Analytical Batch ID:	022197-8260-D1
Percent Moisture:	32.07	Preparation Dilution:	0.990

COMPONENT	RECOVERY	GC RANGE
1,2-Dichloroethane-d4	105%	77-127
Toluene-d8	90%	84-120
Bromofluorobenzene	77% *	78-125

COMPONENT	CAN. NO.	RESULT ug/kg	POS. ug/kg	DATA QUALITY (1-5)
Dichlorodifluoromethane	75-71-8	<7.3	7.3	
Chloromethane	74-87-3	<7.3	7.3	
Vinyl Chloride	75-01-4	<7.3	7.3	
Bromomethane	74-83-9	<7.3	7.3	
Chloroethane	75-00-3	<7.3	7.3	
Trichlorofluoromethane	75-69-4	<7.3	7.3	
Freon 113	76-13-1	<15.	15.	
Acetone	67-64-1	230	15.	
1,1-Dichloroethene	75-35-4	<7.3	7.3	
Carbon Disulfide	75-15-0	17.	7.3	
Methylene Chloride	75-09-2	<7.3	7.3	
trans-1,2-Dichloroethene	156-60-5	<7.3	7.3	
Vinyl Acetate	108-05-4	<15.	15.	
1,1-Dichloroethane	75-34-3	<7.3	7.3	
2-Butanone	78-93-3	52.	15.	
2,2-Dichloropropane	594-20-7	<7.3	7.3	
cis-1,2-Dichloroethene	156-59-2	<7.3	7.3	
Chloroform	67-66-3	<7.3	7.3	
Bromochloromethane	74-97-5	<7.3	7.3	
1,1,1-Trichloroethane	71-55-6	<7.3	7.3	
2-Chloroethylvinylether	110-75-8	<29.	29.	
1,1-Dichloropropene	563-58-6	<7.3	7.3	
Carbon tetrachloride	56-23-5	<7.3	7.3	
1,2-Dichloroethane	107-06-2	<7.3	7.3	
Benzene	71-43-2	<7.3	7.3	
Trichloroethene	79-01-6	<7.3	7.3	
1,2-Dichloropropane	78-87-5	<7.3	7.3	
Bromodichloromethane	75-27-4	<7.3	7.3	
Dibromomethane	74-95-3	<7.3	7.3	
4-Methyl-2-Pentanone	108-10-1	<15.	15.	
cis-1,3-Dichloropropene	10061-01-5	<7.3	7.3	
Toluene	108-88-3	<7.3	7.3	
trans-1,3-Dichloropropene	10061-02-6	<7.3	7.3	
1,1,2-Trichloroethane	79-00-5	<7.3	7.3	
2-Hexanone	591-78-6	<15.	15.	
1,2-Dibromoethane	106-93-4	<7.3	7.3	
1,3-Dichloropropane	142-28-9	<7.3	7.3	
Tetrachloroethene	127-18-4	<7.3	7.3	
Dibromochloromethane	124-48-1	<7.3	7.3	
Chlorobenzene	108-90-7	<7.3	7.3	
1,1,1,2-Tetrachloroethane	630-20-6	<7.3	7.3	

# AS LABORATORIES

VOLATILE ORGANICS BY GC/MS  
8260 VOLATILES

Client Sample ID:	97BPXLIA6SD62(08)	LAL Sample ID:	L8849-68
Date Collected:	16-FEB-97	Date Received:	19-FEB-97
Date Analyzed:	22-FEB-97	Analytical Dilution:	1
Matrix:	Soil	Analytical Batch ID:	022197-8260-D1
Percent Moisture:	32.07	Preparation Dilution:	0.990

CONCENTRATION	CONCENTRATION	CONCENTRATION	CONCENTRATION	DATA QUALITY FLAG
Ethylbenzene	100-41-4	<7.3	7.3	
m,p-Xylene	136777-61-2	<7.3	7.3	
o-Xylene	95-47-6	<7.3	7.3	
Styrene	100-42-5	<7.3	7.3	
Bromoform	75-25-2	<7.3	7.3	
Isopropylbenzene	98-82-8	<7.3	7.3	
1,1,2,2-Tetrachloroethane	79-34-5	<7.3	7.3	
1,2,3-Trichloropropane	96-18-4	<7.3	7.3	
n-Propylbenzene	103-65-1	<7.3	7.3	
Bromobenzene	108-86-1	<7.3	7.3	
1,3,5-Trimethylbenzene	108-67-8	<7.3	7.3	
2-Chlorotoluene	95-49-8	<7.3	7.3	
o-Chlorotoluene	106-43-4	<7.3	7.3	
tert-Butylbenzene	98-06-6	<7.3	7.3	
1,2,4-Trimethylbenzene	95-63-6	<7.3	7.3	
sec-Butylbenzene	135-98-8	<7.3	7.3	
p-Isopropyltoluene	99-87-6	<7.3	7.3	
1,3-Dichlorobenzene	541-73-1	<7.3	7.3	
1,4-Dichlorobenzene	106-46-7	<7.3	7.3	
n-Butylbenzene	104-51-8	<7.3	7.3	
1,2-Dichlorobenzene	95-50-1	<7.3	7.3	
1,2-Dibromo-3-chloropropane	96-12-8	<7.3	7.3	
1,2,4-Trichlorobenzene	120-82-1	<7.3	7.3	
Hexachlorobutadiene	87-68-3	<7.3	7.3	
Naphthalene	91-20-3	<7.3	7.3	
1,2,3-Trichlorobenzene	87-61-6	<7.3	7.3	

# LAS LABORATORIES

VOLATILE ORGANICS BY GC/MS  
8260 VOLATILES

Client Sample ID:	97BPXLIA6SD62 (08)	LAL Sample ID:	L8849-68
Date Collected:	16-FEB-97	Date Received:	19-FEB-97
Date Analyzed:	24-FEB-97	Analytical Dilution:	1
Matrix:	Soil	Analytical Batch ID:	022497-8260-D1
Percent Moisture:	32.07	Preparation Dilution:	1.00

SURROGATE	RECOVERY	CONCENTRATION
1,2-Dichloroethane-d4	97%	77-127
Toluene-d8	94%	84-120
Bromofluorobenzene	79%	78-125

COMPOUND	CONC. NO.	RESULT ug/kg	LOD ug/kg	LAB QUALITY CHECK (S)
Dichlorodifluoromethane	75-71-8	<7.4	7.4	
Chloromethane	74-87-3	<7.4	7.4	
Vinyl Chloride	75-01-4	<7.4	7.4	
Bromomethane	74-83-9	<7.4	7.4	
Chloroethane	75-00-3	<7.4	7.4	
Trichlorofluoromethane	75-69-4	<7.4	7.4	
Freon 113	76-13-1	<15.	15.	
Acetone	67-64-1	320	15.	K
1,1-Dichloroethene	75-35-4	<7.4	7.4	
Carbon Disulfide	75-15-0	8.7	7.4	
Methylene Chloride	75-09-2	<7.4	7.4	
trans-1,2-Dichloroethene	156-60-5	<7.4	7.4	
Vinyl Acetate	108-05-4	<15.	15.	
1,1-Dichloroethane	75-34-3	<7.4	7.4	
2-Butanone	78-93-3	69.	15.	
2,2-Dichloropropane	594-20-7	<7.4	7.4	
cis-1,2-Dichloroethene	156-59-2	<7.4	7.4	
Chloroform	67-66-3	<7.4	7.4	
Bromochloromethane	74-97-5	<7.4	7.4	
1,1,1-Trichloroethane	71-55-6	<7.4	7.4	
2-Chloroethylvinylether	110-75-8	<29.	29.	
1,1-Dichloropropene	563-58-6	<7.4	7.4	
Carbon tetrachloride	56-23-5	<7.4	7.4	
1,2-Dichloroethane	107-06-2	<7.4	7.4	
Benzene	71-43-2	<7.4	7.4	
Trichloroethene	79-01-6	<7.4	7.4	
1,2-Dichloropropane	78-87-5	<7.4	7.4	
Bromodichloromethane	75-27-4	<7.4	7.4	
Dibromomethane	74-95-3	<7.4	7.4	
4-Methyl-2-Pentanone	108-10-1	<15.	15.	
cis-1,3-Dichloropropene	10061-01-5	<7.4	7.4	
Toluene	108-88-3	<7.4	7.4	
trans-1,3-Dichloropropene	10061-02-6	<7.4	7.4	
1,1,2-Trichloroethane	79-00-5	<7.4	7.4	
2-Hexanone	591-78-6	<15.	15.	
1,2-Dibromoethane	106-93-4	<7.4	7.4	
1,3-Dichloropropane	142-28-9	<7.4	7.4	
Tetrachloroethene	127-18-4	<7.4	7.4	
Dibromochloromethane	124-48-1	<7.4	7.4	
Chlorobenzene	108-90-7	<7.4	7.4	
1,1,1,2-Tetrachloroethane	630-20-6	<7.4	7.4	



# LAS LABORATORIES

VOLATILE ORGANICS BY GC/MS  
8260 VOLATILES

Client Sample ID:	97BPXLIA6SD62(08)	LAL Sample ID:	L8849-68
Date Collected:	16-FEB-97	Date Received:	19-FEB-97
Date Analyzed:	24-FEB-97	Analytical Dilution:	1
Matrix:	Soil	Analytical Batch ID:	022497-8260-D1
Percent Moisture:	32.07	Preparation Dilution:	1.00

COMPOUND	CONC. (PPM)	REF. NO.	CONC. (PPM)	DATA QUALIFIER (S)
Ethylbenzene	100-41-4	<7.4	7.4	
m,p-Xylene	136777-61-2	<7.4	7.4	
o-Xylene	95-47-6	<7.4	7.4	
Styrene	100-42-5	<7.4	7.4	
Bromoform	75-25-2	<7.4	7.4	
Isopropylbenzene	98-82-8	<7.4	7.4	
1,1,2,2-Tetrachloroethane	79-34-5	<7.4	7.4	
1,2,3-Trichloropropane	96-18-4	<7.4	7.4	
n-Propylbenzene	103-65-1	<7.4	7.4	
Bromobenzene	108-86-1	<7.4	7.4	
1,3,5-Trimethylbenzene	108-67-8	<7.4	7.4	
2-Chlorotoluene	95-49-8	<7.4	7.4	
4-Chlorotoluene	106-43-4	<7.4	7.4	
tert-Butylbenzene	98-06-6	<7.4	7.4	
1,2,4-Trimethylbenzene	95-63-6	<7.4	7.4	
sec-Butylbenzene	135-98-8	<7.4	7.4	
p-Isopropyltoluene	99-87-6	<7.4	7.4	
1,3-Dichlorobenzene	541-73-1	<7.4	7.4	
1,4-Dichlorobenzene	106-46-7	<7.4	7.4	
n-Butylbenzene	104-51-8	<7.4	7.4	
1,2-Dichlorobenzene	95-50-1	<7.4	7.4	
1,2-Dibromo-3-chloropropane	96-12-8	<7.4	7.4	
1,2,4-Trichlorobenzene	120-82-1	<7.4	7.4	
Hexachlorobutadiene	87-68-3	<7.4	7.4	
Naphthalene	91-20-3	<7.4	7.4	
1,2,3-Trichlorobenzene	87-61-6	<7.4	7.4	

# LAS LABORATORIES

VOLATILE ORGANICS BY GC/MS  
8260 VOLATILES

Client Sample ID:	97BPXLIABSD02(08)	LAL Sample ID:	L8849-72
Date Collected:	16-FEB-97	Date Received:	19-FEB-97
Date Analyzed:	24-FEB-97	Analytical Dilution:	1
Matrix:	Soil	Analytical Batch ID:	022497-8260-D1
Percent Moisture:	26.69	Preparation Dilution:	1.00

SUBSTITUTE	RECOVERY	GC RANGE
1,2-Dichloroethane-d4	93%	77-127
Toluene-d8	94%	84-120
Bromofluorobenzene	79%	78-125

CONSTITUENT	CAN NO.	RESULT mg/kg	COL mg/kg	DATA QUALIFIER(S)
Dichlorodifluoromethane	75-71-8	<6.8	6.8	
Chloromethane	74-87-3	<6.8	6.8	
Vinyl Chloride	75-01-4	<6.8	6.8	
Bromomethane	74-83-9	<6.8	6.8	
Chloroethane	75-00-3	<6.8	6.8	
Trichlorofluoromethane	75-69-4	<6.8	6.8	
Freon 113	76-13-1	<14.	14.	
Acetone	67-64-1	51.	14.	
1,1-Dichloroethene	75-35-4	<6.8	6.8	
Carbon Disulfide	75-15-0	<6.8	6.8	
Methylene Chloride	75-09-2	<6.8	6.8	
trans-1,2-Dichloroethene	156-60-5	<6.8	6.8	
Vinyl Acetate	108-05-4	<14.	14.	
1,1-Dichloroethane	75-34-3	<6.8	6.8	
2-Butanone	78-93-3	<14.	14.	
2,2-Dichloropropane	594-20-7	<6.8	6.8	
cis-1,2-Dichloroethene	156-59-2	<6.8	6.8	
Chloroform	67-66-3	<6.8	6.8	
Bromochloromethane	74-97-5	<6.8	6.8	
1,1,1-Trichloroethane	71-55-6	<6.8	6.8	
2-Chloroethylvinylether	110-75-8	<27.	27.	
1,1-Dichloropropene	563-58-6	<6.8	6.8	
Carbon tetrachloride	56-23-5	<6.8	6.8	
1,2-Dichloroethane	107-06-2	<6.8	6.8	
Benzene	71-43-2	<6.8	6.8	
Trichloroethane	79-01-6	<6.8	6.8	
1,2-Dichloropropane	78-87-5	<6.8	6.8	
Bromodichloromethane	75-27-4	<6.8	6.8	
Dibromomethane	74-95-3	<6.8	6.8	
4-Methyl-2-Pentanone	108-10-1	<14.	14.	
cis-1,3-Dichloropropene	10061-01-5	<6.8	6.8	
Toluene	108-88-3	<6.8	6.8	
trans-1,3-Dichloropropene	10061-02-6	<6.8	6.8	
1,1,2-Trichloroethane	79-00-5	<6.8	6.8	
2-Hexanone	591-78-6	<14.	14.	
1,2-Dibromoethane	106-93-4	<6.8	6.8	
1,3-Dichloropropane	142-28-9	<6.8	6.8	
Tetrachloroethene	127-18-4	<6.8	6.8	
Dibromochloromethane	124-48-1	<6.8	6.8	
Chlorobenzene	108-90-7	<6.8	6.8	
1,1,1,2-Tetrachloroethane	630-20-6	<6.8	6.8	

# LAS LABORATORIES

VOLATILE ORGANICS BY GC/MS  
8260 VOLATILES

Client Sample ID:	97BPXLIABSD02(08)	LAL Sample ID:	L8849-72
Date Collected:	16-FEB-97	Date Received:	19-FEB-97
Date Analyzed:	24-FEB-97	Analytical Dilution:	1
Matrix:	Soil	Analytical Batch ID:	022497-8260-D1
Percent Moisture:	26.69	Preparation Dilution:	1.00

COMPOUND	CONC. (ug/g)	RESULT (ug/g)	PERCENT (ug/g)	DATA QUALITY (S)
Ethylbenzene	100-41-4	<6.8	6.8	
m,p-Xylene	136777-61-2	<6.8	6.8	
o-Xylene	95-47-6	<6.8	6.8	
Styrene	100-42-5	<6.8	6.8	
Bromoform	75-25-2	<6.8	6.8	
Isopropylbenzene	98-82-8	<6.8	6.8	
1,1,2,2-Tetrachloroethane	79-34-5	<6.8	6.8	
1,2,3-Trichloropropane	96-18-4	<6.8	6.8	
n-Propylbenzene	103-65-1	<6.8	6.8	
Bromobenzene	108-86-1	<6.8	6.8	
1,3,5-Trimethylbenzene	108-67-8	<6.8	6.8	
2-Chlorotoluene	95-49-8	<6.8	6.8	
4-Chlorotoluene	106-43-4	<6.8	6.8	
tert-Butylbenzene	98-06-6	<6.8	6.8	
1,2,4-Trimethylbenzene	95-63-6	<6.8	6.8	
sec-Butylbenzene	135-98-8	<6.8	6.8	
p-Isopropyltoluene	99-87-6	<6.8	6.8	
1,3-Dichlorobenzene	541-73-1	<6.8	6.8	
1,4-Dichlorobenzene	106-46-7	<6.8	6.8	
n-Butylbenzene	104-51-8	<6.8	6.8	
1,2-Dichlorobenzene	95-50-1	<6.8	6.8	
1,2-Dibromo-3-chloropropane	96-12-8	<6.8	6.8	
1,2,4-Trichlorobenzene	120-82-1	<6.8	6.8	
Hexachlorobutadiene	87-68-3	<6.8	6.8	
Naphthalene	91-20-3	<6.8	6.8	
1,2,3-Trichlorobenzene	87-61-6	<6.8	6.8	

# LAS LABORATORIES

VOLATILE ORGANICS BY GC/MS  
8260 VOLATILES

Client Sample ID:	97BPXLIASD01(01)	LAL Sample ID:	L8849-76
Date Collected:	16-FEB-97	Date Received:	19-FEB-97
Date Analyzed:	22-FEB-97	Analytical Dilution:	1
Matrix:	Soil	Analytical Batch ID:	022197-8260-D1
Percent Moisture:	38.38	Preparation Dilution:	1.00

SUBSTRATE	RECOVERY	QC SAMPLE
1,2-Dichloroethane-d4	62% *	77-127
Toluene-d8	88%	84-120
Bromofluorobenzene	63% *	78-125

CONSTITUENT	Q.C. NO.	RESULT ug/kg	Q.C. ug/kg	DATA QUALITY INDEX
Dichlorodifluoromethane	75-71-8	<8.1	8.1	
Chloromethane	74-87-3	<8.1	8.1	
Vinyl Chloride	75-01-4	<8.1	8.1	
Bromomethane	74-83-9	<8.1	8.1	
Chloroethane	75-00-3	<8.1	8.1	
Trichlorofluoromethane	75-69-4	<8.1	8.1	
Freon 113	76-13-1	<16.	16.	
Acetone	67-64-1	<16.	16.	
1,1-Dichloroethene	75-35-4	<8.1	8.1	
Carbon Disulfide	75-15-0	27.	8.1	
Methylene Chloride	75-09-2	<8.1	8.1	
trans-1,2-Dichloroethene	156-60-5	<8.1	8.1	
Vinyl Acetate	108-05-4	<16.	16.	
1,1-Dichloroethane	75-34-3	<8.1	8.1	
2-Butanone	78-93-3	<16.	16.	
2,2-Dichloropropane	594-20-7	<8.1	8.1	
cis-1,2-Dichloroethene	156-59-2	<8.1	8.1	
Chloroform	67-66-3	<8.1	8.1	
Bromochloromethane	74-97-5	<8.1	8.1	
1,1,1-Trichloroethane	71-55-6	<8.1	8.1	
2-Chloroethylvinylether	110-75-8	<32.	32.	
1,1-Dichloropropene	563-58-6	<8.1	8.1	
Carbon tetrachloride	56-23-5	<8.1	8.1	
1,2-Dichloroethane	107-06-2	<8.1	8.1	
Benzene	71-43-2	<8.1	8.1	
Trichloroethene	79-01-6	<8.1	8.1	
1,2-Dichloropropane	78-87-5	<8.1	8.1	
Bromodichloromethane	75-27-4	<8.1	8.1	
Dibromomethane	74-95-3	<8.1	8.1	
4-Methyl-2-Pentanone	108-10-1	<16.	16.	
cis-1,3-Dichloropropene	10061-01-5	<8.1	8.1	
Toluene	108-88-3	<8.1	8.1	
trans-1,3-Dichloropropene	10061-02-6	<8.1	8.1	
1,1,2-Trichloroethane	79-00-5	<8.1	8.1	
2-Hexanone	591-78-6	<16.	16.	
1,2-Dibromoethane	106-93-4	<8.1	8.1	
1,3-Dichloropropane	142-28-9	<8.1	8.1	
Tetrachloroethene	127-18-4	<8.1	8.1	
Dibromochloromethane	124-48-1	<8.1	8.1	
Chlorobenzene	108-90-7	<8.1	8.1	
1,1,1,2-Tetrachloroethane	630-20-6	<8.1	8.1	

# LAS LABORATORIES

VLATILE ORGANICS BY GC/MS  
8260 VOLATILES

Client Sample ID:	97BPXLIASSD01(01)	LAL Sample ID:	L8849-76
Date Collected:	16-FEB-97	Date Received:	19-FEB-97
Date Analyzed:	22-FEB-97	Analytical Dilution:	1
Matrix:	Soil	Analytical Batch ID:	022197-8260-D1
Percent Moisture:	38.38	Preparation Dilution:	1.00

