

US EPA ARCHIVE DOCUMENT

ATTACHMENT A

CENTREDALE MANOR SITE

SOIL AND SEDIMENT SAMPLE RESULTS

**SEMIVOLATILE ORGANIC COMPOUNDS AND
PESTICIDES/POLYCHLORINATED BIPHENYLS**

Samples collected by START on 9 September 1998

**DATA SUMMARY KEY
ORGANIC DATA VALIDATION**

- J = The associated numerical value is an estimated quantity.
- R = The data are unusable (compound may or may not be present). Resampling and reanalysis are necessary for verification. The R replaces the numerical value or sample quantitation limit.
- U = The compound was analyzed for, but not detected. The associated numerical value is the sample quantitation limit or the adjusted sample quantitation limit.
- UJ = The compound was analyzed for, but not detected. The associated numerical value is the estimated sample quantitation limit.
- EB = The compound was identified in an aqueous equipment blank (EB) that was used to assess field contamination associated with soil/sediment samples.
- TB = The compound was identified in an aqueous trip blank (TB) that was used to assess field contamination associated with soil/sediment samples.
- BB = The compound was identified in an aqueous bottle blank (BB) that was used to assess field contamination associated with soil/sediment samples.

SITE: CENTREDALE MANOR
CASE: 16464 SOG: APA72
LABORATORY: COMPUCHEM

TABLE 1
SEMI-VOLATILE SOIL ANALYSIS
µg/kg

SAMPLE NUMBER: SAMPLE LOCATION: LABORATORY NUMBER:	APA72 SS-01 909467	APA73 SS-02 909470	APA74 SS-03 909473	APA75 SS-04 909474	APA76 SS-05 909475	APA77 SS-06 909476
COMPOUND	CRQL					
Phenol	330	430 U	2200 EB	51 J,EB	430 U	480 U
bis(2-Chloroethyl) ether	330	430 U	520 U	400 U	430 U	480 U
2-Chlorophenol	330	430 U	520 U	400 U	430 U	480 U
1,3-Dichlorobenzene	330	430 U	520 U	400 U	430 U	480 U
1,4-Dichlorobenzene	330	430 U	520 U	400 U	430 U	480 U
1,2-Dichlorobenzene	330	430 U	520 U	400 U	430 U	480 U
2-Methylphenol	330	430 U	520 U	400 U	430 U	480 U
2,2'-Oxybis(1-chloropropane)	330	430 U	520 U	400 U	430 U	480 U
4-Methylphenol	330	430 U	60 J	400 U	430 U	480 U
N-Nitroso-di-n-propylamine	330	430 U	520 U	400 U	430 U	480 U
Hexachloroethane	330	430 U	520 U	400 U	430 U	480 U
Nitrobenzene	330	430 U	520 U	400 U	430 U	480 U
Isophorone	330	430 U	790	400 U	430 U	480 U
2-Nitrophenol	330	430 U	520 U	400 U	430 U	480 U
2,4-Dimethylphenol	330	430 U	520 U	400 U	430 U	480 U
bis(2-Chloroethoxy)methane	330	430 U	520 U	400 U	430 U	480 U
2,4-Dichlorophenol	330	430 U	520 U	400 U	430 U	480 U
1,2,4-Trichlorobenzene	330	430 U	520 U	400 U	430 U	480 U
Napthalene	330	430 U	130 J	400 U	110 J	480 U
4-Chloroaniline	330	430 U	520 U	400 U	430 U	480 U
Hexachlorobutadiene	330	430 U	520 U	400 U	430 U	480 U
4-Chloro-3-methylphenol	330	430 U	520 U	400 U	430 U	480 U
2-Methylnapthalene	330	430 U	520 U	400 U	78 J	480 U
Hexachlorocyclopentadiene	330	430 U	520 U	400 U	430 U	480 U
2,4,6-Trichlorophenol	330	430 U	520 U	400 U	430 U	480 U
2,4,5-Trichlorophenol	830	1100 U	1300 U	1000 U	180 J	1200 U
2-Chloronapthalene	330	430 U	520 U	400 U	430 U	480 U
2-Nitroaniline	830	1100 U	1300 U	1000 U	1100 U	1200 U
Dimethylphthalate	330	430 U	520 U	400 U	430 U	480 U
Acenaphthylene	330	430 U	520 U	400 U	380 J	58 J
5-Dinitrotoluene	330	430 U	520 U	400 U	430 U	480 U
3-Nitroaniline	830	1100 U	1300 U	1000 U	1100 U	1200 U
Acenaphthene	330	430 U	520 U	400 U	210 J	480 U
2,4-Dinitrophenol	830	1100 U	1300 U	1000 U	1100 U	1200 U
4-Nitrophenol	830	1100 U	1300 U	1000 U	1100 U	1200 U
Dibenzofuran	330	430 U	520 U	400 U	150 J	480 U
2,4-Dinitrotoluene	330	430 U	520 U	400 U	430 U	480 U
Diethylphthalate	330	430 U	1800	400 U	430 U	480 U
4-Chlorophenyl-phenylether	330	430 U	520 U	400 U	430 U	480 U
Fluorene	330	430 U	520 U	400 U	280 J	51 J
4-Nitroaniline	830	1100 U	1300 U	1000 U	1100 U	1200 U
4,6-Dinitro-2-methylphenol	830	1100 U	1300 U	1000 U	1100 U	1200 U
4-Nitrosodiphenylamine(1)	330	430 U	520 U	400 U	430 U	480 U
4-Bromophenyl-phenylether	330	430 U	520 U	400 U	430 U	480 U
Hexachlorobenzene	330	430 U	520 U	400 U	430 U	480 U
Pentachlorophenol	830	1100 U	1300 U	1000 U	1100 U	1200 U
Phenanthrene	330	580	580	400 U	3900	580
Anthracene	330	100 J	520 U	400 U	520	120 J
Carbazole	330	68 J	520 U	400 U	430 J	81 J
Di-n-butylphthalate	330	430 U	*12000	400 U	430 U	480 U
Fluoranthene	330	1000	640	36 J	*4700	1100
Pyrene	330	720	580	400 U	*3500	750
Butylbenzylphthalate	330	430 U	520 U	400 U	110 J	54 J
3,3'-Dichlorobenzidine	330	430 U	520 U	400 U	430 U	480 U
Benzo(a)anthracene	330	420 J	280 J	400 U	2400	460 J
Chrysene	330	420 J	450 J	400 U	2200	470 J
Bis(2-ethylhexyl)phthalate	330	130 J	*4400	87 J	290 J	160 J
Di-n-octylphthalate	330	430 U	520 U	400 U	430 U	480 U
Benzo(b)fluoranthene	330	650	540	400 U	*3200	670
Benzo(k)fluoranthene	330	180 J	120 J	400 U	960	280 J
Benzo(a)pyrene	330	460	290 J	400 U	2600	500
Indeno(1,2,3-cd)pyrene	330	300 J	250 J	400 U	1500	350 J
Dibenz(a,h)anthracene	330	99 J	62 J	400 U	460	120 J
Benzo(g,h,i)perylene	330	260 J	160 J	400 U	1300	310 J
DILUTION FACTOR:	1.0	1.0/5.0	1.0	1.0/3.0	1.0	1.0
DATE SAMPLED:	09/09/98	09/09/98	09/09/98	09/09/98	09/09/98	09/09/98
DATE EXTRACTED:	09/14/98	09/14/98	09/14/98	09/14/98	09/14/98	09/14/98
DATE ANALYZED:	09/16/98	09/16/98	09/16/98	09/16/98	09/19/98	09/19/98
% MOISTURE:	23	36	18	24	32	61

* - RESULT REPORTED FROM DILUTED ANALYSIS.

NOTE. RESULTS ARE REPORTED ON A DRY WEIGHT BASIS

SITE: CENTREDALE MANOR
CASE: 26464 SDG: APA72
LABORATORY: COMPUCHEM

TABLE 1
SEMI-VOLATILE SOIL ANALYSIS
µg/kg

SAMPLE NUMBER:		APA78	APA79	APA80	APA81	APA82	APA83
SAMPLE LOCATION:		SD-01	SD-02	SD-03	SD-04	SD-05	SD-06
LABORATORY NUMBER:		908477	908478	908479	908481	908486	908491
COMPOUND	CRQL						
Phenol	330	500 U	480 U	420 U	800 U	420 U	410 U
bis(2-Chloroethyl) ether	330	500 U	480 U	420 U	800 U	420 U	410 U
2-Chlorophenol	330	500 U	480 U	420 U	800 U	420 U	410 U
1,3-Dichlorobenzene	330	500 U	480 U	420 U	800 U	420 U	410 U
1,4-Dichlorobenzene	330	500 U	480 U	420 U	800 U	420 U	410 U
1,2-Dichlorobenzene	330	500 U	480 U	420 U	800 U	420 U	410 U
2-Methylphenol	330	500 U	480 U	420 U	800 U	420 U	410 U
2,2'-Oxybis(1-chloropropane)	330	500 UJ	480 U	420 U	800 U	420 U	410 U
4-Methylphenol	330	500 U	480 U	420 U	800 U	420 U	410 U
N-Nitroso-di-n-propylamine	330	500 UJ	480 U	420 U	800 U	420 U	410 U
Hexachloroethane	330	500 U	480 U	420 U	800 U	420 U	410 U
Nitrobenzene	330	500 U	480 U	420 U	800 U	420 U	410 U
Isophorone	330	500 U	480 U	420 U	800 U	420 U	410 U
2-Nitrophenol	330	500 U	480 U	420 U	800 U	420 U	410 U
2,4-Dimethylphenol	330	500 U	480 U	420 U	800 U	420 U	410 U
bis(2-Chloroethoxy)methane	330	500 U	480 U	420 U	800 U	420 U	410 U
2,4-Dichlorophenol	330	500 U	480 U	420 U	800 U	420 U	410 U
1,2,4-Trichlorobenzene	330	500 U	480 U	420 U	800 U	420 U	410 U
Naphthalene	330	100 J	480 U	98 J	800 U	420 U	410 U
4-Chloroaniline	330	500 U	480 U	420 U	800 U	420 U	410 U
Hexachlorobutadiene	330	500 U	480 U	420 U	800 U	420 U	410 U
4-Chloro-3-methylphenol	330	500 U	480 U	420 U	800 U	420 U	410 U
2-Methylnaphthalene	330	55 J	480 U	57 J	800 U	420 U	410 U
Hexachlorocyclopentadiene	330	500 U	480 J	420 U	800 UJ	420 UJ	410 UJ
2,4,6-Trichlorophenol	330	500 U	480 U	420 U	800 U	420 U	410 U
2,4,5-Trichlorophenol	830	1200 U	1200 U	1000 U	1500 U	1000 U	1000 U
2-Chloronaphthalene	330	500 U	480 U	420 U	800 U	420 U	410 U
2-Nitroaniline	830	1200 U	1200 U	1000 U	1500 U	1000 U	1000 U
Dimethylphthalate	330	500 U	480 U	420 U	800 U	420 U	410 U
Acenaphthylene	330	330 J	480 U	100 J	800 U	420 U	410 U
2,6-Dinitrotoluene	330	500 U	480 U	420 U	800 U	420 U	410 U
3-Nitroaniline	830	1200 UJ	1200 U	1000 U	1500 UJ	1000 UJ	1000 UJ
Acenaphthene	330	170 J	140 J	250 J	68 J	420 U	410 U
2,4-Dinitrophenol	830	1200 UJ	1200 U	1000 U	1500 UJ	1000 UJ	1000 UJ
4-Nitrophenol	830	1200 UJ	1200 U	1000 U	1500 U	1000 U	1000 U
Dibenzofuran	330	190 J	480 U	190 J	800 U	420 U	410 U
2,4-Dinitrotoluene	330	500 U	480 U	420 U	800 U	420 U	410 U
Diethylphthalate	330	500 U	480 U	420 U	800 U	420 U	410 U
4-Chlorophenyl-phenylether	330	500 U	480 U	420 U	800 U	420 U	410 U
Fluorene	330	270 J	140 J	270 J	99 J	420 U	53 J
4-Nitroaniline	830	1200 U	1200 U	1000 U	1500 UJ	1000 UJ	1000 UJ
4,6-Dinitro-2-methylphenol	830	1200 U	1200 U	1000 U	1500 U	1000 U	1000 U
N-Nitrosodiphenylamine(1)	330	500 UJ	480 U	420 U	800 U	420 U	410 U
4-Bromophenyl-phenylether	330	500 U	480 U	420 U	800 U	420 U	410 U
Hexachlorobenzene	330	500 U	480 U	420 U	800 U	420 U	410 U
Pentachlorophenol	830	1200 U	1200 UJ	1000 UJ	1500 UJ	1000 UJ	1000 UJ
Phenanthrene	330	3400	2400	*3200	1200	290 J	160 J
Anthracene	330	680	290 J	540	240 J	79 J	410 U
Carbazole	330	110 J	310 J	450	170 J	420 UJ	410 UJ
Di-n-butylphthalate	330	500 UJ	86 J	45 J	800 U	420 U	410 U
Fluoranthene	330	*9100	3200	*4100	2600	500	260 J
Pyrene	330	*11000 J	2700	*3000	1700	310 J	200 J
Butylbenzylphthalate	330	500 UJ	160 J	420 U	250 J	420 U	410 U
3,3'-Dichlorobenzidine	330	500 U	480 U	420 U	800 U	420 U	410 U
Benzo(a)anthracene	330	*4500	1300	1500	910	180 J	85 J
Chrysene	330	2800 J	1300	1500	1200	190 J	120 J
Bis(2-ethylhexyl)phthalate	330	3700 J	840	440	870	110 J	21 J
Di-n-octylphthalate	330	500 UJ	480 U	420 U	800 UJ	420 UJ	410 UJ
Benzo(b)fluoranthene	330	*4700	2100	2500	1500	250 J	170 J
Benzo(k)fluoranthene	330	1800	840	760	570 J	110 J	84 J
Benzo(a)pyrene	330	*3700	1400	1600	1100	180 J	120 J
Indeno(1,2,3-cd)pyrene	330	3500	940	1000	730	120 J	87 J
Dibenz(a,h)anthracene	330	680	290 J	270 J	190 J	420 U	410 U
Benzo(g,h,i)perylene	330	2700	740	820	600	130 J	98 J
DILUTION FACTOR:		1.0/6.0	1.0	1.0/2.0	1.0	1.0	1.0
DATE SAMPLED:		09/09/98	09/09/98	09/09/98	09/09/98	09/09/98	09/09/98
DATE EXTRACTED:		09/16/98	09/14/98	09/14/98	09/14/98	09/14/98	09/14/98
DATE ANALYZED:		09/21/98	09/16/98	09/16/98	09/19/98	09/19/98	09/19/98
% MOISTURE:		34	31	21	45	21	19

