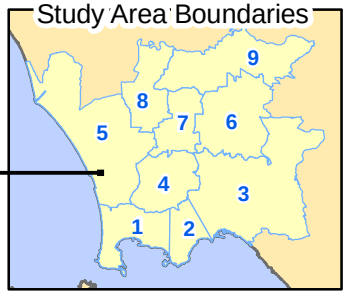

Legend

Study Area Boundary (1-9)

Sample Locations

Soil Gas

Soil

Tap Water

0 75 150 300 Feet

PIONEER TECHNOLOGIES CORPORATION

Parco Artemide Sample Locations
Phase I Screening Risk Evaluation
Naples, Italy

DWN:	PROJECT:
KR	
DATE:	FIGURE NO.:
May 2009	1

Table 1: Summary of Parco Artemide Residence Risks by Location

Site ID	Water Source	Soil RSL CNCEF	Soil RSL CCEF	Soil Gas RSL CNCEF	Soil Gas RSL CCEF	Tap Water Ing.+Inh.[1] RSL CNCEF	Tap Water Ing.+Inh.[1] RSL CCEF	Tap Water Inh. Only[2] RSL CNCEF	Tap Water Inh. Only[2] RSL CCEF	Includes Soil, Soil Gas, and Tap Water				Exceed Fecal or Total Coliform MCL?	Exceed MCL for any Chemical?	Ing.+Inh. Acceptable or Unacceptable	Inh. Only Acceptable or Unacceptable
										Total CNCEF Ing.+Inh.[3]	Total CCEF Ing.+Inh.[3]	Total CNCEF Inh. Only[4]	Total CCEF Inh. Only[4]				
AR03	Public	0.03	2.0	0.0009	0.6	0.6	1.7	0.002	0.6	0.60	4.30	0.03	3.21	No	No	Acceptable	Acceptable
AR05	Public	0.04	0.2	0	0	0.8	2.5	0.0008	0.7	0.84	2.69	0.04	0.87	No	No	Acceptable	Acceptable
AR08	Public	0.03	0.08	0	0	0.7	1.9	0.002	0.6	0.76	1.94	0.04	0.71	No	No	Acceptable	Acceptable
AR09	Public	0.04	0.1	0.001	0.9	0.6	2.2	0.0007	0.6	0.65	3.16	0.04	1.61	No	No	Acceptable	Acceptable
AR10	Public	0.04	0.2	0	0	0.4	1.7	0.0006	0.6	0.46	1.87	0.04	0.79	No	No	Acceptable	Acceptable
AR11	Public	0.05	0.3	0	0	1.3	2.0	0.0006	0.6	1.40	2.27	0.05	0.86	No	No	Unacceptable	Acceptable
AR13	Public	0.03	0.06	0	0.3	0.6	1.1	0.001	0.1	0.59	1.54	0.03	0.50	No	No	Acceptable	Acceptable
AR16	Public	0.04	0.1	0.03	0	2.8	49.3	1.1	48.6	2.85	49.48	1.14	48.75	No	No	Unacceptable	Unacceptable
AR21	Public	0.04	0.1	0	0	0.4	2.0	0.0005	0.5	0.48	2.13	0.04	0.65	No	No	Acceptable	Acceptable
AR24	Public	0.05	0.2	0	0	0.3	1.2	0.0005	0.5	0.34	1.41	0.05	0.72	No	No	Acceptable	Acceptable

Note:

CCEF = Cumulative Cancer Exceedance Factor, CNCEF = Cumulative Noncancer Exceedance Factor, Inh. = Inhalation, Ing. = Ingestion, RSL = USEPA Regional risk-based screening level, MCL = USEPA Maximum Contaminant Limit

0.0 = Value is less than 0.01.

Residences that meet the unacceptable criteria for Ing.+Inh. or Inh. Only are shaded and bold.

[1]Ing.+Inh. exposure scenario for residences assuming that tap water IS used for drinking, cooking, brushing teeth, and making ice.

[2]Inh. Only exposure scenario for residences assuming that tap water IS NOT used for drinking, cooking, brushing teeth, and making ice.

[3]Ing.+Inh. exposure scenario for residences (Total Cumalative Exceedance Factor-Based on Soil, Soil Gas, and Tap Water) assuming that tap water IS used for drinking, cooking, brushing teeth, and making ice.

[4]Inh. Only exposure scenario for residences (Total Cumalative Exceedance Factor-Based on Soil, Soil Gas, and Tap Water) assuming that tap water IS NOT used for drinking, cooking, brushing teeth, and making ice.

Attachment A

Overview of the Phase I Screening Risk Evaluation Approach

Comparison of Environmental Sampling Results to Risk-Based Screening Concentrations

To determine whether or not the sampling results for soil, soil gas, and tap water are potentially of concern to human health, the sampling results were compared to United States Environmental Protection Agency (USEPA) risk-based regional screening levels (RSLs). The RSLs incorporate many conservative assumptions about exposure to be protective of human health.

Concentrations for each chemical were compared to:

1. USEPA RSLs based on 30-year residential exposure
2. USEPA Maximum Contaminant Levels (MCLs) for Drinking Water

The USEPA RSLs are calculated based on carcinogenic (i.e., cancer) risks and noncarcinogenic (i.e., noncancer) health effects. Cancer risk is an estimate of how exposure to a chemical may increase the normal or expected rate of developing cancer in a population of people. The USEPA generally evaluates cancer risk[1] as follows:

- **Acceptable Risk –** A cancer risk of 1×10^{-6} (i.e., one person out of 1,000,000 will develop cancer) or less is considered safe (i.e., acceptable). Note: The USEPA generally also considers the range between one in 10,000 (1×10^{-4}) and one in 1,000,000 (1×10^{-6}) people as a safe (i.e., acceptable) range, and actions to reduce the risk may or may not be required based on various site-specific factors. The USEPA typically considers additional actions to reduce cancer risks that are close to or greater than one in 10,000 (1×10^{-4}) people.

- **Unacceptable Risk** – USEPA considers an increase of "more than" one additional case of cancer (or greater) in 10,000 (1×10^{-4}) people to be of concern (i.e., unacceptable).

Noncancer health effects are expressed by a number known as the "hazard quotient" or "HQ." The HQ compares the amount of a chemical that people may have been exposed to over a specified time period with the amount that is considered to have no effect (i.e., safe). If people are exposed to an amount greater than that considered safe for a particular chemical, then the ratio will be greater than one. Because people can be

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[1] For the purposes of the Phase I SRE, the Navy has decided to use only two categories to categorize risks (i.e., "Acceptable" or "Unacceptable"). See Appendix B for the definition of *Acceptable* and *Unacceptable* risks).

exposed to more than one chemical at a time, the HQs for different chemicals are added together to give an overall "Hazard Index" or "HI," unless data is available to indicate that they should not be added together. USEPA policy considers chemical concentrations resulting in an HI above one to be of concern for developing potential noncancer health effects. Professional judgment must be used to evaluate the potential noncancer health effects related to the concentration of these chemicals to determine if actions to reduce the risk are needed.

Comparison of Environmental Sampling Results to Maximum Contaminant Levels (MCLs)

MCLs are maximum permissible levels of a contaminant in public water supplies. For private water supplies, MCLs are useful for determining potability. MCLs are protective of public health during a lifetime (70 years) for an individual who drinks two liters of water per day.

Attachment B

Risk Management Criteria

This Screening Risk Evaluation (SRE) characterizes the potential health risks associated with living at your residence for 30 years. This is generally a conservative assumption because typical tour lengths range from three to six years. The risk evaluation results were placed into one of two categories: 1) Acceptable Risks or 2) Unacceptable Risks. Based on the results of the SRE, the appropriate course of action will be taken to ensure the safety of U.S. Navy military and civilian personnel and their families. The criteria for each of the risk-management categories are defined below.

United States Navy
Naples, Italy Phase I Screening Risk Evaluation
Risk Management Categories

Criteria/ Actions	Acceptable Risks	Unacceptable Risks
Risk Criteria – for Residences Using Tap Water for Drinking, Cooking, Brushing Teeth, and Making Ice[6]	• Total NCEF less than or equal to 1; and • Total CEF less than or equal to 10; and • Concentration less than or equal to USEPA MCL (tap water). Applies to all chemicals.	• Total NCEF greater than 1; or • Total CEF greater than 10; or • Concentration greater than the USEPA MCL (tap water). Applies to all chemicals.
Risk Criteria – for Residences <u>NOT</u> Using Tap Water for Drinking, Cooking, Brushing Teeth, and Making Ice[7]	• Total NCEF less than or equal to 1; and • Total CEF less than or equal to 10; and • Concentration less than or equal to USEPA MCL (tap water). Applies only to Fecal Coliform and Total Coliforms (including Fecal Coliform and E. Coli).	• Total NCEF greater than 1; or • Total CEF greater than 10; or • Concentration greater than the USEPA MCL (tap water). Applies only to Fecal Coliform and Total Coliforms (including Fecal Coliform and E. Coli).

United States Navy
Naples, Italy Phase I Screening Risk Evaluation
Risk Management Categories

Criteria/ Actions	Acceptable Risks	Unacceptable Risks
	Notes: 1. Noncancer exceedance factors (NCEFs) were calculated by dividing the maximum detected concentrations by noncancer-based U.S. Environmental Protection Agency (USEPA) Regional Screening Levels (RSLs). 2. Cancer exceedance factors (CEFs) were calculated by dividing the maximum detected concentrations by cancer-based USEPA RSLs. 3. The individual NCEFs and CEFs were summed to provide the total NCEF and total CEF. 4. An NCEF of 1 corresponds to a Hazard Index of 1. 5. A CEF of 1 corresponds to a cancer risk of 1×10^{-6} (one in a million). A CEF of 10 corresponds to a cancer risk of 1×10^{-5} (one in a one hundred thousand). 6. The tap water RSLs used to evaluate residences that <u>USE</u> tap water for drinking, cooking, brushing teeth, and making ice were based on ingestion and inhalation of household uses (e.g., showering) of tap water. This evaluation also included RSLs for evaluating soil and soil gas, as appropriate. 7. The tap water RSLs used to evaluate residences that <u>DO NOT</u> use tap water for drinking, cooking, brushing teeth, and making ice were based on inhalation of household uses (e.g., showering) of tap water only. This evaluation also included RSLs for evaluating soil and soil gas, as appropriate.	