CONSTITUENT	SMILES	UNIT	CONC	DATA QUALIFIER(S)
Ethylbenzene	100-41-4	<8.1	8.1	
m,p-Xylene	136777-61-2	<8.1	8.1	
o-Xylene	95-47-6	<8.1	8.1	
Styrene	100-42-5	<8.1	8.1	
Bromoform	75-25-2	<8.1	8.1	
Isopropylbenzene	98-82-8	<8.1	8.1	
1,1,2,2-Tetrachloroethane	79-34-5	<8.1	8.1	
1,2,3-Trichloropropane	96-18-4	<8.1	8.1	
n-Propylbenzene	103-65-1	<8.1	8.1	
Bromobenzene	108-86-1	<8.1	8.1	
1,3,5-Trimethylbenzene	108-67-8	<8.1	8.1	
2-Chlorotoluene	95-49-8	<8.1	8.1	
4-Chlorotoluene	106-43-4	<8.1	8.1	
tert-Butylbenzene	98-06-6	<8.1	8.1	
2,4-Trimethylbenzene	95-63-6	<8.1	8.1	
sec-Butylbenzene	135-98-8	<8.1	8.1	
p-Isopropyltoluene	99-87-6	<8.1	8.1	
1,3-Dichlorobenzene	541-73-1	<8.1	8.1	
1,4-Dichlorobenzene	106-46-7	<8.1	8.1	
n-Butylbenzene	104-51-8	<8.1	8.1	
1,2-Dichlorobenzene	95-50-1	<8.1	8.1	
1,2-Dibromo-3-chloropropane	96-12-8	<8.1	8.1	
1,2,4-Trichlorobenzene	120-82-1	<8.1	8.1	
Hexachlorobutadiene	87-68-3	<8.1	8.1	
Naphthalene	91-20-3	<8.1	8.1	
1,2,3-Trichlorobenzene	87-61-6	<8.1	8.1	

# LAS LABORATORIES

VOLATILE ORGANICS BY GC/MS  
8260 VOLATILES

Client Sample ID:	97BPXLIASD01(01)	LAL Sample ID:	L8849-76
Date Collected:	16-FEB-97	Date Received:	19-FEB-97
Date Analyzed:	24-FEB-97	Analytical Dilution:	1
Matrix:	Soil	Analytical Batch ID:	022497-8260-D1
Percent Moisture:	38.38	Preparation Dilution:	0.990

COMPONENT	RECOVERY	GC NUMBER
1,2-Dichloroethane-d4	95%	77-127
Toluene-d8	93%	84-120
Bromofluorobenzene	71% *	78-125

COMPONENT	GC NO.	RESULT mg/kg	PCB ug/kg	DATA QUALITY FLAG (S)
Dichlorodifluoromethane	75-71-8	<8.0	8.0	
Chloromethane	74-87-3	<8.0	8.0	
Vinyl Chloride	75-01-4	<8.0	8.0	
Bromomethane	74-83-9	<8.0	8.0	
Chloroethane	75-00-3	<8.0	8.0	
Trichlorofluoromethane	75-69-4	<8.0	8.0	
Freon 113	76-13-1	<16.	16.	
Acetone	67-64-1	67.	16.	
1,1-Dichloroethene	75-35-4	<8.0	8.0	
Carbon Disulfide	75-15-0	18.	8.0	
Methylene Chloride	75-09-2	<8.0	8.0	
trans-1,2-Dichloroethene	156-60-5	<8.0	8.0	
Vinyl Acetate	108-05-4	<16.	16.	
1,1-Dichloroethane	75-34-3	<8.0	8.0	
2-Butanone	78-93-3	<16.	16.	
2,2-Dichloropropane	594-20-7	<8.0	8.0	
cis-1,2-Dichloroethene	156-59-2	<8.0	8.0	
Chloroform	67-66-3	<8.0	8.0	
Bromochloromethane	74-97-5	<8.0	8.0	
1,1,1-Trichloroethane	71-55-6	<8.0	8.0	
2-Chloroethylvinylether	110-75-8	<32.	32.	
1,1-Dichloropropene	563-58-6	<8.0	8.0	
Carbon tetrachloride	56-23-5	<8.0	8.0	
1,2-Dichloroethane	107-06-2	<8.0	8.0	
Benzene	71-43-2	<8.0	8.0	
Trichloroethene	79-01-6	<8.0	8.0	
1,2-Dichloropropane	78-87-5	<8.0	8.0	
Bromodichloromethane	75-27-4	<8.0	8.0	
Dibromomethane	74-95-3	<8.0	8.0	
4-Methyl-2-Pentanone	108-10-1	<16.	16.	
cis-1,3-Dichloropropene	10061-01-5	<8.0	8.0	
Toluene	108-88-3	<8.0	8.0	
trans-1,3-Dichloropropene	10061-02-6	<8.0	8.0	
1,1,2-Trichloroethane	79-00-5	<8.0	8.0	
2-Hexanone	591-78-6	<16.	16.	
1,2-Dibromoethane	106-93-4	<8.0	8.0	
1,3-Dichloropropane	142-28-9	<8.0	8.0	
Tetrachloroethene	127-18-4	<8.0	8.0	
Dibromochloromethane	124-48-1	<8.0	8.0	
Chlorobenzene	108-90-7	<8.0	8.0	
1,1,1,2-Tetrachloroethane	630-20-6	<8.0	8.0	

# LAS LABORATORIES

OLATILE ORGANICS BY GC/MS  
8260 VOLATILES

Client Sample ID: 97BPXLIASD01(01)  
Date Collected: 16-FEB-97  
Date Analyzed: 24-FEB-97  
Matrix: Soil  
Percent Moisture: 38.38

LAL Sample ID: L8849-76  
Date Received: 19-FEB-97  
Analytical Dilution: 1  
Analytical Batch ID: 022497-8260-D1  
Preparation Dilution: 0.990

CONCENTRATIONS	LAB ID	RESULT	REL	DATA QUALITY (1-5)
		ng/kg	ng/kg	
Ethylbenzene	100-41-4	<8.0	8.0	
m,p-Xylene	136777-61-2	<8.0	8.0	
o-Xylene	95-47-6	<8.0	8.0	
Styrene	100-42-5	<8.0	8.0	
Bromoform	75-25-2	<8.0	8.0	
Isopropylbenzene	98-82-8	<8.0	8.0	
1,1,2,2-Tetrachloroethane	79-34-5	<8.0	8.0	
1,2,3-Trichloropropane	96-18-4	<8.0	8.0	
n-Propylbenzene	103-65-1	<8.0	8.0	
Bromobenzene	108-86-1	<8.0	8.0	
1,3,5-Trimethylbenzene	108-67-8	<8.0	8.0	
2-Chlorotoluene	95-49-8	<8.0	8.0	
4-Chlorotoluene	106-43-4	<8.0	8.0	
tert-Butylbenzene	98-06-6	<8.0	8.0	
1,2,4-Trimethylbenzene	95-63-6	<8.0	8.0	
sec-Butylbenzene	135-98-8	<8.0	8.0	
p-Isopropyltoluene	99-87-6	<8.0	8.0	
1,3-Dichlorobenzene	541-73-1	<8.0	8.0	
1,4-Dichlorobenzene	106-46-7	<8.0	8.0	
n-Butylbenzene	104-51-8	<8.0	8.0	
1,2-Dichlorobenzene	95-50-1	<8.0	8.0	
1,2-Dibromo-3-chloropropane	96-12-8	<8.0	8.0	
1,2,4-Trichlorobenzene	120-82-1	<8.0	8.0	
Hexachlorobutadiene	87-68-3	<8.0	8.0	
Naphthalene	91-20-3	<8.0	8.0	
1,2,3-Trichlorobenzene	87-61-6	<8.0	8.0	

# LAS LABORATORIES

VOLATILE ORGANICS BY GC/MS  
8260 VOLATILES

Client Sample ID:	97BPXLIA10SD01(01)	LAL Sample ID:	L8849-80
Date Collected:	16-FEB-97	Date Received:	19-FEB-97
Date Analyzed:	24-FEB-97	Analytical Dilution:	1
Matrix:	Soil	Analytical Batch ID:	022497-8260-D1
Percent Moisture:	35.25	Preparation Dilution:	0.990

SUBSTRATE	RECOVERY	CC Limits
1,2-Dichloroethane-d4	97%	77-127
Toluene-d8	94%	84-120
Bromofluorobenzene	83%	78-125

CONSTITUENT	CAS NO.	REPROD CO/20	FOC CO/20	DATA QUALITY (1-5)
Dichlorodifluoromethane	75-71-8	<7.6	7.6	
Chloromethane	74-87-3	<7.6	7.6	
Vinyl Chloride	75-01-4	<7.6	7.6	
Bromomethane	74-83-9	<7.6	7.6	
Chloroethane	75-00-3	<7.6	7.6	
Trichlorofluoromethane	75-69-4	<7.6	7.6	
Freon 113	76-13-1	<15.	15.	
Acetone	67-64-1	62.	15.	
1,1-Dichloroethene	75-35-4	<7.6	7.6	
Carbon Disulfide	75-15-0	<7.6	7.6	
Methylene Chloride	75-09-2	<7.6	7.6	
trans-1,2-Dichloroethene	156-60-5	<7.6	7.6	
Vinyl Acetate	108-05-4	<15.	15.	
1,1-Dichloroethane	75-34-3	<7.6	7.6	
2-Butanone	78-93-3	<15.	15.	
2,2-Dichloropropane	594-20-7	<7.6	7.6	
cis-1,2-Dichloroethene	156-59-2	<7.6	7.6	
Chloroform	67-66-3	<7.6	7.6	
Bromochloromethane	74-97-5	<7.6	7.6	
1,1,1-Trichloroethane	71-55-6	<7.6	7.6	
2-Chloroethylvinylether	110-75-8	<31.	31.	
1,1-Dichloropropene	563-58-6	<7.6	7.6	
Carbon tetrachloride	56-23-5	<7.6	7.6	
1,2-Dichloroethane	107-06-2	<7.6	7.6	
Benzene	71-43-2	<7.6	7.6	
Trichloroethene	79-01-6	<7.6	7.6	
1,2-Dichloropropane	78-87-5	<7.6	7.6	
Bromodichloromethane	75-27-4	<7.6	7.6	
Dibromomethane	74-95-3	<7.6	7.6	
4-Methyl-2-Pentanone	108-10-1	<15.	15.	
cis-1,3-Dichloropropene	10061-01-5	<7.6	7.6	
Toluene	108-88-3	<7.6	7.6	
trans-1,3-Dichloropropene	10061-02-6	<7.6	7.6	
1,1,2-Trichloroethane	79-00-5	<7.6	7.6	
2-Hexanone	591-78-6	<15.	15.	
1,2-Dibromoethane	106-93-4	<7.6	7.6	
1,3-Dichloropropane	142-28-9	<7.6	7.6	
Tetrachloroethene	127-18-4	<7.6	7.6	
Dibromochloromethane	124-48-1	<7.6	7.6	
Chlorobenzene	108-90-7	<7.6	7.6	
1,1,1,2-Tetrachloroethane	630-20-6	<7.6	7.6	



# LAS LABORATORIES

VOLATILE ORGANICS BY GC/MS  
 8260 VOLATILES

Client Sample ID:	97BPKLIA10SD01(01)	LAL Sample ID:	L8849-80
Date Collected:	16-FEB-97	Date Received:	19-FEB-97
Date Analyzed:	24-FEB-97	Analytical Dilution:	1
Matrix:	Soil	Analytical Batch ID:	022497-8260-D1
Percent Moisture:	35.25	Preparation Dilution:	0.990

CONSTITUENT	CAS NO.	RESULT µg/g	UNIT µg/g	DATA QUALIFIER(S)
Ethylbenzene	100-41-4	<7.6		7.6
m,p-Xylene	136777-61-2	<7.6		7.6
o-Xylene	95-47-6	<7.6		7.6
Styrene	100-42-5	<7.6		7.6
Bromoform	75-25-2	<7.6		7.6
Isopropylbenzene	98-82-8	<7.6		7.6
1,1,2,2-Tetrachloroethane	79-34-5	<7.6		7.6
1,2,3-Trichloropropane	96-18-4	<7.6		7.6
n-Propylbenzene	103-65-1	<7.6		7.6
Bromobenzene	108-86-1	<7.6		7.6
1,3,5-Trimethylbenzene	108-67-8	<7.6		7.6
2-Chlorotoluene	95-49-8	<7.6		7.6
4-Chlorotoluene	106-43-4	<7.6		7.6
tert-Butylbenzene	98-06-6	<7.6		7.6
1,2,4-Trimethylbenzene	95-63-6	<7.6		7.6
sec-Butylbenzene	135-98-8	<7.6		7.6
p-Isopropyltoluene	99-87-6	<7.6		7.6
1,3-Dichlorobenzene	541-73-1	<7.6		7.6
1,4-Dichlorobenzene	106-46-7	<7.6		7.6
n-Butylbenzene	104-51-8	<7.6		7.6
1,2-Dichlorobenzene	95-50-1	<7.6		7.6
1,2-Dibromo-3-chloropropane	96-12-8	<7.6		7.6
1,2,4-Trichlorobenzene	120-82-1	<7.6		7.6
Hexachlorobutadiene	87-68-3	<7.6		7.6
Naphthalene	91-20-3	<7.6		7.6
1,2,3-Trichlorobenzene	87-61-6	<7.6		7.6

# LAS LABORATORIES

VOLATILE ORGANICS BY GC/MS  
8260 VOLATILES

Client Sample ID: 97BPXLITE21697	LAL Sample ID: L8849-88
Date Collected: 16-FEB-97	Date Received: 19-FEB-97
Date Analyzed: 25-FEB-97	Analytical Dilution: 1
Matrix: Soil	Analytical Batch ID: 022497-8260-D1
Percent Moisture: N/A	Preparation Dilution: 1.00

SUBSTANCE	RECOVERY	GC RANGE
1,2-Dichloroethane-d4	98%	77-127
Toluene-d8	91%	84-120
Bromofluorobenzene	89%	78-125

CONSTITUENT	GC RANGE	RESULT	PCB	DATA QUALIFIER (S)
		ug/kg	ug/kg	
Dichlorodifluoromethane	75-71-8	<5.0	5.0	
Chloromethane	74-87-3	<5.0	5.0	
Vinyl Chloride	75-01-4	<5.0	5.0	
Bromomethane	74-83-9	<5.0	5.0	
Chloroethane	75-00-3	<5.0	5.0	
Trichlorofluoromethane	75-69-4	<5.0	5.0	
Freon 113	76-13-1	<10.	10.	
Acetone	67-64-1	25.	10.	
1,1-Dichloroethene	75-35-4	<5.0	5.0	
Carbon Disulfide	75-15-0	<5.0	5.0	
Methylene Chloride	75-09-2	<5.0	5.0	
trans-1,2-Dichloroethene	156-60-5	<5.0	5.0	
Vinyl Acetate	108-05-4	<10.	10.	
1,1-Dichloroethane	75-34-3	<5.0	5.0	
2-Butanone	78-93-3	17.	10.	
2,2-Dichloropropane	594-20-7	<5.0	5.0	
cis-1,2-Dichloroethene	156-59-2	<5.0	5.0	
Chloroform	67-66-3	<5.0	5.0	
Bromochloromethane	74-97-5	<5.0	5.0	
1,1,1-Trichloroethane	71-55-6	<5.0	5.0	
2-Chloroethylvinylether	110-75-8	<20.	20.	
1,1-Dichloropropene	563-58-6	<5.0	5.0	
Carbon tetrachloride	56-23-5	<5.0	5.0	
1,2-Dichloroethane	107-06-2	<5.0	5.0	
Benzene	71-43-2	<5.0	5.0	
Trichloroethene	79-01-6	<5.0	5.0	
1,2-Dichloropropane	78-87-5	<5.0	5.0	
Bromodichloromethane	75-27-4	<5.0	5.0	
Dibromomethane	74-95-3	<5.0	5.0	
4-Methyl-2-Pentanone	108-10-1	<10.	10.	
cis-1,3-Dichloropropene	10061-01-5	<5.0	5.0	
Toluene	108-88-3	<5.0	5.0	
trans-1,3-Dichloropropene	10061-02-6	<5.0	5.0	
1,1,2-Trichloroethane	79-00-5	<5.0	5.0	
2-Hexanone	591-78-6	<10.	10.	
1,2-Dibromoethane	106-93-4	<5.0	5.0	
1,3-Dichloropropane	142-28-9	<5.0	5.0	
Tetrachloroethene	127-18-4	<5.0	5.0	
Dibromochloromethane	124-48-1	<5.0	5.0	
Chlorobenzene	108-90-7	<5.0	5.0	
1,1,1,2-Tetrachloroethane	630-20-6	<5.0	5.0	

# LAS LABORATORIES

VLATILE ORGANICS BY GC/MS  
 .260 VOLATILES

Client Sample ID: 97BPXLITH21697  
 Date Collected: 16-FEB-97  
 Date Analyzed: 25-FEB-97  
 Matrix: Soil  
 Percent Moisture: N/A

LAL Sample ID: L8849-88  
 Date Received: 19-FEB-97  
 Analytical Dilution: 1  
 Analytical Batch ID: 022497-8260-D1  
 Preparation Dilution: 1.00

CONSTITUENT	CAS NO	RESULT mg/kg	LOD mg/kg	DATA QUALIFIER(S)
Ethylbenzene	100-41-4	<5.0	5.0	
m,p-Xylene	136777-61-2	<5.0	5.0	
o-Xylene	95-47-6	<5.0	5.0	
Styrene	100-42-5	<5.0	5.0	
Bromoform	75-25-2	<5.0	5.0	
Isopropylbenzene	98-82-8	<5.0	5.0	
1,1,2,2-Tetrachloroethane	79-34-5	<5.0	5.0	
1,2,3-Trichloropropane	96-18-4	<5.0	5.0	
n-Propylbenzene	103-65-1	<5.0	5.0	
Bromobenzene	108-86-1	<5.0	5.0	
1,3,5-Trimethylbenzene	108-67-8	<5.0	5.0	
2-Chlorotoluene	95-49-8	<5.0	5.0	
4-Chlorotoluene	106-43-4	<5.0	5.0	
tert-Butylbenzene	98-06-6	<5.0	5.0	
2,4-Trimethylbenzene	95-63-6	<5.0	5.0	
sec-Butylbenzene	135-98-8	<5.0	5.0	
p-Isopropyltoluene	99-87-6	<5.0	5.0	
1,3-Dichlorobenzene	541-73-1	<5.0	5.0	
1,4-Dichlorobenzene	106-46-7	<5.0	5.0	
n-Butylbenzene	104-51-8	<5.0	5.0	
1,2-Dichlorobenzene	95-50-1	<5.0	5.0	
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	5.0	
1,2,4-Trichlorobenzene	120-82-1	<5.0	5.0	
Hexachlorobutadiene	87-68-3	<5.0	5.0	
Naphthalene	91-20-3	<5.0	5.0	
1,2,3-Trichlorobenzene	87-61-6	<5.0	5.0	

# LAS LABORATORIES

SPIKED SAMPLE RESULT  
VOLATILE ORGANICS BY GC/MS

Client Sample ID:	Lab Ctrl Sample	LAL Sample ID:	46007LCS
Date Collected:	N/A	Date Received:	N/A
Date Analyzed:	24-FEB-97	Analytical Dilution:	1
		Analytical Batch ID:	022497-8260-D1
Percent Moisture:	N/A	Preparation Dilution:	0.990

SURROGATE	RECOVERY	CONCENTRATION
1,2-Dichloroethane-d4	97%	77-127
Toluene-d8	100%	84-120
Bromofluorobenzene	99%	78-125