* - RESULT REPORTED FROM DILUTED ANALYSIS.

NOTE. RESULTS ARE REPORTED ON A DRY WEIGHT BASIS

SITE: CENTREDALE MANOR
CASE: 26464 SDG: APA72
LABORATORY: COMPUchem

TABLE 1
SEMI-VOLATILE SOIL ANALYSIS
µg/kg

SAMPLE NUMBER: SAMPLE LOCATION: LABORATORY NUMBER:	APA84 SD-07 909493	APA85 SD-08 909496	APA86 SD-09 909498	APA87 SD-10 909501	APA88 SD-11 909502	APA89 SD-12 909504
COMPOUND	CRQL					
Phenol	330	460 U	520 U	430 U	660 U	530 U
bis(2-Chloroethyl) ether	330	460 U	520 U	430 U	660 U	530 U
2-Chlorophenol	330	460 U	520 U	430 U	660 U	530 U
1,3-Dichlorobenzene	330	460 U	520 U	430 U	660 U	530 U
1,4-Dichlorobenzene	330	460 U	520 U	430 U	660 U	530 U
1,2-Dichlorobenzene	330	460 U	520 U	430 U	660 U	530 U
2-Methylphenol	330	460 U	520 U	430 U	660 U	530 U
2,2'-Oxybis(1-chloropropane)	330	460 U	520 U	430 U	660 U	530 U
4-Methylphenol	330	460 U	520 U	430 U	660 U	530 U
N-Nitroso-D-n-propylamine	330	460 U	520 U	430 U	660 U	530 U
Hexachloroethane	330	460 U	520 U	430 U	660 U	530 U
Nitrobenzene	330	460 U	520 U	430 U	660 U	530 U
Isophorone	330	460 U	520 U	430 U	660 U	530 U
2-Nitrophenol	330	460 U	520 U	430 U	660 U	530 U
2,4-Dimethylphenol	330	460 U	520 U	430 U	660 U	530 U
bis(2-Chloroethoxy)methane	330	460 U	520 U	430 U	660 U	530 U
2,4-Dichlorophenol	330	460 U	520 U	430 U	660 U	530 U
1,2,4-Trichlorobenzene	330	460 U	520 U	430 U	660 U	530 U
Naphthalene	330	460 U	520 U	430 U	660 U	530 U
4-Chloroaniline	330	460 U	520 U	430 U	660 U	530 U
Hexachlorocyclopentadiene	330	460 U	520 U	430 U	660 U	530 U
4-Chloro-3-methylphenol	330	460 U	520 U	430 U	660 U	530 U
2-Methylnaphthalene	330	460 U	520 U	430 U	660 U	530 U
Hexachlorocyclopentadiene	330	460 U	520 U	430 U	660 U	530 U
2,4,6-Trichlorophenol	330	460 U	520 U	430 U	660 U	530 U
2,4,5-Trichlorophenol	830	1200 U	1300 U	1100 U	1700 U	1300 U
2-Chloronaphthalene	330	460 U	520 U	430 U	660 U	530 U
2-Nitroaniline	830	1200 U	1300 U	1100 U	1700 U	1300 U
Dimethylphthalate	330	460 U	520 U	430 U	660 U	530 U
Acenaphthylene	330	460 U	86 J	430 U	660 U	530 U
5-Dinitrotoluene	330	460 U	520 U	430 U	660 U	530 U
Nitroaniline	830	1200 U	1300 U	1100 U	1700 U	1300 U
Acenaphthene	330	460 U	84 J	430 U	660 U	530 U
2,4-Dinitrophenol	830	1200 U	1300 U	1100 U	1700 U	1300 U
4-Nitrophenol	830	1200 U	1300 U	1100 U	1700 U	1300 U
Dibenzofuran	330	460 U	64 J	430 U	660 U	530 U
2,4-Dinitrotoluene	330	460 U	520 U	430 U	660 U	530 U
Diethylphthalate	330	460 U	520 U	430 U	660 U	530 U
4-Chlorophenyl-phenylether	330	460 U	520 U	430 U	660 U	530 U
Fluorene	330	460 U	110 J	430 U	660 U	530 U
4-Nitroaniline	830	1200 U	1300 U	1100 U	1700 U	1300 U
4,6-Dinitro-2-methylphenol	830	1200 U	1300 U	1100 U	1700 U	1300 U
N-Nitrosodiphenylamine(1)	330	460 U	520 U	430 U	660 U	530 U
4-Bromophenyl-phenylether	330	460 U	520 U	430 U	660 U	530 U
Hexachlorobenzene	330	460 U	520 U	430 U	660 U	530 U
Pentachlorophenol	830	1200 U	1300 U	1100 U	1700 U	1300 U
Phenanthrene	330	220 J	1900	71 J	490 J	140 J
Anthracene	330	54 J	230 J	430 U	75 J	530 U
Carbazole	330	460 U	360 J	430 U	80 J	530 U
Di-n-butylphthalate	330	51 J	520 U	430 U	660 U	530 U
Fluoranthene	330	460	2900	130 J	550 J	250 J
Pyrene	330	320 J	2000	100 J	360 J	190 J
Butylbenzylphthalate	330	460 U	520 U	430 U	660 U	530 U
3,3'-Dichlorobenzidine	330	460 U	520 U	430 U	660 U	530 U
Benzo(a)anthracene	330	190 J	1100	56 J	200 J	93 J
Chrysene	330	220 J	1400	74 J	230 J	120 J
Bis(2-ethylhexyl)phthalate	330	65 J	390 J	73 J	700	140 J
Di-n-octylphthalate	330	460 U	520 U	430 U	660 U	530 U
Benzo(b)fluoranthene	330	400 J	1700	92 J	300 J	170 J
Benzo(k)fluoranthene	330	130 J	850	44 J	100 J	66 J
Benzo(a)pyrene	330	280 J	1300	63 J	190 J	110 J
Indeno(1,2,3-cd)pyrene	330	220 J	850	45 J	110 J	74 J
Dibenzo(a,h)anthracene	330	65 J	220 J	430 U	660 U	530 U
Benzo(g,h,i)perylene	330	170 J	520	45 J	77 J	64 J
DILUTION FACTOR:	1.0	1.0	1.0	1.0	1.0	1.0
DATE SAMPLED:	09/09/98	09/09/98	09/09/98	09/09/98	09/09/98	09/09/98
DATE EXTRACTED:	09/14/98	09/14/98	09/14/98	09/14/98	09/14/98	09/14/98
DATE ANALYZED:	09/18/98	09/18/98	09/18/98	09/18/98	09/18/98	09/18/98
% MOISTURE:	28	36	23	50	38	19

* - RESULT REPORTED FROM DILUTED ANALYSIS

NOTE: RESULTS ARE REPORTED ON A DRY WEIGHT BASIS

SITE: CENTREDALE MANOR
CASE: 26444 SDG: APA72
LABORATORY: COMPUCHEM

TABLE 1
SEMIVOLATILE SOIL ANALYSIS
µg/kg

SAMPLE NUMBER: SAMPLE LOCATION: LABORATORY NUMBER:	CRQL	APA90	APA91
		SD-13 908505	SD-14 908614
COMPOUND			
Phenol	330	580 U	390 U
bis(2-Chloroethyl) ether	330	580 U	390 U
2-Chlorophenol	330	580 U	390 U
1,3-Dichlorobenzene	330	580 U	390 U
1,4-Dichlorobenzene	330	580 U	390 U
1,2-Dichlorobenzene	330	580 U	390 U
2-Methylphenol	330	580 U	390 U
2,2'-Oxybis(1-chloropropane)	330	580 U	390 U
4-Methylphenol	330	580 U	390 U
N-Nitroso-di-n-propylamine	330	580 U	390 U
Hexachloroethane	330	580 U	390 U
Nitrobenzene	330	580 U	390 U
Isophorone	330	580 U	390 U
2-Nitrophenol	330	580 U	390 U
2,4-Dimethylphenol	330	580 U	390 U
bis(2-Chloroethoxy)methane	330	580 U	390 U
2,4-Dichlorophenol	330	580 U	390 U
1,2,4-Trichlorobenzene	330	580 U	390 U
Naphthalene	330	580 U	390 U
4-Chloroaniline	330	580 U	390 U
Hexachlorobutadiene	330	580 U	390 U
4-Chloro-3-methylphenol	330	580 U	390 U
2-Methylnaphthalene	330	580 U	390 U
Hexachlorocyclopentadiene	330	580 U	390 U
2,4,6-Trichlorophenol	330	580 U	390 U
2,4,5-Trichlorophenol	830	1400 U	980 U
2-Chloronaphthalene	330	580 U	390 U
2-Nitroaniline	830	1400 U	980 U
Dimethylphthalate	330	580 U	390 U
Acenaphthylene	330	580 U	390 U
2,6-Dinitrotoluene	330	580 U	390 U
3-Nitroaniline	830	1400 U	980 U
Acenaphthene	330	580 U	150 J
2,4-Dinitrophenol	830	1400 U	980 U
4-Nitrophenol	830	1400 U	980 U
Dibenzofuran	330	580 U	88 J
2,4-Dinitrotoluene	330	580 U	390 U
Diethylphthalate	330	580 U	390 U
4-Chlorophenyl-phenylether	330	580 U	390 U
Fluorene	330	580 U	190 J
4-Nitroaniline	830	1400 U	980 U
4,6-Dinitro-2-methylphenol	830	1400 U	980 U
N-Nitrosodiphenylamine(1)	330	580 U	390 U
4-Bromophenyl-phenylether	330	580 U	390 U
Hexachlorobenzene	330	580 U	390 U
Pentachlorophenol	830	1400 U	980 U
Phenanthrene	330	310 J	2300
Anthracene	330	580 U	440
Carbazole	330	580 U	280 J
Di-n-butylphthalate	330	580 U	390 U
Fluoranthene	330	490 J	2600
Pyrene	330	350 J	1700
Butylbenzylphthalate	330	580 U	390 U
3,3'-Dichlorobenzidine	330	580 U	390 U
Benzo(a)anthracene	330	200 J	1000
Chrysene	330	240 J	990
Bis(2-ethylhexyl)phthalate	330	82 J	89 J
Di-n-octylphthalate	330	580 U	140 J
Benzo(b)fluoranthene	330	310 J	1200
Benzo(k)fluoranthene	330	110 J	440
Benzo(a)pyrene	330	200 J	940
Indeno(1,2,3-cd)pyrene	330	120 J	500
Dibenz(a,h)anthracene	330	580 U	140 J
Benzo(g,h,i)perylene	330	94 J	400
DILUTION FACTOR:		1.0	1.0
DATE SAMPLED:		09/09/98	09/09/98
DATE EXTRACTED:		09/14/98	09/14/98
DATE ANALYZED:		09/18/98	09/19/98
% MOISTURE:		43	15

* - RESULT REPORTED FROM DILUTED ANALYSIS.