Attachment C

Environmental Sampling Results

Attachment C - Environmental Sampling Results For Location AR03

Chemical	Soil - mg/kg				
	Sample Results for: AR03SS0010006				
Alkane Hydrocarbon					
Octane	--				
Pentadecane	--				
Tridecane	--				
Undecane	--				
Anion					
Chloride	--				
Cyanide	0.00892 U				
Fluoride	--				
Nitrate (measured as NO3-)	--				
Nitrite (measured as NO2-)	--				
Phosphate	--				
Sulfate	--				
Dioxins/Furans					
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.00000012054				
Disinfectants					
Chlorine (as Cl2)	--				
Disinfection Byproducts					
Total Trihalomethanes	--				
Field Parameters					
Dissolved Oxygen	--				
Oxidation Reduction Potential	--				
pH	--				
Salinity	--				
Specific Conductance	--				
Temperature	--				
Total Dissolved Solids	--				
Total Solids	83.90000000000001				
Turbidity	--				
Inorganics					
Aluminum	31000				
Antimony	0.217				
Arsenic	10.7				
Barium	209				
Beryllium	4.19				
Cadmium (Diet)	0.182				
Cadmium (Water)	--				

Attachment C - Environmental Sampling Results For Location AR03

	Soil - mg/kg				
Chemical	Sample Results for: AR03SS0010006				
Chromium	5.14				
Cobalt	4.01				
Copper	25.1				
Iron	16400				
Lead	30.7				
Manganese (Diet)	487				
Manganese (Water)	--				
Mercury	0.186 U				
Nickel	4.76				
Selenium	0.159 U				
Silver	0.122 U				
Thallium	1.66				
Tin	2.22				
Vanadium	44.7				
Zinc	47.8				
Microorganisms					
Fecal Coliform	--				
Fecal Streptococcus	--				
Heterotrophic Plate Count	--				
Total Coliforms (including Fecal Coliform and E. Coli)	--				
Pesticides					
4,4-DDD	0.000499 U				
4,4-DDE	0.00049 U				
4,4-DDT	0.000656 U				
Aldrin	0.000397 U				
alpha-BHC	0.00049 U				
alpha-Chlordane	0.000397 U				
beta-BHC	0.000601 U				
Chlordane	--				
delta-BHC	0.000545 U				
Dieldrin	0.000555 U				
Endosulfan I	0.000499 U				
Endosulfan II	0.000397 U				
Endosulfan Sulfate	0.000564 U				
Endrin	0.000638 U				
Endrin Aldehyde	0.000573 U				

Attachment C - Environmental Sampling Results For Location AR03

Chemical	Soil - mg/kg				
	Sample Results for: AR03SS0010006				
gamma-BHC (Lindane)	0.000471 U				
gamma-Chlordane	0.000434 U				
Heptachlor	0.000564 U				
Heptachlor Epoxide	0.000434 U				
Methoxychlor	0.000702 U				
Toxaphene	0.00555 UJ				
Polychlorinated bi-phenyls					
Aroclor 1016	0.00584 U				
Aroclor 1016/1260	--				
Aroclor 1221	0.00584 U				
Aroclor 1232	0.00584 U				
Aroclor 1242	0.00584 U				
Aroclor 1248	0.00584 U				
Aroclor 1254	0.00584 U				
Aroclor 1260	0.00584 U				
Radionuclides					
Uranium	--				
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	0.0178 U				
1,2,4,5-Tetrachlorobenzene	0.0142 U				
2,3,4,6-Tetrachlorophenol	0.0841 U				
2,4,5-Trichlorophenol	0.146 U				
2,4,6-Trichlorophenol	0.0782 U				
2,4-Dichlorophenol	0.0912 U				
2,4-Dimethylphenol	0.175 U				
2,4-Dinitrophenol	0.0651 U				
2,4-Dinitrotoluene	0.0213 U				
2,6-Dichlorophenol	0.0557 U				
2,6-Dinitrotoluene	0.0178 U				
2-Chloronaphthalene	0.00948 U				
2-Chlorophenol	0.0592 U				
2-Methylnaphthalene	0.0201 U				
2-Methylphenol (o-Cresol)	0.118 U				
2-Nitrophenol	0.0746 U				
3&4-Methylphenol	0.136 U				
3-Methylphenol	--				
3-Nitroaniline	0.0213 U				

Attachment C - Environmental Sampling Results For Location AR03

	Soil - mg/kg				
Chemical	Sample Results for: AR03SS0010006				
4,6-Dinitro-2-Methylphenol	0.0794 U				
4-Bromophenylphenylether	0.0142 U				
4-Chloro-3-Methylphenol	0.104 U				
4-Chloroanaline	0.0272 U				
4-Methylphenol (p-Cresol)	--				
4-Nitroaniline	0.0521 U				
4-Nitrophenol	0.14 U				
Acenaphthene	0.0118 U				
Acenaphthylene	0.0107 U				
Aniline	0.0237 U				
Anthracene	0.0142 U				
Atrazine	0.0308 U				
Benzo(g,h,i)perylene	0.0332 U				
Bis(2-ethylhexyl)phthalate	0.124 U				
Butylbenzylphthalate	0.0355 U				
Carbazole	0.0213 U				
Di-n-butylphthalate	0.0509 U				
Di-n-octylphthalate	0.0237 U				
Dibenzofuran	0.0118 U				
Diethylphthalate	0.0201 U				
Dimethylphthalate	0.0154 U				
Diphenylamine	0.0616 U				
Fluoranthene	0.0507 J				
Fluorene	0.0142 U				
Hexachlorobenzene	0.013 U				
Hexachlorobutadiene	0.0118 U				
Hexachlorocyclopentadiene	0.0166 U				
Hexachloroethane	0.013 U				
Naphthalene	0.00711 U				
Nitrobenzene	0.0178 U				
o-Toluidine	0.0213 U				
Pentachlorobenzene	0.0332 U				
Pentachloronitrobenzene	0.000462 U				
Pentachlorophenol	0.182 U				
Phenanthrene	0.0355 U				
Phenol	0.0403 U				

Attachment C - Environmental Sampling Results For Location AR03

Chemical	Soil - mg/kg				
	Sample Results for: AR03SS0010006				
Pyrene	0.0447 J				
Total Carcinogenic PAHS (BaP TEQs)	0.029501				
Total Petroleum Hydrocarbon					
Tph (c03-c20)	--				
Tph (c08-c40)	--				
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	0.0005 U				
1,1,1-Trichloroethane	0.000667 U				
1,1,2,2-Tetrachloroethane	0.000333 U				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.00117 U				
1,1,2-Trichloroethane	0.0005 U				
1,1-Dichloroethane	0.00117 U				
1,1-Dichloroethene	0.000833 U				
1,2,3-Trichlorobenzene	0.000833 U				
1,2,3-Trichloropropane	0.0005 U				
1,2,4-Trichlorobenzene	0.0005 U				
1,2,4-Trimethylbenzene	0.000667 U				
1,2-Dibromo-3-Chloropropane	0.000667 U				
1,2-Dibromoethane	0.000167 U				
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	--				
1,2-Dichlorobenzene	0.000167 U				
1,2-Dichloroethane	0.000333 U				
1,2-Dichloropropane	0.0005 U				
1,3,5-Trimethylbenzene	0.000333 U				
1,3-Butadiene	--				
1,3-Dichlorobenzene	0.000333 U				
1,3-Dichloropropane	0.000333 U				
1,4-Dichlorobenzene	0.000167 U				
2,2-Dichloropropane	0.000833 U				
2-Butanone (methyl ethyl ketone)	0.003 U				
2-Chlorotoluene	0.0005 U				
2-Hexanone	0.00167 U				
4-Chlorotoluene	0.000333 U				
4-Isopropyltoluene	0.000333 U				
4-Methyl-2-Pentanone	0.0005 U				
Acetaldehyde	--				

Attachment C - Environmental Sampling Results For Location AR03

	Soil - mg/kg				
Chemical	Sample Results for: AR03SS0010006				
Acetone	0.00967 U				
Acetonitrile	--				
Acetophenone	--				
Acrolein	--				
Acrylonitrile	--				
Benzene	0.0005 U				
Bis(2-Chloroethyl)ether	--				
Bis(chloromethyl)ether	--				
Bromochloromethane	0.000667 U				
Bromodichloromethane	0.000667 U				
Bromoform	0.000333 U				
Bromomethane	0.005 U				
Carbon Disulfide	--				
Carbon Tetrachloride	0.000667 U				
Chlorobenzene	0.000333 U				
Chloroethane	0.000667 U				
Chloroform	0.00117 U				
Chloromethane	0.0015 U				
Chloroprene	--				
cis-1,2-Dichloroethene	0.00117 U				
cis-1,3-Dichloropropene	0.000167 U				
Cyclohexane	--				
Dibromochloromethane	0.000167 U				
Dibromomethane	--				
Dichlorodifluoromethane (Freon 12)	--				
Ethylbenzene	0.0005 U				
Formaldehyde	--				
Hexane	--				
Isobutyl Alcohol	--				
Isophorone	--				
Isopropylbenzene	0.000333 U				
m,p-Xylenes	0.001 U				
Methyl Acetate	--				
Methyl tert-Butyl Ether	0.000833 U				
Methylcyclohexane	--				
Methylene Chloride	0.00167 U				

Attachment C - Environmental Sampling Results For Location AR03

Chemical	Soil - mg/kg				
	Sample Results for: AR03SS0010006				
n-Butylbenzene	0.000333 U				
n-Propylbenzene	0.0005 U				
o-Xylene	0.000333 U				
Pentachloroethane	--				
sec-Butylbenzene	0.000333 U				
Styrene	0.000333 U				
tert-Butylbenzene	0.000667 U				
Tetrachloroethene	0.001 U				
Toluene	0.000833 U				
trans-1,2-Dichloroethene	0.001 U				
trans-1,3-Dichloropropene	0.0005 U				
Trans-1,4-Dichloro-2-Butene	--				
Trichloroethene	0.000833 U				
Trichlorofluoromethane	0.00133 UJ				
Vinyl Acetate	--				
Vinyl Chloride	0.000667 U				
Xylenes, Total	--				

-- = The chemical was not analyzed or no value was available.
Fecal Coliform, Fecal Steptococcus and Total Coliforms (including Fecal Coliform and E.Coli) are reported in CFU/100 mL.
Heterotrophic Plate Count is reported in CFU/1 mL.
Data Qualifiers:

Blank (i.e., no qualifier) = The chemical was detected.
> = The chemical was detected.
J = The chemical was detected but the concentration reported is an estimated value.
U = The chemical was not detected.
< = The chemical was not detected.

Attachment C - Environmental Sampling Results For Location AR03

	Soil Gas - mg/m3				
Chemical	Sample Results for: AR03SG0010018				
Alkane Hydrocarbon					
Octane	0.001253153 U				
Pentadecane	0.001071361 U				
Tridecane	0.001005251 U				
Undecane	0.001007079 U				
Anion					
Chloride	--				
Cyanide	--				
Fluoride	--				
Nitrate (measured as NO3-)	--				
Nitrite (measured as NO2-)	--				
Phosphate	--				
Sulfate	--				
Dioxins/Furans					
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	--				
Disinfectants					
Chlorine (as Cl2)	--				
Disinfection Byproducts					
Total Trihalomethanes	--				
Field Parameters					
Dissolved Oxygen	--				
Oxidation Reduction Potential	--				
pH	--				
Salinity	--				
Specific Conductance	--				
Temperature	--				
Total Dissolved Solids	--				
Total Solids	--				
Turbidity	--				
Inorganics					
Aluminum	--				
Antimony	--				
Arsenic	--				
Barium	--				
Beryllium	--				
Cadmium (Diet)	--				
Cadmium (Water)	--				

Attachment C - Environmental Sampling Results For Location AR03

	Soil Gas - mg/m3				
Chemical	Sample Results for: AR03SG0010018				
Chromium	--				
Cobalt	--				
Copper	--				
Iron	--				
Lead	--				
Manganese (Diet)	--				
Manganese (Water)	--				
Mercury	--				
Nickel	--				
Selenium	--				
Silver	--				
Thallium	--				
Tin	--				
Vanadium	--				
Zinc	--				
Microorganisms					
Fecal Coliform	--				
Fecal Streptococcus	--				
Heterotrophic Plate Count	--				
Total Coliforms (including Fecal Coliform and E. Coli)	--				
Pesticides					
4,4-DDD	--				
4,4-DDE	--				
4,4-DDT	--				
Aldrin	--				
alpha-BHC	--				
alpha-Chlordane	--				
beta-BHC	--				
Chlordane	--				
delta-BHC	--				
Dieldrin	--				
Endosulfan I	--				
Endosulfan II	--				
Endosulfan Sulfate	--				
Endrin	--				
Endrin Aldehyde	--				