COMPOUND	CAS NO	RESULT µg/kg	LOI µg/kg	DATA QUALIFIED
Dichlorodifluoromethane	75-71-8	46.	5.0	
Chloromethane	74-87-3	46.	5.0	
Vinyl Chloride	75-01-4	51.	5.0	
Bromomethane	74-83-9	52.	5.0	
Chloroethane	75-00-3	53.	5.0	
Trichlorofluoromethane	75-69-4	54.	5.0	
Freon 113	76-13-1	42.	9.9	
Acetone	67-64-1	120	9.9	
1,1-Dichloroethene	75-35-4	47.	5.0	
Carbon Disulfide	75-15-0	38.	5.0	
Methylene Chloride	75-09-2	50.	5.0	
trans-1,2-Dichloroethene	156-60-5	46.	5.0	
Vinyl Acetate	108-05-4	40.	9.9	
1,1-Dichloroethane	75-34-3	52.	5.0	
2-Butanone	78-93-3	47.	9.9	
2,2-Dichloropropane	594-20-7	51.	5.0	
cis-1,2-Dichloroethene	156-59-2	56.	5.0	
Chloroform	67-66-3	52.	5.0	
Bromochloromethane	74-97-5	53.	5.0	
1,1,1-Trichloroethane	71-55-6	51.	5.0	
2-Chloroethylvinylether	110-75-8	220	20.	
1,1-Dichloropropene	563-58-6	46.	5.0	
Carbon tetrachloride	56-23-5	47.	5.0	
1,2-Dichloroethane	107-06-2	49.	5.0	
Benzene	71-43-2	51.	5.0	
Trichloroethene	79-01-6	59.	5.0	
1,2-Dichloropropane	78-87-5	50.	5.0	
Bromodichloromethane	75-27-4	49.	5.0	
Dibromomethane	74-95-3	49.	5.0	
4-Methyl-2-Pentanone	108-10-1	42.	9.9	
cis-1,3-Dichloropropene	10061-01-5	48.	5.0	
Toluene	108-88-3	51.	5.0	
trans-1,3-Dichloropropene	10061-02-6	48.	5.0	
1,1,2-Trichloroethane	79-00-5	51.	5.0	
2-Hexanone	591-78-6	20.	9.9	
1,2-Dibromoethane	106-93-4	50.	5.0	
1,3-Dichloropropane	142-28-9	49.	5.0	
Tetrachloroethene	127-18-4	46.	5.0	
Dibromochloromethane	124-48-1	47.	5.0	
Chlorobenzene	108-90-7	48.	5.0	
1,1,1,2-Tetrachloroethane	630-20-6	49.	5.0	

# LAS LABORATORIES

SPIKED SAMPLE RESULT  
VOLATILE ORGANICS BY GC/MS

Client Sample ID:	Lab Ctrl Sample	LAL Sample ID:	46007LCS
Date Collected:	N/A	Date Received:	N/A
Date Analyzed:	24-FEB-97	Analytical Dilution:	1
Percent Moisture:	N/A	Analytical Batch ID:	022497-8260-D1
		Preparation Dilution:	0.990

CONSTITUENT	LAB ID	RESULT NG/KG	LOD NG/KG	DATA QUALITY (S)
Ethylbenzene	100-41-4	32.	5.0	
m,p-Xylene	136777-61-2	31.	5.0	
o-Xylene	95-47-6	15.	5.0	
Styrene	100-42-5	15.	5.0	
Bromoform	75-25-2	41.	5.0	
Isopropylbenzene	98-82-8	41.	5.0	
1,1,2,2-Tetrachloroethane	79-34-5	27.	5.0	
1,2,3-Trichloropropane	96-18-4	43.	5.0	
n-Propylbenzene	103-65-1	44.	5.0	
Bromobenzene	108-86-1	18.	5.0	
1,3,5-Trimethylbenzene	108-67-8	46.	5.0	
2-Chlorotoluene	95-49-8	18.	5.0	
4-Chlorotoluene	106-43-4	39.	5.0	
tert-Butylbenzene	98-06-6	50.	5.0	
1,2,4-Trimethylbenzene	95-63-6	45.	5.0	
sec-Butylbenzene	135-98-8	43.	5.0	
p-Isopropyltoluene	99-87-6	44.	5.0	
1,3-Dichlorobenzene	541-73-1	43.	5.0	
1,4-Dichlorobenzene	106-46-7	42.	5.0	
n-Butylbenzene	104-51-8	43.	5.0	
1,2-Dichlorobenzene	95-50-1	42.	5.0	
1,2-Dibromo-3-chloropropane	96-12-8	19.	5.0	
1,2,4-Trichlorobenzene	120-82-1	42.	5.0	
Hexachlorobutadiene	87-68-3	34.	5.0	
Naphthalene	91-20-3	43.	5.0	
1,2,3-Trichlorobenzene	87-61-6	42.	5.0	

# LAS LABORATORIES

VOLATILE ORGANICS BY GC/MS

Client Sample ID:	Method Blank	LAL Sample ID:	46007MB
Date Collected:	N/A	Date Received:	N/A
Date Analyzed:	24-FEB-97	Analytical Dilution:	1
Percent Moisture:	N/A	Analytical Batch ID:	022497-8260-D1
		Preparation Dilution:	1.00

SUBSTITUTE	RECOVERY	GC VALUES
1,2-Dichloroethane-d4	96%	77-127
Toluene-d8	99%	84-120
Bromofluorobenzene	95%	78-125

CONSTITUENT	GC NO.	RESULT ug/kg	MDL ug/kg	DATE QUANTIFIED
Dichlorodifluoromethane	75-71-8	<5.0	5.0	
Chloromethane	74-87-3	<5.0	5.0	
Vinyl Chloride	75-01-4	<5.0	5.0	
Bromomethane	74-83-9	<5.0	5.0	
Chloroethane	75-00-3	<5.0	5.0	
Trichlorofluoromethane	75-69-4	<5.0	5.0	
Freon 113	76-13-1	<10.	10.	
Acetone	67-64-1	<10.	10.	
1,1-Dichloroethene	75-35-4	<5.0	5.0	
Carbon Disulfide	75-15-0	<5.0	5.0	
Methylene Chloride	75-09-2	<5.0	5.0	
trans-1,2-Dichloroethene	156-60-5	<5.0	5.0	
Vinyl Acetate	108-05-4	<10.	10.	
1,1-Dichloroethane	75-34-3	<5.0	5.0	
2-Butanone	78-93-3	<10.	10.	
2,2-Dichloropropane	594-20-7	<5.0	5.0	
cis-1,2-Dichloroethene	156-59-2	<5.0	5.0	
Chloroform	67-66-3	<5.0	5.0	
Bromochloromethane	74-97-5	<5.0	5.0	
1,1,1-Trichloroethane	71-55-6	<5.0	5.0	
2-Chloroethylvinylether	110-75-8	<20.	20.	
1,1-Dichloropropene	563-58-6	<5.0	5.0	
Carbon tetrachloride	56-23-5	<5.0	5.0	
1,2-Dichloroethane	107-06-2	<5.0	5.0	
Benzene	71-43-2	<5.0	5.0	
Trichloroethene	79-01-6	<5.0	5.0	
1,2-Dichloropropane	78-87-5	<5.0	5.0	
Bromodichloromethane	75-27-4	<5.0	5.0	
Dibromomethane	74-95-3	<5.0	5.0	
4-Methyl-2-Pentanone	108-10-1	<10.	10.	
cis-1,3-Dichloropropene	10061-01-5	<5.0	5.0	
Toluene	108-88-3	<5.0	5.0	
trans-1,3-Dichloropropene	10061-02-6	<5.0	5.0	
1,1,2-Trichloroethane	79-00-5	<5.0	5.0	
2-Hexanone	591-78-6	<10.	10.	
1,2-Dibromoethane	106-93-4	<5.0	5.0	
1,3-Dichloropropane	142-28-9	<5.0	5.0	
Tetrachloroethene	127-18-4	<5.0	5.0	
Dibromochloromethane	124-48-1	<5.0	5.0	
Chlorobenzene	108-90-7	<5.0	5.0	
1,1,1,2-Tetrachloroethane	630-20-6	<5.0	5.0	

# LAS LABORATORIES

LATILE ORGANICS BY GC/MS

Client Sample ID:	Method Blank	LAL Sample ID:	46007MB
Date Collected:	N/A	Date Received:	N/A
Date Analyzed:	24-FEB-97	Analytical Dilution:	1
Percent Moisture:	N/A	Analytical Batch ID:	022497-8260-D1
		Preparation Dilution:	1.00

CONSTITUENT	CAS NO	RESULT ug/kg	LOD ug/kg	DATA MULTIPLIER (S)
Ethylbenzene	100-41-4	<5.0	5.0	
m,p-Xylene	136777-61-2	<5.0	5.0	
o-Xylene	95-47-6	<5.0	5.0	
Styrene	100-42-5	<5.0	5.0	
Bromoform	75-25-2	<5.0	5.0	
Isopropylbenzene	98-82-8	<5.0	5.0	
1,1,2,2-Tetrachloroethane	79-34-5	<5.0	5.0	
1,2,3-Trichloropropane	96-18-4	<5.0	5.0	
n-Propylbenzene	103-65-1	<5.0	5.0	
Bromobenzene	108-86-1	<5.0	5.0	
1,3,5-Trimethylbenzene	108-67-8	<5.0	5.0	
2-Chlorotoluene	95-49-8	<5.0	5.0	
4-Chlorotoluene	106-43-4	<5.0	5.0	
tert-Butylbenzene	98-06-6	<5.0	5.0	
2,4-Trimethylbenzene	95-63-6	<5.0	5.0	
sec-Butylbenzene	135-98-8	<5.0	5.0	
p-Isopropyltoluene	99-87-6	<5.0	5.0	
1,3-Dichlorobenzene	541-73-1	<5.0	5.0	
1,4-Dichlorobenzene	106-46-7	<5.0	5.0	
n-Butylbenzene	104-51-8	<5.0	5.0	
1,2-Dichlorobenzene	95-50-1	<5.0	5.0	
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	5.0	
1,2,4-Trichlorobenzene	120-82-1	<5.0	5.0	
Hexachlorobutadiene	87-68-3	<5.0	5.0	
Naphthalene	91-20-3	<5.0	5.0	
1,2,3-Trichlorobenzene	87-61-6	<5.0	5.0	

# LAS LABORATORIES

SPIKED SAMPLE RESULT  
VOLATILE ORGANICS BY GC/MS

Client Sample ID: 97BPXLIA4SD01(01)	LAL Sample ID: 46007MS
Date Collected: 16-FEB-97	Date Received: 19-FEB-97
Date Analyzed: 24-FEB-97	Analytical Dilution: 1
	Analytical Batch ID: 022197-8260-D1
Percent Moisture: 17.13	Preparation Dilution: 0.980

SURROGATE	RECOVERY	GC RANGE
1,2-Dichloroethane-d4	91%	77-127
Toluene-d8	98%	84-120
Bromofluorobenzene	91%	78-125

CONSTITUENT	GC RANGE	RESULT UG/KG	LOD UG/KG	DATA QUALIFIED (Y/N)
Dichlorodifluoromethane	75-71-8	56.	5.9	
Chloromethane	74-87-3	51.	5.9	
Vinyl Chloride	75-01-4	57.	5.9	
Bromomethane	74-83-9	58.	5.9	
Chloroethane	75-00-3	60.	5.9	
Trichlorofluoromethane	75-69-4	74.	5.9	
Freon 113	76-13-1	49.	12.	
Acetone	67-64-1	64.	12.	
1,1-Dichloroethene	75-35-4	57.	5.9	
Carbon Disulfide	75-15-0	42.	5.9	
Methylene Chloride	75-09-2	58.	5.9	
trans-1,2-Dichloroethene	156-60-5	49.	5.9	
Vinyl Acetate	108-05-4	41.	12.	
1,1-Dichloroethane	75-34-3	57.	5.9	
2-Butanone	78-93-3	47.	12.	
2,2-Dichloropropane	594-20-7	59.	5.9	
cis-1,2-Dichloroethene	156-59-2	61.	5.9	
Chloroform	67-66-3	57.	5.9	
Bromochloromethane	74-97-5	57.	5.9	
1,1,1-Trichloroethane	71-55-6	56.	5.9	
2-Chloroethylvinylether	110-75-8	230	24.	
1,1-Dichloropropene	563-58-6	51.	5.9	
Carbon tetrachloride	56-23-5	53.	5.9	
1,2-Dichloroethane	107-06-2	54.	5.9	
Benzene	71-43-2	57.	5.9	
Trichloroethene	79-01-6	60.	5.9	
1,2-Dichloropropane	78-87-5	56.	5.9	
Bromodichloromethane	75-27-4	55.	5.9	
Dibromomethane	74-95-3	53.	5.9	
4-Methyl-2-Pentanone	108-10-1	42.	12.	
cis-1,3-Dichloropropene	10061-01-5	52.	5.9	
Toluene	108-88-3	57.	5.9	
trans-1,3-Dichloropropene	10061-02-6	50.	5.9	
1,1,2-Trichloroethane	79-00-5	56.	5.9	
2-Hexanone	591-78-6	17.	12.	
1,2-Dibromoethane	106-93-4	52.	5.9	
1,3-Dichloropropane	142-28-9	54.	5.9	
Tetrachloroethene	127-18-4	52.	5.9	
Dibromochloromethane	124-48-1	53.	5.9	
Chlorobenzene	108-90-7	54.	5.9	
1,1,1,2-Tetrachloroethane	630-20-6	56.	5.9	



# LAS LABORATORIES

SPIKED SAMPLE RESULT  
VOLATILE ORGANICS BY GC/MS

Client Sample ID: 97BPXLI4SD01(01)  
Date Collected: 16-FEB-97  
Date Analyzed: 24-FEB-97  
Percent Moisture: 17.13

LAL Sample ID: 46007MS  
Date Received: 19-FEB-97  
Analytical Dilution: 1  
Analytical Batch ID: 022197-8260-D1  
Preparation Dilution: 0.980

CONSTITUENT	CAS NO.	RESULT ug/kg	POC ug/kg	DATA QUALITY (1-5)
Ethylbenzene	100-41-4	56.	5.9	
m,p-Xylene	136777-61-2	120	5.9	
o-Xylene	95-47-6	59.	5.9	
Styrene	100-42-5	55.	5.9	
Bromoform	75-25-2	49.	5.9	
Isopropylbenzene	98-82-8	52.	5.9	
1,1,2,2-Tetrachloroethane	79-34-5	40.	5.9	
1,2,3-Trichloropropane	96-18-4	51.	5.9	
n-Propylbenzene	103-65-1	54.	5.9	
Bromobenzene	108-86-1	51.	5.9	
1,3,5-Trimethylbenzene	108-67-8	57.	5.9	
2-Chlorotoluene	95-49-8	26.	5.9	
4-Chlorotoluene	106-43-4	48.	5.9	
tert-Butylbenzene	98-06-6	61.	5.9	
2,4-Trimethylbenzene	95-63-6	55.	5.9	
sec-Butylbenzene	135-98-8	52.	5.9	
p-Isopropyltoluene	99-87-6	53.	5.9	
1,3-Dichlorobenzene	541-73-1	49.	5.9	
1,4-Dichlorobenzene	106-46-7	48.	5.9	
n-Butylbenzene	104-51-8	46.	5.9	
1,2-Dichlorobenzene	95-50-1	50.	5.9	
1,2-Dibromo-3-chloropropane	96-12-8	21.	5.9	
1,2,4-Trichlorobenzene	120-82-1	40.	5.9	
Hexachlorobutadiene	87-68-3	32.	5.9	
Naphthalene	91-20-3	42.	5.9	
1,2,3-Trichlorobenzene	87-61-6	40.	5.9	

# LAS LABORATORIES

SPIKED SAMPLE RESULT  
VOLATILE ORGANICS BY GC/MS

Client Sample ID:	97BPXLI4SD01(01)	LAL Sample ID:	46007MS
Date Collected:	16-FEB-97	Date Received:	19-FEB-97
Date Analyzed:	24-FEB-97	Analytical Dilution:	1
		Analytical Batch ID:	022497-8260-D1
Percent Moisture:	17.13	Preparation Dilution:	0.980

COMPOUND	RECOVERY	SP. LIMIT
1,2-Dichloroethane-d4	91%	77-127
Toluene-d8	98%	84-120
Bromofluorobenzene	91%	78-125

COMPOUND	QAC NO.	RESULT ng/kg	POB ug/kg	MAX QUALITY (ug)
Dichlorodifluoromethane	75-71-8	56.	5.9	
Chloromethane	74-87-3	51.	5.9	
Vinyl Chloride	75-01-4	57.	5.9	
Bromomethane	74-83-9	58.	5.9	
Chloroethane	75-00-3	60.	5.9	
Trichlorofluoromethane	75-69-4	74.	5.9	
Freon 113	76-13-1	49.	12.	
Acetone	67-64-1	64.	12.	
1,1-Dichloroethene	75-35-4	57.	5.9	
Carbon Disulfide	75-15-0	42.	5.9	
Methylene Chloride	75-09-2	58.	5.9	
trans-1,2-Dichloroethene	156-60-5	49.	5.9	
Vinyl Acetate	108-05-4	41.	12.	
1,1-Dichloroethane	75-34-3	57.	5.9	
2-Butanone	78-93-3	47.	12.	
2,2-Dichloropropane	594-20-7	59.	5.9	
cis-1,2-Dichloroethene	156-59-2	61.	5.9	
Chloroform	67-66-3	57.	5.9	
Bromochloromethane	74-97-5	57.	5.9	
1,1,1-Trichloroethane	71-55-6	56.	5.9	
2-Chloroethylvinylether	110-75-8	230	24.	
1,1-Dichloropropene	563-58-6	51.	5.9	
Carbon tetrachloride	56-23-5	53.	5.9	
1,2-Dichloroethane	107-06-2	54.	5.9	
Benzene	71-43-2	57.	5.9	
Trichloroethene	79-01-6	60.	5.9	
1,2-Dichloropropane	78-87-5	56.	5.9	
Bromodichloromethane	75-27-4	55.	5.9	
Dibromomethane	74-95-3	53.	5.9	
4-Methyl-2-Pentanone	108-10-1	42.	12.	
cis-1,3-Dichloropropene	10061-01-5	52.	5.9	
Toluene	108-88-3	57.	5.9	
trans-1,3-Dichloropropene	10061-02-6	50.	5.9	
1,1,2-Trichloroethane	79-00-5	56.	5.9	
2-Hexanone	591-78-6	17.	12.	
1,2-Dibromoethane	106-93-4	52.	5.9	
1,3-Dichloropropane	142-28-9	54.	5.9	
Tetrachloroethene	127-18-4	52.	5.9	
Dibromochloromethane	124-48-1	53.	5.9	
Chlorobenzene	108-90-7	54.	5.9	
1,1,1,2-Tetrachloroethane	630-20-6	56.	5.9	

# LAS LABORATORIES

COPIED SAMPLE RESULT  
 VOLATILE ORGANICS BY GC/MS

Client Sample ID: 97BPXLIA4SD01(01)	LAL Sample ID: 46007MS
Date Collected: 16-FEB-97	Date Received: 19-FEB-97
Date Analyzed: 24-FEB-97	Analytical Dilution: 1
	Analytical Batch ID: 022497-8260-D1
Percent Moisture: 17.13	Preparation Dilution: 0.980

CONSTITUENT	CAS NO.	RESULT MG/KG	REL. MG/KG	DATA QUALIFIER(S)
Ethylbenzene	100-41-4	56.	5.9	
m,p-Xylene	136777-61-2	120	5.9	
o-Xylene	95-47-6	59.	5.9	
Styrene	100-42-5	55.	5.9	
Bromoform	75-25-2	49.	5.9	
Isopropylbenzene	98-82-8	52.	5.9	
1,1,2,2-Tetrachloroethane	79-34-5	40.	5.9	
1,2,3-Trichloropropane	96-18-4	51.	5.9	
n-Propylbenzene	103-65-1	54.	5.9	
Bromobenzene	108-86-1	51.	5.9	
1,3,5-Trimethylbenzene	108-67-8	57.	5.9	
2-Chlorotoluene	95-49-8	26.	5.9	
4-Chlorotoluene	106-43-4	48.	5.9	
tert-Butylbenzene	98-06-6	61.	5.9	
1,2,4-Trimethylbenzene	95-63-6	55.	5.9	
sec-Butylbenzene	135-98-8	52.	5.9	
p-Isopropyltoluene	99-87-6	53.	5.9	
1,3-Dichlorobenzene	541-73-1	49.	5.9	
1,4-Dichlorobenzene	106-46-7	48.	5.9	
n-Butylbenzene	104-51-8	46.	5.9	
1,2-Dichlorobenzene	95-50-1	50.	5.9	
1,2-Dibromo-3-chloropropane	96-12-8	21.	5.9	
1,2,4-Trichlorobenzene	120-82-1	40.	5.9	
Hexachlorobutadiene	87-68-3	32.	5.9	
Naphthalene	91-20-3	42.	5.9	
1,2,3-Trichlorobenzene	87-61-6	40.	5.9	

# LAS LABORATORIES

SPIKED SAMPLE RESULT  
VOLATILE ORGANICS BY GC/MS

Client Sample ID: 97BPXLIA4SD01(01)	LAL Sample ID: 46007MSD
Date Collected: 16-FEB-97	Date Received: 19-FEB-97
Date Analyzed: 24-FEB-97	Analytical Dilution: 1
	Analytical Batch ID: 022197-8260-D1
Percent Moisture: 17.13	Preparation Dilution: 0.990

SUBSTRATE	RECOVERY	QC RANGE
1,2-Dichloroethane-d4	94%	77-127
Toluene-d8	99%	84-120
Bromofluorobenzene	89%	78-125