NOTE: RESULTS ARE REPORTED ON A DRY WEIGHT BASIS

SITE: CENTRAL MANOR
CASE: 28464 SDG: APA72
LABORATORY: COMPUCHEM

TABLE 2
PESTICIDE/POLYCHLORINATED BIPHENYL SOIL ANALYSIS
µg/kg

SAMPLE NUMBER: SAMPLE LOCATION: LABORATORY NUMBER:		APA72 SS-01 909467	APA73 SS-02 909470	APA74 SS-03 909473	APA75 SS-04 909474	APA76 SS-05 909475	APA77 SS-06 909476
COMPOUND	CRQL						
alpha-BHC	1.7	2.2 U	* 28 UJ	2.1 U	2.2 UJ	2.5 U	4.3 UJ
beta-BHC	1.7	2.2 U	2.6 UJ	2.1 U	R	12 J	4.3 UJ
delta-BHC	1.7	2.2 U	2.6 UJ	2.1 U	2.2 UJ	R	4.3 UJ
gamma-BHC (Lindane)	1.7	2.2 U	2.6 UJ	2.1 U	2.2 UJ	2.5 U	4.3 UJ
Heptachlor	1.7	2.2 U	2.6 UJ	2.1 U	R	0.31 J	4.3 UJ
Aldrin	1.7	2.2 U	R	2.1 U	2.2 UJ	2.5 U	4.3 UJ
Heptachlor Epoxide	1.7	* 22 U	* 26 UJ	2.1 U	2.2 UJ	R	4.3 UJ
Endosulfan I	1.7	2.2 U	* 26 UJ	2.1 U	2.2 UJ	R	4.3 UJ
Dieldrin	3.3	4.3 U	* 140 J, EB	2.4 J, EB	R	R	R
4,4'-DDE	3.3	* 33 J	R	4.0 U	6.4 J	R	13 J
Endrin	3.3	4.3 U	5.2 UJ	4.0 U	4.3 UJ	4.8 U	8.4 UJ
Endosulfan II	3.3	4.3 U	5.2 UJ	4.0 U	4.3 UJ	R	8.4 UJ
4,4'-DDD	3.3	4.3 U	5.2 UJ	4.0 U	9.9 J	4.8 U	8.4 UJ
Endosulfan Sulfate	3.3	17 J	5.2 UJ	4.0 U	R	10 J	R
4,4'-DDT	3.3	4.3 U	5.2 UJ	4.0 U	4.3 UJ	4.8 U	8.4 UJ
Methoxychlor	17	* 220 U	26 UJ	21 U	R	R	4.3 UJ
Endrin Ketone	3.3	4.3 U	5.2 UJ	4.0 U	R	R	8.4 UJ
Endrin Aldehyde	3.3	4.3 U	5.2 UJ	4.0 U	4.3 UJ	4.8 U	8.4 UJ
alpha-Chlordane	1.7	2.4	3.0 J	2.1 U	2.2 J	1.0 J	3.1 J
gamma-Chlordane	1.7	2.2 U	2.6 UJ	2.1 U	2.2 UJ	2.5 U	4.3 UJ
Toxaphene	170	220 U	260 UJ	210 U	220 UJ	250 U	430 UJ
Aroclor-1016	33	43 U	52 UJ	40 U	43 UJ	48 U	84 UJ
Aroclor-1221	67	87 U	100 UJ	82 U	88 UJ	98 U	170 UJ
Aroclor-1232	33	43 U	52 UJ	40 U	43 UJ	48 U	84 UJ
Aroclor-1242	33	43 U	52 UJ	40 U	43 UJ	48 U	84 UJ
Aroclor-1248	33	43 U	52 UJ	40 U	43 UJ	48 U	84 UJ
Aroclor-1254	33	* 2300	* 9300 J	150	410 J	760	760 J
Aroclor-1260	33	43 U	52 UJ	40 U	43 UJ	48 U	84 UJ
DILUTION FACTOR:		1.0/10	1.0/10	1.0	1.0	1.0	1.0
DATE SAMPLED:		09/09/98	09/09/98	09/09/98	09/09/98	09/09/98	09/09/98
DATE EXTRACTED:		09/14/98	09/14/98	09/14/98	09/14/98	09/14/98	09/14/98
DATE ANALYZED:		09/21/98	09/20/98	09/21/98	09/21/98	09/21/98	09/21/98
% MOISTURE:		23	36	18	24	32	61

* - RESULT REPORTED FROM DILUTED ANALYSIS.

NOTE: RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.

SITE: CENTREDALE MANOR
CASE: 26464 SDG: APA72
LABORATORY: COMPUCHEM

TABLE 2
PESTICIDE/POLYCHLORINATED BIPHENYL SOIL ANALYSIS
µg/kg

SAMPLE NUMBER:	APA78	APA79	APA80	APA81	APA82	APA83
SAMPLE LOCATION:	SD-01	SD-02	SD-03	SD-04	SD-05	SD-06
LABORATORY NUMBER:	909477	909478	909479	909481	909486	909491
COMPOUND	CRQL					
alpha-BHC	1.7	2.6 UJ	2.5 UJ	2.2 UJ	3.1 U	2.1 U
beta-BHC	1.7	* 260 UJ	5.0 UJ	2.2 UJ	5.3 U	2.1 U
delta-BHC	1.7	2.6 UJ	2.5 UJ	2.2 UJ	3.1 U	2.1 U
gamma-BHC (Lindane)	1.7	2.6 UJ	2.5 UJ	2.2 UJ	3.1 U	2.1 U
Heptachlor	1.7	2.6 UJ	0.38 J	2.2 UJ	3.1 U	2.1 U
Aldrin	1.7	2.6 UJ	2.5 UJ	2.2 UJ	3.1 U	2.1 U
Heptachlor Epoxide	1.7	2.7 J	2.5 UJ	0.20 J	3.1 U	2.1 U
Endosulfan I	1.7	2.6 UJ	2.5 UJ	2.2 UJ	3.1 U	2.1 U
Dieldrin	3.3	* 500 UJ	R	4.2 UJ	6.0 U	4.1 U
4,4'-DDE	3.3	* 500 UJ	3.6 J	4.2 UJ	3.7 J	11
Endrin	3.3	5.0 UJ	4.8 UJ	4.2 UJ	6.0 U	4.1 U
Endosulfan II	3.3	5.0 UJ	4.8 UJ	4.2 UJ	6.0 U	4.1 U
4,4'-DDD	3.3	35 J	6.1 J	4.2 UJ	5.1 J	4.1 U
Endosulfan Sulfate	3.3	* 500 UJ	R	R	4.2 U	4.1 U
4,4'-DDT	3.3	22 J	R	R	2.3 J	7.2
Methoxychlor	17	* 2800 UJ	R	R	21 U	21 U
Endrin Ketone	3.3	* 500 UJ	R	R	R	4.1 U
Endrin Aldehyde	3.3	5.0 UJ	4.8 UJ	4.2 UJ	6.0 U	4.1 U
alpha-Chlordane	1.7	2.6 UJ	3.4 J	2.2 UJ	4.2 J	0.55 J
gamma-Chlordane	1.7	2.6 UJ	2.5 UJ	2.2 UJ	R	2.1 U
Toxaphene	170	260 UJ	250 UJ	220 UJ	310 U	210 U
Aroclor-1016	33	50 UJ	48 UJ	42 UJ	60 U	41 U
Aroclor-1221	67	100 UJ	97 UJ	85 UJ	120 U	84 U
Aroclor-1232	33	50 UJ	48 UJ	42 UJ	60 U	41 U
Aroclor-1242	33	50 UJ	48 UJ	42 UJ	60 U	41 U
Aroclor-1248	33	50 UJ	48 UJ	42 UJ	60 U	41 U
Aroclor-1254	33	50 UJ	48 UJ	42 UJ	60 U	41 U
Aroclor-1260	33	50 UJ	48 UJ	42 UJ	60 U	41 U
DILUTION FACTOR:	1.0/100	1.0	1.0	1.0	1.0	1.0
DATE SAMPLED:	09/09/98	09/09/98	09/09/98	09/09/98	09/09/98	09/09/98
DATE EXTRACTED:	09/14/98	09/14/98	09/14/98	09/14/98	09/14/98	09/14/98
DATE ANALYZED:	09/20/98	09/21/98	09/21/98	09/21/98	09/21/98	09/21/98
% MOISTURE:	34	31	21	45	21	19

* - RESULT REPORTED FROM DILUTED ANALYSIS.

NOTE: RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.