Attachment C - Environmental Sampling Results For Location AR03

	Soil Gas - mg/m3				
Chemical	Sample Results for: AR03SG0010018				
gamma-BHC (Lindane)	--				
gamma-Chlordane	--				
Heptachlor	--				
Heptachlor Epoxide	--				
Methoxychlor	--				
Toxaphene	--				
Polychlorinated bi-phenyls					
Aroclor 1016	--				
Aroclor 1016/1260	--				
Aroclor 1221	--				
Aroclor 1232	--				
Aroclor 1242	--				
Aroclor 1248	--				
Aroclor 1254	--				
Aroclor 1260	--				
Radionuclides					
Uranium	--				
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	--				
1,2,4,5-Tetrachlorobenzene	--				
2,3,4,6-Tetrachlorophenol	--				
2,4,5-Trichlorophenol	--				
2,4,6-Trichlorophenol	--				
2,4-Dichlorophenol	--				
2,4-Dimethylphenol	--				
2,4-Dinitrophenol	--				
2,4-Dinitrotoluene	--				
2,6-Dichlorophenol	--				
2,6-Dinitrotoluene	--				
2-Chloronaphthalene	--				
2-Chlorophenol	--				
2-Methylnaphthalene	0.0009436 U				
2-Methylphenol (o-Cresol)	--				
2-Nitrophenol	--				
3&4-Methylphenol	--				
3-Methylphenol	--				
3-Nitroaniline	--				

Attachment C - Environmental Sampling Results For Location AR03

	Soil Gas - mg/m3				
Chemical	Sample Results for: AR03SG0010018				
4,6-Dinitro-2-Methylphenol	--				
4-Bromophenylphenylether	--				
4-Chloro-3-Methylphenol	--				
4-Chloroanaline	--				
4-Methylphenol (p-Cresol)	--				
4-Nitroaniline	--				
4-Nitrophenol	--				
Acenaphthene	0.001347673 U				
Acenaphthylene	0.003680355 U				
Aniline	--				
Anthracene	0.002090164 U				
Atrazine	--				
Benzo(g,h,i)perylene	--				
Bis(2-ethylhexyl)phthalate	--				
Butylbenzylphthalate	--				
Carbazole	--				
Di-n-butylphthalate	--				
Di-n-octylphthalate	--				
Dibenzofuran	--				
Diethylphthalate	--				
Dimethylphthalate	--				
Diphenylamine	--				
Fluoranthene	0.002090164 U				
Fluorene	0.002086228 U				
Hexachlorobenzene	--				
Hexachlorobutadiene	--				
Hexachlorocyclopentadiene	--				
Hexachloroethane	--				
Naphthalene	0.002138585 U				
Nitrobenzene	--				
o-Toluidine	--				
Pentachlorobenzene	--				
Pentachloronitrobenzene	--				
Pentachlorophenol	--				
Phenanthrene	0.002090164 U				
Phenol	--				

Chemical	Soil Gas - mg/m3				
	Sample Results for: AR03SG0010018				
Pyrene	0.002090164 U				
Total Carcinogenic PAHS (BaP TEQs)	--				
Total Petroleum Hydrocarbon					
Tph (c03-c20)	0.00828				
Tph (c08-c40)	--				
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	0.000962858 U				
1,1,1-Trichloroethane	0.001786984 U				
1,1,2,2-Tetrachloroethane	0.002791239 U				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--				
1,1,2-Trichloroethane	0.00687281 U				
1,1-Dichloroethane	0.003956043 U				
1,1-Dichloroethene	0.005787206 U				
1,2,3-Trichlorobenzene	--				
1,2,3-Trichloropropane	--				
1,2,4-Trichlorobenzene	--				
1,2,4-Trimethylbenzene	0.001198904 U				
1,2-Dibromo-3-Chloropropane	--				
1,2-Dibromoethane	--				
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	--				
1,2-Dichlorobenzene	0.010181865 U				
1,2-Dichloroethane	0.000542267 U				
1,2-Dichloropropane	--				
1,3,5-Trimethylbenzene	0.000860297 U				
1,3-Butadiene	--				
1,3-Dichlorobenzene	0.001680145 U				
1,3-Dichloropropane	--				
1,4-Dichlorobenzene	0.001866344 U				
2,2-Dichloropropane	--				
2-Butanone (methyl ethyl ketone)	--				
2-Chlorotoluene	--				
2-Hexanone	--				
4-Chlorotoluene	--				
4-Isopropyltoluene	--				
4-Methyl-2-Pentanone	--				

Attachment C - Environmental Sampling Results For Location AR03

	Soil Gas - mg/m3				
Chemical	Sample Results for: AR03SG0010018				
Acetaldehyde	--				
Acetone	--				
Acetonitrile	--				
Acetophenone	--				
Acrolein	--				
Acrylonitrile	--				
Benzene	0.000642986 U				
Bis(2-Chloroethyl)ether	--				
Bis(chloromethyl)ether	--				
Bromochloromethane	--				
Bromodichloromethane	--				
Bromoform	--				
Bromomethane	--				
Carbon Disulfide	--				
Carbon Tetrachloride	0.003514017 U				
Chlorobenzene	0.00221646 U				
Chloroethane	--				
Chloroform	0.003393123 U				
Chloromethane	--				
Chloroprene	--				
cis-1,2-Dichloroethene	0.001600686 U				
cis-1,3-Dichloropropene	--				
Cyclohexane	--				
Dibromochloromethane	--				
Dibromomethane	--				
Dichlorodifluoromethane (Freon 12)	--				
Ethylbenzene	0.001481989 U				
Formaldehyde	--				
Hexane	--				
Isobutyl Alcohol	--				
Isophorone	--				
Isopropylbenzene	--				
m,p-Xylenes	0.001643796 U				
Methyl Acetate	--				
Methyl tert-Butyl Ether	0.001078881 U				
Methylcyclohexane	--				

Attachment C - Environmental Sampling Results For Location AR03

Chemical	Soil Gas - mg/m3				
	Sample Results for: AR03SG0010018				
Methylene Chloride	--				
n-Butylbenzene	--				
n-Propylbenzene	--				
o-Xylene	0.001322952 U				
Pentachloroethane	--				
sec-Butylbenzene	--				
Styrene	--				
tert-Butylbenzene	--				
Tetrachloroethene	0.002543782				
Toluene	0.000659774 U				
trans-1,2-Dichloroethene	0.001655093 U				
trans-1,3-Dichloropropene	--				
Trans-1,4-Dichloro-2-Butene	--				
Trichloroethene	0.000634021 U				
Trichlorofluoromethane	--				
Vinyl Acetate	--				
Vinyl Chloride	0.008176523 U				
Xylenes, Total	--				

-- = The chemical was not analyzed or no value was available.
Fecal Coliform, Fecal Steptococcus and Total Coliforms (including Fecal Coliform and E.Coli) are reported in CFU/100 mL.
Heterotrophic Plate Count is reported in CFU/1 mL.

Data Qualifiers:

Blank (i.e., no qualifier) = The chemical was detected.
> = The chemical was detected.
J = The chemical was detected but the concentration reported is an estimated value.
U = The chemical was not detected.
< = The chemical was not detected.

Attachment C - Environmental Sampling Results For Location AR03

Chemical	Tap Water - mg/L				
	Sample Results for: AR03TW001	Sample Results for: AR03TW002			
Alkane Hydrocarbon					
Octane	--	--			
Pentadecane	--	--			
Tridecane	--	--			
Undecane	--	--			
Anion					
Chloride	11.5	--			
Cyanide	0.004 U	--			
Fluoride	0.2 U	--			
Nitrate (measured as NO3-)	2.43	--			
Nitrite (measured as NO2-)	0.2 U	--			
Phosphate	0.4 U	--			
Sulfate	7.24	--			
Dioxins/Furans					
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.00000000005874	--			
Disinfectants					
Chlorine (as Cl2)	0.02	--			
Disinfection Byproducts					
Total Trihalomethanes	0.002447	--			
Field Parameters					
Dissolved Oxygen	7.47	3.94			
Oxidation Reduction Potential	353	299			
pH	7.3	7.25			
Salinity	--	--			
Specific Conductance	0.69	0.75			
Temperature	24.5	26.9			
Total Dissolved Solids	--	--			
Total Solids	--	--			
Turbidity	13	33			
Inorganics					
Aluminum	0.0022 U	--			
Antimony	0.000883 J	--			
Arsenic	0.00359	--			
Barium	0.0123	--			
Beryllium	0.0000384 U	--			
Cadmium (Diet)	--	--			
Cadmium (Water)	0.000541	--			

Attachment C - Environmental Sampling Results For Location AR03

Chemical	Tap Water - mg/L				
	Sample Results for: AR03TW001	Sample Results for: AR03TW002			
Chromium	0.00015 U	--			
Cobalt	0.00153	--			
Copper	0.165	--			
Iron	0.00851 J	--			
Lead	0.00886 J	--			
Manganese (Diet)	--	--			
Manganese (Water)	0.0515	--			
Mercury	0.000042	--			
Nickel	4.38 J	--			
Selenium	0.0002 U	--			
Silver	0.00012 U	--			
Thallium	0.000307 U	--			
Tin	0.0001 U	--			
Vanadium	0.001 U	--			
Zinc	1.98	--			
Microorganisms					
Fecal Coliform	1 <	1 <			
Fecal Streptococcus	0	0			
Heterotrophic Plate Count	1320	1980			
Total Coliforms (including Fecal Coliform and E. Coli)	1 <	1 <			
Pesticides					
4,4-DDD	0.000003 U	--			
4,4-DDE	0.000002 U	--			
4,4-DDT	0.000006 U	--			
Aldrin	0.000002 U	--			
alpha-BHC	0.000003 U	--			
alpha-Chlordane	0.000003 U	--			
beta-BHC	0.000002 U	--			
Chlordane	--	--			
delta-BHC	0.000001 U	--			
Dieldrin	0.000003 U	--			
Endosulfan I	0.000003 U	--			
Endosulfan II	0.000002 U	--			
Endosulfan Sulfate	0.000007 U	--			
Endrin	0.000002 U	--			
Endrin Aldehyde	0.000002 U	--			

Attachment C - Environmental Sampling Results For Location AR03

Chemical	Tap Water - mg/L				
	Sample Results for: AR03TW001	Sample Results for: AR03TW002			
gamma-BHC (Lindane)	0.000001 U	--			
gamma-Chlordane	0.000002 U	--			
Heptachlor	0.000004 U	--			
Heptachlor Epoxide	0.000004 U	--			
Methoxychlor	0.000003 U	--			
Toxaphene	0.00001 U	--			
Polychlorinated bi-phenyls					
Aroclor 1016	0.00002 U	--			
Aroclor 1016/1260	0.00002 U	--			
Aroclor 1221	0.00002 U	--			
Aroclor 1232	0.00002 U	--			
Aroclor 1242	0.00002 U	--			
Aroclor 1248	0.00002 U	--			
Aroclor 1254	0.00002 U	--			
Aroclor 1260	0.00002 U	--			
Radionuclides					
Uranium	0.000704	--			
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	0.0002 U	--			
1,2,4,5-Tetrachlorobenzene	0.0002 U	--			
2,3,4,6-Tetrachlorophenol	0.0003 U	--			
2,4,5-Trichlorophenol	0.0005 U	--			
2,4,6-Trichlorophenol	0.0005 U	--			
2,4-Dichlorophenol	0.0007 U	--			
2,4-Dimethylphenol	0.001 U	--			
2,4-Dinitrophenol	0.0003 U	--			
2,4-Dinitrotoluene	0.001 U	--			
2,6-Dichlorophenol	0.0008 U	--			
2,6-Dinitrotoluene	0.0001 U	--			
2-Chloronaphthalene	0.0002 U	--			
2-Chlorophenol	0.0009 U	--			
2-Methylnaphthalene	0.0002 U	--			
2-Methylphenol (o-Cresol)	0.0007 U	--			
2-Nitrophenol	0.0009 U	--			
3&4-Methylphenol	0.0012 U	--			
3-Methylphenol	--	--			
3-Nitroaniline	0.001 U	--			