CONSTITUENT	CAS NO.	RESULT µg/Kg	QTY µg/Kg	DATA QUALIFIER(S)
Dichlorodifluoromethane	75-71-8	56.	6.0	
Chloromethane	74-87-3	53.	6.0	
Vinyl Chloride	75-01-4	59.	6.0	
Bromomethane	74-83-9	57.	6.0	
Chloroethane	75-00-3	66.	6.0	
Trichlorofluoromethane	75-69-4	74.	6.0	
Freon 113	76-13-1	48.	12.	
Acetone	67-64-1	71.	12.	
1,1-Dichloroethene	75-35-4	54.	6.0	
Carbon Disulfide	75-15-0	40.	6.0	
Methylene Chloride	75-09-2	57.	6.0	
trans-1,2-Dichloroethene	156-60-5	48.	6.0	
Vinyl Acetate	108-05-4	33.	12.	
1,1-Dichloroethane	75-34-3	57.	6.0	
2-Butanone	78-93-3	52.	12.	
2,2-Dichloropropane	594-20-7	58.	6.0	
cis-1,2-Dichloroethene	156-59-2	60.	6.0	
Chloroform	67-66-3	57.	6.0	
Bromochloromethane	74-97-5	58.	6.0	
1,1,1-Trichloroethane	71-55-6	57.	6.0	
2-Chloroethylvinylether	110-75-8	230	24.	
1,1-Dichloropropene	563-58-6	52.	6.0	
Carbon tetrachloride	56-23-5	54.	6.0	
1,2-Dichloroethane	107-06-2	56.	6.0	
Benzene	71-43-2	58.	6.0	
Trichloroethene	79-01-6	60.	6.0	
1,2-Dichloropropane	78-87-5	57.	6.0	
Bromodichloromethane	75-27-4	56.	6.0	
Dibromomethane	74-95-3	55.	6.0	
4-Methyl-2-Pentanone	108-10-1	47.	12.	
cis-1,3-Dichloropropene	10061-01-5	50.	6.0	
Toluene	108-88-3	59.	6.0	
trans-1,3-Dichloropropene	10061-02-6	49.	6.0	
1,1,2-Trichloroethane	79-00-5	58.	6.0	
2-Hexanone	591-78-6	20.	12.	
1,2-Dibromoethane	106-93-4	54.	6.0	
1,3-Dichloropropane	142-28-9	56.	6.0	
Tetrachloroethene	127-18-4	53.	6.0	
Dibromochloromethane	124-48-1	53.	6.0	
Chlorobenzene	108-90-7	54.	6.0	
1,1,1,2-Tetrachloroethane	630-20-6	58.	6.0	

# LAS LABORATORIES

SPIKED SAMPLE RESULT  
VOLATILE ORGANICS BY GC/MS

Client Sample ID: 97BPXLIA4SD01(01)  
Date Collected: 16-FEB-97  
Date Analyzed: 24-FEB-97  
  
Percent Moisture: 17.13

LAL Sample ID: 46007MSD  
Date Received: 19-FEB-97  
Analytical Dilution: 1  
Analytical Batch ID: 022197-8260-D1  
Preparation Dilution: 0.990

CONSTITUENT	CAS NO.	RESULT	LOD	DATA QUALIFIER(S)
		ug/kg	ug/kg	
Ethylbenzene	100-41-4	38.	6.0	
m,p-Xylene	136777-61-2	42.	6.0	
o-Xylene	95-47-6	60.	6.0	
Styrene	100-42-5	50.	6.0	
Bromoform	75-25-2	54.	6.0	
Isopropylbenzene	98-82-8	56.	6.0	
1,1,2,2-Tetrachloroethane	79-34-5	47.	6.0	
1,2,3-Trichloropropane	96-18-4	59.	6.0	
n-Propylbenzene	103-65-1	56.	6.0	
Bromobenzene	108-86-1	54.	6.0	
1,3,5-Trimethylbenzene	108-67-8	61.	6.0	
2-Chlorotoluene	95-49-8	30.	6.0	
4-Chlorotoluene	106-43-4	50.	6.0	
tert-Butylbenzene	98-06-6	67.	6.0	
2,4-Trimethylbenzene	95-63-6	58.	6.0	
sec-Butylbenzene	135-98-8	57.	6.0	
p-Isopropyltoluene	99-87-6	57.	6.0	
1,3-Dichlorobenzene	541-73-1	50.	6.0	
1,4-Dichlorobenzene	106-46-7	49.	6.0	
n-Butylbenzene	104-51-8	49.	6.0	
1,2-Dichlorobenzene	95-50-1	52.	6.0	
1,2-Dibromo-3-chloropropane	96-12-8	30.	6.0	
1,2,4-Trichlorobenzene	120-82-1	41.	6.0	
Hexachlorobutadiene	87-68-3	37.	6.0	
Naphthalene	91-20-3	44.	6.0	
1,2,3-Trichlorobenzene	87-61-6	42.	6.0	

# LAS LABORATORIES

SPIKED SAMPLE RESULT  
VOLATILE ORGANICS BY GC/MS

Client Sample ID:	97BPXLIA4SD01(01)	LAL Sample ID:	46007MSD
Date Collected:	16-FEB-97	Date Received:	19-FEB-97
Date Analyzed:	24-FEB-97	Analytical Dilution:	1
Percent Moisture:	17.13	Analytical Batch ID:	O22497-8260-B1
		Preparation Dilution:	0.990

COMPOUND	RECOVERY	QS RANGE
1,2-Dichloroethane-d4	94%	77-127
Toluene-d8	99%	84-120
Bromofluorobenzene	89%	78-125

COMPOUND	Q.S. NO.	RESULT ug/kg	Q.S. ug/kg	DATA QUALIFIER(S)
Dichlorodifluoromethane	75-71-8	56.	6.0	
Chloromethane	74-87-3	53.	6.0	
Vinyl Chloride	75-01-4	59.	6.0	
Bromomethane	74-83-9	57.	6.0	
Chloroethane	75-00-3	66.	6.0	
Trichlorofluoromethane	75-69-4	74.	6.0	
Freon 113	76-13-1	48.	12.	
Acetone	67-64-1	71.	12.	
1,1-Dichloroethene	75-35-4	54.	6.0	
Carbon Disulfide	75-15-0	40.	6.0	
Methylene Chloride	75-09-2	57.	6.0	
trans-1,2-Dichloroethene	156-60-5	48.	6.0	
Vinyl Acetate	108-05-4	33.	12.	
1,1-Dichloroethane	75-34-3	57.	6.0	
2-Butanone	78-93-3	52.	12.	
2,2-Dichloropropane	594-20-7	58.	6.0	
cis-1,2-Dichloroethene	156-59-2	60.	6.0	
Chloroform	67-66-3	57.	6.0	
Bromochloromethane	74-97-5	58.	6.0	
1,1,1-Trichloroethane	71-55-6	57.	6.0	
2-Chloroethylvinylether	110-75-8	230	24.	
1,1-Dichloropropene	563-58-6	52.	6.0	
Carbon tetrachloride	56-23-5	54.	6.0	
1,2-Dichloroethane	107-06-2	56.	6.0	
Benzene	71-43-2	58.	6.0	
Trichloroethene	79-01-6	60.	6.0	
1,2-Dichloropropane	78-87-5	57.	6.0	
Bromodichloromethane	75-27-4	56.	6.0	
Dibromomethane	74-95-3	55.	6.0	
4-Methyl-2-Pentanone	108-10-1	47.	12.	
cis-1,3-Dichloropropene	10061-01-5	50.	6.0	
Toluene	108-88-3	59.	6.0	
trans-1,3-Dichloropropene	10061-02-6	49.	6.0	
1,1,2-Trichloroethane	79-00-5	58.	6.0	
2-Hexanone	591-78-6	20.	12.	
1,2-Dibromoethane	106-93-4	54.	6.0	
1,3-Dichloropropane	142-28-9	56.	6.0	
Tetrachloroethene	127-18-4	53.	6.0	
Dibromochloromethane	124-48-1	53.	6.0	
Chlorobenzene	108-90-7	54.	6.0	
1,1,1,2-Tetrachloroethane	630-20-6	58.	6.0	

# LAS LABORATORIES

SPIKED SAMPLE RESULT  
VOLATILE ORGANICS BY GC/MS

Client Sample ID:	97BPXLIA4SD01(01)	LAL Sample ID:	46007MSD
Date Collected:	16-FEB-97	Date Received:	19-FEB-97
Date Analyzed:	24-FEB-97	Analytical Dilution:	1
		Analytical Batch ID:	022497-8260-D1
Percent Moisture:	17.13	Preparation Dilution:	0.990

CONSTITUENT	CAS NO	RESULT PPM	CONC. PPM	DATA QUALITY FLAG (S)
Ethylbenzene	100-41-4	38.	6.0	
m,p-Xylene	136777-61-2	42.	6.0	
o-Xylene	95-47-6	60.	6.0	
Styrene	100-42-5	50.	6.0	
Bromoform	75-25-2	54.	6.0	
Isopropylbenzene	98-82-8	56.	6.0	
1,1,2,2-Tetrachloroethane	79-34-5	47.	6.0	
1,2,3-Trichloropropane	96-18-4	59.	6.0	
n-Propylbenzene	103-65-1	56.	6.0	
Bromobenzene	108-86-1	54.	6.0	
1,3,5-Trimethylbenzene	108-67-8	61.	6.0	
2-Chlorotoluene	95-49-8	30.	6.0	
4-Chlorotoluene	106-43-4	50.	6.0	
tert-Butylbenzene	98-06-6	67.	6.0	
1,2,4-Trimethylbenzene	95-63-6	58.	6.0	
sec-Butylbenzene	135-98-8	57.	6.0	
p-Isopropyltoluene	99-87-6	57.	6.0	
1,3-Dichlorobenzene	541-73-1	50.	6.0	
1,4-Dichlorobenzene	106-46-7	49.	6.0	
n-Butylbenzene	104-51-8	49.	6.0	
1,2-Dichlorobenzene	95-50-1	52.	6.0	
1,2-Dibromo-3-chloropropane	96-12-8	30.	6.0	
1,2,4-Trichlorobenzene	120-82-1	41.	6.0	
Hexachlorobutadiene	87-68-3	37.	6.0	
Naphthalene	91-20-3	44.	6.0	
1,2,3-Trichlorobenzene	87-61-6	42.	6.0	

# LAS LABORATORIES

LCS DATA SUMMARY  
VOLATILE ORGANICS BY GC/MS

Client Sample ID:	Lab Ctrl Sample	LAL Sample ID:	46007LCS
Date Collected:	N/A	Date Received:	N/A
Date Analyzed:	24-FEB-97	Analytical Dilution:	1
Percent Moisture:	N/A	Analytical Batch ID:	022497-8260-D1
		Preparation Dilution:	0.990

CONCENTRATION	RECOVERY	GC LIMITS
1,2-Dichloroethane-d4	97%	77-127
Toluene-d8	100%	84-120
Bromofluorobenzene	99%	78-125

Constituent	Spiked Conc µg/g	GC Concentration µg/g	GC Recovery	GC Limits
1,1-Dichloroethene	49.5	47.3	96	54-138
Benzene	49.5	50.9	103	70-130
Trichloroethene	49.5	58.6	118	57-132
Toluene	49.5	51.1	103	71-129
Chlorobenzene	49.5	48.1	97	72-128



# LAS LABORATORIES

MATRIX SPIKE DATA SUMMARY  
VOLATILE ORGANICS BY GC/MS

Client Sample ID: 97BPXLI4SD01(01)  
Date Collected: 16-FEB-97  
Date Analyzed: 24-FEB-97  
Percent Moisture: 17.13

LAL Sample ID: 46007MS  
Date Received: 19-FEB-97  
Analytical Dilution: 1  
Analytical Batch ID: 022197-8260-D1  
Preparation Dilution: 0.980

SURROGATE	RECOVERY	REFERENCE
1,2-Dichloroethane-d4	91%	77-127
Toluene-d8	98%	84-120
Bromofluorobenzene	91%	78-125

SURROGATE	RECOVERY	RECOVERY	RECOVERY	RECOVERY	REFERENCE
					REFERENCE
1,1-Dichloroethene	59.1	0.000	56.6	96	54-138
Benzene	59.1	0.000	57.5	97	70-130
Trichloroethene	59.1	0.000	60.4	102	57-132
Toluene	59.1	0.000	56.9	96	71-129
Chlorobenzene	59.1	0.000	54.1	91	72-128

# LAS LABORATORIES

MATRIX SPIKE DATA SUMMARY  
VOLATILE ORGANICS BY GC/MS

Client Sample ID: 97BPXLI4SD01(01)  
Date Collected: 16-FEB-97  
Date Analyzed: 24-FEB-97  
Percent Moisture: 17.13

LAL Sample ID: 46007MS  
Date Received: 19-FEB-97  
Analytical Dilution: 1  
Analytical Batch ID: 022197-8260-D1  
Preparation Dilution: 0.980

SURROGATE	RECOVERY	CONCENTRATION
1,2-Dichloroethane-d4	91%	77-127
Toluene-d8	98%	84-120
Bromofluorobenzene	91%	78-125

Compound	Spiked Concentration (ppb)	Sample Concentration (ppb)	Recovery (%)	Reference Range
1,1-Dichloroethene	59.1	0.000	56.6	96 54-138
Benzene	59.1	0.000	57.5	97 70-130
Trichloroethene	59.1	0.000	60.4	102 57-132
Toluene	59.1	0.000	56.9	96 71-129
Chlorobenzene	59.1	0.000	54.1	91 72-128

# LAS LABORATORIES

MATRIX SPIKE DUPLICATE DATA SUMMARY  
VOLATILE ORGANICS BY GC/MS

Client Sample ID: 97BPXLIA4SD01(01)  
Date Collected: 16-FEB-97  
Date Analyzed: 24-FEB-97  
Percent Moisture: 17.13

LAL Sample ID: 46007MSD  
Date Received: 19-FEB-97  
Analytical Dilution: 1  
Analytical Batch ID: 022197-8260-D1  
Preparation Dilution: 0.990

Compound	Recovery	GC Results
1,2-Dichloroethane-d4	94%	77-127
Toluene-d8	99%	84-120
Bromofluorobenzene	89%	78-125

Compound	Concentration (ppm)	Recovery (%)	LSD	GC Results		
				GC	Recovery	
1,1-Dichloroethene	59.7	54.4	91	5	22	54-138
Benzene	59.7	58.2	97	0	21	70-130
Trichloroethene	59.7	60.3	101	1	24	57-132
Toluene	59.7	58.6	98	2	21	71-129
Chlorobenzene	59.7	54.4	91	0	21	72-128

# LAS LABORATORIES

MATRIX SPIKE DUPLICATE DATA SUMMARY  
VOLATILE ORGANICS BY GC/MS

Client Sample ID:	97BPXLIA4SD01(01)	LAL Sample ID:	46007MSD
Date Collected:	16-FEB-97	Date Received:	19-FEB-97
Date Analyzed:	24-FEB-97	Analytical Dilution:	1
		Analytical Batch ID:	022197-8260-D1
Percent Moisture:	17.13	Preparation Dilution:	0.990

Compound	Recovery	GC Results
1,2-Dichloroethane-d4	94%	77-127
Toluene-d8	99%	84-120
Bromofluorobenzene	89%	78-125

Compound	Spike Conc. (ug/L)	Lab Conc. (ug/L)	Recovery (%)	Std. Dev.	GC Results	
					Rep	Recovery
1,1-Dichloroethene	59.7	54.4	91	5	22	54-138
Benzene	59.7	58.2	97	0	21	70-130
Trichloroethene	59.7	60.3	101	1	24	57-132
Toluene	59.7	58.6	98	2	21	71-129
Chlorobenzene	59.7	54.4	91	0	21	72-128

# LAS LABORATORIES

VOLATILE INTERNAL STANDARD  
REA AND RT SUMMARY

Instrument ID: GC/MS-D

Date/Time Analyzed: 21-FEB-97 1757

Analytical Batch ID: 022197-8260-D1

	IS1 (PFB) Area	RT	IS2 (DFB) Area	RT	IS3 (CBZ) Area	RT	IS4 (DCB) Area	RT
12 HOUR STD	1077894	10.80	1828675	12.28	1710322	16.83	1679519	20.99
UPPER LIMIT	2155788	11.30	3657350	12.78	3420644	17.33	3359038	21.49
LOWER LIMIT	538947	10.30	914338	11.78	855161	16.33	839760	20.49
CUSTOMER SAMPLE NO.								
Method Blank	1113507	10.81	1835703	12.29	1796273	16.83	1538773	20.98
Lab Ctrl Sample	995715	10.80	1721974	12.28	1674017	16.82	1545448	20.99
97BPXLIB10SD62(08)	795804	10.80	1431612	12.28	1226841	16.82	953084	20.97
97BPXLI11SD02(08)	812568	10.80	1631751	12.28	885290	16.82	1176179	20.97
97BPXLIC2SD01(01)	914475	10.80	1426595	12.28	1273103	16.82	893396	20.96
97BPXLIC2SD02(08)	1021932	10.79	1636462	12.28	1450597	16.82	1197053	20.97
97BPXLIC2SD61(08)	983546	10.80	1561843	12.28	1371031	16.82	1123958	20.96
97BPXLIC4SD02(08)	870510	10.80	1385040	12.28	1283674	16.82	968594	20.96
97BPXLIA4SD02(08)	899867	10.80	1501433	12.27	1309723	16.82	1017067	20.96
97BPXLIA6SD01(01)	899426	10.81	1448054	12.28	1174679	16.82	799171*	20.97
97BPXLIA6SD02(08)	687117	10.80	1110828	12.28	870905	16.82	612581*	20.97
97BPXLIA6SD62(08)	679368	10.80	1090082	12.28	905641	16.82	645721*	20.97
97BPXLIA8SD01(01)	29382*	10.81	47430*	12.29	37015*	16.81	23206*	20.96
97BPXLIA4SD01(01)	904316	10.84	1447852	12.30	1317864	16.87	1051139	21.01
97BPXLIA4SD01(01)MS	936078	10.80	1509373	12.29	1381518	16.83	1214107	20.99
97BPXLIA4SD01(01)MSD	897891	10.80	1423953	12.29	1304055	16.83	1084600	20.99

IS1 (PFB) = Pentafluorobenzene  
 IS2 (DFB) = 1,4-Difluorobenzene  
 IS3 (CBZ) = Chlorobenzene-d5  
 IS4 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area  
 AREA LOWER LIMIT = -50% of internal standard area  
 RT UPPER LIMIT = +0.50 minutes of internal standard RT  
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside of QC limits with an asterisk.  
 \* Values outside of QC limits.