SITE: CENTREDALE MANOR
CASE: 26464 SDG: APA72
LABORATORY: COMPUCHEM

TABLE 2
PESTICIDE/POLYCHLORINATED BIPHENYL SOIL ANALYSIS
µg/kg

SAMPLE NUMBER: SAMPLE LOCATION: LABORATORY NUMBER:		APA84 SD-07 909493	APA85 SD-08 909496	APA86 SD-09 909498	APA87 SD-10 909501	APA88 SD-11 909502	APA89 SD-12 909504
COMPOUND	CRQL						
alpha-BHC	1.7	2.4 U	2.6 U	2.2 U	3.4 U	2.4 U	2.1 U
beta-BHC	1.7	2.4 U	2.6 U	2.5 U	3.4 U	6.6 U	2.1 U
delta-BHC	1.7	2.4 U	2.6 U	2.2 U	3.4 U	2.4 U	2.1 U
gamma-BHC (Lindane)	1.7	2.4 U	2.6 U	2.2 U	3.4 U	2.4 U	R
Heptachlor	1.7	2.4 U	2.6 U	0.43 J	0.43 J	2.4 U	0.62 J
Aldrin	1.7	2.4 U	2.6 U	0.51 J	3.4 U	2.4 U	0.58 J
Heptachlor Epoxide	1.7	2.4 U	2.6 U	2.2 U	3.4 U	2.4 U	2.1 U
Endosulfan I	1.7	2.4 U	2.6 U	2.2 U	3.4 U	2.4 U	2.1 U
Dieldrin	3.3	4.6 U	5.2 U	1.4 J, EB	6.6 U	4.7 U	1.4 J, EB
4,4'-DDE	3.3	0.43 J	0.81 J	0.54 J	1.7 J	6.1	4.1 U
Endrin	3.3	4.6 U	5.2 U	1.9 J	6.6 U	* 27 U	1.4 J
Endosulfan II	3.3	4.6 U	5.2 U	4.3 U	6.6 U	4.7 U	4.1 U
4,4'-DDD	3.3	0.52 J	3.0 J	0.37 J	1.9 J	3.8 J	4.1 U
Endosulfan Sulfate	3.3	4.6 U	R	4.3 U	6.6 U	1.7 J	4.1 U
4,4'-DDT	3.3	4.6 U	R	1.8 J	6.6 U	* 27 J	1.6 J
Methoxychlor	17	24 U	26 U	22 U	R	24 U	2.1 U
Endrin Ketone	3.3	R	R	4.3 U	R	* 27 U	R
Endrin Aldehyde	3.3	0.15 J	5.2 U	4.3 U	6.6 U	4.7 U	4.1 U
alpha-Chlordane	1.7	2.4 U	2.6 U	2.2 U	2.4 J	14 J	0.21 J
gamma-Chlordane	1.7	2.4 U	2.6 U	2.2 U	R	16 J	2.1 U
Toxaphene	170	240 U	260 U	220 U	340 U	240 U	210 U
Aroclor-1016	33	46 U	52 U	43 U	66 U	47 U	41 U
Aroclor-1221	67	93 U	100 U	87 U	130 U	96 U	83 U
Aroclor-1232	33	46 U	52 U	43 U	66 U	47 U	41 U
Aroclor-1242	33	46 U	52 U	43 U	66 U	47 U	41 U
Aroclor-1248	33	46 U	52 U	43 U	66 U	47 U	41 U
Aroclor-1254	33	46 U	52 U	43 U	66 U	47 U	41 U
Aroclor-1260	33	46 U	52 U	43 U	66 U	47 U	41 U
DILUTION FACTOR:		1.0	1.0	1.0	1.0	1.0/5.0	1.0
DATE SAMPLED:		09/09/98	09/09/98	09/09/98	09/09/98	09/09/98	09/09/98
DATE EXTRACTED:		09/14/98	09/14/98	09/14/98	09/14/98	09/14/98	09/14/98
DATE ANALYZED:		09/21/98	09/21/98	09/21/98	09/21/98	09/21/98	09/21/98
% MOISTURE:		28	36	23	50	30	19

* - RESULT REPORTED FROM DILUTED ANALYSIS.

NOTE: RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.

SITE: CENTREDALE MANOR
CASE: 26464 SDG: APA72
LABORATORY: COMPUCHEM

TABLE 2
PESTICIDE/POLYCHLORINATED BIPHENYL SOIL ANALYSIS
µg/kg

SAMPLE NUMBER:	APA90	APA91
SAMPLE LOCATION:	SD-13	SD-14
LABORATORY NUMBER:	909505	909514

COMPOUND	CRQL		
alpha-BHC	1.7	3.0 U	2.0 U
beta-BHC	1.7	3.0 U	2.0 U
delta-BHC	1.7	3.0 U	2.0 U
gamma-BHC (Lindane)	1.7	3.0 U	2.0 U
Heptachlor	1.7	3.0 U	2.0 U
Aldrin	1.7	3.0 U	2.0 U
Heptachlor Epoxide	1.7	3.0 U	* 20 U
Endosulfan I	1.7	3.0 U	* 20 U
Dieldrin	3.3	5.8 U	3.9 U
4,4'-DDE	3.3	3.5 J	3.6 J
Endrin	3.3	5.8 U	3.9 U
Endosulfan II	3.3	5.8 U	3.9 U
4,4'-DDD	3.3	5.8 U	4.1
Endosulfan Sulfate	3.3	5.8 U	* 39 U
4,4'-DDT	3.3	2.3 J	1.7 J
Methoxychlor	17	30 U	20 U
Endrin Ketone	3.3	5.8 U	3.9 U
Endrin Aldehyde	3.3	5.8 U	3.9 U
alpha-Chlordane	1.7	5.7	25 J
gamma-Chlordane	1.7	3.5	21
Toxaphene	170	300 U	200 U
Aroclor-1016	33	58 U	39 U
Aroclor-1221	67	120 U	79 U
Aroclor-1232	33	58 U	39 U
Aroclor-1242	33	58 U	39 U
Aroclor-1248	33	58 U	39 U
Aroclor-1254	33	58 U	39 U
Aroclor-1260	33	58 U	39 U

DILUTION FACTOR:	1.0	1.0/10
DATE SAMPLED:	09/09/98	09/09/98
DATE EXTRACTED:	09/14/98	09/14/98
DATE ANALYZED:	09/21/98	09/21/98
% MOISTURE:	43	15

* - RESULT REPORTED FROM DILUTED ANALYSIS.

NOTE: RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.

**DATA SUMMARY KEY
ORGANIC DATA VALIDATION**

- J** **=** The associated numerical value is an estimated quantity.
- R** **=** The data are unusable (compound may or may not be present). Resampling and reanalysis are necessary for verification. The R replaces the numerical value or sample quantitation limit.
- U** **=** The compound was analyzed for, but not detected. The associated numerical value is the sample quantitation limit (SQL) or the adjusted SQL.
- UJ** **=** The compound was analyzed for, but not detected. The associated numerical value is the estimated SQL.
- EB** **=** The compound was identified in an aqueous equipment blank (EB) that was used to assess field contamination associated with soil/sediment samples.
- TB** **=** The compound was identified in an aqueous trip blank (TB) that was used to assess field contamination associated with soil/sediment samples.
- BB** **=** The compound was identified in an aqueous bottle blank (BB) that was used to assess field contamination associated with soil/sediment samples.

SITE: CENTREDALE MANOR
CASE: 26464 SDG: APA82
LABORATORY: COMPUCHEM

TABLE 1
SEMI-VOLATILE SOIL ANALYSIS
µg/kg

SAMPLE NUMBER: SAMPLE LOCATION: LABORATORY NUMBER:		APA82 SD-15 909515	APA83 SD-16 909520	APA94 SD-17 909521	APA95 SD-18 909522	APA98 SD-19 909523	APA97 SD-20 909524
COMPOUND	CRQL						
Phenol	330	400 U	940 U	1000 U	370 U	420 U	R
bis(2-Chloroethyl) ether	330	400 U	940 U	1000 U	370 U	420 U	R
2-Chlorophenol	330	400 U	940 U	1000 U	370 U	420 U	R
1,3-Dichlorobenzene	330	400 U	940 U	1000 U	370 U	420 U	R
1,4-Dichlorobenzene	330	400 U	940 U	1000 U	370 U	420 U	R
1,2-Dichlorobenzene	330	400 U	940 U	1000 U	370 U	420 U	R
2-Methylphenol	330	400 U	940 U	1000 U	370 U	420 U	R
2,2'-Oxybis(1-chloropropane)	330	400 U	940 U	1000 U	370 U	420 U	R
4-Methylphenol	330	400 U	940 U	1000 U	370 U	420 U	R
N-Nitroso-di-n-propylamine	330	400 U	940 U	1000 U	370 U	420 U	R
Hexachloroethane	330	400 U	940 U	1000 U	370 U	420 U	R
Nitrobenzene	330	400 U	940 U	1000 U	370 U	420 U	R
Isophorone	330	400 U	940 U	1000 U	370 U	420 U	R
2-Nitrophenol	330	400 U	940 U	1000 U	370 U	420 U	R
2,4-Dimethylphenol	330	400 U	940 U	1000 U	370 U	420 U	R
bis(2-Chloroethoxy)methane	330	400 U	940 U	1000 U	370 U	420 U	R
2,4-Dichlorophenol	330	400 U	940 U	1000 U	370 U	420 U	R
1,2,4-Trichlorobenzene	330	400 U	940 U	1000 U	370 U	420 U	R
Naphthalene	330	400 U	940 U	1000 U	370 U	420 U	R
4-Chloroaniline	330	400 U	940 U	1000 U	370 U	420 U	R
Hexachlorobutadiene	330	400 U	940 U	1000 U	370 U	420 U	R
4-Chloro-3-methylphenol	330	400 U	940 U	1000 U	370 U	420 U	R
2-Methylnaphthalene	330	400 U	940 U	1000 U	370 U	420 U	R
Hexachlorocyclopentadiene	330	400 U	940 U	1000 U	370 U	420 U	R
2,4,6-Trichlorophenol	330	400 U	940 U	1000 U	370 U	420 U	R
2,4,5-Trichlorophenol	830	1000 U	2400 U	2600 U	930 U	1100 U	R
2-Chloronaphthalene	330	400 U	940 U	1000 U	370 U	420 U	R
2-Nitroaniline	830	1000 U	2400 U	2600 U	930 U	1100 U	R
Dimethylphthalate	330	400 U	940 U	1000 U	370 U	420 U	R
Acenaphthylene	330	400 U	940 U	1000 U	370 U	420 U	R
2,6-Dinitrotoluene	330	400 U	940 U	1000 U	370 U	420 U	R
1-Nitroaniline	830	1000 U	2400 U	2600 U	930 U	1100 U	R
Acenaphthene	330	R	R	R	R	R	R
2,4-Dinitrophenol	830	1000 U	2400 U	2600 U	930 U	1100 U	R
4-Nitrophenol	830	1000 U	2400 U	2600 U	930 U	1100 U	R
Dibenzofuran	330	400 U	940 U	1000 U	370 U	420 U	R
2,4-Dinitrotoluene	330	400 U	940 U	1000 U	370 U	420 U	R
Diethylphthalate	330	400 U	940 U	1000 U	370 U	420 U	R
4-Chlorophenyl-phenylether	330	400 U	940 U	1000 U	370 U	420 U	R
Fluorene	330	400 U	940 U	1000 U	38 J	420 U	R
4-Nitroaniline	830	1000 U	2400 U	2600 U	930 U	1100 U	R
4,6-Dinitro-2-methylphenol	830	1000 U	2400 U	2600 U	930 U	1100 U	R
N-Nitrosodiphenylamine(1)	330	400 U	940 U	1000 U	370 U	420 U	R
4-Bromophenyl-phenylether	330	400 U	940 U	1000 U	370 U	420 U	R
Hexachlorobenzene	330	400 U	940 U	1000 U	370 U	420 U	R
Pentachlorophenol	830	1000 U	2400 U	2600 U	930 U	1100 U	R
Phenanthrene	330	400 U	210 J	280 J	650	630	850 J
Anthracene	330	400 U	940 U	1000 U	140 J	140 J	160 J
Carbazole	330	400 U	940 U	1000 U	80 J	92 J	120 J
Di-n-butylphthalate	330	400 U	940 U	1000 U	370 U	420 U	R
Fluoranthene	330	400 U	470 J	640 J	1200	1000	1800 J
Pyrene	330	400 U	380 J	460 J	890	700	1300 J
Butylbenzylphthalate	330	400 U	940 U	1000 U	45 J	130 J	180 J
3,3'-Dichlorobenzidine	330	400 U	940 U	1000 U	370 U	420 U	R
Benzo(a)anthracene	330	400 U	140 J	220 J	470	360 J	730 J
Chrysene	330	400 U	280 J	350 J	610	420 J	1000 J
Bis(2-ethylhexyl)phthalate	330	400 U	160 J	200 J	470	920	590 J
Di-n-octylphthalate	330	400 U	940 U	1000 U	370 U	420 U	R
Benzo(b)fluoranthene	330	R	300 J	740 J	1200 J	570 J	1500 J
Benzo(k)fluoranthene	330	400 U	260 J	500 J	810 J	310 J	950 J
Benzo(a)pyrene	330	400 U	210 J	300 J	540	380 J	1000 J
Indeno(1,2,3-cd)pyrene	330	400 U	300 J	370 J	620	390 J	1200 J
Dibenz(a,h)anthracene	330	400 U	940 U	1000 U	200 J	130 J	410 J
Benzo(g,h,i)perylene	330	400 U	180 J	260 J	390	270 J	830 J
DILUTION FACTOR:		1.0	1.0	1.0	1.0	1.0	1.0
DATE SAMPLED:		09/09/98	09/09/98	09/09/98	09/09/98	09/09/98	09/09/98
DATE EXTRACTED:		09/14/98	09/14/98	09/14/98	09/14/98	09/14/98	09/14/98
DATE ANALYZED:		09/18/98	09/18/98	09/18/98	09/18/98	09/18/98	09/18/98
% MOISTURE:		18	65	68	11	22	71