Attachment C - Environmental Sampling Results For Location AR03

Chemical	Tap Water - mg/L				
	Sample Results for: AR03TW001	Sample Results for: AR03TW002			
4,6-Dinitro-2-Methylphenol	0.0002 U	--			
4-Bromophenylphenylether	0.0001 U	--			
4-Chloro-3-Methylphenol	0.0006 U	--			
4-Chloroanaline	0.001 U	--			
4-Methylphenol (p-Cresol)	--	--			
4-Nitroaniline	0.001 U	--			
4-Nitrophenol	0.0003 U	--			
Acenaphthene	0.0001 U	--			
Acenaphthylene	0.0001 U	--			
Aniline	0.001 U	--			
Anthracene	0.0001 U	--			
Atrazine	0.0001 U	--			
Benzo(g,h,i)perylene	0.0001 U	--			
Bis(2-ethylhexyl)phthalate	0.0014 U	--			
Butylbenzylphthalate	0.0001 U	--			
Carbazole	0.0001 U	--			
Di-n-butylphthalate	0.0013 U	--			
Di-n-octylphthalate	0.0002 U	--			
Dibenzofuran	0.0001 U	--			
Diethylphthalate	0.0002 U	--			
Dimethylphthalate	0.0001 U	--			
Diphenylamine	0.0001 U	--			
Fluoranthene	0.0001 U	--			
Fluorene	0.0001 U	--			
Hexachlorobenzene	0.0001 U	--			
Hexachlorobutadiene	0.0002 U	--			
Hexachlorocyclopentadiene	0.001 U	--			
Hexachloroethane	0.0001 U	--			
Naphthalene	0.0002 U	--			
Nitrobenzene	0.0002 U	--			
o-Toluidine	0.0007 U	--			
Pentachlorobenzene	0.0002 U	--			
Pentachloronitrobenzene	0.000003 U	--			
Pentachlorophenol	0.0003 U	--			
Phenanthrene	0.0001 U	--			
Phenol	0.001 U	--			

Attachment C - Environmental Sampling Results For Location AR03

Chemical	Tap Water - mg/L				
	Sample Results for: AR03TW001	Sample Results for: AR03TW002			
Pyrene	0.0001 U	--			
Total Carcinogenic PAHS (BaP TEQs)	0.00012 U	--			
Total Petroleum Hydrocarbon					
Tph (c03-c20)	--	--			
Tph (c08-c40)	--	--			
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	0.00011 U	--			
1,1,1-Trichloroethane	0.00017 U	--			
1,1,2,2-Tetrachloroethane	0.00005 U	--			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0002 U	--			
1,1,2-Trichloroethane	0.00011 U	--			
1,1-Dichloroethane	0.0001 U	--			
1,1-Dichloroethene	0.00013 U	--			
1,2,3-Trichlorobenzene	0.00012 U	--			
1,2,3-Trichloropropane	0.00013 U	--			
1,2,4-Trichlorobenzene	0.00013 U	--			
1,2,4-Trimethylbenzene	0.00006 U	--			
1,2-Dibromo-3-Chloropropane	0.00025 U	--			
1,2-Dibromoethane	0.00009 U	--			
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	0.0004 U	--			
1,2-Dichlorobenzene	0.00007 U	--			
1,2-Dichloroethane	0.00008 U	--			
1,2-Dichloropropane	0.00015 U	--			
1,3,5-Trimethylbenzene	0.00008 U	--			
1,3-Butadiene	--	--			
1,3-Dichlorobenzene	0.00013 U	--			
1,3-Dichloropropane	0.00011 U	--			
1,4-Dichlorobenzene	0.00007 U	--			
2,2-Dichloropropane	0.0001 U	--			
2-Butanone (methyl ethyl ketone)	0.0016 U	--			
2-Chlorotoluene	0.00012 U	--			
2-Hexanone	0.0002 U	--			
4-Chlorotoluene	0.00013 U	--			
4-Isopropyltoluene	0.0001 U	--			
4-Methyl-2-Pentanone	0.0001 U	--			

Attachment C - Environmental Sampling Results For Location AR03

Chemical	Tap Water - mg/L				
	Sample Results for: AR03TW001	Sample Results for: AR03TW002			
Acetaldehyde	--	--			
Acetone	0.0046 U	--			
Acetonitrile	--	--			
Acetophenone	--	--			
Acrolein	0.0004 U	--			
Acrylonitrile	--	--			
Benzene	0.00005 U	--			
Bis(2-Chloroethyl)ether	--	--			
Bis(chloromethyl)ether	--	--			
Bromochloromethane	0.0001 U	--			
Bromodichloromethane	0.000144 J	--			
Bromoform	0.00176 J	--			
Bromomethane	0.00037 U	--			
Carbon Disulfide	--	--			
Carbon Tetrachloride	0.00008 U	--			
Chlorobenzene	0.00012 U	--			
Chloroethane	0.00018 U	--			
Chloroform	0.000108 J	--			
Chloromethane	0.000215 J	--			
Chloroprene	--	--			
cis-1,2-Dichloroethene	0.00013 U	--			
cis-1,3-Dichloropropene	0.00015 U	--			
Cyclohexane	--	--			
Dibromochloromethane	0.000435 J	--			
Dibromomethane	--	--			
Dichlorodifluoromethane (Freon 12)	0.00012 U	--			
Ethylbenzene	0.00005 U	--			
Formaldehyde	--	--			
Hexane	--	--			
Isobutyl Alcohol	--	--			
Isophorone	--	--			
Isopropylbenzene	0.00006 U	--			
m,p-Xylenes	0.00009 U	--			
Methyl Acetate	--	--			
Methyl tert-Butyl Ether	0.00011 U	--			
Methylcyclohexane	--	--			

Attachment C - Environmental Sampling Results For Location AR03

Chemical	Tap Water - mg/L				
	Sample Results for: AR03TW001	Sample Results for: AR03TW002			
Methylene Chloride	0.00069 U	--			
n-Butylbenzene	0.00005 U	--			
n-Propylbenzene	0.00007 U	--			
o-Xylene	0.00007 U	--			
Pentachloroethane	--	--			
sec-Butylbenzene	0.00004 U	--			
Styrene	0.00008 U	--			
tert-Butylbenzene	0.00019 U	--			
Tetrachloroethene	0.00007 U	--			
Toluene	0.00017 U	--			
trans-1,2-Dichloroethene	0.00015 U	--			
trans-1,3-Dichloropropene	0.00007 U	--			
Trans-1,4-Dichloro-2-Butene	--	--			
Trichloroethene	0.00013 U	--			
Trichlorofluoromethane	0.00019 U	--			
Vinyl Acetate	--	--			
Vinyl Chloride	0.00015 U	--			
Xylenes, Total	--	--			

-- = The chemical was not analyzed or no value was available.
Fecal Coliform, Fecal Steptococcus and Total Coliforms (including Fecal Coliform and E.Coli) are reported in CFU/100 mL.
Heterotrophic Plate Count is reported in CFU/1 mL.

Data Qualifiers:

Blank (i.e., no qualifier) = The chemical was detected.
> = The chemical was detected.
J = The chemical was detected but the concentration reported is an estimated value.
U = The chemical was not detected.
< = The chemical was not detected.

Attachment C - Environmental Sampling Results For Location AR05

Chemical	Soil - mg/kg				
	Sample Results for: AR05SS0010006	Sample Results for: AR05SS0010006-D			
Alkane Hydrocarbon					
Octane	--	--			
Pentadecane	--	--			
Tridecane	--	--			
Undecane	--	--			
Anion					
Chloride	--	--			
Cyanide	0.24 U	0.00627 U			
Fluoride	--	--			
Nitrate (measured as NO3-)	--	--			
Nitrite (measured as NO2-)	--	--			
Phosphate	--	--			
Sulfate	--	--			
Dioxins/Furans					
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.00000046294	0.00000066897			
Disinfectants					
Chlorine (as Cl2)	--	--			
Disinfection Byproducts					
Total Trihalomethanes	--	--			
Field Parameters					
Dissolved Oxygen	--	--			
Oxidation Reduction Potential	--	--			
pH	--	--			
Salinity	--	--			
Specific Conductance	--	--			
Temperature	--	--			
Total Dissolved Solids	--	--			
Total Solids	80.2	89.09999999999999			
Turbidity	--	--			
Inorganics					
Aluminum	34000	40100			
Antimony	0.222	0.386			
Arsenic	10.7	12			
Barium	234	308			
Beryllium	4.33	4.97			
Cadmium (Diet)	0.166	0.214			
Cadmium (Water)	--	--			

Attachment C - Environmental Sampling Results For Location AR05

Chemical	Soil - mg/kg				
	Sample Results for: AR05SS0010006	Sample Results for: AR05SS0010006-D			
Chromium	5.61	4.89			
Cobalt	4.1	4.42			
Copper	29.3	18.3			
Iron	16500	19500			
Lead	35.7	27.7			
Manganese (Diet)	518	539			
Manganese (Water)	--	--			
Mercury	0.214 U	0.208 U			
Nickel	4.83	4.58			
Selenium	0.143 U	0.0973 U			
Silver	0.124 U	0.122			
Thallium	1.58	1.34 U			
Tin	2.36	2.46			
Vanadium	43.7	42.9			
Zinc	51.6	54.4			
Microorganisms					
Fecal Coliform	--	--			
Fecal Streptococcus	--	--			
Heterotrophic Plate Count	--	--			
Total Coliforms (including Fecal Coliform and E. Coli)	--	--			
Pesticides					
4,4-DDD	0.000465 U	0.000511 U			
4,4-DDE	0.000456 U	0.000502 UJ			
4,4-DDT	0.000611 U	0.000672 U			
Aldrin	0.00037 U	0.000407 U			
alpha-BHC	0.000456 U	0.000502 U			
alpha-Chlordane	0.00037 U	0.000407 UJ			
beta-BHC	0.000559 U	0.000616 U			
Chlordane	--	--			
delta-BHC	0.000508 U	0.000559 U			
Dieldrin	0.000516 U	0.000568 U			
Endosulfan I	0.000465 U	0.000511 UJ			
Endosulfan II	0.00037 U	0.000407 U			
Endosulfan Sulfate	0.000525 U	0.000578 UJ			
Endrin	0.000594 U	0.000653 U			
Endrin Aldehyde	0.000534 U	0.000587 U			

Attachment C - Environmental Sampling Results For Location AR05

Chemical	Soil - mg/kg				
	Sample Results for: AR05SS0010006	Sample Results for: AR05SS0010006-D			
gamma-BHC (Lindane)	0.000439 U	0.000483 U			
gamma-Chlordane	0.000404 U	0.000445 U			
Heptachlor	0.000525 U	0.000578 U			
Heptachlor Epoxide	0.000404 U	0.000445 U			
Methoxychlor	0.000654 U	0.00072 U			
Toxaphene	0.00516 UJ	0.00568 U			
Polychlorinated bi-phenyls					
Aroclor 1016	0.0066 U	0.00595 U			
Aroclor 1016/1260	--	--			
Aroclor 1221	0.0066 U	0.00595 U			
Aroclor 1232	0.0066 U	0.00595 U			
Aroclor 1242	0.0066 U	0.00595 U			
Aroclor 1248	0.0066 U	0.00595 U			
Aroclor 1254	0.0066 U	0.00595 U			
Aroclor 1260	0.0066 U	0.00595 U			
Radionuclides					
Uranium	--	--			
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	0.0184 U	0.0188 U			
1,2,4,5-Tetrachlorobenzene	0.0148 U	0.0151 U			
2,3,4,6-Tetrachlorophenol	0.0873 U	0.0891 U			
2,4,5-Trichlorophenol	0.151 U	0.154 U			
2,4,6-Trichlorophenol	0.0811 U	0.0829 U			
2,4-Dichlorophenol	0.0947 U	0.0967 U			
2,4-Dimethylphenol	0.182 U	0.186 U			
2,4-Dinitrophenol	0.0676 U	0.0691 U			
2,4-Dinitrotoluene	0.0221 U	0.0226 U			
2,6-Dichlorophenol	0.0578 U	0.059 U			
2,6-Dinitrotoluene	0.0184 U	0.0188 U			
2-Chloronaphthalene	0.00984 U	0.01 U			
2-Chlorophenol	0.0615 U	0.0628 U			
2-Methylnaphthalene	0.0209 U	0.0213 U			
2-Methylphenol (o-Cresol)	0.123 U	0.126 U			
2-Nitrophenol	0.0775 U	0.0791 U			
3&4-Methylphenol	0.141 U	0.144 U			
3-Methylphenol	--	--			
3-Nitroaniline	0.0221 U	0.0226 U			