# LAS LABORATORIES

VOLATILE ORGANICS BY GC/MS  
8260 VOLATILES

Client Sample ID: 97BPXLIC4SD01(01)	LAL Sample ID: L8849-102
Date Collected: 15-FEB-97	Date Received: 19-FEB-97
Date Analyzed: 26-FEB-97	Analytical Dilution: 1
Matrix: Soil	Analytical Batch ID: 022597-8260-D1
Percent Moisture: 19.41	Preparation Dilution: 0.980

SURROGATE	RECOVERY	GC RANGE
1,2-Dichloroethane-d4	94%	77-127
Toluene-d8	91%	84-120
Bromofluorobenzene	77% *	78-125

CONSTITUENT	CHK. NO.	RESULT ug/kg	PCB ug/kg	DATA QUALIFIER (S)
Dichlorodifluoromethane	75-71-8	<6.1	6.1	
Chloromethane	74-87-3	<6.1	6.1	
Vinyl Chloride	75-01-4	<6.1	6.1	
Bromomethane	74-83-9	<6.1	6.1	
Chloroethane	75-00-3	<6.1	6.1	
Trichlorofluoromethane	75-69-4	<6.1	6.1	
Freon 113	76-13-1	<12.	12.	
Acetone	67-64-1	31.	12.	
1,1-Dichloroethene	75-35-4	<6.1	6.1	
Carbon Disulfide	75-15-0	<6.1	6.1	
Methylene Chloride	75-09-2	<6.1	6.1	
trans-1,2-Dichloroethene	156-60-5	<6.1	6.1	
Vinyl Acetate	108-05-4	<12.	12.	
1,1-Dichloroethane	75-34-3	<6.1	6.1	
2-Butanone	78-93-3	<12.	12.	
2,2-Dichloropropane	594-20-7	<6.1	6.1	
cis-1,2-Dichloroethene	156-59-2	<6.1	6.1	
Chloroform	67-66-3	<6.1	6.1	
Bromochloromethane	74-97-5	<6.1	6.1	
1,1,1-Trichloroethane	71-55-6	<6.1	6.1	
2-Chloroethylvinylether	110-75-8	<24.	24.	
1,1-Dichloropropene	563-58-6	<6.1	6.1	
Carbon tetrachloride	56-23-5	<6.1	6.1	
1,2-Dichloroethane	107-06-2	<6.1	6.1	
Benzene	71-43-2	<6.1	6.1	
Trichloroethene	79-01-6	<6.1	6.1	
1,2-Dichloropropane	78-87-5	<6.1	6.1	
Bromodichloromethane	75-27-4	<6.1	6.1	
Dibromomethane	74-95-3	<6.1	6.1	
4-Methyl-2-Pentanone	108-10-1	<12.	12.	
cis-1,3-Dichloropropene	10061-01-5	<6.1	6.1	
Toluene	108-88-3	<6.1	6.1	
trans-1,3-Dichloropropene	10061-02-6	<6.1	6.1	
1,1,2-Trichloroethane	79-00-5	<6.1	6.1	
2-Hexanone	591-78-6	<12.	12.	
1,2-Dibromoethane	106-93-4	<6.1	6.1	
1,3-Dichloropropane	142-28-9	<6.1	6.1	
Tetrachloroethene	127-18-4	<6.1	6.1	
Dibromochloromethane	124-48-1	<6.1	6.1	
Chlorobenzene	108-90-7	<6.1	6.1	
1,1,1,2-Tetrachloroethane	630-20-6	<6.1	6.1	

# LAS LABORATORIES

VOLATILE ORGANICS BY GC/MS  
8260 VOLATILES

Client Sample ID:	97BPXLIC4SD01(01)	LAL Sample ID:	L8849-102
Date Collected:	15-FEB-97	Date Received:	19-FEB-97
Date Analyzed:	26-FEB-97	Analytical Dilution:	1
Matrix:	Soil	Analytical Batch ID:	022597-8260-D1
Percent Moisture:	19.41	Preparation Dilution:	0.980

CONSTITUENT	CAS NO	RESULT	PCB	DATA QUALITY (S)
		µg/g	(µg)	
Ethylbenzene	100-41-4	<6.1	6.1	
m,p-Xylene	136777-61-2	<6.1	6.1	
o-Xylene	95-47-6	<6.1	6.1	
Styrene	100-42-5	<6.1	6.1	
Bromoform	75-25-2	<6.1	6.1	
Isopropylbenzene	98-82-8	<6.1	6.1	
1,1,2,2-Tetrachloroethane	79-34-5	<6.1	6.1	
1,2,3-Trichloropropane	96-18-4	<6.1	6.1	
n-Propylbenzene	103-65-1	<6.1	6.1	
Bromobenzene	108-86-1	<6.1	6.1	
1,3,5-Trimethylbenzene	108-67-8	<6.1	6.1	
2-Chlorotoluene	95-49-8	<6.1	6.1	
4-Chlorotoluene	106-43-4	<6.1	6.1	
tert-Butylbenzene	98-06-6	<6.1	6.1	
1,2,4-Trimethylbenzene	95-63-6	<6.1	6.1	
sec-Butylbenzene	135-98-8	<6.1	6.1	
p-Isopropyltoluene	99-87-6	<6.1	6.1	
1,3-Dichlorobenzene	541-73-1	<6.1	6.1	
1,4-Dichlorobenzene	106-46-7	<6.1	6.1	
n-Butylbenzene	104-51-8	<6.1	6.1	
1,2-Dichlorobenzene	95-50-1	<6.1	6.1	
1,2-Dibromo-3-chloropropane	96-12-8	<6.1	6.1	
1,2,4-Trichlorobenzene	120-82-1	<6.1	6.1	
Hexachlorobutadiene	87-68-3	<6.1	6.1	
Naphthalene	91-20-3	<6.1	6.1	
1,2,3-Trichlorobenzene	87-61-6	<6.1	6.1	

# LAS LABORATORIES

VOLATILE ORGANICS BY GC/MS  
8260 VOLATILES

Client Sample ID: 97BPXLIC4SD01(01)	LAL Sample ID: L8849-102
Date Collected: 15-FEB-97	Date Received: 19-FEB-97
Date Analyzed: 25-FEB-97	Analytical Dilution: 1
Matrix: Soil	Analytical Batch ID: 022597-8260-D1
Percent Moisture: 19.41	Preparation Dilution: 0.980

SURROGATE	RECOVERY	GC INJECTION
1,2-Dichloroethane-d4	98%	77-127
Toluene-d8	88%	84-120
Bromofluorobenzene	75% *	78-125

COMPOUND	CAL. NO.	RESULT ug/kg	LOD ug/kg	DATA QUALITY INDEX
Dichlorodifluoromethane	75-71-8	<6.1	6.1	
Chloromethane	74-87-3	<6.1	6.1	
Vinyl Chloride	75-01-4	<6.1	6.1	
Bromomethane	74-83-9	<6.1	6.1	
Chloroethane	75-00-3	<6.1	6.1	
Trichlorofluoromethane	75-69-4	<6.1	6.1	
Freon 113	76-13-1	<12.	12.	
Acetone	67-64-1	42.	12.	
1,1-Dichloroethene	75-35-4	<6.1	6.1	
Carbon Disulfide	75-15-0	<6.1	6.1	
Methylene Chloride	75-09-2	<6.1	6.1	
trans-1,2-Dichloroethene	156-60-5	<6.1	6.1	
Vinyl Acetate	108-05-4	<12.	12.	
1,1-Dichloroethane	75-34-3	<6.1	6.1	
2-Butanone	78-93-3	<12.	12.	
2,2-Dichloropropane	594-20-7	<6.1	6.1	
cis-1,2-Dichloroethene	156-59-2	<6.1	6.1	
Chloroform	67-66-3	<6.1	6.1	
Bromochloromethane	74-97-5	<6.1	6.1	
1,1,1-Trichloroethane	71-55-6	<6.1	6.1	
2-Chloroethylvinylether	110-75-8	<24.	24.	
1,1-Dichloropropene	563-58-6	<6.1	6.1	
Carbon tetrachloride	56-23-5	<6.1	6.1	
1,2-Dichloroethane	107-06-2	<6.1	6.1	
Benzene	71-43-2	<6.1	6.1	
Trichloroethene	79-01-6	<6.1	6.1	
1,2-Dichloropropane	78-87-5	<6.1	6.1	
Bromodichloromethane	75-27-4	<6.1	6.1	
Dibromomethane	74-95-3	<6.1	6.1	
4-Methyl-2-Pentanone	108-10-1	<12.	12.	
cis-1,3-Dichloropropene	10061-01-5	<6.1	6.1	
Toluene	108-88-3	<6.1	6.1	
trans-1,3-Dichloropropene	10061-02-6	<6.1	6.1	
1,1,2-Trichloroethane	79-00-5	<6.1	6.1	
2-Hexanone	591-78-6	<12.	12.	
1,2-Dibromoethane	106-93-4	<6.1	6.1	
1,3-Dichloropropene	142-28-9	<6.1	6.1	
Tetrachloroethene	127-18-4	<6.1	6.1	
Dibromochloromethane	124-48-1	<6.1	6.1	
Chlorobenzene	108-90-7	<6.1	6.1	
1,1,1,2-Tetrachloroethane	630-20-6	<6.1	6.1	



# LAS LABORATORIES

VOLATILE ORGANICS BY GC/MS  
8260 VOLATILES

Client Sample ID:	97BPXLIC4SD01(01)	LAL Sample ID:	L8849-102
Date Collected:	15-FEB-97	Date Received:	19-FEB-97
Date Analyzed:	25-FEB-97	Analytical Dilution:	1
Matrix:	Soil	Analytical Batch ID:	022597-8260-D1
Percent Moisture:	19.41	Preparation Dilution:	0.980

COMPOUND	CAS NO.	RESULT ug/kg	LOL ug/kg	DATA QUALIFIER (S)
Ethylbenzene	100-41-4	<6.1	6.1	
m,p-Xylene	136777-61-2	<6.1	6.1	
o-Xylene	95-47-6	<6.1	6.1	
Styrene	100-42-5	<6.1	6.1	
Bromoform	75-25-2	<6.1	6.1	
Isopropylbenzene	98-82-8	<6.1	6.1	
1,1,2,2-Tetrachloroethane	79-34-5	<6.1	6.1	
1,2,3-Trichloropropane	96-18-4	<6.1	6.1	
n-Propylbenzene	103-65-1	<6.1	6.1	
Bromobenzene	108-86-1	<6.1	6.1	
1,3,5-Trimethylbenzene	108-67-8	<6.1	6.1	
2-Chlorotoluene	95-49-8	<6.1	6.1	
4-Chlorotoluene	106-43-4	<6.1	6.1	
tert-Butylbenzene	98-06-6	<6.1	6.1	
1,2,4-Trimethylbenzene	95-63-6	<6.1	6.1	
sec-Butylbenzene	135-98-8	<6.1	6.1	
p-Isopropyltoluene	99-87-6	<6.1	6.1	
1,3-Dichlorobenzene	541-73-1	<6.1	6.1	
1,4-Dichlorobenzene	106-46-7	<6.1	6.1	
n-Butylbenzene	104-51-8	<6.1	6.1	
1,2-Dichlorobenzene	95-50-1	<6.1	6.1	
1,2-Dibromo-3-chloropropane	96-12-8	<6.1	6.1	
1,2,4-Trichlorobenzene	120-82-1	<6.1	6.1	
Hexachlorobutadiene	87-68-3	<6.1	6.1	
Naphthalene	91-20-3	<6.1	6.1	
1,2,3-Trichlorobenzene	87-61-6	<6.1	6.1	

# LAS LABORATORIES

VOLATILE ORGANICS BY GC/MS  
8260 VOLATILES

Client Sample ID: 97BPXLIIISD01(01)	LAL Sample ID: L8849-107
Date Collected: 15-FEB-97	Date Received: 19-FEB-97
Date Analyzed: 26-FEB-97	Analytical Dilution: 1
Matrix: Soil	Analytical Batch ID: 022597-8260-D1
Percent Moisture: N/A	Preparation Dilution: 1.00

SURROGATE	RECOVERY	CC RANGE
1,2-Dichloroethane-d4	97%	77-127
Toluene-d8	84%	84-120
Bromofluorobenzene	70% *	78-125

COMPOUND	CAS NO.	RESULT ug/kg	LOQ ug/kg	DATA QUALITY (P15)
Dichlorodifluoromethane	75-71-8	<5.0	5.0	
Chloromethane	74-87-3	<5.0	5.0	
Vinyl Chloride	75-01-4	<5.0	5.0	
Bromomethane	74-83-9	<5.0	5.0	
Chloroethane	75-00-3	<5.0	5.0	
Trichlorofluoromethane	75-69-4	<5.0	5.0	
Freon 113	76-13-1	<10.	10.	
Acetone	67-64-1	31.	10.	
1,1-Dichloroethene	75-35-4	<5.0	5.0	
Carbon Disulfide	75-15-0	<5.0	5.0	
Methylene Chloride	75-09-2	<5.0	5.0	
trans-1,2-Dichloroethene	156-60-5	<5.0	5.0	
Vinyl Acetate	108-05-4	<10.	10.	
1,1-Dichloroethane	75-34-3	<5.0	5.0	
2-Butanone	78-93-3	<10.	10.	
2,2-Dichloropropane	594-20-7	<5.0	5.0	
cis-1,2-Dichloroethene	156-59-2	<5.0	5.0	
Chloroform	67-66-3	<5.0	5.0	
Bromochloromethane	74-97-5	<5.0	5.0	
1,1,1-Trichloroethane	71-55-6	<5.0	5.0	
2-Chloroethylvinylether	110-75-8	<20.	20.	
1,1-Dichloropropene	563-58-6	<5.0	5.0	
Carbon tetrachloride	56-23-5	<5.0	5.0	
1,2-Dichloroethane	107-06-2	<5.0	5.0	
Benzene	71-43-2	<5.0	5.0	
Trichloroethene	79-01-6	<5.0	5.0	
1,2-Dichloropropane	78-87-5	<5.0	5.0	
Bromodichloromethane	75-27-4	<5.0	5.0	
Dibromomethane	74-95-3	<5.0	5.0	
4-Methyl-2-Pentanone	108-10-1	<10.	10.	
cis-1,3-Dichloropropene	10061-01-5	<5.0	5.0	
Toluene	108-88-3	<5.0	5.0	
trans-1,3-Dichloropropene	10061-02-6	<5.0	5.0	
1,1,2-Trichloroethane	79-00-5	<5.0	5.0	
2-Hexanone	591-78-6	<10.	10.	
1,2-Dibromoethane	106-93-4	<5.0	5.0	
1,3-Dichloropropane	142-28-9	<5.0	5.0	
Tetrachloroethene	127-18-4	<5.0	5.0	
Dibromochloromethane	124-48-1	<5.0	5.0	
Chlorobenzene	108-90-7	<5.0	5.0	
1,1,1,2-Tetrachloroethane	630-20-6	<5.0	5.0	

# LAS LABORATORIES

OLATILE ORGANICS BY GC/MS  
8260 VOLATILES

Client Sample ID:	97BPXLIIISD01(01)	LAL Sample ID:	L8849-107
Date Collected:	15-FEB-97	Date Received:	19-FEB-97
Date Analyzed:	26-FEB-97	Analytical Dilution:	1
Matrix:	Soil	Analytical Batch ID:	022597-8260-D1
Percent Moisture:	N/A	Preparation Dilution:	1.00

CONSTITUENT	LAB NO.	RESULT mg/kg	PQL ug/kg	DATA QUALIFIER (S)
Ethylbenzene	100-41-4	<5.0	5.0	
m,p-Xylene	136777-61-2	<5.0	5.0	
o-Xylene	95-47-6	<5.0	5.0	
Styrene	100-42-5	<5.0	5.0	
Bromoform	75-25-2	<5.0	5.0	
Isopropylbenzene	98-82-8	<5.0	5.0	
1,1,2,2-Tetrachloroethane	79-34-5	<5.0	5.0	
1,2,3-Trichloropropane	96-18-4	<5.0	5.0	
n-Propylbenzene	103-65-1	<5.0	5.0	
Bromobenzene	108-86-1	<5.0	5.0	
1,3,5-Trimethylbenzene	108-67-8	<5.0	5.0	
2-Chlorotoluene	95-49-8	<5.0	5.0	
4-Chlorotoluene	106-43-4	<5.0	5.0	
tert-Butylbenzene	98-06-6	<5.0	5.0	
1,2,4-Trimethylbenzene	95-63-6	<5.0	5.0	
sec-Butylbenzene	135-98-8	<5.0	5.0	
p-Isopropyltoluene	99-87-6	<5.0	5.0	
1,3-Dichlorobenzene	541-73-1	<5.0	5.0	
1,4-Dichlorobenzene	106-46-7	<5.0	5.0	
n-Butylbenzene	104-51-8	<5.0	5.0	
1,2-Dichlorobenzene	95-50-1	<5.0	5.0	
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	5.0	
1,2,4-Trichlorobenzene	120-82-1	<5.0	5.0	
Hexachlorobutadiene	87-68-3	<5.0	5.0	
Naphthalene	91-20-3	<5.0	5.0	
1,2,3-Trichlorobenzene	87-61-6	<5.0	5.0	

# LAS LABORATORIES

VOLATILE ORGANICS BY GC/MS  
8260 VOLATILES

Client Sample ID: 97BPXLIISD01(01)	LAL Sample ID: L8849-107
Date Collected: 15-FEB-97	Date Received: 19-FEB-97
Date Analyzed: 26-FEB-97	Analytical Dilution: 1
Matrix: Soil	Analytical Batch ID: 022597-8260-D1
Percent Moisture: 23.19	Preparation Dilution: 0.970

CONSTITUENT	RECOVERY	GC Limits
1,2-Dichloroethane-d4	97%	77-127
Toluene-d8	87%	84-120
Bromofluorobenzene	70% *	78-125

CONSTITUENT	CAS No.	RESULT ng/kg	PQL ng/kg	DATA QUALITY
Dichlorodifluoromethane	75-71-8	<6.3	6.3	
Chloromethane	74-87-3	<6.3	6.3	
Vinyl Chloride	75-01-4	<6.3	6.3	
Bromomethane	74-83-9	<6.3	6.3	
Chloroethane	75-00-3	<6.3	6.3	
Trichlorofluoromethane	75-69-4	<6.3	6.3	
Freon 113	76-13-1	<13.	13.	
Acetone	67-64-1	53.	13.	
1,1-Dichloroethene	75-35-4	<6.3	6.3	
Carbon Disulfide	75-15-0	<6.3	6.3	
Methylene Chloride	75-09-2	<6.3	6.3	
trans-1,2-Dichloroethene	156-60-5	<6.3	6.3	
Vinyl Acetate	108-05-4	<13.	13.	
1,1-Dichloroethane	75-34-3	<6.3	6.3	
2-Butanone	78-93-3	<13.	13.	
2,2-Dichloropropane	594-20-7	<6.3	6.3	
cis-1,2-Dichloroethene	156-59-2	<6.3	6.3	
Chloroform	67-66-3	<6.3	6.3	
Bromochloromethane	74-97-5	<6.3	6.3	
1,1,1-Trichloroethane	71-55-6	<6.3	6.3	
2-Chloroethylvinylether	110-75-8	<25.	25.	
1,1-Dichloropropene	563-58-6	<6.3	6.3	
Carbon tetrachloride	56-23-5	<6.3	6.3	
1,2-Dichloroethane	107-06-2	<6.3	6.3	
Benzene	71-43-2	<6.3	6.3	
Trichloroethene	79-01-6	<6.3	6.3	
1,2-Dichloropropane	78-87-5	<6.3	6.3	
Bromodichloromethane	75-27-4	<6.3	6.3	
Dibromomethane	74-95-3	<6.3	6.3	
4-Methyl-2-Pentanone	108-10-1	<13.	13.	
cis-1,3-Dichloropropene	10061-01-5	<6.3	6.3	
Toluene	108-88-3	<6.3	6.3	
trans-1,3-Dichloropropene	10061-02-6	<6.3	6.3	
1,1,2-Trichloroethane	79-00-5	<6.3	6.3	
2-Hexanone	591-78-6	<13.	13.	
1,2-Dibromoethane	106-93-4	<6.3	6.3	
1,3-Dichloropropane	142-28-9	<6.3	6.3	
Tetrachloroethene	127-18-4	<6.3	6.3	
Dibromochloromethane	124-48-1	<6.3	6.3	
Chlorobenzene	108-90-7	<6.3	6.3	
1,1,1,2-Tetrachloroethane	630-20-6	<6.3	6.3	

# LAS LABORATORIES

OLATILE ORGANICS BY GC/MS  
8260 VOLATILES

Client Sample ID:	97BPXLIILSD01(01)	LAL Sample ID:	L8849-107
Date Collected:	15-FEB-97	Date Received:	19-FEB-97
Date Analyzed:	26-FEB-97	Analytical Dilution:	1
Matrix:	Soil	Analytical Batch ID:	022597-8260-D1
Percent Moisture:	23.19	Preparation Dilution:	0.970

COMPOUND	CONC. NO.	RESULT	UCL	DATA QUALIFIER(S)
		ug/kg	ug/kg	
Ethylbenzene	100-41-4	<6.3	6.3	
m,p-Xylene	136777-61-2	<6.3	6.3	
o-Xylene	95-47-6	<6.3	6.3	
Styrene	100-42-5	<6.3	6.3	
Bromoform	75-25-2	<6.3	6.3	
Isopropylbenzene	98-82-8	<6.3	6.3	
1,1,2,2-Tetrachloroethane	79-34-5	<6.3	6.3	
1,2,3-Trichloropropane	96-18-4	<6.3	6.3	
n-Propylbenzene	103-65-1	<6.3	6.3	
Bromobenzene	108-86-1	<6.3	6.3	
1,3,5-Trimethylbenzene	108-67-8	<6.3	6.3	
2-Chlorotoluene	95-49-8	<6.3	6.3	
4-Chlorotoluene	106-43-4	<6.3	6.3	
tert-Butylbenzene	98-06-6	<6.3	6.3	
1,2,4-Trimethylbenzene	95-63-6	<6.3	6.3	
sec-Butylbenzene	135-98-8	<6.3	6.3	
p-Isopropyltoluene	99-87-6	<6.3	6.3	
1,3-Dichlorobenzene	541-73-1	<6.3	6.3	
1,4-Dichlorobenzene	106-46-7	<6.3	6.3	
n-Butylbenzene	104-51-8	<6.3	6.3	
1,2-Dichlorobenzene	95-50-1	<6.3	6.3	
1,2-Dibromo-3-chloropropane	96-12-8	<6.3	6.3	
1,2,4-Trichlorobenzene	120-82-1	<6.3	6.3	
Hexachlorobutadiene	87-68-3	<6.3	6.3	
Naphthalene	91-20-3	<6.3	6.3	
1,2,3-Trichlorobenzene	87-61-6	<6.3	6.3	

# LAS LABORATORIES

VOLATILE ORGANICS BY GC/MS  
8260 VOLATILES

Client Sample ID:	97BPXLI1A1OSD02(08)	LAL Sample ID:	L8849-84
Date Collected:	16-FEB-97	Date Received:	19-FEB-97
Date Analyzed:	25-FEB-97	Analytical Dilution:	1
Matrix:	Soil	Analytical Batch ID:	022497-8260-D1
Percent Moisture:	44.6	Preparation Dilution:	0.990