NOTE: RESULTS ARE REPORTED ON A DRY WEIGHT BASIS

TABLE 1
SEMI-VOLATILE SOIL ANALYSIS
µg/kg

SAMPLE NUMBER: SAMPLE LOCATION: LABORATORY NUMBER:		APA98 SD-21 909525	APA99 SD-22 909526	APB00 SD-23 909527	APB01 SD-24 909528	APB02 SD-25 909529	APB03 SD-26 909530
COMPOUND	CRQL						
Phenol	330	440 U	1100 U	R	R	R	410 U
bis(2-Chloroethyl) ether	330	440 U	1100 U	R	R	R	410 U
2-Chlorophenol	330	440 U	1100 U	R	R	R	410 U
1,3-Dichlorobenzene	330	440 U	1100 U	R	R	R	410 U
1,4-Dichlorobenzene	330	440 U	1100 U	R	R	R	410 U
1,2-Dichlorobenzene	330	440 U	1100 U	R	R	R	410 U
2-Methylphenol	330	440 U	1100 U	R	R	R	410 U
2,2'-Oxybis(1-chloropropane)	330	440 U	1100 U	R	R	R	410 U
4-Methylphenol	330	440 U	1100 U	R	R	R	410 U
N-Nitroso-di-n-propylamine	330	440 U	1100 U	R	R	R	410 U
Hexachloroethane	330	440 U	1100 U	R	R	R	410 U
Nitrobenzene	330	440 U	1100 U	R	R	R	410 U
Isophorone	330	440 U	1100 U	R	R	R	410 U
2-Nitrophenol	330	440 U	1100 U	R	R	R	410 U
2,4-Dimethylphenol	330	440 U	1100 U	R	R	R	410 U
bis(2-Chloroethoxy)methane	330	440 U	1100 U	R	R	R	410 U
2,4-Dichlorophenol	330	440 U	1100 U	R	R	R	410 U
1,2,4-Trichlorobenzene	330	440 U	1100 U	R	R	R	410 U
Naphthalene	330	440 U	1100 U	R	R	R	410 U
4-Chloroaniline	330	440 U	1100 U	R	R	R	410 U
Hexachlorobutadiene	330	440 U	1100 U	R	R	R	410 U
4-Chloro-3-methylphenol	330	440 U	1100 U	R	R	R	410 U
2-Methylnaphthalene	330	440 U	1100 U	R	R	R	410 U
Hexachlorocyclopentadiene	330	440 U	1100 U	R	R	R	410 U
2,4,6-Trichlorophenol	330	440 U	1100 U	R	R	R	410 U
2,4,5-Trichlorophenol	830	1100 U	2700 U	R	R	R	1000 U
2-Chloronaphthalene	330	440 U	1100 U	R	R	R	410 U
2-Nitroaniline	830	1100 U	2700 U	R	R	R	1000 U
Dimethylphthalate	330	440 U	1100 U	R	R	R	410 U
Acenaphthylene	330	440 U	1100 U	R	R	R	410 U
2,6-Dinitrotoluene	330	440 U	1100 U	R	R	R	410 U
3-Nitroaniline	830	1100 U	2700 U	R	R	R	1000 U
Acenaphthene	330	R	R	R	R	R	R
2,4-Dinitrophenol	830	1100 U	2700 U	R	R	R	1000 U
4-Nitrophenol	830	1100 U	2700 U	R	R	R	1000 U
Dibenzofuran	330	440 U	1100 U	R	R	R	410 U
2,4-Dinitrotoluene	330	440 U	1100 U	R	R	R	410 U
Diethylphthalate	330	440 U	1100 U	R	R	R	410 U
4-Chlorophenyl-phenylether	330	440 U	1100 U	R	R	R	410 U
Fluorene	330	440 U	1100 U	R	R	R	410 U
4-Nitroaniline	830	1100 U	2700 U	R	R	R	1000 U
4,6-Dinitro-2-methylphenol	830	1100 U	2700 U	R	R	R	1000 U
N-Nitrosodiphenylamine(1)	330	440 U	1100 U	R	R	R	410 U
4-Bromophenyl-phenylether	330	440 U	1100 U	R	R	R	410 U
Hexachlorobenzene	330	440 U	1100 U	R	R	R	410 U
Pentachlorophenol	830	1100 U	2700 U	R	R	R	1000 U
Phenanthrene	330	110 J	1200	1200 J	770 J	690 J	89 J
Anthracene	330	440 U	210 J	130 J	140 J	140 J	410 U
Carbazole	330	440 U	170 J	180 J	R	R	410 U
Di-n-butylphthalate	330	440 U	1100 U	R	R	R	410 U
Fluoranthene	330	280 J	2500	2400 J	1600 J	1300 J	140 J
Pyrene	330	230 J	2100	2200 J	1300 J	1100 J	140 J
Butylbenzylphthalate	330	440 U	170 J	360 J	R	R	410 U
3,3'-Dichlorobenzidine	330	440 U	1100 U	R	R	R	410 U
Benzo(a)anthracene	330	120 J	1100	1300 J	800 J	490 J	83 J
Chrysene	330	180 J	1700	1400 J	960 J	750 J	85 J
Bis(2-ethylhexyl)phthalate	330	330 J	930 J	1800 J	650 J	510 J	410 U
Di-n-octylphthalate	330	440 U	1100 U	R	R	R	87 J
Benzo(b)fluoranthene	330	230 J	2300 J	1800 J	2000 J	930 J	88 J
Benzo(k)fluoranthene	330	170 J	1300	1300 J	1400 J	780 J	86 J
Benzo(a)pyrene	330	160 J	1500	1300 J	870 J	670 J	85 J
Indeno(1,2,3-cd)pyrene	330	230 J	1800	1100 J	1200 J	950 J	62 J
Dibenz(a,h)anthracene	330	64 J	440 J	400 J	360 J	280 J	410 U
Benzo(g,h,i)perylene	330	160 J	1100	960 J	720 J	690 J	49 J
DILUTION FACTOR:		1.0	1.0	1.0	1.0	1.0	1.0
DATE SAMPLED:		09/09/98	09/09/98	09/09/98	09/09/98	09/09/98	09/09/98
DATE EXTRACTED:		09/14/98	09/14/98	09/14/98	09/14/98	09/14/98	09/14/98
DATE ANALYZED:		09/18/98	09/18/98	09/22/98	09/18/98	09/18/98	09/22/98
% MOISTURE:		26	69	73	72	70	19

NOTE: RESULTS ARE REPORTED ON A DRY WEIGHT BASIS

SITE: CENTREDALE MANOR
CASE: 26464 SDG: APA92
LABORATORY: COMPUCHEM

TABLE 1
SEMIVOLATILE SOIL ANALYSIS
µg/kg

SAMPLE NUMBER:		APB04	APB05	APB06	APB07	APB08	APB09
SAMPLE LOCATION:		SD-27	SD-28	SD-29	SD-30	SD-31	SD-32
LABORATORY NUMBER:		909531	909532	909533	909534	909537	909538
COMPOUND	CRQL						
Phenol	330	390 U	410 U	430 U	670 UJ	780 U	410 U
bis(2-Chloroethyl) ether	330	390 U	410 U	430 U	670 U	780 U	410 U
2-Chlorophenol	330	390 U	410 U	430 U	670 U	780 U	410 U
1,3-Dichlorobenzene	330	390 U	410 U	430 U	670 U	780 U	410 U
1,4-Dichlorobenzene	330	990 U	410 U	430 U	670 UJ	780 U	410 U
1,2-Dichlorobenzene	330	390 U	410 U	430 U	670 U	780 U	410 U
2-Methylphenol	330	390 U	410 U	430 U	670 U	780 U	410 U
2,2'-Oxybis(1-chloropropane)	330	390 U	410 U	430 U	670 U	780 U	410 U
4-Methylphenol	330	390 U	410 U	430 U	670 UJ	780 U	410 U
N-Nitroso-di-n-propylamine	330	390 U	410 U	430 U	670 U	780 U	410 U
Hexachloroethane	330	390 U	410 U	430 U	670 U	780 U	410 U
Nitrobenzene	330	390 U	410 U	430 U	670 U	780 U	410 U
Isophorone	330	390 U	410 U	430 U	670 U	780 U	410 U
2-Nitrophenol	330	390 U	410 U	430 U	670 U	780 U	410 U
2,4-Dimethylphenol	330	390 U	410 U	430 U	670 U	780 U	410 U
bis(2-Chloroethoxy)methane	330	390 U	410 U	430 U	670 U	780 U	410 U
2,4-Dichlorophenol	330	390 U	410 U	430 U	670 U	780 U	410 U
1,2,4-Trichlorobenzene	330	390 U	410 U	430 U	670 U	780 U	410 U
Naphthalene	330	390 U	410 U	430 U	670 U	780 U	410 U
4-Chloroaniline	330	390 U	410 U	430 U	670 U	780 U	410 U
Hexachlorobutadiene	330	390 U	410 U	430 U	670 U	780 U	410 U
4-Chloro-3-methylphenol	330	390 U	410 U	430 U	670 U	780 U	410 U
2-Methylnaphthalene	330	390 U	410 U	430 U	670 U	780 U	410 U
Hexachlorocyclopentadiene	330	390 U	410 U	430 U	670 UJ	780 U	410 U
2,4,6-Trichlorophenol	330	390 U	410 U	430 U	670 U	780 U	410 U
2,4,5-Trichlorophenol	830	990 U	1000 U	1100 U	1700 U	2000 U	1000 U
2-Chloronaphthalene	330	390 U	410 U	430 U	670 U	780 U	410 U
2-Nitroaniline	830	990 U	1000 U	1100 U	1700 U	2000 U	1000 U
Dimethylphthalate	330	390 U	410 U	430 U	670 U	780 U	410 U
Acenaphthylene	330	390 U	410 U	97 J	670 U	780 U	410 U
2,6-Dinitrotoluene	330	390 U	410 U	430 U	670 U	780 U	410 U
3-Nitroaniline	830	990 U	1000 U	1100 U	1700 UJ	2000 U	1000 U
acenaphthene	330	R	56 J	65 J	R	140 J	150 J
2,4-Dinitrophenol	830	990 U	1000 U	1100 U	1700 U	2000 U	1000 U
4-Nitrophenol	830	990 U	1000 U	1100 U	1700 U	2000 U	1000 U
Dibenzofuran	330	390 U	410 U	430 U	670 U	780 U	80 J
2,4-Dinitrotoluene	330	390 U	410 U	430 U	670 U	780 U	410 U
Diethylphthalate	330	390 U	410 U	430 U	670 U	780 U	410 U
4-Chlorophenyl-phenylether	330	390 U	410 U	430 U	670 U	780 U	410 U
Fluorene	330	390 U	110 J	110 J	670 U	160 J	140 J
4-Nitroaniline	830	990 U	1000 U	1100 U	1700 UJ	2000 U	1000 U
4,6-Dinitro-2-methylphenol	830	990 U	1000 U	1100 U	1700 U	2000 U	1000 U
N-Nitrosodiphenylamine(1)	330	390 U	410 U	430 U	670 U	780 U	410 U
4-Bromophenyl-phenylether	330	390 U	410 U	430 U	670 U	780 U	410 U
Hexachlorobenzene	330	390 U	410 U	430 U	670 U	780 U	410 U
Pentachlorophenol	830	990 U	1000 U	1100 U	1700 U	2000 U	1000 U
Phenanthrene	330	280 J	1100	1300	210 J	1900	1600
Anthracene	330	51 J	250 J	240 J	670 U	330 J	270 J
Carbazole	330	390 U	160 J	240 J	670 U	350 J	270 J
Di-n-butylphthalate	330	390 U	410 U	180 J	670 U	780 U	410 U
Fluoranthene	330	530	1400	2400	380 J	3000	2000
Pyrene	330	490	1100	2100	320 J	3000	2500
Butylbenzylphthalate	330	390 U	410 U	98 J	670 U	90 J	120 J
3,3'-Dichlorobenzidine	330	390 U	410 U	430 U	670 U	780 U	410 U
Benzo(a)anthracene	330	230 J	560	1100	160 J	1500	1100
Chrysene	330	280 J	580	1200	190 J	1700	1300
Bis(2-ethylhexyl)phthalate	330	90 J	87 J	360 J	100 J	2300	1900
Di-n-octylphthalate	330	390 U	410 U	60 J	670 UJ	160 J	86 J
Benzo(b)fluoranthene	330	290 J	830 J	1100 J	230 J	1700 J	1200 J
Benzo(k)fluoranthene	330	290 J	1000 J	1400	170 J	1800	1200
Benzo(a)pyrene	330	270 J	530	1100	180 J	1500	950
Indeno(1,2,3-cd)pyrene	330	180 J	340 J	730	150 J	980	700
Dibenz(a,h)anthracene	330	75 J	140 J	280 J	69 J	240 J	280 J
Benzo(g,h,i)perylene	330	150 J	280 J	540	150 J	780 J	570
DILUTION FACTOR:		1.0	1.0	1.0	1.0	2.0	1.0
DATE SAMPLED:		09/09/98	09/09/98	09/09/98	09/09/98	09/09/98	09/09/98
DATE EXTRACTED:		09/14/98	09/14/98	09/14/98	09/14/98	09/14/98	09/14/98
DATE ANALYZED:		09/23/98	09/23/98	09/23/98	09/19/98	09/23/98	09/23/98
% MOISTURE:		16	19	23	51	16	19