Attachment C - Environmental Sampling Results For Location AR05

Chemical	Soil - mg/kg				
	Sample Results for: AR05SS0010006	Sample Results for: AR05SS0010006-D			
4,6-Dinitro-2-Methylphenol	0.0824 U	0.0841 U			
4-Bromophenylphenylether	0.0148 U	0.0151 U			
4-Chloro-3-Methylphenol	0.108 U	0.11 U			
4-Chloroanaline	0.0283 U	0.0289 U			
4-Methylphenol (p-Cresol)	--	--			
4-Nitroaniline	0.0541 U	0.0552 U			
4-Nitrophenol	0.145 U	0.148 U			
Acenaphthene	0.0123 U	0.0126 U			
Acenaphthylene	0.0111 U	0.0113 U			
Aniline	0.0246 U	0.0251 U			
Anthracene	0.0148 U	0.0151 U			
Atrazine	0.032 U	0.0326 U			
Benzo(g,h,i)perylene	0.0344 U	0.0352 U			
Bis(2-ethylhexyl)phthalate	0.129 U	0.132 U			
Butylbenzylphthalate	0.0369 U	0.0377 U			
Carbazole	0.0221 U	0.0226 U			
Di-n-butylphthalate	0.0529 U	0.054 U			
Di-n-octylphthalate	0.0246 U	0.0251 U			
Dibenzofuran	0.0123 U	0.0126 U			
Diethylphthalate	0.0209 U	0.0213 U			
Dimethylphthalate	0.016 U	0.0163 U			
Diphenylamine	0.0639 U	0.0653 U			
Fluoranthene	0.0234 U	0.0239 U			
Fluorene	0.0148 U	0.0151 U			
Hexachlorobenzene	0.0135 U	0.0138 U			
Hexachlorobutadiene	0.0123 U	0.0126 U			
Hexachlorocyclopentadiene	0.0172 U	0.0176 U			
Hexachloroethane	0.0135 U	0.0138 U			
Naphthalene	0.00738 U	0.00753 U			
Nitrobenzene	0.0184 U	0.0188 U			
o-Toluidine	0.0221 U	0.0226 U			
Pentachlorobenzene	0.0344 U	0.0352 U			
Pentachloronitrobenzene	0.00043 U	0.000473 U			
Pentachlorophenol	0.189 U	0.193 U			
Phenanthrene	0.0369 U	0.0377 U			
Phenol	0.0418 U	0.0427 U			

Attachment C - Environmental Sampling Results For Location AR05

Chemical	Soil - mg/kg				
	Sample Results for: AR05SS0010006	Sample Results for: AR05SS0010006-D			
Pyrene	0.0221 U	0.0226 U			
Total Carcinogenic PAHS (BaP TEQs)	0.053077 U	0.0541823 U			
Total Petroleum Hydrocarbon					
Tph (c03-c20)	--	--			
Tph (c08-c40)	--	--			
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	0.000401 U	0.000504 U			
1,1,1-Trichloroethane	0.000535 U	0.000672 U			
1,1,2,2-Tetrachloroethane	0.000268 U	0.000336 U			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0036 J	0.00118 U			
1,1,2-Trichloroethane	0.000401 U	0.000504 U			
1,1-Dichloroethane	0.000936 U	0.00118 U			
1,1-Dichloroethene	0.000669 U	0.000839 U			
1,2,3-Trichlorobenzene	0.000669 U	0.000839 U			
1,2,3-Trichloropropane	0.000401 U	0.000504 U			
1,2,4-Trichlorobenzene	0.000401 U	0.000504 U			
1,2,4-Trimethylbenzene	0.000535 U	0.000672 U			
1,2-Dibromo-3-Chloropropane	0.000535 U	0.000672 U			
1,2-Dibromoethane	0.000134 U	0.000168 U			
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	--	--			
1,2-Dichlorobenzene	0.000134 U	0.000168 U			
1,2-Dichloroethane	0.000268 U	0.000336 U			
1,2-Dichloropropane	0.000401 U	0.000504 U			
1,3,5-Trimethylbenzene	0.000268 U	0.000336 U			
1,3-Butadiene	--	--			
1,3-Dichlorobenzene	0.000268 U	0.000336 U			
1,3-Dichloropropane	0.000268 U	0.000336 U			
1,4-Dichlorobenzene	0.000134 U	0.000168 U			
2,2-Dichloropropane	0.000669 U	0.000839 U			
2-Butanone (methyl ethyl ketone)	0.00241 U	0.00302 U			
2-Chlorotoluene	0.000401 U	0.000504 U			
2-Hexanone	0.00134 U	0.00168 U			
4-Chlorotoluene	0.000268 U	0.000336 U			
4-Isopropyltoluene	0.000268 U	0.000336 U			
4-Methyl-2-Pentanone	0.000401 U	0.000504 U			
Acetaldehyde	--	--			

Attachment C - Environmental Sampling Results For Location AR05

Chemical	Soil - mg/kg				
	Sample Results for: AR05SS0010006	Sample Results for: AR05SS0010006-D			
Acetone	0.00776 U	0.0307			
Acetonitrile	--	--			
Acetophenone	--	--			
Acrolein	--	--			
Acrylonitrile	--	--			
Benzene	0.000401 U	0.000504 U			
Bis(2-Chloroethyl)ether	--	--			
Bis(chloromethyl)ether	--	--			
Bromochloromethane	0.000535 U	0.000672 U			
Bromodichloromethane	0.000535 U	0.000672 U			
Bromoform	0.000268 U	0.000336 U			
Bromomethane	0.00401 U	0.00504 U			
Carbon Disulfide	--	--			
Carbon Tetrachloride	0.000535 U	0.000672 U			
Chlorobenzene	0.000268 U	0.000336 U			
Chloroethane	0.000535 U	0.000672 U			
Chloroform	0.000936 U	0.00118 U			
Chloromethane	0.0012 U	0.00151 U			
Chloroprene	--	--			
cis-1,2-Dichloroethene	0.000936 U	0.00118 U			
cis-1,3-Dichloropropene	0.000134 U	0.000168 U			
Cyclohexane	--	--			
Dibromochloromethane	0.000134 U	0.000168 U			
Dibromomethane	--	--			
Dichlorodifluoromethane (Freon 12)	--	--			
Ethylbenzene	0.000401 U	0.000504 U			
Formaldehyde	--	--			
Hexane	--	--			
Isobutyl Alcohol	--	--			
Isophorone	--	--			
Isopropylbenzene	0.000268 U	0.000336 U			
m,p-Xylenes	0.000802 U	0.00101 U			
Methyl Acetate	--	--			
Methyl tert-Butyl Ether	0.000669 U	0.000839 U			
Methylcyclohexane	--	--			
Methylene Chloride	0.00134 U	0.00168 U			

Attachment C - Environmental Sampling Results For Location AR05

Chemical	Soil - mg/kg				
	Sample Results for: AR05SS0010006	Sample Results for: AR05SS0010006-D			
n-Butylbenzene	0.000268 U	0.000336 U			
n-Propylbenzene	0.000401 U	0.000504 U			
o-Xylene	0.000268 U	0.000336 U			
Pentachloroethane	--	--			
sec-Butylbenzene	0.000268 U	0.000336 U			
Styrene	0.000268 U	0.000336 U			
tert-Butylbenzene	0.000535 U	0.000672 U			
Tetrachloroethene	0.000802 U	0.00101 U			
Toluene	0.000669 U	0.000839 J			
trans-1,2-Dichloroethene	0.000802 U	0.00101 U			
trans-1,3-Dichloropropene	0.000401 U	0.000504 U			
Trans-1,4-Dichloro-2-Butene	--	--			
Trichloroethene	0.000669 U	0.000839 U			
Trichlorofluoromethane	0.00107 UJ	0.00134 UJ			
Vinyl Acetate	--	--			
Vinyl Chloride	0.000535 U	0.000672 U			
Xylenes, Total	--	--			

-- = The chemical was not analyzed or no value was available.
Fecal Coliform, Fecal Steptococcus and Total Coliforms (including Fecal Coliform and E.Coli) are reported in CFU/100 mL.
Heterotrophic Plate Count is reported in CFU/1 mL.
Data Qualifiers:

Blank (i.e., no qualifier) = The chemical was detected.
> = The chemical was detected.
J = The chemical was detected but the concentration reported is an estimated value.
U = The chemical was not detected.
< = The chemical was not detected.

Attachment C - Environmental Sampling Results For Location AR05

Chemical	Soil Gas - mg/m3				
	Sample Results for: AR05SG0010018				
Alkane Hydrocarbon					
Octane	0.001253153 U				
Pentadecane	0.001071361 U				
Tridecane	0.001005251 U				
Undecane	0.001007079 U				
Anion					
Chloride	--				
Cyanide	--				
Fluoride	--				
Nitrate (measured as NO3-)	--				
Nitrite (measured as NO2-)	--				
Phosphate	--				
Sulfate	--				
Dioxins/Furans					
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	--				
Disinfectants					
Chlorine (as Cl2)	--				
Disinfection Byproducts					
Total Trihalomethanes	--				
Field Parameters					
Dissolved Oxygen	--				
Oxidation Reduction Potential	--				
pH	--				
Salinity	--				
Specific Conductance	--				
Temperature	--				
Total Dissolved Solids	--				
Total Solids	--				
Turbidity	--				
Inorganics					
Aluminum	--				
Antimony	--				
Arsenic	--				
Barium	--				
Beryllium	--				
Cadmium (Diet)	--				
Cadmium (Water)	--				

Attachment C - Environmental Sampling Results For Location AR05

	Soil Gas - mg/m3				
Chemical	Sample Results for: AR05SG0010018				
Chromium	--				
Cobalt	--				
Copper	--				
Iron	--				
Lead	--				
Manganese (Diet)	--				
Manganese (Water)	--				
Mercury	--				
Nickel	--				
Selenium	--				
Silver	--				
Thallium	--				
Tin	--				
Vanadium	--				
Zinc	--				
Microorganisms					
Fecal Coliform	--				
Fecal Streptococcus	--				
Heterotrophic Plate Count	--				
Total Coliforms (including Fecal Coliform and E. Coli)	--				
Pesticides					
4,4-DDD	--				
4,4-DDE	--				
4,4-DDT	--				
Aldrin	--				
alpha-BHC	--				
alpha-Chlordane	--				
beta-BHC	--				
Chlordane	--				
delta-BHC	--				
Dieldrin	--				
Endosulfan I	--				
Endosulfan II	--				
Endosulfan Sulfate	--				
Endrin	--				
Endrin Aldehyde	--				

Attachment C - Environmental Sampling Results For Location AR05

	Soil Gas - mg/m3				
Chemical	Sample Results for: AR05SG0010018				
gamma-BHC (Lindane)	--				
gamma-Chlordane	--				
Heptachlor	--				
Heptachlor Epoxide	--				
Methoxychlor	--				
Toxaphene	--				
Polychlorinated bi-phenyls					
Aroclor 1016	--				
Aroclor 1016/1260	--				
Aroclor 1221	--				
Aroclor 1232	--				
Aroclor 1242	--				
Aroclor 1248	--				
Aroclor 1254	--				
Aroclor 1260	--				
Radionuclides					
Uranium	--				
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	--				
1,2,4,5-Tetrachlorobenzene	--				
2,3,4,6-Tetrachlorophenol	--				
2,4,5-Trichlorophenol	--				
2,4,6-Trichlorophenol	--				
2,4-Dichlorophenol	--				
2,4-Dimethylphenol	--				
2,4-Dinitrophenol	--				
2,4-Dinitrotoluene	--				
2,6-Dichlorophenol	--				
2,6-Dinitrotoluene	--				
2-Chloronaphthalene	--				
2-Chlorophenol	--				
2-Methylnaphthalene	0.0009436 U				
2-Methylphenol (o-Cresol)	--				
2-Nitrophenol	--				
3&4-Methylphenol	--				
3-Methylphenol	--				
3-Nitroaniline	--				