COMPONENT	RECOVERY	GC RANGE
1,2-Dichloroethane-d4	93%	77-127
Toluene-d8	89%	84-120
Bromofluorobenzene	77% *	78-125

COMPONENT	CONC. NO.	RESULT	UNIT
		ug/kg	ug/kg
Dichlorodifluoromethane	75-71-8	<8.9	8.9
Chloromethane	74-87-3	<8.9	8.9
Vinyl Chloride	75-01-4	<8.9	8.9
Bromomethane	74-83-9	<8.9	8.9
Chloroethane	75-00-3	<8.9	8.9
Trichlorofluoromethane	75-69-4	<8.9	8.9
Freon 113	76-13-1	<18.	18.
Acetone	67-64-1	100	18.
1,1-Dichloroethene	75-35-4	<8.9	8.9
Carbon Disulfide	75-15-0	<8.9	8.9
Methylene Chloride	75-09-2	<8.9	8.9
trans-1,2-Dichloroethene	156-60-5	<8.9	8.9
Vinyl Acetate	108-05-4	<18.	18.
1,1-Dichloroethane	75-34-3	<8.9	8.9
2-Butanone	78-93-3	23.	18.
2,2-Dichloropropane	594-20-7	<8.9	8.9
cis-1,2-Dichloroethene	156-59-2	<8.9	8.9
Chloroform	67-66-3	<8.9	8.9
Bromochloromethane	74-97-5	<8.9	8.9
1,1,1-Trichloroethane	71-55-6	<8.9	8.9
2-Chloroethylvinylether	110-75-8	<36.	36.
1,1-Dichloropropene	563-58-6	<8.9	8.9
Carbon tetrachloride	56-23-5	<8.9	8.9
1,2-Dichloroethane	107-06-2	<8.9	8.9
Benzene	71-43-2	<8.9	8.9
Trichloroethene	79-01-6	<8.9	8.9
1,2-Dichloropropane	78-87-5	<8.9	8.9
Bromodichloromethane	75-27-4	<8.9	8.9
Dibromomethane	74-95-3	<8.9	8.9
4-Methyl-2-Pentanone	108-10-1	<18.	18.
cis-1,3-Dichloropropene	10061-01-5	<8.9	8.9
Toluene	108-88-3	<8.9	8.9
trans-1,3-Dichloropropene	10061-02-6	<8.9	8.9
1,1,2-Trichloroethane	79-00-5	<8.9	8.9
2-Hexanone	591-78-6	<18.	18.
1,2-Dibromoethane	106-93-4	<8.9	8.9
1,3-Dichloropropene	142-28-9	<8.9	8.9
Tetrachloroethene	127-18-4	<8.9	8.9
Dibromochloromethane	124-48-1	<8.9	8.9
Chlorobenzene	108-90-7	<8.9	8.9
1,1,1,2-Tetrachloroethane	630-20-6	<8.9	8.9

# LAS LABORATORIES

VOLATILE ORGANICS BY GC/MS  
#260 VOLATILES

Client Sample ID:	97BPXLI1A10SD02(08)	LAL Sample ID:	L8849-84
Date Collected:	16-FEB-97	Date Received:	19-FEB-97
Date Analyzed:	25-FEB-97	Analytical Dilution:	1
Matrix:	Soil	Analytical Batch ID:	022497-8260-D1
Percent Moisture:	44.6	Preparation Dilution:	0.990

CONSTITUENT	CLIENT ID	RESULT	UCL	DATA QUALIFIER (S)
Ethylbenzene	100-41-4	<8.9	8.9	
m,p-Xylene	136777-61-2	<8.9	8.9	
o-Xylene	95-47-6	<8.9	8.9	
Styrene	100-42-5	<8.9	8.9	
Bromoform	75-25-2	<8.9	8.9	
Isopropylbenzene	98-82-8	<8.9	8.9	
1,1,2,2-Tetrachloroethane	79-34-5	<8.9	8.9	
1,2,3-Trichloropropane	96-18-4	<8.9	8.9	
n-Propylbenzene	103-65-1	<8.9	8.9	
Bromobenzene	108-86-1	<8.9	8.9	
1,3,5-Trimethylbenzene	108-67-8	<8.9	8.9	
2-Chlorotoluene	95-49-8	<8.9	8.9	
4-Chlorotoluene	106-43-4	<8.9	8.9	
tert-Butylbenzene	98-06-6	<8.9	8.9	
1,2,4-Trimethylbenzene	95-63-6	<8.9	8.9	
sec-Butylbenzene	135-98-8	<8.9	8.9	
p-Isopropyltoluene	99-87-6	<8.9	8.9	
1,3-Dichlorobenzene	541-73-1	<8.9	8.9	
1,4-Dichlorobenzene	106-46-7	<8.9	8.9	
n-Butylbenzene	104-51-8	<8.9	8.9	
1,2-Dichlorobenzene	95-50-1	<8.9	8.9	
1,2-Dibromo-3-chloropropane	96-12-8	<8.9	8.9	
1,2,4-Trichlorobenzene	120-82-1	<8.9	8.9	
Hexachlorobutadiene	87-68-3	<8.9	8.9	
Naphthalene	91-20-3	<8.9	8.9	
1,2,3-Trichlorobenzene	87-61-6	<8.9	8.9	

# LAS LABORATORIES

VOLATILE ORGANICS BY GC/MS  
8260 VOLATILES

Client Sample ID:	97BPXLI1A10SD02(08)	LAL Sample ID:	L8849-84
Date Collected:	16-FEB-97	Date Received:	19-FEB-97
Date Analyzed:	25-FEB-97	Analytical Dilution:	1
Matrix:	Soil	Analytical Batch ID:	022597-8260-D1
Percent Moisture:	44.6	Preparation Dilution:	1.00

ORGANIC	RECOVERY	GC RANGE
1,2-Dichloroethane-d4	92%	77-127
Toluene-d8	88%	84-120
Bromofluorobenzene	68% *	78-125

CONSTITUENT	GC No.	RESULT ug/kg	LOQ ug/kg	DATA QUALITY (1-5)
Dichlorodifluoromethane	75-71-8	<9.0	9.0	
Chloromethane	74-87-3	<9.0	9.0	
Vinyl Chloride	75-01-4	<9.0	9.0	
Bromomethane	74-83-9	<9.0	9.0	
Chloroethane	75-00-3	<9.0	9.0	
Trichlorofluoromethane	75-69-4	<9.0	9.0	
Freon 113	76-13-1	<18.	18.	
Acetone	67-64-1	180	18.	
1,1-Dichloroethene	75-35-4	<9.0	9.0	
Carbon Disulfide	75-15-0	13.	9.0	
Methylene Chloride	75-09-2	<9.0	9.0	
trans-1,2-Dichloroethene	156-60-5	<9.0	9.0	
Vinyl Acetate	108-05-4	<18.	18.	
1,1-Dichloroethane	75-34-3	<9.0	9.0	
2-Butanone	78-93-3	41.	18.	
2,2-Dichloropropane	594-20-7	<9.0	9.0	
cis-1,2-Dichloroethene	156-59-2	<9.0	9.0	
Chloroform	67-66-3	<9.0	9.0	
Bromochloromethane	74-97-5	<9.0	9.0	
1,1,1-Trichloroethane	71-55-6	<9.0	9.0	
2-Chloroethylvinylether	110-75-8	<36.	36.	
1,1-Dichloropropene	563-58-6	<9.0	9.0	
Carbon tetrachloride	56-23-5	<9.0	9.0	
1,2-Dichloroethane	107-06-2	<9.0	9.0	
Benzene	71-43-2	<9.0	9.0	
Trichloroethene	79-01-6	<9.0	9.0	
1,2-Dichloropropane	78-87-5	<9.0	9.0	
Bromodichloromethane	75-27-4	<9.0	9.0	
Dibromomethane	74-95-3	<9.0	9.0	
4-Methyl-2-Pentanone	108-10-1	<18.	18.	
cis-1,3-Dichloropropene	10061-01-5	<9.0	9.0	
Toluene	108-88-3	<9.0	9.0	
trans-1,3-Dichloropropene	10061-02-6	<9.0	9.0	
1,1,2-Trichloroethane	79-00-5	<9.0	9.0	
2-Hexanone	591-78-6	<18.	18.	
1,2-Dibromoethane	106-93-4	<9.0	9.0	
1,3-Dichloropropane	142-28-9	<9.0	9.0	
Tetrachloroethene	127-18-4	<9.0	9.0	
Dibromochloromethane	124-48-1	<9.0	9.0	
Chlorobenzene	108-90-7	<9.0	9.0	
1,1,1,2-Tetrachloroethane	630-20-6	<9.0	9.0	



# LAS LABORATORIES

OLATILE ORGANICS BY GC/MS  
8260 VOLATILES

Client Sample ID:	97BPXLIA10SD02(08)	LAL Sample ID:	L8849-84
Date Collected:	16-FEB-97	Date Received:	19-FEB-97
Date Analyzed:	25-FEB-97	Analytical Dilution:	1
Matrix:	Soil	Analytical Batch ID:	022597-8260-D1
Percent Moisture:	44.6	Preparation Dilution:	1.00

CONSTITUENT	CAS NO	RESULT mg/kg	MDL mg/kg	DATE QUALIFIED (S)
Ethylbenzene	100-41-4	<9.0	9.0	
m,p-Xylene	136777-61-2	<9.0	9.0	
o-Xylene	95-47-6	<9.0	9.0	
Styrene	100-42-5	<9.0	9.0	
Bromoform	75-25-2	<9.0	9.0	
Isopropylbenzene	98-82-8	<9.0	9.0	
1,1,2,2-Tetrachloroethane	79-34-5	<9.0	9.0	
1,2,3-Trichloropropane	96-18-4	<9.0	9.0	
n-Propylbenzene	103-65-1	<9.0	9.0	
Bromobenzene	108-86-1	<9.0	9.0	
1,3,5-Trimethylbenzene	108-67-8	<9.0	9.0	
2-Chlorotoluene	95-49-8	<9.0	9.0	
4-Chlorotoluene	106-43-4	<9.0	9.0	
tert-Butylbenzene	98-06-6	<9.0	9.0	
1,2,4-Trimethylbenzene	95-63-6	<9.0	9.0	
sec-Butylbenzene	135-98-8	<9.0	9.0	
p-Isopropyltoluene	99-87-6	<9.0	9.0	
1,3-Dichlorobenzene	541-73-1	<9.0	9.0	
1,4-Dichlorobenzene	106-46-7	<9.0	9.0	
n-Butylbenzene	104-51-8	<9.0	9.0	
1,2-Dichlorobenzene	95-50-1	<9.0	9.0	
1,2-Dibromo-3-chloropropane	96-12-8	<9.0	9.0	
1,2,4-Trichlorobenzene	120-82-1	<9.0	9.0	
Hexachlorobutadiene	87-68-3	<9.0	9.0	
Naphthalene	91-20-3	<9.0	9.0	
1,2,3-Trichlorobenzene	87-61-6	<9.0	9.0	

# LAS LABORATORIES

VOLATILE ORGANICS BY GC/MS  
8260 VOLATILES

Client Sample ID:	97BPXLIB8SD02(08)	LAL Sample ID:	L8849-94
Date Collected:	15-FEB-97	Date Received:	19-FEB-97
Date Analyzed:	25-FEB-97	Analytical Dilution:	1
Matrix:	Soil	Analytical Batch ID:	022597-8260-D1
Percent Moisture:	28.76	Preparation Dilution:	0.970

ANALYTE	RECOVERY	GC RANGE
1,2-Dichloroethane-d4	97%	77-127
Toluene-d8	85%	84-120
Bromofluorobenzene	63% *	78-125

COMPONENT	CAS NO.	RESULT ug/kg	POP ug/kg	DATA QUALIFIER(S)
Dichlorodifluoromethane	75-71-8	<6.8	6.8	
Chloromethane	74-87-3	<6.8	6.8	
Vinyl Chloride	75-01-4	<6.8	6.8	
Bromomethane	74-83-9	<6.8	6.8	
Chloroethane	75-00-3	<6.8	6.8	
Trichlorofluoromethane	75-69-4	<6.8	6.8	
Freon 113	76-13-1	<14.	14.	
Acetone	67-64-1	44.	14.	
1,1-Dichloroethene	75-35-4	<6.8	6.8	
Carbon Disulfide	75-15-0	24.	6.8	
Methylene Chloride	75-09-2	<6.8	6.8	
trans-1,2-Dichloroethene	156-60-5	<6.8	6.8	
Vinyl Acetate	108-05-4	<14.	14.	
1,1-Dichloroethane	75-34-3	<6.8	6.8	
2-Butanone	78-93-3	<14.	14.	
2,2-Dichloropropane	594-20-7	<6.8	6.8	
cis-1,2-Dichloroethene	156-59-2	<6.8	6.8	
Chloroform	67-66-3	<6.8	6.8	
Bromochloromethane	74-97-5	<6.8	6.8	
1,1,1-Trichloroethane	71-55-6	<6.8	6.8	
2-Chloroethylvinylether	110-75-8	<27.	27.	
1,1-Dichloropropene	563-58-6	<6.8	6.8	
Carbon tetrachloride	56-23-5	<6.8	6.8	
1,2-Dichloroethane	107-06-2	<6.8	6.8	
Benzene	71-43-2	<6.8	6.8	
Trichloroethene	79-01-6	<6.8	6.8	
1,2-Dichloropropane	78-87-5	<6.8	6.8	
Bromodichloromethane	75-27-4	<6.8	6.8	
Dibromomethane	74-95-3	<6.8	6.8	
4-Methyl-2-Pentanone	108-10-1	<14.	14.	
cis-1,3-Dichloropropene	10061-01-5	<6.8	6.8	
Toluene	108-88-3	<6.8	6.8	
trans-1,3-Dichloropropene	10061-02-6	<6.8	6.8	
1,1,2-Trichloroethane	79-00-5	<6.8	6.8	
2-Hexanone	591-78-6	<14.	14.	
1,2-Dibromoethane	106-93-4	<6.8	6.8	
1,3-Dichloropropane	142-28-9	<6.8	6.8	
Tetrachloroethens	127-18-4	<6.8	6.8	
Dibromochloromethane	124-48-1	<6.8	6.8	
Chlorobenzene	108-90-7	<6.8	6.8	
1,1,1,2-Tetrachloroethane	630-20-6	<6.8	6.8	

# LAS LABORATORIES

OLATILE ORGANICS BY GC/MS  
8260 VOLATILES

Client Sample ID:	97BPXLIB8SD02(08)	LAL Sample ID:	L8849-94
Date Collected:	15-FEB-97	Date Received:	19-FEB-97
Date Analyzed:	25-FEB-97	Analytical Dilution:	1
Matrix:	Soil	Analytical Batch ID:	022597-8260-D1
Percent Moisture:	28.76	Preparation Dilution:	0.970

CONSTITUENT	CAS NO.	RESULT ug/kg	COL. ug/kg	DATA QUALIFIER(S)
Ethylbenzene	100-41-4	<6.8	6.8	
m,p-Xylene	136777-61-2	<6.8	6.8	
o-Xylene	95-47-6	<6.8	6.8	
Styrene	100-42-5	<6.8	6.8	
Bromoform	75-25-2	<6.8	6.8	
Isopropylbenzene	98-82-8	<6.8	6.8	
1,1,2,2-Tetrachloroethane	79-34-5	<6.8	6.8	
1,2,3-Trichloropropane	96-18-4	<6.8	6.8	
n-Propylbenzene	103-65-1	<6.8	6.8	
Bromobenzene	108-86-1	<6.8	6.8	
1,3,5-Trimethylbenzene	108-67-8	<6.8	6.8	
2-Chlorotoluene	95-49-8	<6.8	6.8	
4-Chlorotoluene	106-43-4	<6.8	6.8	
tert-Butylbenzene	98-06-6	<6.8	6.8	
1,2,4-Trimethylbenzene	95-63-6	<6.8	6.8	
sec-Butylbenzene	135-98-8	<6.8	6.8	
p-Isopropyltoluene	99-87-6	<6.8	6.8	
1,3-Dichlorobenzene	541-73-1	<6.8	6.8	
1,4-Dichlorobenzene	106-46-7	<6.8	6.8	
n-Butylbenzene	104-51-8	<6.8	6.8	
1,2-Dichlorobenzene	95-50-1	<6.8	6.8	
1,2-Dibromo-3-chloropropane	96-12-8	<6.8	6.8	
1,2,4-Trichlorobenzene	120-82-1	<6.8	6.8	
Hexachlorobutadiene	87-68-3	<6.8	6.8	
Naphthalene	91-20-3	<6.8	6.8	
1,2,3-Trichlorobenzene	87-61-6	<6.8	6.8	

# LAS LABORATORIES

VOLATILE ORGANICS BY GC/MS  
8260 VOLATILES

Client Sample ID:	97BPXLIB8SD02(08)	LAL Sample ID:	L8849-94
Date Collected:	15-FEB-97	Date Received:	19-FEB-97
Date Analyzed:	25-FEB-97	Analytical Dilution:	1
Matrix:	Soil	Analytical Batch ID:	022497-8260-D1
Percent Moisture:	28.76	Preparation Dilution:	1.00

SUBSTITUTE	RECOVERY	GC RANGE
1,2-Dichloroethane-d4	103%	77-127
Toluene-d8	87%	84-120
Bromofluorobenzene	70% *	78-125

CONSTITUENT	GC NO.	RESULT ug/kg	PGS ug/kg
Dichlorodifluoromethane	75-71-8	<7.0	7.0
Chloromethane	74-87-3	<7.0	7.0
Vinyl Chloride	75-01-4	<7.0	7.0
Bromomethane	74-83-9	<7.0	7.0
Chloroethane	75-00-3	<7.0	7.0
Trichlorofluoromethane	75-69-4	<7.0	7.0
Freon 113	76-13-1	<14.	14.
Acetone	67-64-1	47.	14.
1,1-Dichloroethene	75-35-4	<7.0	7.0
Carbon Disulfide	75-15-0	12.	7.0
Methylene Chloride	75-09-2	<7.0	7.0
trans-1,2-Dichloroethene	156-60-5	<7.0	7.0
Vinyl Acetate	108-05-4	<14.	14.
1,1-Dichloroethane	75-34-3	<7.0	7.0
2-Butanone	78-93-3	<14.	14.
2,2-Dichloropropane	594-20-7	<7.0	7.0
cis-1,2-Dichloroethene	156-59-2	<7.0	7.0
Chloroform	67-66-3	<7.0	7.0
Bromochloromethane	74-97-5	<7.0	7.0
1,1,1-Trichloroethane	71-55-6	<7.0	7.0
2-Chloroethylvinylether	110-75-8	<28.	28.
1,1-Dichloropropene	563-58-6	<7.0	7.0
Carbon tetrachloride	56-23-5	<7.0	7.0
1,2-Dichloroethane	107-06-2	<7.0	7.0
Benzene	71-43-2	<7.0	7.0
Trichloroethene	79-01-6	<7.0	7.0
1,2-Dichloropropane	78-87-5	<7.0	7.0
Bromodichloromethane	75-27-4	<7.0	7.0
Dibromomethane	74-95-3	<7.0	7.0
4-Methyl-2-Pentanone	108-10-1	<14.	14.
cis-1,3-Dichloropropene	10061-01-5	<7.0	7.0
Toluene	108-88-3	<7.0	7.0
trans-1,3-Dichloropropene	10061-02-6	<7.0	7.0
1,1,2-Trichloroethane	79-00-5	<7.0	7.0
2-Hexanone	591-78-6	<14.	14.
1,2-Dibromoethane	106-93-4	<7.0	7.0
1,3-Dichloropropane	142-28-9	<7.0	7.0
Tetrachloroethene	127-18-4	<7.0	7.0
Dibromochloromethane	124-48-1	<7.0	7.0
Chlorobenzene	108-90-7	<7.0	7.0
1,1,1,2-Tetrachloroethane	630-20-6	<7.0	7.0

# LAS LABORATORIES

VOLATILE ORGANICS BY GC/MS  
8260 VOLATILES

Client Sample ID: 97BPXLIB8SD02(08)  
Date Collected: 15-FEB-97  
Date Analyzed: 25-FEB-97  
Matrix: Soil  
Percent Moisture: 28.76

LAL Sample ID: L8849-94  
Date Received: 19-FEB-97  
Analytical Dilution: 1  
Analytical Batch ID: 022497-8260-D1  
Preparation Dilution: 1.00