NOTE: RESULTS ARE REPORTED ON A DRY WEIGHT BASIS

SITE: CENTREDALE MANOR
CASE: 28464 SDG: APA82
LABORATORY: COMPUCHEM

TABLE 1
SEMI-VOLATILE SOIL ANALYSIS
µg/kg

COMPOUND	CRQL	AP810	AP811
		SD-33 909539	SD-34 909540
Phenol	330	460 U	590 UJ
bis(2-Chloroethyl) ether	330	460 U	590 U
2-Chlorophenol	330	460 U	590 U
1,3-Dichlorobenzene	330	460 U	590 U
1,4-Dichlorobenzene	330	460 U	590 UJ
1,2-Dichlorobenzene	330	460 U	590 U
2-Methylphenol	330	460 U	590 U
2,2'-Oxybis(1-chloropropane)	330	460 U	590 U
4-Methylphenol	330	460 U	590 UJ
N-Nitroso-di-n-propylamine	330	460 U	590 U
Hexachloroethane	330	460 U	590 U
Nitrobenzene	330	460 U	590 U
Isophorone	330	460 U	590 U
2-Nitrophenol	330	460 U	590 U
2,4-Dimethylphenol	330	460 U	590 U
bis(2-Chloroethoxy)methane	330	460 U	590 U
2,4-Dichlorophenol	330	460 U	590 U
1,2,4-Trichlorobenzene	330	460 U	590 U
Naphthalene	330	460 U	590 U
4-Chloroaniline	330	460 U	590 U
Hexachlorobutadiene	330	460 U	590 U
4-Chloro-3-methylphenol	330	460 U	590 U
2-Methylnaphthalene	330	460 U	590 U
Hexachlorocyclopentadiene	330	460 U	590 UJ
2,4,6-Trichlorophenol	330	460 U	590 U
2,4,5-Trichlorophenol	830	1100 U	1500 U
2-Chloronaphthalene	330	460 U	590 U
2-Nitroaniline	830	1100 U	1500 U
Dimethylnthalate	330	460 U	590 U
Acenaphthylene	330	460 U	590 U
2,6-Dinitrotoluene	330	460 U	590 U
3-Nitroaniline	830	1100 U	1500 UJ
Acenaphthene	330	85 J	R
2,4-Dinitrophenol	830	1100 U	1500 U
4-Nitrophenol	830	1100 U	1500 U
Dibenzofuran	330	460 U	590 U
2,4-Dinitrotoluene	330	460 U	590 U
Diethylphthalate	330	460 U	590 U
4-Chlorophenyl-phenylether	330	460 U	590 U
Fluorene	330	460 U	590 U
4-Nitroaniline	830	1100 U	1500 UJ
4,6-Dinitro-2-methylphenol	830	1100 U	1500 U
N-Nitrosodiphenylamine(1)	330	460 U	590 U
4-Bromophenyl-phenylether	330	460 U	590 U
Hexachlorobenzene	330	460 U	590 U
Pentachlorophenol	830	1100 U	1500 U
Phenanthrene	330	590	430 J
Anthracene	330	79 J	150 J
Carbazole	330	74 J	590 U
Di-n-butylphthalate	330	460 U	590 U
Fluoranthene	330	810	820
Pyrene	330	1000	600
Butylbenzylphthalate	330	460 U	590 U
3,3'-Dichlorobenzidine	330	460 U	590 U
Benzo(a)anthracene	330	340 J	380 J
Chrysene	330	470	390 J
Bis(2-ethylhexyl)phthalate	330	160 J	86 J
Di-n-octylphthalate	330	460 U	590 UJ
Benzo(b)fluoranthene	330	830 J	890 J
Benzo(k)fluoranthene	330	1000 J	600 J
Benzo(a)pyrene	330	440 J	430 J
Indeno(1,2,3-cd)pyrene	330	360 J	340 J
Dibenz(a,h)anthracene	330	140 J	180 J
Benzo(g,h,i)perylene	330	350 J	330 J
DILUTION FACTOR:		1.0	1.0
DATE SAMPLED:		09/09/98	09/09/98
DATE EXTRACTED:		09/14/98	09/14/98
DATE ANALYZED:		09/22/98	09/19/98
% MOISTURE:		28	44

NOTE: RESULTS ARE REPORTED ON A DRY WEIGHT BASIS

SITE: CENTREDALE MANOR
CASE: 26464 SDG: APA92
LABORATORY: COMPUCHEM

TABLE 2
PESTICIDE/POLYCHLORINATED BIPHENYL SOIL ANALYSIS
µg/kg

SAMPLE NUMBER: SAMPLE LOCATION: LABORATORY NUMBER:	APA92 SD-15 909515	APA93 SD-16 909520	APA94 SD-17 909521	APA95 SD-18 909522	APA96 SD-19 909523	APA97 SD-20 909524
COMPOUND	CRQL					
alpha-BHC	1.7	2.1 U	4.8 U	5.3 U	1.9 U	2.2 U R
beta-BHC	1.7	2.1 U	4.8 U	5.3 U	R	2.2 U R
delta-BHC	1.7	2.1 U	4.8 U	5.3 U	1.9 U	2.2 U 2.4 J
gamma-BHC (Lindane)	1.7	2.1 U	4.8 U	5.3 U	1.9 UJ	2.2 U R
Heptachlor	1.7	2.1 U	4.8 U	5.3 U	1.9 U	2.2 U R
Aldrin	1.7	2.1 U	4.8 U	5.3 U	1.9 U	2.2 U R
Heptachlor Epoxide	1.7	2.1 U	4.8 U	5.3 U	R	R R
Endosulfan I	1.7	2.1 U	4.8 U	5.3 U	1.9 U	2.2 U R
Dieldrin	3.3	4.0 U	9.4 U	10 U	3.7 U	2.2 U R
4,4'-DDE	3.3	0.31 J	2.5 J	6.8 J	2.8 J	1.3 J 4.2 J
Endrin	3.3	4.0 U	9.4 U	10 U	3.7 U	4.2 U R
Endosulfan II	3.3	4.0 U	9.4 U	10 U	3.7 U	4.2 U R
4,4'-DDD	3.3	4.0 U	1.4 J	10 U	3.7 U	4.2 U R
Endosulfan Sulfate	3.3	4.0 U	9.4 U	2.3 J	R	4.2 U R
4,4'-DDT	3.3	4.0 U	9.4 U	10 U	3.7 U	4.2 U R
Methoxychlor	17	21 U	48 U	53 U	5.3 J	2.7 J 9.9 J
Endrin Ketone	3.3	4.0 U	9.4 U	10 U	3.7 U	4.2 U R
Endrin Aldehyde	3.3	4.0 U	9.4 U	10 U	3.7 U	4.2 U 5.2 J
alpha-Chlordane	1.7	2.1 U	3.5 J	12 J	5.6 J	9.1 R
gamma-Chlordane	1.7	2.1 U	R	7.9 J	4.7 J	4.0 J R
Toxaphene	170	210 U	480 U	530 U	190 U	220 U R
Aroclor-1016	33	40 U	94 U	100 U	37 U	42 U R
Aroclor-1221	67	82 U	190 U	210 U	75 U	86 U R
Aroclor-1232	33	40 U	94 U	100 U	37 U	42 U R
Aroclor-1242	33	40 U	94 U	100 U	37 U	42 U R
Aroclor-1248	33	40 U	94 U	100 U	37 U	42 U R
Aroclor-1254	33	40 U	23 J	58 J	120	42 U 200 J
Aroclor-1260	33	40 U	94 U	100 U	37 U	42 U R
DILUTION FACTOR:	1.0	1.0	1.0	1.0	1.0	1.0
DATE SAMPLED:	09/09/98	09/09/98	09/09/98	09/09/98	09/09/98	09/09/98
DATE EXTRACTED:	09/14/98	09/14/98	09/14/98	09/14/98	09/14/98	09/14/98
DATE ANALYZED:	09/30/98	09/30/98	09/30/98	09/30/98	09/30/98	10/01/98
% MOISTURE:	18	65	68	11	22	71

* - RESULT REPORTED FROM DILUTED ANALYSIS.

NOTE: RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.

SITE: CENTREDALE MANOR
CASE: 26464 SDG: APA92
LABORATORY: COMPUCHEM

TABLE 2
PESTICIDE/POLYCHLORINATED BIPHENYL SOIL ANALYSIS
µg/kg

SAMPLE NUMBER: SAMPLE LOCATION: LABORATORY NUMBER:		APA98 SD-21 909525	APA99 SD-22 909526	APB00 SD-23 909527	APB01 SD-24 909528	APB02 SD-25 909529	APB03 SD-26 909530
COMPOUND	CRQL						
alpha-BHC	1.7	2.3 U	5.5 U	R	R	R	2.1 U
beta-BHC	1.7	2.3 U	R	R	R	R	R
delta-BHC	1.7	2.3 U	5.5 U	R	R	R	2.1 U
gamma-BHC (Lindane)	1.7	2.3 U	5.5 U	R	R	R	2.1 U
Heptachlor	1.7	2.3 U	5.5 U	R	R	R	2.1 U
Aldrin	1.7	2.3 U	5.5 U	R	R	R	2.1 U
Heptachlor Epoxide	1.7	2.3 U	R	R	R	R	2.1 U
Endosulfan I	1.7	2.3 U	5.5 U	R	R	R	2.1 U
Dieldrin	3.3	4.4 U	11 U	R	R	R	4.1 U
4,4'-DDE	3.3	2.8 J	9.5 J	9.3 J	5.1 J	3.7 J	4.1 U
Endrin	3.3	4.4 U	11 U	R	R	R	4.1 U
Endosulfan II	3.3	4.4 U	11 U	R	R	R	4.1 U
4,4'-DDD	3.3	2.4 J	11 U	R	R	R	4.1 U
Endosulfan Sulfate	3.3	2.2 J	R	R	R	R	4.1 U
4,4'-DDT	3.3	4.4 U	11 U	R	R	R	4.1 U
Methoxychlor	17	23 U	16 J	10 J	12 J	10 J	8.7 J
Endrin Ketone	3.3	4.4 U	11 U	R	R	R	4.1 U
Endrin Aldehyde	3.3	2.6 J	R	R	R	R	4.1 U
alpha-Chlordane	1.7	2.3 U	9.1	R	R	R	2.1 U
gamma-Chlordane	1.7	R	9.3 J	5.0 J	3.2 J	2.4 J	R
Toxaphene	170	230 U	550 U	R	R	R	210 U
Aroclor-1016	33	44 U	110 U	R	R	R	41 U
Aroclor-1221	67	90 U	220 U	R	R	R	83 U
Aroclor-1232	33	44 U	110 U	R	R	R	41 U
Aroclor-1242	33	44 U	110 U	R	R	R	41 U
Aroclor-1248	33	44 U	110 U	R	R	R	41 U
Aroclor-1254	33	140	440	320 J	260 J	170 J	33 J
Aroclor-1260	33	44 U	110 U	R	R	R	41 U
DILUTION FACTOR:		1.0	1.0	1.0	1.0	1.0	1.0
DATE SAMPLED:		09/09/98	09/09/98	09/09/98	09/09/98	09/09/98	09/09/98
DATE EXTRACTED:		09/14/98	09/14/98	09/14/98	09/14/98	09/14/98	09/14/98
DATE ANALYZED:		10/01/98	10/01/98	10/01/98	10/01/98	10/01/98	10/01/98
% MOISTURE:		26	69	73	72	70	19

* - RESULT REPORTED FROM DILUTED ANALYSIS.