Attachment C - Environmental Sampling Results For Location AR05

	Soil Gas - mg/m3				
Chemical	Sample Results for: AR05SG0010018				
4,6-Dinitro-2-Methylphenol	--				
4-Bromophenylphenylether	--				
4-Chloro-3-Methylphenol	--				
4-Chloroanaline	--				
4-Methylphenol (p-Cresol)	--				
4-Nitroaniline	--				
4-Nitrophenol	--				
Acenaphthene	0.001347673 U				
Acenaphthylene	0.003680355 U				
Aniline	--				
Anthracene	0.002090164 U				
Atrazine	--				
Benzo(g,h,i)perylene	--				
Bis(2-ethylhexyl)phthalate	--				
Butylbenzylphthalate	--				
Carbazole	--				
Di-n-butylphthalate	--				
Di-n-octylphthalate	--				
Dibenzofuran	--				
Diethylphthalate	--				
Dimethylphthalate	--				
Diphenylamine	--				
Fluoranthene	0.002090164 U				
Fluorene	0.002086228 U				
Hexachlorobenzene	--				
Hexachlorobutadiene	--				
Hexachlorocyclopentadiene	--				
Hexachloroethane	--				
Naphthalene	0.002138585 U				
Nitrobenzene	--				
o-Toluidine	--				
Pentachlorobenzene	--				
Pentachloronitrobenzene	--				
Pentachlorophenol	--				
Phenanthrene	0.002090164 U				
Phenol	--				

Attachment C - Environmental Sampling Results For Location AR05

Chemical	Soil Gas - mg/m3				
	Sample Results for: AR05SG0010018				
Pyrene	0.002090164 U				
Total Carcinogenic PAHS (BaP TEQs)	--				
Total Petroleum Hydrocarbon					
Tph (c03-c20)	0.002215574 U				
Tph (c08-c40)	--				
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	0.000962858 U				
1,1,1-Trichloroethane	0.001786984 U				
1,1,2,2-Tetrachloroethane	0.002791239 U				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--				
1,1,2-Trichloroethane	0.00687281 U				
1,1-Dichloroethane	0.003956043 U				
1,1-Dichloroethene	0.005787206 U				
1,2,3-Trichlorobenzene	--				
1,2,3-Trichloropropane	--				
1,2,4-Trichlorobenzene	--				
1,2,4-Trimethylbenzene	0.001198904 U				
1,2-Dibromo-3-Chloropropane	--				
1,2-Dibromoethane	--				
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	--				
1,2-Dichlorobenzene	0.010181865 U				
1,2-Dichloroethane	0.000542267 U				
1,2-Dichloropropane	--				
1,3,5-Trimethylbenzene	0.000860297 U				
1,3-Butadiene	--				
1,3-Dichlorobenzene	0.001680145 U				
1,3-Dichloropropane	--				
1,4-Dichlorobenzene	0.001866344 U				
2,2-Dichloropropane	--				
2-Butanone (methyl ethyl ketone)	--				
2-Chlorotoluene	--				
2-Hexanone	--				
4-Chlorotoluene	--				
4-Isopropyltoluene	--				
4-Methyl-2-Pentanone	--				

Attachment C - Environmental Sampling Results For Location AR05

	Soil Gas - mg/m3				
Chemical	Sample Results for: AR05SG0010018				
Acetaldehyde	--				
Acetone	--				
Acetonitrile	--				
Acetophenone	--				
Acrolein	--				
Acrylonitrile	--				
Benzene	0.000642986 U				
Bis(2-Chloroethyl)ether	--				
Bis(chloromethyl)ether	--				
Bromochloromethane	--				
Bromodichloromethane	--				
Bromoform	--				
Bromomethane	--				
Carbon Disulfide	--				
Carbon Tetrachloride	0.003514017 U				
Chlorobenzene	0.00221646 U				
Chloroethane	--				
Chloroform	0.003393123 U				
Chloromethane	--				
Chloroprene	--				
cis-1,2-Dichloroethene	0.001600686 U				
cis-1,3-Dichloropropene	--				
Cyclohexane	--				
Dibromochloromethane	--				
Dibromomethane	--				
Dichlorodifluoromethane (Freon 12)	--				
Ethylbenzene	0.001481989 U				
Formaldehyde	--				
Hexane	--				
Isobutyl Alcohol	--				
Isophorone	--				
Isopropylbenzene	--				
m,p-Xylenes	0.001643796 U				
Methyl Acetate	--				
Methyl tert-Butyl Ether	0.001078881 U				
Methylcyclohexane	--				

Attachment C - Environmental Sampling Results For Location AR05

Chemical	Soil Gas - mg/m3				
	Sample Results for: AR05SG0010018				
Methylene Chloride	--				
n-Butylbenzene	--				
n-Propylbenzene	--				
o-Xylene	0.001322952 U				
Pentachloroethane	--				
sec-Butylbenzene	--				
Styrene	--				
tert-Butylbenzene	--				
Tetrachloroethene	0.00226079 U				
Toluene	0.000659774 U				
trans-1,2-Dichloroethene	0.001655093 U				
trans-1,3-Dichloropropene	--				
Trans-1,4-Dichloro-2-Butene	--				
Trichloroethene	0.000634021 U				
Trichlorofluoromethane	--				
Vinyl Acetate	--				
Vinyl Chloride	0.008176523 U				
Xylenes, Total	--				

-- = The chemical was not analyzed or no value was available.
Fecal Coliform, Fecal Steptococcus and Total Coliforms (including Fecal Coliform and E.Coli) are reported in CFU/100 mL.
Heterotrophic Plate Count is reported in CFU/1 mL.

Data Qualifiers:

Blank (i.e., no qualifier) = The chemical was detected.
> = The chemical was detected.
J = The chemical was detected but the concentration reported is an estimated value.
U = The chemical was not detected.
< = The chemical was not detected.

Attachment C - Environmental Sampling Results For Location AR05

Chemical	Tap Water - mg/L				
	Sample Results for: AR05TW001	Sample Results for: AR05TW001-D	Sample Results for: AR05TW002		
Alkane Hydrocarbon					
Octane	--	--	--		
Pentadecane	--	--	--		
Tridecane	--	--	--		
Undecane	--	--	--		
Anion					
Chloride	10.4	10.3	--		
Cyanide	0.004 U	0.004 U	--		
Fluoride	0.2 U	0.2 U	--		
Nitrate (measured as NO3-)	3.03	3.04	--		
Nitrite (measured as NO2-)	0.2 U	0.2 U	--		
Phosphate	0.4 U	0.4 U	--		
Sulfate	9.789999999999999	10.1	--		
Dioxins/Furans					
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.0000000000745	0.00000000007154	--		
Disinfectants					
Chlorine (as Cl2)	0.02	--	--		
Disinfection Byproducts					
Total Trihalomethanes	0.003977	0.001163	--		
Field Parameters					
Dissolved Oxygen	7.25	--	2.57		
Oxidation Reduction Potential	224	--	140		
pH	7.68	--	7.56		
Salinity	--	--	--		
Specific Conductance	0.79	--	0.79		
Temperature	25	--	26.12		
Total Dissolved Solids	--	--	--		
Total Solids	--	--	--		
Turbidity	--	--	25		
Inorganics					
Aluminum	0.00272	0.0022 U	--		
Antimony	0.000464 J	0.00265 J	--		
Arsenic	0.00368	0.00244	--		
Barium	0.0165	0.0156	--		
Beryllium	0.000037 U	0.00003 U	--		
Cadmium (Diet)	--	--	--		
Cadmium (Water)	0.000045	0.000139	--		

Attachment C - Environmental Sampling Results For Location AR05

	Tap Water - mg/L				
Chemical	Sample Results for: AR05TW001	Sample Results for: AR05TW001-D	Sample Results for: AR05TW002		
Chromium	0.000235	0.000167	--		
Cobalt	0.000132	0.000236	--		
Copper	0.264	0.227	--		
Iron	0.799 J	0.0117 J	--		
Lead	0.0116 J	0.00604 J	--		
Manganese (Diet)	--	--	--		
Manganese (Water)	0.0179	0.0139	--		
Mercury	0.000043	0.000043	--		
Nickel	0.049 J	0.13 J	--		
Selenium	0.0002 U	0.0002 U	--		
Silver	0.00012 U	0.00012 U	--		
Thallium	0.000305 U	0.00043 U	--		
Tin	0.000192	0.0001 U	--		
Vanadium	0.001 U	0.001 U	--		
Zinc	0.783	0.975	--		
Microorganisms					
Fecal Coliform	1 <	1 <	1 <		
Fecal Streptococcus	0	0	0		
Heterotrophic Plate Count	1330	1450	1660		
Total Coliforms (including Fecal Coliform and E. Coli)	1 <	1 <	1 <		
Pesticides					
4,4-DDD	0.000003 U	0.000003 U	--		
4,4-DDE	0.000002 U	0.000002 U	--		
4,4-DDT	0.000006 U	0.000006 U	--		
Aldrin	0.000002 U	0.000002 U	--		
alpha-BHC	0.000003 U	0.000003 U	--		
alpha-Chlordane	0.000003 U	0.000003 U	--		
beta-BHC	0.000002 U	0.000002 U	--		
Chlordane	--	--	--		
delta-BHC	0.000001 U	0.000001 U	--		
Dieldrin	0.000003 U	0.000003 U	--		
Endosulfan I	0.000003 U	0.000003 U	--		
Endosulfan II	0.000002 U	0.000002 U	--		
Endosulfan Sulfate	0.000007 U	0.000007 U	--		
Endrin	0.000002 U	0.000002 U	--		
Endrin Aldehyde	0.000002 U	0.000002 U	--		

Attachment C - Environmental Sampling Results For Location AR05

Chemical	Tap Water - mg/L				
	Sample Results for: AR05TW001	Sample Results for: AR05TW001-D	Sample Results for: AR05TW002		
gamma-BHC (Lindane)	0.000001 U	0.000001 U	--		
gamma-Chlordane	0.000002 U	0.000002 U	--		
Heptachlor	0.000004 U	0.000004 U	--		
Heptachlor Epoxide	0.000004 U	0.000004 U	--		
Methoxychlor	0.000003 U	0.000003 U	--		
Toxaphene	0.00001 U	0.00001 U	--		
Polychlorinated bi-phenyls					
Aroclor 1016	0.00002 U	0.00002 U	--		
Aroclor 1016/1260	0.00002 U	0.00002 U	--		
Aroclor 1221	0.00002 U	0.00002 U	--		
Aroclor 1232	0.00002 U	0.00002 U	--		
Aroclor 1242	0.00002 U	0.00002 U	--		
Aroclor 1248	0.00002 U	0.00002 U	--		
Aroclor 1254	0.00002 U	0.00002 U	--		
Aroclor 1260	0.00002 U	0.00002 U	--		
Radionuclides					
Uranium	0.000813	0.000805	--		
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	0.0002 U	0.0002 U	--		
1,2,4,5-Tetrachlorobenzene	0.0002 U	0.0002 U	--		
2,3,4,6-Tetrachlorophenol	0.0003 U	0.0003 U	--		
2,4,5-Trichlorophenol	0.0005 U	0.0005 U	--		
2,4,6-Trichlorophenol	0.0005 U	0.0005 U	--		
2,4-Dichlorophenol	0.0007 U	0.0007 U	--		
2,4-Dimethylphenol	0.001 U	0.001 U	--		
2,4-Dinitrophenol	0.0003 U	0.0003 U	--		
2,4-Dinitrotoluene	0.001 U	0.001 U	--		
2,6-Dichlorophenol	0.0008 U	0.0008 U	--		
2,6-Dinitrotoluene	0.0001 U	0.0001 U	--		
2-Chloronaphthalene	0.0002 U	0.0002 U	--		
2-Chlorophenol	0.0009 U	0.0009 U	--		
2-Methylnaphthalene	0.0002 U	0.0002 U	--		
2-Methylphenol (o-Cresol)	0.0007 U	0.0007 U	--		
2-Nitrophenol	0.0009 U	0.0009 U	--		
3&4-Methylphenol	0.0012 U	0.0012 U	--		
3-Methylphenol	--	--	--		
3-Nitroaniline	0.001 U	0.001 U	--		