COMPOUND	CAS NO.	RESULT ug/kg	LOD ug/kg	DATA QUALIFIER(S)
Ethylbenzene	100-41-4	<7.0	7.0	
m,p-Xylene	136777-61-2	<7.0	7.0	
o-Xylene	95-47-6	<7.0	7.0	
Styrene	100-42-5	<7.0	7.0	
Bromoform	75-25-2	<7.0	7.0	
Isopropylbenzene	98-82-8	<7.0	7.0	
1,1,2,2-Tetrachloroethane	79-34-5	<7.0	7.0	
1,2,3-Trichloropropane	96-18-4	<7.0	7.0	
n-Propylbenzene	103-65-1	<7.0	7.0	
Bromobenzene	108-86-1	<7.0	7.0	
1,3,5-Trimethylbenzene	108-67-8	<7.0	7.0	
2-Chlorotoluene	95-49-8	<7.0	7.0	
4-Chlorotoluene	106-43-4	<7.0	7.0	
tert-Butylbenzene	98-06-6	<7.0	7.0	
2,4-Trimethylbenzene	95-63-6	<7.0	7.0	
sec-Butylbenzene	135-98-8	<7.0	7.0	
p-Isopropyltoluene	99-87-6	<7.0	7.0	
1,3-Dichlorobenzene	541-73-1	<7.0	7.0	
1,4-Dichlorobenzene	106-46-7	<7.0	7.0	
n-Butylbenzene	104-51-8	<7.0	7.0	
1,2-Dichlorobenzene	95-50-1	<7.0	7.0	
1,2-Dibromo-3-chloropropane	96-12-8	<7.0	7.0	
1,2,4-Trichlorobenzene	120-82-1	<7.0	7.0	
Hexachlorobutadiene	87-68-3	<7.0	7.0	
Naphthalene	91-20-3	<7.0	7.0	
1,2,3-Trichlorobenzene	87-61-6	<7.0	7.0	

# LAS LABORATORIES

VOLATILE ORGANICS BY GC/MS  
8260 VOLATILES

Client Sample ID: 97BPXLIB8SD01(01)	LAL Sample ID: L8849-98
Date Collected: 15-FEB-97	Date Received: 19-FEB-97
Date Analyzed: 25-FEB-97	Analytical Dilution: 1
Matrix: Soil	Analytical Batch ID: 022597-8260-D1
Percent Moisture: 28.44	Preparation Dilution: 1.00

SURROGATE	RECOVERY	PRECISION
1,2-Dichloroethane-d4	96%	77-127
Toluene-d8	83% *	84-120
Bromofluorobenzene	72% *	78-125

CONSTITUENT	GC No.	RESULT mg/kg	LOD mg/kg	DATA QUALITY INDEX
Dichlorodifluoromethane	75-71-8	<7.0	7.0	
Chloromethane	74-87-3	<7.0	7.0	
Vinyl Chloride	75-01-4	<7.0	7.0	
Bromomethane	74-83-9	<7.0	7.0	
Chloroethane	75-00-3	<7.0	7.0	
Trichlorofluoromethane	75-69-4	<7.0	7.0	
Freon 113	76-13-1	<14.	14.	
Acetone	67-64-1	27.	14.	
1,1-Dichloroethene	75-35-4	<7.0	7.0	
Carbon Disulfide	75-15-0	<7.0	7.0	
Methylene Chloride	75-09-2	<7.0	7.0	
trans-1,2-Dichloroethene	156-60-5	<7.0	7.0	
Vinyl Acetate	108-05-4	<14.	14.	
1,1-Dichloroethane	75-34-3	<7.0	7.0	
2-Butanone	78-93-3	<14.	14.	
2,2-Dichloropropane	594-20-7	<7.0	7.0	
cis-1,2-Dichloroethene	156-59-2	<7.0	7.0	
Chloroform	67-66-3	<7.0	7.0	
Bromochloromethane	74-97-5	<7.0	7.0	
1,1,1-Trichloroethane	71-55-6	<7.0	7.0	
2-Chloroethylvinylether	110-75-8	<28.	28.	
1,1-Dichloropropene	563-58-6	<7.0	7.0	
Carbon tetrachloride	56-23-5	<7.0	7.0	
1,2-Dichloroethane	107-06-2	<7.0	7.0	
Benzene	71-43-2	<7.0	7.0	
Trichloroethene	79-01-6	<7.0	7.0	
1,2-Dichloropropane	78-87-5	<7.0	7.0	
Bromodichloromethane	75-27-4	<7.0	7.0	
Dibromomethane	74-95-3	<7.0	7.0	
4-Methyl-2-Pentanone	108-10-1	<14.	14.	
cis-1,3-Dichloropropene	10061-01-5	<7.0	7.0	
Toluene	108-88-3	<7.0	7.0	
trans-1,3-Dichloropropene	10061-02-6	<7.0	7.0	
1,1,2-Trichloroethane	79-00-5	<7.0	7.0	
2-Hexanone	591-78-6	<14.	14.	
1,2-Dibromoethane	106-93-4	<7.0	7.0	
1,3-Dichloropropane	142-28-9	<7.0	7.0	
Tetrachloroethene	127-18-4	<7.0	7.0	
Dibromochloromethane	124-48-1	<7.0	7.0	
Chlorobenzene	108-90-7	<7.0	7.0	
1,1,1,2-Tetrachloroethane	630-20-6	<7.0	7.0	

# LAS LABORATORIES

VLATILE ORGANICS BY GC/MS  
8260 VOLATILES

Client Sample ID:	97BPXLIB8SD01(01)	LAL Sample ID:	L8849-98
Date Collected:	15-FEB-97	Date Received:	19-FEB-97
Date Analyzed:	25-FEB-97	Analytical Dilution:	1
Matrix:	Soil	Analytical Batch ID:	022597-8260-D1
Percent Moisture:	28.44	Preparation Dilution:	1.00

CONSTITUENT	CLIENT ID	RESULT	LOD	DATA QUALIFIER (6)
Ethylbenzene	100-41-4	<7.0	7.0	
m,p-Xylene	136777-61-2	<7.0	7.0	
o-Xylene	95-47-6	<7.0	7.0	
Styrene	100-42-5	<7.0	7.0	
Bromoform	75-25-2	<7.0	7.0	
Isopropylbenzene	98-82-8	<7.0	7.0	
1,1,2,2-Tetrachloroethane	79-34-5	<7.0	7.0	
1,2,3-Trichloropropane	96-18-4	<7.0	7.0	
n-Propylbenzene	103-65-1	<7.0	7.0	
Bromobenzene	108-86-1	<7.0	7.0	
1,3,5-Trimethylbenzene	108-67-8	<7.0	7.0	
2-Chlorotoluene	95-49-8	<7.0	7.0	
4-Chlorotoluene	106-43-4	<7.0	7.0	
tert-Butylbenzene	98-06-6	<7.0	7.0	
1,2,4-Trimethylbenzene	95-63-6	<7.0	7.0	
sec-Butylbenzene	135-98-8	<7.0	7.0	
p-Isopropyltoluene	99-87-6	<7.0	7.0	
1,3-Dichlorobenzene	541-73-1	<7.0	7.0	
1,4-Dichlorobenzene	106-46-7	<7.0	7.0	
n-Butylbenzene	104-51-8	<7.0	7.0	
1,2-Dichlorobenzene	95-50-1	<7.0	7.0	
1,2-Dibromo-3-chloropropane	96-12-8	<7.0	7.0	
1,2,4-Trichlorobenzene	120-82-1	<7.0	7.0	
Hexachlorobutadiene	87-68-3	<7.0	7.0	
Naphthalene	91-20-3	<7.0	7.0	
1,2,3-Trichlorobenzene	87-61-6	<7.0	7.0	

# LAS LABORATORIES

VOLATILE ORGANICS BY GC/MS  
8260 VOLATILES

Client Sample ID:	97BFXLIB8SD01(01)	LAL Sample ID:	L8849-98
Date Collected:	15-FEB-97	Date Received:	19-FEB-97
Date Analyzed:	25-FEB-97	Analytical Dilution:	1
Matrix:	Soil	Analytical Batch ID:	022497-8260-D1
Percent Moisture:	28.44	Preparation Dilution:	1.00

CONCENTRATION	RECOVERY	GC RANGE
1,2-Dichloroethane-d4	102%	77-127
Toluene-d8	60% *	84-120
Bromofluorobenzene	68% *	78-125

CONSTITUENT	GC RANGE	RESULT ug/kg	REMARKS ug/kg	RECOVERY %
Dichlorodifluoromethane	75-71-8	<7.0		7.0
Chloromethane	74-87-3	<7.0		7.0
Vinyl Chloride	75-01-4	<7.0		7.0
Bromomethane	74-83-9	<7.0		7.0
Chloroethane	75-00-3	<7.0		7.0
Trichlorofluoromethane	75-69-4	<7.0		7.0
Freon 113	76-13-1	<14.		14.
Acetone	67-64-1	60.		14.
1,1-Dichloroethene	75-35-4	<7.0		7.0
Carbon Disulfide	75-15-0	<7.0		7.0
Methylene Chloride	75-09-2	<7.0		7.0
trans-1,2-Dichloroethene	156-60-5	<7.0		7.0
Vinyl Acetate	108-05-4	<14.		14.
1,1-Dichloroethane	75-34-3	<7.0		7.0
2-Butanone	78-93-3	<14.		14.
2,2-Dichloropropane	594-20-7	<7.0		7.0
cis-1,2-Dichloroethene	156-59-2	<7.0		7.0
Chloroform	67-66-3	<7.0		7.0
Bromochloromethane	74-97-5	<7.0		7.0
1,1,1-Trichloroethane	71-55-6	<7.0		7.0
2-Chloroethylvinylether	110-75-8	<28.		28.
1,1-Dichloropropene	563-58-6	<7.0		7.0
Carbon tetrachloride	56-23-5	<7.0		7.0
1,2-Dichloroethane	107-06-2	<7.0		7.0
Benzene	71-43-2	<7.0		7.0
Trichloroethene	79-01-6	<7.0		7.0
1,2-Dichloropropane	78-87-5	<7.0		7.0
Bromodichloromethane	75-27-4	<7.0		7.0
Dibromomethane	74-95-3	<7.0		7.0
4-Methyl-2-Pentanone	108-10-1	<14.		14.
cis-1,3-Dichloropropene	10061-01-5	<7.0		7.0
Toluene	108-88-3	<7.0		7.0
trans-1,3-Dichloropropene	10061-02-6	<7.0		7.0
1,1,2-Trichloroethane	79-00-5	<7.0		7.0
2-Hexanone	591-78-6	<14.		14.
1,2-Dibromoethane	106-93-4	<7.0		7.0
1,3-Dichloropropane	142-28-9	<7.0		7.0
Tetrachloroethene	127-18-4	<7.0		7.0
Dibromochloromethane	124-48-1	<7.0		7.0
Chlorobenzene	108-90-7	<7.0		7.0
1,1,1,2-Tetrachloroethane	630-20-6	<7.0		7.0



# LAS LABORATORIES

LATILE ORGANICS BY GC/MS  
#260 VOLATILES

Client Sample ID:	97HPXLIB8SD01(01)	LAL Sample ID:	L8849-98
Date Collected:	15-FEB-97	Date Received:	19-FEB-97
Date Analyzed:	25-FEB-97	Analytical Dilution:	1
Matrix:	Soil	Analytical Batch ID:	022497-8260-D1
Percent Moisture:	28.44	Preparation Dilution:	1.00

CONSTITUENT	REF ID	RESULT	LO	DATA QUALIFIER (R)
		ug/kg	ug/kg	
Ethylbenzene	100-41-4	<7.0	7.0	
m,p-Xylene	136777-61-2	<7.0	7.0	
o-Xylene	95-47-6	<7.0	7.0	
Styrene	100-42-5	<7.0	7.0	
Bromoform	75-25-2	<7.0	7.0	
Isopropylbenzene	98-82-8	<7.0	7.0	
1,1,2,2-Tetrachloroethane	79-34-5	<7.0	7.0	
1,2,3-Trichloropropane	96-18-4	<7.0	7.0	
n-Propylbenzene	103-65-1	<7.0	7.0	
Bromobenzene	108-86-1	<7.0	7.0	
1,3,5-Trimethylbenzene	108-67-8	<7.0	7.0	
2-Chlorotoluene	95-49-8	<7.0	7.0	
4-Chlorotoluene	106-43-4	<7.0	7.0	
tert-Butylbenzene	98-06-6	<7.0	7.0	
2,4-Trimethylbenzene	95-63-6	<7.0	7.0	
sec-Butylbenzene	135-98-8	<7.0	7.0	
p-Isopropyltoluene	99-87-6	<7.0	7.0	
1,3-Dichlorobenzene	541-73-1	<7.0	7.0	
1,4-Dichlorobenzene	106-46-7	<7.0	7.0	
n-Butylbenzene	104-51-8	<7.0	7.0	
1,2-Dichlorobenzene	95-50-1	<7.0	7.0	
1,2-Dibromo-3-chloropropane	96-12-8	<7.0	7.0	
1,2,4-Trichlorobenzene	120-82-1	<7.0	7.0	
Hexachlorobutadiene	87-68-3	<7.0	7.0	
Naphthalene	91-20-3	<7.0	7.0	
1,2,3-Trichlorobenzene	87-61-6	<7.0	7.0	

# LAS LABORATORIES

SPIKED SAMPLE RESULT  
VOLATILE ORGANICS BY GC/MS

Client Sample ID:	Lab Ctrl Sample	LAL Sample ID:	46011LCS
Date Collected:	N/A	Date Received:	N/A
Date Analyzed:	25-FEB-97	Analytical Dilution:	1
Percent Moisture:	N/A	Analytical Batch ID:	022597-8260-01
		Preparation Dilution:	1.00

SUBSTRATE	RECOVERY	GC RANGE
1,2-Dichloroethane-d4	91%	77-127
Toluene-d8	95%	84-120
Bromofluorobenzene	79%	78-125

CONSTITUENT	CAS NO.	RESULT mg/kg	ML mg/kg	QUALITY INDEX
Dichlorodifluoromethane	75-71-8	48.	5.0	
Chloromethane	74-87-3	49.	5.0	
Vinyl Chloride	75-01-4	52.	5.0	
Bromomethane	74-83-9	50.	5.0	
Chloroethane	75-00-3	49.	5.0	
Trichlorofluoromethane	75-69-4	50.	5.0	
Freon 113	76-13-1	46.	10.	
Acetone	67-64-1	110	10.	
1,1-Dichloroethene	75-35-4	52.	5.0	
Carbon Disulfide	75-15-0	42.	5.0	
Methylene Chloride	75-09-2	50.	5.0	
trans-1,2-Dichloroethene	156-60-5	50.	5.0	
Vinyl Acetate	108-05-4	45.	10.	
1,1-Dichloroethane	75-34-3	55.	5.0	
2-Butanone	78-93-3	44.	10.	
2,2-Dichloropropane	594-20-7	55.	5.0	
cis-1,2-Dichloroethene	156-59-2	60.	5.0	
Chloroform	67-66-3	55.	5.0	
Bromochloromethane	74-97-5	53.	5.0	
1,1,1-Trichloroethane	71-55-6	53.	5.0	
2-Chloroethylvinylether	110-75-8	240	20.	
1,1-Dichloropropene	563-58-6	48.	5.0	
Carbon tetrachloride	56-23-5	46.	5.0	
1,2-Dichloroethane	107-06-2	48.	5.0	
Benzene	71-43-2	53.	5.0	
Trichloroethene	79-01-6	59.	5.0	
1,2-Dichloropropane	78-87-5	52.	5.0	
Bromodichloromethane	75-27-4	49.	5.0	
Dibromomethane	74-95-3	47.	5.0	
4-Methyl-2-Pentanone	108-10-1	31.	10.	
cis-1,3-Dichloropropene	10061-01-5	49.	5.0	
Toluene	108-88-3	49.	5.0	
trans-1,3-Dichloropropene	10061-02-6	48.	5.0	
1,1,2-Trichloroethane	79-00-5	51.	5.0	
2-Hexanone	591-78-6	16.	10.	
1,2-Dibromoethane	106-93-4	48.	5.0	
1,3-Dichloropropane	142-28-9	54.	5.0	
Tetrachloroethene	127-18-4	50.	5.0	
Dibromochloromethane	124-48-1	50.	5.0	
Chlorobenzene	108-90-7	47.	5.0	
1,1,1,2-Tetrachloroethane	630-20-6	51.	5.0	

# LAS LABORATORIES

SPIKED SAMPLE RESULT  
VOLATILE ORGANICS BY GC/MS

Client Sample ID:	Lab Ctrl Sample	LAL Sample ID:	46011LCS
Date Collected:	N/A	Date Received:	N/A
Date Analyzed:	25-FEB-97	Analytical Dilution:	1
		Analytical Batch ID:	022597-8260-D1
Percent Moisture:	N/A	Preparation Dilution:	1.00

CONCENTRATION	CONC. (PPM)	CONC. (PPM)	CONC. (PPM)	DATA QUALIFIED (S)
Ethylbenzene	100-41-4	47.	5.0	
m,p-Xylene	136777-61-2	94.	5.0	
o-Xylene	95-47-6	46.	5.0	
Styrene	100-42-5	44.	5.0	
Bromoforn	75-25-2	47.	5.0	
Isopropylbenzene	98-82-8	43.	5.0	
1,1,2,2-Tetrachloroethane	79-34-5	30.	5.0	
1,2,3-Trichloropropane	96-18-4	45.	5.0	
n-Propylbenzene	103-65-1	46.	5.0	
Bromobenzene	108-86-1	44.	5.0	
1,3,5-Trimethylbenzene	108-67-8	48.	5.0	
2-Chlorotoluene	95-49-8	47.	5.0	
4-Chlorotoluene	106-43-4	42.	5.0	
tert-Butylbenzene	98-06-6	50.	5.0	
1,2,4-Trimethylbenzene	95-63-6	45.	5.0	
sec-Butylbenzene	135-98-8	43.	5.0	
p-Isopropyltoluene	99-87-6	43.	5.0	
1,3-Dichlorobenzene	541-73-1	43.	5.0	
1,4-Dichlorobenzene	106-46-7	42.	5.0	
n-Butylbenzene	104-51-8	39.	5.0	
1,2-Dichlorobenzene	95-50-1	42.	5.0	
1,2-Dibromo-3-chloropropane	96-12-8	18.	5.0	
1,2,4-Trichlorobenzene	120-82-1	39.	5.0	
Hexachlorobutadiene	87-68-3	37.	5.0	
Naphthalene	91-20-3	38.	5.0	
1,2,3-Trichlorobenzene	87-61-6	38.	5.0	

# LAS LABORATORIES

VOLATILE ORGANICS BY GC/MS

Client Sample ID:	Method Blank	LAL Sample ID:	46011MB
Date Collected:	N/A	Date Received:	N/A
Date Analyzed:	25-FEB-97	Analytical Dilution:	1
Percent Moisture:	N/A	Analytical Batch ID:	022597-8260-D1
		Preparation Dilution:	1.00

SUBSTRATE	RECOVERY	ISOTOPE
1,2-Dichloroethane-d4	101%	77-127
Toluene-d8	87%	84-120
Bromofluorobenzene	79%	78-125

CONCENTRATION	CONC. (PPM)	RESULT (PPM)	REF. (PPM)
Dichlorodifluoromethane	75-71-8	<5.0	5.0
Chloromethane	74-87-3	<5.0	5.0
Vinyl Chloride	75-01-4	<5.0	5.0
Bromomethane	74-83-9	<5.0	5.0
Chloroethane	75-00-3	<5.0	5.0
Trichlorofluoromethane	75-69-4	<5.0	5.0
Freon 113	76-13-1	<10.	10.
Acetone	67-64-1	<10.	10.
1,1-Dichloroethene	75-35-4	<5.0	5.0
Carbon Disulfide	75-15-0	<5.0	5.0
Methylene Chloride	75-09-2	<5.0	5.0
trans-1,2-Dichloroethene	156-60-5	<5.0	5.0
Vinyl Acetate	108-05-4	<10.	10.
1,1-Dichloroethane	75-34-3	<5.0	5.0
2-Butanone	78-93-3	<10.	10.
2,2-Dichloropropane	594-20-7	<5.0	5.0
cis-1,2-Dichloroethene	156-59-2	<5.0	5.0
Chloroform	67-66-3	<5.0	5.0
Bromochloromethane	74-97-5	<5.0	5.0
1,1,1-Trichloroethane	71-55-6	<5.0	5.0
2-Chloroethylvinylether	110-75-8	<20.	20.
1,1-Dichloropropene	563-58-6	<5.0	5.0
Carbon tetrachloride	56-23-5	<5.0	5.0
1,2-Dichloroethane	107-06-2	<5.0	5.0
Benzene	71-43-2	<5.0	5.0
Trichloroethene	79-01-6	<5.0	5.0
1,2-Dichloropropane	78-87-5	<5.0	5.0
Bromodichloromethane	75-27-4	<5.0	5.0
Dibromomethane	74-95-3	<5.0	5.0
4-Methyl-2-Pentanone	108-10-1	<10.	10.
cis-1,3-Dichloropropane	10061-01-5	<5.0	5.0
Toluene	108-88-3	<5.0	5.0
trans-1,3-Dichloropropene	10061-02-6	<5.0	5.0
1,1,2-Trichloroethane	79-00-5	<5.0	5.0
2-Hexanone	591-78-6	<10.	10.
1,2-Dibromoethane	106-93-4	<5.0	5.0
1,3-Dichloropropane	142-28-9	<5.0	5.0
Tetrachloroethane	127-18-4	<5.0	5.0
Dibromochloromethane	124-48-1	<5.0	5.0
Chlorobenzene	108-90-7	<5.0	5.0
1,1,1,2-Tetrachloroethane	630-20-6	<5.0	5.0