NOTE: RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.

SITE: CENTREDALE MANOR
CASE: 26464 SDG: APA92
LABORATORY: COMPUCHEM

TABLE 2
PESTICIDE/POLYCHLORINATED BIPHENYL SOIL ANALYSIS
µg/kg

SAMPLE NUMBER: SAMPLE LOCATION: LABORATORY NUMBER:		APB04 SD-27 909531	APB05 SD-28 909532	APB06 SD-29 909533	APB07 SD-30 909534	APB08 SD-31 909537	APB09 SD-32 909538
COMPOUND	CRQL						
alpha-BHC	1.7	2.0 U	2.1 U	2.2 UJ	3.5 U	2.0 U	2.1 U
beta-BHC	1.7	2.0 U	2.1 U	R	6.5 J	R	R
delta-BHC	1.7	2.0 U	2.1 U	2.2 UJ	3.5 U	2.0 U	0.12 J
gamma-BHC (Lindane)	1.7	2.0 U	2.1 U	2.2 UJ	3.5 U	2.0 U	2.1 U
Heptachlor	1.7	2.0 U	2.1 U	2.2 UJ	3.5 U	2.0 U	2.1 U
Aldrin	1.7	2.0 U	2.1 U	2.2 UJ	R	2.0 U	2.1 U
Heptachlor Epoxide	1.7	2.0 U	2.1 U	R	3.5 U	2.0 U	2.1 U
Endosulfan I	1.7	2.0 U	2.1 U	2.2 UJ	3.5 U	2.0 U	2.1 U
Dieldrin	3.3	12 EB	4.1 U	4.3 UJ	27 J, EB	3.9 U	4.1 U
4,4'-DDE	3.3	5.2	0.38 J	4.3 UJ	23 J	3.9 U	4.1 U
Endrin	3.3	3.9 U	4.1 U	4.3 UJ	6.7 U	3.9 U	4.1 U
Endosulfan II	3.3	3.9 U	4.1 U	4.3 UJ	6.7 U	3.9 U	4.1 U
4,4'-DDD	3.3	R	4.1 U	3.7 J	6.7 U	3.9 U	4.1 U
Endosulfan Sulfate	3.3	1.8 J	4.1 U	R	23	R	R
4,4'-DDT	3.3	3.9 U	4.1 U	4.3 UJ	6.7 U	3.9 U	4.1 U
Methoxychlor	17	20 U	3.5 J	10 J	2.3 J	5.8 J	7.3 J
Endrin Ketone	3.3	3.9 U	4.1 U	4.3 UJ	6.7 U	3.9 U	4.1 U
Endrin Aldehyde	3.3	2.6 J	0.77 J	4.3 UJ	R	3.9 U	4.1 U
alpha-Chlordane	1.7	1.2 J	2.1 U	5.4 J	2.6 J	R	3.8
gamma-Chlordane	1.7	R	2.1 U	5.5 J	R	R	1.4 J
Toxaphene	170	200 U	210 U	220 UJ	350 U	200 U	210 U
Aroclor-1018	33	39 U	41 U	43 UJ	67 U	39 U	41 U
Aroclor-1221	67	80 U	83 U	87 UJ	140 U	80 U	83 U
Aroclor-1232	33	39 U	41 U	43 UJ	67 U	39 U	41 U
Aroclor-1242	33	39 U	41 U	43 UJ	67 U	39 U	41 U
Aroclor-1248	33	39 U	41 U	43 UJ	67 U	39 U	41 U
Aroclor-1254	33	140	48 J	65 J	1400	39 U	41 U
Aroclor-1260	33	39 U	41 U	43 UJ	67 U	39 U	41 U
DILUTION FACTOR:		1.0	1.0	1.0	1.0	1.0	1.0
DATE SAMPLED:		09/09/98	09/09/98	09/09/98	09/09/98	09/09/98	09/09/98
DATE EXTRACTED:		09/14/98	09/14/98	09/14/98	09/14/98	09/14/98	09/14/98
DATE ANALYZED:		10/01/98	10/01/98	10/01/98	10/01/98	10/01/98	10/01/98
% MOISTURE:		16	19	23	51	16	19

* - RESULT REPORTED FROM DILUTED ANALYSIS.

NOTE: RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.

SITE: CENTREDALE MANOR
CASE: 26464 SDG: APA92
LABORATORY: COMPUCHEM

TABLE 2
PESTICIDE/POLYCHLORINATED BIPHENYL SOIL ANALYSIS
µg/kg

SAMPLE NUMBER:
SAMPLE LOCATION:
LABORATORY NUMBER:

APB10
SD-33
909539

APB11
SD-34
909540

COMPOUND	CRQL		
alpha-BHC	1.7	2.4 UJ	3.9 U
beta-BHC	1.7	2.4 UJ	R
delta-BHC	1.7	2.4 UJ	3.9 U
gamma-BHC (Lindane)	1.7	2.4 UJ	3.9 U
Heptachlor	1.7	2.4 UJ	3.9 U
Aldrin	1.7	2.4 UJ	1.9 J
Heptachlor Epoxide	1.7	2.4 UJ	3.9 U
Endosulfan I	1.7	* 47 UJ	3.9 U
Dieldrin	3.3	4.6 UJ	7.5 U
4,4'-DDE	3.3	R	1.2 J
Endrin	3.3	4.6 UJ	7.5 U
Endosulfan II	3.3	4.6 UJ	7.5 U
4,4'-DDD	3.3	4.6 UJ	1.4 J
Endosulfan Sulfate	3.3	4.6 UJ	4.3 J
4,4'-DDT	3.3	4.6 UJ	7.5 U
Methoxychlor	17	* 240 UJ	39 U
Endrin Ketone	3.3	4.6 UJ	7.5 U
Endrin Aldehyde	3.3	4.6 UJ	7.5 U
alpha-Chlordane	1.7	2.4 UJ	3.9 U
gamma-Chlordane	1.7	2.4 UJ	3.9 U
Toxaphene	170	240 UJ	390 U
Aroclor-1016	33	46 UJ	75 U
Aroclor-1221	67	93 UJ	150 U
Aroclor-1232	33	46 UJ	75 U
Aroclor-1242	33	46 UJ	75 U
Aroclor-1248	33	46 UJ	75 U
Aroclor-1254	33	* 7800 J	75 U
Aroclor-1260	33	46 UJ	75 U

DILUTION FACTOR:
DATE SAMPLED:
DATE EXTRACTED:
DATE ANALYZED:
% MOISTURE:

1.0/20
09/09/98
09/14/98
10/07/98
28

1.0
09/09/98
09/14/98
10/07/98
58

* - RESULT REPORTED FROM DILUTED ANALYSIS.

NOTE: RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.

DATA SUMMARY KEY
ORGANIC DATA VALIDATION

- J = The associated numerical value is an estimated quantity.
- R = The data are unusable (compound may or may not be present). Resampling and reanalysis are necessary for verification. The R replaces the numerical value or sample quantitation limit.
- U = The compound was analyzed for, but not detected. The associated numerical value is the sample quantitation limit or the adjusted sample quantitation limit.
- UJ = The compound was analyzed for, but not detected. The associated numerical value is the estimated sample quantitation limit.
- EB = The compound was identified in an aqueous equipment blank (EB) that was used to assess field contamination associated with soil/sediment samples.
- TB = The compound was identified in an aqueous trip blank (TB) that was used to assess field contamination associated with soil/sediment samples.
- BB = The compound was identified in an aqueous bottle blank (BB) that was used to assess field contamination associated with soil/sediment samples.

SITE: CENTREDALE MANOR
CASE: 26464 SDG: APB12
LABORATORY: COMPUCHEM

TABLE 1
SEMI-VOLATILE SOIL ANALYSIS
µg/g

SAMPLE NUMBER: SAMPLE LOCATION: LABORATORY NUMBER:	CROL	APB12	APB13	APB17	APB18	APB19
		SD-35 908541	SD-36 908546	SD-37 908547	SD-38 908548	SD-39 908549
COMPOUND						
Phenol	330	940 U	420 U	480 U	970 U	570 U
bis(2-Chloroethyl) ether	330	940 U	420 U	480 U	970 U	570 U
2-Chlorophenol	330	940 U	420 U	480 U	970 U	570 U
1,3-Dichlorobenzene	330	940 U	420 U	480 U	970 U	570 U
1,4-Dichlorobenzene	330	940 U	420 U	480 U	970 U	570 U
1,2-Dichlorobenzene	330	940 U	420 U	480 U	970 U	570 U
2-Methylphenol	330	940 U	420 U	480 U	970 U	570 U
2,2'-Oxybis(1-chloropropane)	330	940 U	420 U	480 U	970 U	570 U
4-Methylphenol	330	940 U	420 U	480 U	970 U	570 U
N-Nitroso-di-n-propylamine	330	940 U	420 U	480 U	970 U	570 U
Hexachloroethane	330	940 U	420 U	480 U	970 U	570 U
Nitrobenzene	330	940 U	420 U	480 U	970 U	570 U
Isophorone	330	940 U	420 U	480 U	970 U	570 U
2-Nitrophenol	330	940 U	420 U	480 U	970 U	570 U
2,4-Dimethylphenol	330	940 U	420 U	480 U	970 U	570 U
bis(2-Chloroethoxy)methane	330	940 U	420 U	480 U	970 U	570 U
2,4-Dichlorophenol	330	940 U	420 U	480 U	970 U	570 U
1,2,4-Trichlorobenzene	330	940 U	420 U	480 U	970 U	570 U
Naphthalene	330	940 U	420 U	930	970 U	570 U
4-Chloroaniline	330	940 U	420 U	480 U	970 U	570 U
Hexachlorobutadiene	330	940 U	420 U	480 U	970 U	570 U
4-Chloro-3-methylphenol	330	940 U	420 U	480 U	970 U	570 U
2-Methylnaphthalene	330	940 U	420 U	440 J	970 U	570 U
Hexachlorocyclopentadiene	330	940 UJ	420 UJ	480 UJ	970 UJ	570 UJ
2,4,6-Trichlorophenol	330	940 U	420 U	480 U	970 U	570 U
2,4,5-Trichlorophenol	830	2400 U	1000 U	1200 U	2400 U	1400 U
2-Chloronaphthalene	330	940 U	420 U	480 U	970 U	570 U
2-Nitroaniline	830	2400 U	1000 U	1200 U	2400 U	1400 U
Dimethylphthalate	330	940 U	420 U	480 U	970 U	570 U
Acenaphthylene	330	940 U	420 U	190 J	970 U	570 U
1,6-Dinitrotoluene	330	940 U	420 U	480 U	970 U	570 U
N-Nitroaniline	830	2400 UJ	1000 UJ	1200 UJ	2400 UJ	1400 UJ
Acenaphthene	330	940 UJ	420 U	1600	970 U	570 U
2,4-Dinitrophenol	830	2400 UJ	1000 UJ	1200 UJ	2400 UJ	1400 UJ
4-Nitrophenol	830	2400 U	1000 U	1200 U	2400 U	1400 U
Dibenzofuran	330	940 U	420 U	1300	970 U	570 U
2,4-Dinitrotoluene	330	940 U	420 U	480 U	970 U	570 U
Diethylphthalate	330	940 U	420 U	480 U	970 U	570 U
4-Chlorophenyl-phenylether	330	940 U	420 U	480 U	970 U	570 U
Fluorene	330	940 U	420 U	2000	970 U	570 U
4-Nitroaniline	830	2400 UJ	1000 UJ	1200 UJ	2400 UJ	1400 UJ
4,6-Dinitro-2-methylphenol	830	2400 U	1000 U	1200 U	2400 U	1400 U
N-Nitrosodiphenylamine(1)	330	940 U	420 U	480 U	970 U	570 U
4-Bromophenyl-phenylether	330	940 U	420 U	480 U	970 U	570 U
Hexachlorobenzene	330	940 U	420 U	480 U	970 U	570 U
Pentachlorophenol	830	2400 UJ	1000 UJ	1200 UJ	2400 UJ	1400 UJ
Phenanthrene	330	280 J	270 J	*17000	210 J	280 J
Anthracene	330	940 U	67 J	3100	970 U	96 J
Carbazole	330	940 UJ	420 UJ	2000 J	970 UJ	570 UJ
Di-n-butylphthalate	330	940 U	420 U	480 U	970 U	570 U
Fluoranthene	330	480 J	530	*17000	630 J	670
Pyrene	330	360 J	380 J	*17000	480 J	560 J
Butylbenzylphthalate	330	940 UJ	420 UJ	480 UJ	970 UJ	570 UJ
3,3'-Dichlorobenzidine	330	940 U	420 U	480 U	970 U	570 U
Benzo(a)anthracene	330	180 J	220 J	*8600	310 J	340 J
Chrysene	330	190 J	270 J	*7900	370 J	370 J
Bis(2-ethylhexyl)phthalate	330	3300 J	74 J	480 UJ	110 J	160 J
Di-n-octylphthalate	330	940 UJ	420 UJ	480 UJ	970 UJ	570 UJ
Benzo(b)fluoranthene	330	310 J	340 J	*8400	530 J	450 J
Benzo(k)fluoranthene	330	100 J	110 J	2400	200 J	150 J
Benzo(a)pyrene	330	180 J	260 J	*6200	390 J	430 J
Indeno(1,2,3-cd)pyrene	330	110 J	130 J	2700	220 J	200 J
Dibenz(a,h)anthracene	330	940 U	46 J	880	970 U	69 J
Benzo(g,h,i)perylene	330	110 J	150 J	2600	250 J	250 J
DILUTION FACTOR:		1.0	1.0	1.0/9.0	1.0	1.0
DATE SAMPLED:		09/09/98	09/09/98	09/09/98	09/09/98	09/09/98
DATE EXTRACTED:		09/15/98	09/15/98	09/15/98	09/15/98	09/15/98
DATE ANALYZED:		09/21/98	09/21/98	09/21/98	09/21/98	09/21/98
% MOISTURE:		65	21	32	66	42