Attachment C - Environmental Sampling Results For Location AR05

	Tap Water - mg/L				
Chemical	Sample Results for: AR05TW001	Sample Results for: AR05TW001-D	Sample Results for: AR05TW002		
4,6-Dinitro-2-Methylphenol	0.0002 U	0.0002 U	--		
4-Bromophenylphenylether	0.0001 U	0.0001 U	--		
4-Chloro-3-Methylphenol	0.0006 U	0.0006 U	--		
4-Chloroanaline	0.001 U	0.001 U	--		
4-Methylphenol (p-Cresol)	--	--	--		
4-Nitroaniline	0.001 U	0.001 U	--		
4-Nitrophenol	0.0003 U	0.0003 U	--		
Acenaphthene	0.0001 U	0.0001 U	--		
Acenaphthylene	0.0001 U	0.0001 U	--		
Aniline	0.00305 J	0.00191 J	--		
Anthracene	0.0001 U	0.0001 U	--		
Atrazine	0.0001 U	0.0001 U	--		
Benzo(g,h,i)perylene	0.0001 U	0.0001 U	--		
Bis(2-ethylhexyl)phthalate	0.0014 U	0.0014 U	--		
Butylbenzylphthalate	0.000106 J	0.0001 U	--		
Carbazole	0.0001 U	0.0001 U	--		
Di-n-butylphthalate	0.0013 U	0.0013 U	--		
Di-n-octylphthalate	0.0002 U	0.0002 U	--		
Dibenzofuran	0.0001 U	0.0001 U	--		
Diethylphthalate	0.0002 U	0.0002 U	--		
Dimethylphthalate	0.0001 U	0.0001 U	--		
Diphenylamine	0.0001 U	0.0001 U	--		
Fluoranthene	0.0001 U	0.0001 U	--		
Fluorene	0.0001 U	0.0001 U	--		
Hexachlorobenzene	0.0001 U	0.0001 U	--		
Hexachlorobutadiene	0.0002 U	0.0002 U	--		
Hexachlorocyclopentadiene	0.001 U	0.001 U	--		
Hexachloroethane	0.0001 U	0.0001 U	--		
Naphthalene	0.0002 U	0.0002 U	--		
Nitrobenzene	0.0002 U	0.0002 U	--		
o-Toluidine	0.0007 U	0.0007 U	--		
Pentachlorobenzene	0.0002 U	0.0002 U	--		
Pentachloronitrobenzene	0.000003 U	0.000003 U	--		
Pentachlorophenol	0.0003 U	0.0003 U	--		
Phenanthrene	0.0001 U	0.0001 U	--		
Phenol	0.001 U	0.001 U	--		

Attachment C - Environmental Sampling Results For Location AR05

Chemical	Tap Water - mg/L				
	Sample Results for: AR05TW001	Sample Results for: AR05TW001-D	Sample Results for: AR05TW002		
Pyrene	0.0001 U	0.0001 U	--		
Total Carcinogenic PAHS (BaP TEQs)	0.00012 U	0.00012 U	--		
Total Petroleum Hydrocarbon					
Tph (c03-c20)	--	--	--		
Tph (c08-c40)	--	--	--		
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	0.00011 U	0.00011 U	--		
1,1,1-Trichloroethane	0.00017 U	0.00017 U	--		
1,1,2,2-Tetrachloroethane	0.00005 U	0.00005 U	--		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0002 U	0.0002 U	--		
1,1,2-Trichloroethane	0.00011 U	0.00011 U	--		
1,1-Dichloroethane	0.0001 U	0.0001 U	--		
1,1-Dichloroethene	0.00013 U	0.00013 U	--		
1,2,3-Trichlorobenzene	0.00012 U	0.00012 U	--		
1,2,3-Trichloropropane	0.00013 U	0.00013 U	--		
1,2,4-Trichlorobenzene	0.00013 U	0.00013 U	--		
1,2,4-Trimethylbenzene	0.00006 U	0.00006 U	--		
1,2-Dibromo-3-Chloropropane	0.00025 U	0.00025 U	--		
1,2-Dibromoethane	0.00009 U	0.00009 U	--		
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	0.0004 U	0.0004 U	--		
1,2-Dichlorobenzene	0.00007 U	0.00007 U	--		
1,2-Dichloroethane	0.00008 U	0.00008 U	--		
1,2-Dichloropropane	0.00015 U	0.00015 U	--		
1,3,5-Trimethylbenzene	0.00008 U	0.00008 U	--		
1,3-Butadiene	--	--	--		
1,3-Dichlorobenzene	0.00013 U	0.00013 U	--		
1,3-Dichloropropane	0.00011 U	0.00011 U	--		
1,4-Dichlorobenzene	0.00007 U	0.00007 U	--		
2,2-Dichloropropane	0.0001 U	0.0001 U	--		
2-Butanone (methyl ethyl ketone)	0.0016 U	0.0016 U	--		
2-Chlorotoluene	0.00012 U	0.00012 U	--		
2-Hexanone	0.0002 U	0.0002 U	--		
4-Chlorotoluene	0.00013 U	0.00013 U	--		
4-Isopropyltoluene	0.0001 U	0.0001 U	--		
4-Methyl-2-Pentanone	0.0001 U	0.0001 U	--		

Attachment C - Environmental Sampling Results For Location AR05

	Tap Water - mg/L				
Chemical	Sample Results for: AR05TW001	Sample Results for: AR05TW001-D	Sample Results for: AR05TW002		
Acetaldehyde	--	--	--		
Acetone	0.00199 U	0.00352 U	--		
Acetonitrile	--	--	--		
Acetophenone	--	--	--		
Acrolein	0.0004 U	0.0004 U	--		
Acrylonitrile	--	--	--		
Benzene	0.00005 U	0.00005 U	--		
Bis(2-Chloroethyl)ether	--	--	--		
Bis(chloromethyl)ether	--	--	--		
Bromochloromethane	0.0001 U	0.0001 U	--		
Bromodichloromethane	0.000222 J	0.00012 U	--		
Bromoform	0.00296 J	0.000888 J	--		
Bromomethane	0.00037 U	0.00037 U	--		
Carbon Disulfide	--	--	--		
Carbon Tetrachloride	0.00008 U	0.00008 U	--		
Chlorobenzene	0.00012 U	0.00012 U	--		
Chloroethane	0.00018 U	0.00018 U	--		
Chloroform	0.000151 J	0.00009 U	--		
Chloromethane	0.00021 U	0.00021 U	--		
Chloroprene	--	--	--		
cis-1,2-Dichloroethene	0.00013 U	0.00013 U	--		
cis-1,3-Dichloropropene	0.00015 U	0.00015 U	--		
Cyclohexane	--	--	--		
Dibromochloromethane	0.000644	0.000275 J	--		
Dibromomethane	--	--	--		
Dichlorodifluoromethane (Freon 12)	0.00012 U	0.00012 U	--		
Ethylbenzene	0.00005 U	0.00005 U	--		
Formaldehyde	--	--	--		
Hexane	--	--	--		
Isobutyl Alcohol	--	--	--		
Isophorone	--	--	--		
Isopropylbenzene	0.00006 U	0.00006 U	--		
m,p-Xylenes	0.00009 U	0.00009 U	--		
Methyl Acetate	--	--	--		
Methyl tert-Butyl Ether	0.00011 U	0.00011 U	--		
Methylcyclohexane	--	--	--		

Attachment C - Environmental Sampling Results For Location AR05

Chemical	Tap Water - mg/L				
	Sample Results for: AR05TW001	Sample Results for: AR05TW001-D	Sample Results for: AR05TW002		
Methylene Chloride	0.00069 U	0.00069 U	--		
n-Butylbenzene	0.00005 U	0.00005 U	--		
n-Propylbenzene	0.00007 U	0.00007 U	--		
o-Xylene	0.00007 U	0.00007 U	--		
Pentachloroethane	--	--	--		
sec-Butylbenzene	0.00004 U	0.00004 U	--		
Styrene	0.00008 U	0.00008 U	--		
tert-Butylbenzene	0.00019 U	0.00019 U	--		
Tetrachloroethene	0.00007 U	0.00007 U	--		
Toluene	0.00017 U	0.00017 U	--		
trans-1,2-Dichloroethene	0.00015 U	0.00015 U	--		
trans-1,3-Dichloropropene	0.00007 U	0.00007 U	--		
Trans-1,4-Dichloro-2-Butene	--	--	--		
Trichloroethene	0.00013 U	0.00013 U	--		
Trichlorofluoromethane	0.00019 U	0.00019 U	--		
Vinyl Acetate	--	--	--		
Vinyl Chloride	0.00015 U	0.00015 U	--		
Xylenes, Total	--	--	--		

-- = The chemical was not analyzed or no value was available.
Fecal Coliform, Fecal Steptococcus and Total Coliforms (including Fecal Coliform and E.Coli) are reported in CFU/100 mL.
Heterotrophic Plate Count is reported in CFU/1 mL.

Data Qualifiers:

Blank (i.e., no qualifier) = The chemical was detected.
> = The chemical was detected.
J = The chemical was detected but the concentration reported is an estimated value.
U = The chemical was not detected.
< = The chemical was not detected.