# LAS LABORATORIES

OLATILE ORGANICS BY GC/MS

Client Sample ID: Method Blank  
Date Collected: N/A  
Date Analyzed: 25-FEB-97  
Percent Moisture: N/A

LAL Sample ID: 46011MB  
Date Received: N/A  
Analytical Dilution: 1  
Analytical Batch ID: 022597-8260-D1  
Preparation Dilution: 1.00

COMPOUNDS	REF ID	CONCENTRATION (PPM)	NOISE	DATA QUALIFIER (S)
Ethylbenzene	100-41-4	<5.0	5.0	
m,p-Xylene	136777-61-2	<5.0	5.0	
o-Xylene	95-47-6	<5.0	5.0	
Styrene	100-42-5	<5.0	5.0	
Bromoform	75-25-2	<5.0	5.0	
Isopropylbenzene	98-82-8	<5.0	5.0	
1,1,2,2-Tetrachloroethane	79-34-5	<5.0	5.0	
1,2,3-Trichloropropane	96-18-4	<5.0	5.0	
n-Propylbenzene	103-65-1	<5.0	5.0	
Bromobenzene	108-86-1	<5.0	5.0	
1,3,5-Trimethylbenzene	108-67-8	<5.0	5.0	
2-Chlorotoluene	95-49-8	<5.0	5.0	
4-Chlorotoluene	106-43-4	<5.0	5.0	
tert-Butylbenzene	98-06-6	<5.0	5.0	
1,2,4-Trimethylbenzene	95-63-6	<5.0	5.0	
sec-Butylbenzene	135-98-8	<5.0	5.0	
p-Isopropyltoluene	99-87-6	<5.0	5.0	
1,3-Dichlorobenzene	541-73-1	<5.0	5.0	
1,4-Dichlorobenzene	106-46-7	<5.0	5.0	
n-Butylbenzene	104-51-8	<5.0	5.0	
1,2-Dichlorobenzene	95-50-1	<5.0	5.0	
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	5.0	
1,2,4-Trichlorobenzene	120-82-1	<5.0	5.0	
Hexachlorobutadiene	87-68-3	<5.0	5.0	
Naphthalene	91-20-3	<5.0	5.0	
1,2,3-Trichlorobenzene	87-61-6	<5.0	5.0	

# LAS LABORATORIES

LCS DATA SUMMARY

VOLATILE ORGANICS BY GC/MS

Client Sample ID:	Lab Ctrl Sample	LAL Sample ID:	46011LCS
Date Collected:	N/A	Date Received:	N/A
Date Analyzed:	25-FEB-97	Analytical Dilution:	1
Percent Moisture:	N/A	Analytical Batch ID:	022597-8260-D1
		Preparation Dilution:	1.00

CONSTITUENT	RECOVERY	GC RANGE
1,2-Dichloroethane-d4	91%	77-127
Toluene-d8	95%	84-120
Bromofluorobenzene	79%	78-125

CONSTITUENT	SPIKE AMOUNT µg/g	GC CONCENTRATION µg/g	GC RECOVERY	GC RANGE
1,1-Dichloroethene	50.0	52.2	104	54-138
Benzene	50.0	52.6	105	70-130
Trichloroethene	50.0	58.5	117	57-132
Toluene	50.0	49.1	98	71-129
Chlorobenzene	50.0	47.3	95	72-128

# LAS

LCS DATA SUMMARY  
VOLATILE ORGANICS BY GC/MS

Client Sample ID:	Lab Ctrl Sample	LAL Sample ID:	46012LCS
Date Collected:	N/A	Date Received:	N/A
Date Analyzed:	25-FEB-97	Analytical Dilution:	1
		Analytical Batch ID:	022597-8260-C1
		Preparation Dilution:	1.00

SURROGATE	RECOVERY	QC Limits
1,2-Dichloroethane-d4	92%	84-122
Toluene-d8	95%	87-117
Bromofluorobenzene	92%	83-118

Constituent	Spike Added ug/L	LCS Concentration ug/L	LCS % Recovery	QC Limits
1,1-Dichloroethene	50.0	42.1	84	62-124
Benzene	50.0	44.7	89	68-128
Trichloroethene	50.0	44.2	88	65-125
Toluene	50.0	45.5	91	69-129
Chlorobenzene	50.0	43.4	87	68-128

















## **RUN LOGS / INJECTION LOGS**

Page 1



ANA. LYST	DATE	TIME OF INJ.	LAL #	DESCRIPTION/CLIENT	SOL #	MATRIX/DIL	DATA FILE	TIME FILE	METHOD FILE	OR	COMMENTS
✓	2/2/97	202		AFA 020997D	0971-39-5		TD2948	MD0321	MS0800	OK	
		212	VSTD200	VSTD020997D1	0971-40-1/2		49		DS8260		ALS-1 NO GOOD SOIL SPT GASES LOW
		220	VSTD150				50				2
		224	VSTD100				51				3
		230	VSTD050				52				4
		0000	VSTD020				53				5
✓	2/4/97	1239		AFA 020997D	0971-39-5		TD2954	MD0321	MS0800	OK	
		1110	VSTD200	VSTD020997D1	0971-40-1/2		54		DS8260		ALS-1 GOOD SOIL SPT 8260
		1250	VSTD150				56			OK	2
		1329	VSTD100				57			OK	3
		2008	VSTD050				58			OK	4
		2008	VSTD020				59			OK	5
		2122		BLANK	1175-48-3		60			OK	6
		2202	VSTD200	VSTD020997D1	0971-40-1/2		61		DS8260	OK	7 GOOD WATER 8260 Spt
		2240	VSTD100	VSTD020997D1			62			OK	8
		2300	VSTD050				63			OK	9
		1000	VSTD020				64			OK	11
		1000	VSTD020				65			OK	12
✓	2/10/97	1678		AFA 020997D	0971-39-5		TD2966	MD0321	MS0800	OK	
		1709	VSTD200	VSTD020997D1	0971-40-1/2		67		DS8260	OK	ALS-1
		1809		45424 MB	0971-40-1		68			OK	2
		1848		45424 CLS	0971-40-1	5-0029	69			OK	3
		1928	LS722-1	074009101			70			OK	4 PKal
		2007	LS722-4	074009102		5-1059	71			OK	5
		2046	LS722-5	074009103		5-0046	72			OK	6
		2126	LS722-6	074009104		5-0076	73			OK	7
		2205	LS722-7	074009105		5-0497	74			OK	8
		2245	LS722-8	074009106		5-0816	75			OK	1
		2324	LS722-9	074009107		5-0060	76			OK	2
		0000	LS722-10			5-0069	77			OK	3

ANA. LYST	DATE	TIME OF INJ.	LAL #	DESCRIPTION/CLIENT	SOL #	MATRIX/DR	DATA FILE	TUNE FILE	METHOD FILE	DR	COMMENTS
JH	2/19/97	1645		056021497D2	1977-99-5		703168	MD1321	ME.DA-91	OK	
		1712		157D021497D1	1977-99-10A		69		DW390	OK	ALS-1
		1600		45692MS	0977-99-21		70			OK	2
		1944	L8764-7	VN01863M	0977-99-21		71			OK	3 PH=7
		2110	45692MS		0977-99-21		72			OK	4 PH=7
		2150	45692MS		0977-99-21		73			OK	5 PH=7
		2226	L8780-1	97-HA-01A	0977-99-21		74			OK	6 PH=1
		2302	L8780-3	97-HA-01D			75			OK	7 PH=1
		2337	L8780-5	97-HA-01C			76			OK	8 PH=1
		0013	L8780-9	97-HA-01D			77			OK	9 PH=1
		0049	L8780-9	97-HA-01E			78			OK	11 PH=1
			L8810-2	97-HA-01E			79			OK	12
			L8810-15	97-HA-01E			80			OK	13
			L8810-19	97-HA-01E			81			OK	14
			45692MS				82			OK	15
			45692MS				83			OK	1
		1423	45692MS				84			OK	2
JH	2/19/97	1724		056021497D1	1977-99-5		763065	MD1321	ME.DA-91	OK	
		1807		157D021497D1	1977-99-10A		86		D58260	OK	ALS-1
		1945		45798MS	0977-99-3		87			OK	2
		2129		45798MS	0977-99-3		88			OK	3
		2211	L8811-2	AF7131-1306	0977-99-3	5-0089	89			OK	4
		2257	45798MS		0977-99-3	5-0026	90			OK	5
		2336	45798MS		0977-99-3	5-0026	91			OK	6 T.S. + S.M. out. PH
		0015	L8849-1	97BPXLE036P01	0977-99-3	5-0031	92			OK	7 T.S. + S.M. out. PH analysis
		0054	L8849-5	97BPXLE036P02		5-0031	93			OK	8
		0133	L8849-9	97BPXLE036P01(OL)		5-0031	94			OK	9 T.S. + S.M. out. PH analysis
		0212	L8849-13	97BPXLE036P02(OL)		5-0031	95			OK	11 T.S. + S.M. out. PH analysis
		0257	L8849-17	97BPXLE036P01(OL)		5-0031	96			OK	12 T.S. out. PH analysis
		0330	L8849-21	97BPXLE036P02(OL)		5-0031	97			OK	13 T.S. + S.M. out. PH analysis

ANALYST	DATE	TIME OF WJ.	LAL #	DESCRIPTION/CLIENT	SOL #	MATRIX/CHK	DATA FILE	TUNE FILE	METHOD FILE	DR	COMMENTS
JH	2/19/98	1922		06-502209721	0978-99-8		TD2198	MD1321	MD1321	OK	
		1752		V5TD12209721	1978-99-12		99		DSP260	OK	ALS-1
		1830		45872 MB	1978-99-3		704160			OK	2
		1909		45872 LLS	1978-99-1	5.0009	01			OK	3
		2034	18849-1	970X11835001	0978-49-3	5.0009	02			OK	4
		2112	45852 MB		1978-99-3	4.9989	03			OK	5
		2151	45852 MB			5.0089	04			OK	6
		2229	18849-9	970X11835011(01)	1978-49-3	5.0019	05			OK	7
		2308	18849-12	970X11835012(01)		5.0009	06			OK	8
		2346	18849-17	970X11835001(01)		4.9989	07			OK	9
		1025	18849-21	970X11835002(08)		5.0009	08			OK	11
		0104	18849-25	970X11835002(01)		5.0009	09			OK	12 T.S. + SURE out, Resample
		0142	18849-33	970X11835002(08)		5.0009	10			OK	13
		1221	18849-37	970X11835001(01)		5.0009	11			OK	14
		0259	18849-41	970X11835002(01)		5.0019	12			OK	15
		0238	18849-45	970X11835001(08)		5.0009	13			OK	1
											initial RAA found
JH	2/21/98	1927		06-12214721	0978-99-5		TD4014	MD1321	MD1321	OK	
		1757		V5TD12219721	0978-99-12		15		DSP260	OK	ALS-1
		1836		45925 MB	1978-99-3		16			OK	2
		1915		45925 LLS	1978-99-1	5.0009	17			OK	3
		1953	18849-25	970X11835002(08)	0978-49-3	5.0009	18			OK	4
		2032	18849-33	970X11835002(01)		5.0009	19			OK	5
		2111	18849-37	970X11835001(01)		5.0009	20			OK	6
		2150	18849-41	970X11835002(01)		5.0009	21			OK	7
		2228	18849-45	970X11835001(01)		4.9989	22			OK	8
		2307	18849-49	970X11835002(08)		5.0009	23			OK	9
		2346	18849-53	970X11835001(01)		5.0009	24			OK	11 T.S. out, Resample
		1025	18849-57	970X11835002(08)		5.0009	25			OK	12
		0103	18849-60	970X11835001(01)		5.0019	26			OK	13 T.S. + SURE out, Resample
		0142	18849-64	970X11835001(08)		4.9989	27			OK	14
		0221	18849-68	970X11835002(08)		5.0009	28			OK	15

LOCKHEED ANALYTICAL LAB

REVIEWED BY

INSTRUMENT ID # 05/MS-D

LOGBOOK#

LAL-99-100-0028

PAGE #

000059

ANA (YST)	DATE	TIME OF INJ	IAL #	DESCRIPTION/CLIENT	SOL #	MATRIX/CON	DATA FILE	TUNE FILE	METHOD FILE	DR	COMMENTS
TR	2/2/89	1255	1004-72	978KLEA1501(01)	0978-01-2		70029	M0121	DSF260	RE	MS-1 T.S. + GUCR met
		1338	1197-72	978KLEA1501(02)			↓ 30	↓	↓		2
TR	2/2/89	1604		978KLEA1501(01)	0978-01-5		700091	M0121	M0121	RE	
		1636		978KLEA1501(02)	0978-01-12		32		DSF260	RE	MS-1
		1715		4600MS	0978-01-3		33			RE	2
		1762		4600MS	0978-01-7	5-0069	34			RE	3
		1828	1004-53	978KLEA1501(01)	0978-01-5	5-0115	35			RE	4
		1910	4601MS		0978-01-1	5-0029	36			RE	5
		1948	4600MS			5-0069	37			RE	6
		2009	1004-60	978KLEA1501(01)	0978-01-5	5-0119	38			RE	7 Suck out, Report w/ 700026
		2100	1004-60	978KLEA1501(02)		5-0129	39			RE	8 S.S. met, Report w/ 700027
		2157	1004-60	978KLEA1501(01)		5-0069	40			RE	9 T.S. met, Report w/ 700028
		2236	1004-71	978KLEA1501(02)		4-9986	41			RE	11
		2284	1004-71	978KLEA1501(01)		5-0069	42			RE	12 T.S. + Suck out, Report w/ 700030
		2354	1004-70	978KLEA1501(01)		5-0069	43			RE	13
		0032	1004-84	978KLEA1501(01)		5-0069	44			RE	14 Suck out, Report w/ 700031
		0111	1004-88	978KLEA1501(01)		5-0069	45			RE	15 MS-1
		0150	1004-91	978KLEA1501(01)		5-0069	46			RE	1 T.S. + Suck out, Report w/ 700032
		0220	1004-91	978KLEA1501(01)		5-0069	47			RE	2
TR	2/2/89	1531		4600MS	0978-01-5		700088	M0121	M0121	RE	
		1607		4600MS	0978-01-12		48		DSF260	RE	MS-1
		1648		4600MS	0978-01-3		49			RE	2 Suck out
		1728		4600MS	0978-01-1	5-0069	50			RE	3
		2109		4600MS	0978-01-5	5-0069	51			RE	2
		2148	1004-91	978KLEA1501(01)		5-0069	52			RE	4 Suck out, Report w/ 700034
		2229	1004-91	978KLEA1501(01)		5-0129	53			RE	5 S.S. met, Report w/ 700036
		2306	1004-91	978KLEA1501(01)		5-0069	54			RE	6 Suck out, Report w/ 700037
		2345	1004-102	978KLEA1501(01)		5-0069	55			RE	7 Suck out, Report w/ 700038
		0014	1004-07	978KLEA1501(01)		5-0129	56			RE	8 Suck out, Report w/ 700039
		0103	1004-102	978KLEA1501(01)		5-0069	57			RE	4 Suck out, Report w/ 700040
		0143	1004-102	978KLEA1501(01)		5-0069	58			RE	7 Suck out, Report w/ 700041

ANALYST	DATE OF INJ.	TIME OF INJ.	ALS NO.	LAS SAMPLE ID	DESCRIPTION/ CLIENT SAMPLE ID	SOLUTION ID	MA DILUTION	DATA FILE	TUNE FILE	METHOD FILE	DR?	COMMENTS
CH	2/20/97	0306	1	45779MS	9702120907	0978-49-5	5ml H <sub>2</sub> O	C3958	MC0604	CMCIPAF	DNR	MSD outside tune, see C5966
+	+	0351	2	45779MSD	↓	↓	↓	6050	↓	↓	↓	inside 12 hr. tune, see C5969
CH	2/20/97	0804	DI	TUNE	BFB020097C1	0978-50-1	—	C3961	MC0604	MECBFB	OK	
		0838	2	CCV	VSTD45822	0978-49-2	5ml H <sub>2</sub> O	62		CMCIPAF	OK	
		0936	2	45822 LCS	LCS	0978-49-2	↓	63		↓	OK	
		1022	4	Blank	Cleaning	0978-49-2	↓	64		↓	OK	
		1107	5	45822 MB	Method Blank	↓	↓	65		↓	OK	
		1151	6	L8841-10	(1) 9702120913	↓	↓	66		↓	OK	pH=7
		1235	7	L8841-16	(12) 9702121157	↓	↓	67		↓	OK	↓
		1320	8	45779MS	9702120907	0978-49-2	↓	68		↓	OK	↓
↓	↓	1405	10	45779MSD	↓	↓	↓	69	↓	↓	OK	↓
CH	2/24/97	3:58	DI	TUNE	BFB022497C1	0978-50-1	—	C3970	MC0604	MECBFB	OK	
		4:34	2	CCV	VSTD022497C1	0978-49-2	5ml H <sub>2</sub> O	71		CMCIPAF	DNR	
		5:38	?	↓	↓	↓	↓	72		↓	↓	
		7:51	DI	TUNE	BFB022497C1	0978-50-1	↓	73		↓	OK	
		8:24	1	VSTD020	IC020022497C1	0978-49-2	5ml H <sub>2</sub> O	74		↓	OK	
		9:14	2	VSTD060	IC050022497C1	↓	↓	75		↓	OK	
		9:59	4	VSTD100	IC100022497C1	↓	↓	76		↓	OK	GOOD 9240 H <sub>2</sub> O Spt. Initial Cal. N/ From 21.123A & IPA
		10:43	5	VSTD150	IC150022497C1	↓	↓	77		↓	OK	
		11:27	6	VSTD200	IC200022497C1	↓	↓	78		↓	OK	
		18:12	7	5 PPB	5 PPB Verification	↓	↓	79		↓	OK	
		12:56	8	Blank	46009 LCS LCS	0978-49-2	↓	80		↓	OK	
		1:41	10	46009 LCS DUP	LCS DUP	0978-49-2	↓	81		↓	OK	
		2:26	11	Blank	Cleaning Blank	0978-49-2	↓	82		↓	OK	
		3:11	12	46009 MB	Method Blank	↓	↓	83		↓	OK	
		3:56	13	L8874-18	030452-012/Tip Blank	↓	↓	84		↓	OK	
		4:40	14	L8874-4	030452-024/TTR	↓	↓	85		↓	OK	
↓	↓	5:26	16	Blank	Blank	↓	↓	86	↓	↓	OK	
CH	2/25/97	4:23	1	↓	↓	↓	↓	87	↓	↓	OK	
CH	2/25/97	4:57	DI	TUNE	BFB022597C1	0978-50-1	—	C3988	MC0604	MECBFB	OK	

S NO. = Tekmar Purge and Trap Autosampler Position Number. For Data Reportable? (DR?) Column: DNR = Do Not Report; Rep = Report (QC failure, report with another analysis); OK = Report (No QC failure). GC/MS VOA DOS

INJ. NO.	DATE OF INJ.	TIME OF INJ.	ALS NO.	LAS SAMPLE ID	DESCRIPTION/ CLIENT SAMPLE ID	SOLUTION ID	MATRIX/ DILUTION	DATA FILE	TUNE FILE	METHOD FILE	DR? 2/20/99	COMMENTS
1	2/20/99	5:28		DLV	VSTD022597C1	0978-62-1	5ml/10	C3989	MCD604	WJETAF	OK	
		6:10		46012CS		0978-62-1		90		WJETAF	OK	
		6:59		Blank		0978-62-1		91			DNR	
		7:39		46012MB				92			OK	
		8:28		Blank				93			DNR	
		9:13		L8844-91	97BPXL1021497			94			OK	
		10:07		46012SDP		0978-62-1		95				
				Blank		0978-62-1		96				
				L8874-18	030482-012/TRIP BLANK			97				
				L8874-4	030482-004/TTR			98				
				L8863-51	SKD00003			99				
				L8863-53	SKD00004			400				
				L8863-54	SKD00005			401				

74

0 = Tekmer Purge and Trap Autosampler Position Number. For Data Reportable? (DR?) Column: DNR = Do Not Report; Rep = Report (QC failure, report with another analysis); OK = Report (No QC failure).

GC/MS VOA DOS



# **SAMPLE RESULTS FORMS AND QC SUMMARIES**