* - RESULT REPORTED FROM DILUTED ANALYSIS.

NOTE: RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.

SITE: CENTREDALE MANOR
CASE: 26464 SDG: APB12
LABORATORY: COMPUCHEM

TABLE 2
SEMI-VOLATILE WATER ANALYSIS
MPL

SAMPLE NUMBER: APB20
SAMPLE LOCATION: RB-01
LABORATORY NUMBER: 908550

COMPOUND	CRQL	
Phenol	10	1 J
bis(2-Chloroethyl) ether	10	10 U
2-Chlorophenol	10	10 U
1,3-Dichlorobenzene	10	-10 U
1,4-Dichlorobenzene	10	10 U
1,2-Dichlorobenzene	10	10 U
2-Methylphenol	10	10 U
2,2'-Oxybis(1-chloropropane)	10	10 U
4-Methylphenol	10	10 U
N-Nitroso-di-n-propylamine	10	10 U
Hexachloroethane	10	10 U
Nitrobenzene	10	10 U
Isophorone	10	10 U
2-Nitrophenol	10	10 U
2,4-Dimethylphenol	10	10 U
bis(2-Chloroethoxy)methane	10	10 U
2,4-Dichlorophenol	10	10 U
1,2,4-Trichlorobenzene	10	10 U
Naphthalene	10	10 U
4-Chloroaniline	10	10 U
Hexachlorobutadiene	10	10 U
4-Chloro-3-methylphenol	10	10 U
2-Methylnaphthalene	10	10 U
Hexachlorocyclopentadiene	10	10 U
2,4,6-Trichlorophenol	10	10 U
2,4,5-Trichlorophenol	25	25 U
2-Chloronaphthalene	10	10 U
2-Nitroaniline	25	25 U
Dimethylphthalate	10	10 U
Acenaphthylene	10	10 U
2,6-Dinitrotoluene	10	10 U
3-Nitroaniline	25	25 U
Acenaphthene	10	10 U
2,4-Dinitrophenol	25	25 U
4-Nitrophenol	25	25 U
Dibenzofuran	10	10 U
2,4-Dinitrotoluene	10	10 U
Diethylphthalate	10	10 U
4-Chlorophenyl-phenylether	10	10 U
Fluorene	10	10 U
4-Nitroaniline	25	25 U
4,6-Dinitro-2-methylphenol	25	25 U
N-Nitrosodiphenylamine(1)	10	10 U
4-Bromophenyl-phenylether	10	10 U
Hexachlorobenzene	10	10 U
Pentachlorophenol	25	25 U
Phenanthrene	10	10 U
Anthracene	10	10 U
Carbazole	10	10 U
Di-n-butylphthalate	10	10 U
Fluoranthene	10	10 U
Pyrene	10	10 U
Butylbenzylphthalate	10	10 U
3,3'-Dichlorobenzidine	10	10 U
Benzo(a)anthracene	10	10 U
Chrysene	10	10 U
Bis(2-ethylhexyl)phthalate	10	10 U
Di-n-octylphthalate	10	10 U
Benzo(b)fluoranthene	10	10 U
Benzo(k)fluoranthene	10	10 U
Benzo(a)pyrene	10	10 U
Indeno(1,2,3-cd)pyrene	10	10 U
Dibenz(a,h)anthracene	10	10 U
Benzo(g,h,i)perylene	10	10 U

DILUTION FACTOR: 0.99
DATE SAMPLED: 09/09/98
DATE EXTRACTED: 09/14/98
DATE ANALYZED: 09/16/98

SITE: CENTREDALE MANOR
CASE: 26464 SDG: APB12
LABORATORY: COMPUCHEM

TABLE 3
PESTICIDE/POLYCHLORINATED BIPHENYL SOIL ANALYSIS
µg/kg

SAMPLE NUMBER:	APB12	APB13	APB17	APB18	APB19	
SAMPLE LOCATION:	SD-35	SD-36	SD-37	SD-38	SD-39	
LABORATORY NUMBER:	909541	909546	909547	909548	909549	
COMPOUND	CRQL					
alpha-BHC	1.7	4.8 U	2.2 U	2.5 UJ	5.0 U	2.9 U
beta-BHC	1.7	4.8 U	2.2 U	2.5 UJ	5.0 U	2.9 U
delta-BHC	1.7	4.8 U	2.2 U	2.5 UJ	5.0 U	2.9 U
gamma-BHC (Lindane)	1.7	4.8 U	2.2 U	2.5 UJ	5.0 U	2.9 U
Heptachlor	1.7	4.8 U	2.2 U	2.5 UJ	5.0 U	2.9 U
Aldrin	1.7	4.8 U	2.2 U	2.5 UJ	5.0 U	2.9 U
Heptachlor Epoxide	1.7	4.8 U	2.2 U	2.2 J	5.0 U	2.9 U
Endosulfan I	1.7	4.8 U	2.2 U	2.5 UJ	5.0 U	0.25 J
Dieldrin	3.3	9.4 U	4.2 U	6.8 UJ	9.7 U	5.7 U
4,4'-DDE	3.3	1.3 J	4.2 U	4.8 UJ	2.5 J	3.1 J
Endrin	3.3	9.4 U	4.2 U	4.8 UJ	9.7 U	5.7 U
Endosulfan II	3.3	9.4 U	4.2 U	4.8 UJ	9.7 U	5.7 U
4,4'-DDD	3.3	1.6 J	0.89 J	4.8 UJ	1.7 J	1.7 J
Endosulfan Sulfate	3.3	9.4 U	4.2 U	4.8 UJ	9.7 U	5.7 U
4,4'-DDT	3.3	9.4 U	4.2 U	11 J	9.7 U	5.7 U
Methoxychlor	17	48 U	22 U	25 UJ	50 U	29 U
Endrin Ketone	3.3	9.4 U	1.9 J	20 J	2.3 J	5.7 U
Endrin Aldehyde	3.3	9.4 U	4.2 U	4.8 UJ	9.7 U	5.7 U
alpha-Chlordane	1.7	4.8 U	2.2 U	2.5 UJ	1.4 J	0.45 J
gamma-Chlordane	1.7	4.8 U	R	2.5 UJ	R	2.4 J
Toxaphene	170	480 U	220 U	250 UJ	500 U	290 U
Aroclor-1016	33	94 U	42 U	48 UJ	97 U	57 U
Aroclor-1221	67	190 U	85 U	98 UJ	200 U	120 U
Aroclor-1232	33	94 U	42 U	48 UJ	97 U	57 U
Aroclor-1242	33	94 U	42 U	48 UJ	97 U	57 U
Aroclor-1248	33	94 U	42 U	48 UJ	97 U	57 U
Aroclor-1254	33	94 U	42 U	48 UJ	97 U	57 U
Aroclor-1260	33	94 U	42 U	48 UJ	97 U	57 U
DILUTION FACTOR:	1.0	1.0	1.0	1.0	1.0	
DATE SAMPLED:	09/09/98	09/09/98	09/09/98	09/09/98	09/09/98	
DATE EXTRACTED:	09/15/98	09/15/98	09/15/98	09/15/98	09/15/98	
DATE ANALYZED:	09/29/98	09/29/98	09/29/98	09/29/98	09/29/98	
% MOISTURE:	65	21	32	66	42	

NOTE: RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.

SITE: CENTREDALE MANOR
CASE: 26484 SDG: APB12
LABORATORY: COMPUCHEM

TABLE 4
PESTICIDE/POLYCHLORINATED BIPHENYL AQUEOUS ANALYSIS
µg/L

SAMPLE NUMBER: APB20
SAMPLE LOCATION: RB-01
LABORATORY NUMBER: 909550

COMPOUND	CRQL	
alpha-BHC	0.050	0.054 U
beta-BHC	0.050	0.054 U
delta-BHC	0.050	0.054 U
gamma-BHC (Lindane)	0.050	0.054 U
Heptachlor	0.050	0.054 U
Aldrin	0.050	0.054 U
Heptachlor Epoxide	0.050	0.054 U
Endosulfan I	0.050	0.054 U
Dieldrin	0.10	0.0078 J
4,4'-DDE	0.10	0.11 U
Endrin	0.10	0.11 U
Endosulfan II	0.10	0.11 U
4,4'-DDD	0.10	0.11 U
Endosulfan Sulfate	0.10	0.11 U
4,4'-DDT	0.10	0.11 U
Methoxychlor	0.50	0.54 U
Endrin Ketone	0.10	0.11 U
Endrin Aldehyde	0.10	0.11 U
alpha-Chlordane	0.050	0.054 U
gamma-Chlordane	0.050	0.054 U
Toxaphene	5.0	5.4 U
Aroclor-1016	1.0	1.1 U
Aroclor-1221	2.0	2.2 U
Aroclor-1232	1.0	1.1 U
Aroclor-1242	1.0	1.1 U
Aroclor-1248	1.0	1.1 U
Aroclor-1254	1.0	1.1 U
Aroclor-1260	1.0	1.1 U

DILUTION FACTOR: 1.07
DATE SAMPLED: 08/08/98
DATE EXTRACTED: 08/15/98
DATE ANALYZED: 08/18/98