Attachment C - Environmental Sampling Results For Location AR08

Chemical	Soil - mg/kg				
	Sample Results for: AR08SS0010006				
Alkane Hydrocarbon					
Octane	--				
Pentadecane	--				
Tridecane	--				
Undecane	--				
Anion					
Chloride	--				
Cyanide	0.0602 U				
Fluoride	--				
Nitrate (measured as NO3-)	--				
Nitrite (measured as NO2-)	--				
Phosphate	--				
Sulfate	--				
Dioxins/Furans					
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.000000339				
Disinfectants					
Chlorine (as Cl2)	--				
Disinfection Byproducts					
Total Trihalomethanes	--				
Field Parameters					
Dissolved Oxygen	--				
Oxidation Reduction Potential	--				
pH	--				
Salinity	--				
Specific Conductance	--				
Temperature	--				
Total Dissolved Solids	--				
Total Solids	80.8				
Turbidity	--				
Inorganics					
Aluminum	36600				
Antimony	0.524				
Arsenic	12.4				
Barium	251				
Beryllium	4.63				
Cadmium (Diet)	0.226				
Cadmium (Water)	--				

Attachment C - Environmental Sampling Results For Location AR08

Chemical	Soil - mg/kg				
	Sample Results for: AR08SS0010006				
Chromium	4.39				
Cobalt	4.73				
Copper	32.2				
Iron	19200				
Lead	37.1				
Manganese (Diet)	592				
Manganese (Water)	--				
Mercury	0.199 U				
Nickel	4.79				
Selenium	0.131 U				
Silver	0.12				
Thallium	1.51				
Tin	2.52				
Vanadium	39.6				
Zinc	65.5				
Microorganisms					
Fecal Coliform	--				
Fecal Streptococcus	--				
Heterotrophic Plate Count	--				
Total Coliforms (including Fecal Coliform and E. Coli)	--				
Pesticides					
4,4-DDD	0.000462 UJ				
4,4-DDE	0.000454 UJ				
4,4-DDT	0.000608 UJ				
Aldrin	0.000368 UJ				
alpha-BHC	0.000454 UJ				
alpha-Chlordane	0.000368 UJ				
beta-BHC	0.000557 UJ				
Chlordane	--				
delta-BHC	0.000505 UJ				
Dieldrin	0.000514 UJ				
Endosulfan I	0.000462 UJ				
Endosulfan II	0.000368 UJ				
Endosulfan Sulfate	0.000522 UJ				
Endrin	0.000591 UJ				
Endrin Aldehyde	0.000531 UJ				

Attachment C - Environmental Sampling Results For Location AR08

Chemical	Soil - mg/kg				
	Sample Results for: AR08SS0010006				
gamma-BHC (Lindane)	0.000437 UJ				
gamma-Chlordane	0.000402 UJ				
Heptachlor	0.000522 UJ				
Heptachlor Epoxide	0.000402 UJ				
Methoxychlor	0.000651 UJ				
Toxaphene	0.00514 UJ				
Polychlorinated bi-phenyls					
Aroclor 1016	0.00599 UJ				
Aroclor 1016/1260	--				
Aroclor 1221	0.00599 UJ				
Aroclor 1232	0.00599 UJ				
Aroclor 1242	0.00599 UJ				
Aroclor 1248	0.00599 UJ				
Aroclor 1254	0.00599 UJ				
Aroclor 1260	0.00599 UJ				
Radionuclides					
Uranium	--				
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	0.0179 U				
1,2,4,5-Tetrachlorobenzene	0.0143 U				
2,3,4,6-Tetrachlorophenol	0.0848 U				
2,4,5-Trichlorophenol	0.147 U				
2,4,6-Trichlorophenol	0.0788 U				
2,4-Dichlorophenol	0.0919 U				
2,4-Dimethylphenol	0.177 U				
2,4-Dinitrophenol	0.0657 U				
2,4-Dinitrotoluene	0.0215 U				
2,6-Dichlorophenol	0.0561 U				
2,6-Dinitrotoluene	0.0179 U				
2-Chloronaphthalene	0.00955 U				
2-Chlorophenol	0.0597 U				
2-Methylnaphthalene	0.0203 U				
2-Methylphenol (o-Cresol)	0.119 U				
2-Nitrophenol	0.0752 U				
3&4-Methylphenol	0.137 U				
3-Methylphenol	--				
3-Nitroaniline	0.0215 U				

Attachment C - Environmental Sampling Results For Location AR08

	Soil - mg/kg				
Chemical	Sample Results for: AR08SS0010006				
4,6-Dinitro-2-Methylphenol	0.08 U				
4-Bromophenylphenylether	0.0143 U				
4-Chloro-3-Methylphenol	0.105 U				
4-Chloroanaline	0.0275 U				
4-Methylphenol (p-Cresol)	--				
4-Nitroaniline	0.0525 U				
4-Nitrophenol	0.141 U				
Acenaphthene	0.0119 U				
Acenaphthylene	0.0107 U				
Aniline	0.0239 U				
Anthracene	0.0143 U				
Atrazine	0.031 U				
Benzo(g,h,i)perylene	0.0334 U				
Bis(2-ethylhexyl)phthalate	0.125 U				
Butylbenzylphthalate	0.0358 U				
Carbazole	0.0215 U				
Di-n-butylphthalate	0.0513 U				
Di-n-octylphthalate	0.0239 U				
Dibenzofuran	0.0119 U				
Diethylphthalate	0.0203 U				
Dimethylphthalate	0.0155 U				
Diphenylamine	0.0621 U				
Fluoranthene	0.0227 U				
Fluorene	0.0143 U				
Hexachlorobenzene	0.0131 U				
Hexachlorobutadiene	0.0119 U				
Hexachlorocyclopentadiene	0.0167 U				
Hexachloroethane	0.0131 U				
Naphthalene	0.00716 U				
Nitrobenzene	0.0179 U				
o-Toluidine	0.0215 U				
Pentachlorobenzene	0.0334 U				
Pentachloronitrobenzene	0.000428 UJ				
Pentachlorophenol	0.184 U				
Phenanthrene	0.0358 U				
Phenol	0.0406 U				

Chemical	Soil - mg/kg				
	Sample Results for: AR08SS0010006				
Pyrene	0.0215 U				
Total Carcinogenic PAHS (BaP TEQs)	0.0515805 U				
Total Petroleum Hydrocarbon					
Tph (c03-c20)	--				
Tph (c08-c40)	--				
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	0.000362 U				
1,1,1-Trichloroethane	0.000483 U				
1,1,2,2-Tetrachloroethane	0.000242 U				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.000846 U				
1,1,2-Trichloroethane	0.000362 U				
1,1-Dichloroethane	0.000846 U				
1,1-Dichloroethene	0.000604 U				
1,2,3-Trichlorobenzene	0.000604 U				
1,2,3-Trichloropropane	0.000362 U				
1,2,4-Trichlorobenzene	0.000362 U				
1,2,4-Trimethylbenzene	0.000483 U				
1,2-Dibromo-3-Chloropropane	0.000483 U				
1,2-Dibromoethane	0.000121 U				
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	0.000725 U				
1,2-Dichlorobenzene	0.000121 U				
1,2-Dichloroethane	0.000242 U				
1,2-Dichloropropane	0.000362 U				
1,3,5-Trimethylbenzene	0.000242 U				
1,3-Butadiene	--				
1,3-Dichlorobenzene	0.000242 U				
1,3-Dichloropropane	0.000242 U				
1,4-Dichlorobenzene	0.000121 U				
2,2-Dichloropropane	0.000604 U				
2-Butanone (methyl ethyl ketone)	0.00217 U				
2-Chlorotoluene	0.000362 U				
2-Hexanone	0.00121 UJ				
4-Chlorotoluene	0.000242 U				
4-Isopropyltoluene	0.000242 U				
4-Methyl-2-Pentanone	0.000362 U				
Acetaldehyde	--				

Attachment C - Environmental Sampling Results For Location AR08

	Soil - mg/kg				
Chemical	Sample Results for: AR08SS0010006				
Acetone	0.00701 U				
Acetonitrile	--				
Acetophenone	--				
Acrolein	--				
Acrylonitrile	--				
Benzene	0.000362 U				
Bis(2-Chloroethyl)ether	--				
Bis(chloromethyl)ether	--				
Bromochloromethane	0.000483 U				
Bromodichloromethane	0.000483 U				
Bromoform	0.000242 U				
Bromomethane	0.00362 U				
Carbon Disulfide	--				
Carbon Tetrachloride	0.000483 U				
Chlorobenzene	0.000242 U				
Chloroethane	0.000483 U				
Chloroform	0.000846 U				
Chloromethane	0.00109 U				
Chloroprene	--				
cis-1,2-Dichloroethene	0.000846 U				
cis-1,3-Dichloropropene	0.000121 U				
Cyclohexane	--				
Dibromochloromethane	0.000121 U				
Dibromomethane	--				
Dichlorodifluoromethane (Freon 12)	0.000362 U				
Ethylbenzene	0.000362 U				
Formaldehyde	--				
Hexane	--				
Isobutyl Alcohol	--				
Isophorone	--				
Isopropylbenzene	0.000242 U				
m,p-Xylenes	0.000725 U				
Methyl Acetate	--				
Methyl tert-Butyl Ether	0.000604 U				
Methylcyclohexane	--				
Methylene Chloride	0.00121 U				

Attachment C - Environmental Sampling Results For Location AR08

Chemical	Soil - mg/kg				
	Sample Results for: AR08SS0010006				
n-Butylbenzene	0.000242 U				
n-Propylbenzene	0.000362 U				
o-Xylene	0.000242 U				
Pentachloroethane	--				
sec-Butylbenzene	0.000242 U				
Styrene	0.000242 U				
tert-Butylbenzene	0.000483 U				
Tetrachloroethene	0.000725 U				
Toluene	0.00173 J				
trans-1,2-Dichloroethene	0.000725 U				
trans-1,3-Dichloropropene	0.000362 U				
Trans-1,4-Dichloro-2-Butene	--				
Trichloroethene	0.000604 U				
Trichlorofluoromethane	0.000967 U				
Vinyl Acetate	--				
Vinyl Chloride	0.000483 U				
Xylenes, Total	--				

-- = The chemical was not analyzed or no value was available.
Fecal Coliform, Fecal Steptococcus and Total Coliforms (including Fecal Coliform and E.Coli) are reported in CFU/100 mL.
Heterotrophic Plate Count is reported in CFU/1 mL.
Data Qualifiers:

Blank (i.e., no qualifier) = The chemical was detected.
> = The chemical was detected.
J = The chemical was detected but the concentration reported is an estimated value.
U = The chemical was not detected.
< = The chemical was not detected.

Attachment C - Environmental Sampling Results For Location AR08

Chemical	Soil Gas - mg/m3				
	Sample Results for: AR08SG0010018				
Alkane Hydrocarbon					
Octane	0.001253153 U				
Pentadecane	0.001071361 U				
Tridecane	0.001005251 U				
Undecane	0.001007079 U				
Anion					
Chloride	--				
Cyanide	--				
Fluoride	--				
Nitrate (measured as NO3-)	--				
Nitrite (measured as NO2-)	--				
Phosphate	--				
Sulfate	--				
Dioxins/Furans					
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	--				
Disinfectants					
Chlorine (as Cl2)	--				
Disinfection Byproducts					
Total Trihalomethanes	--				
Field Parameters					
Dissolved Oxygen	--				
Oxidation Reduction Potential	--				
pH	--				
Salinity	--				
Specific Conductance	--				
Temperature	--				
Total Dissolved Solids	--				
Total Solids	--				
Turbidity	--				
Inorganics					
Aluminum	--				
Antimony	--				
Arsenic	--				
Barium	--				
Beryllium	--				
Cadmium (Diet)	--				
Cadmium (Water)	--				

Attachment C - Environmental Sampling Results For Location AR08

	Soil Gas - mg/m3				
Chemical	Sample Results for: AR08SG0010018				
Chromium	--				
Cobalt	--				
Copper	--				
Iron	--				
Lead	--				
Manganese (Diet)	--				
Manganese (Water)	--				
Mercury	--				
Nickel	--				
Selenium	--				
Silver	--				
Thallium	--				
Tin	--				
Vanadium	--				
Zinc	--				
Microorganisms					
Fecal Coliform	--				
Fecal Streptococcus	--				
Heterotrophic Plate Count	--				
Total Coliforms (including Fecal Coliform and E. Coli)	--				
Pesticides					
4,4-DDD	--				
4,4-DDE	--				
4,4-DDT	--				
Aldrin	--				
alpha-BHC	--				
alpha-Chlordane	--				
beta-BHC	--				
Chlordane	--				
delta-BHC	--				
Dieldrin	--				
Endosulfan I	--				
Endosulfan II	--				
Endosulfan Sulfate	--				
Endrin	--				
Endrin Aldehyde	--				

Attachment C - Environmental Sampling Results For Location AR08

	Soil Gas - mg/m3				
Chemical	Sample Results for: AR08SG0010018				
gamma-BHC (Lindane)	--				
gamma-Chlordane	--				
Heptachlor	--				
Heptachlor Epoxide	--				
Methoxychlor	--				
Toxaphene	--				
Polychlorinated bi-phenyls					
Aroclor 1016	--				
Aroclor 1016/1260	--				
Aroclor 1221	--				
Aroclor 1232	--				
Aroclor 1242	--				
Aroclor 1248	--				
Aroclor 1254	--				
Aroclor 1260	--				
Radionuclides					
Uranium	--				
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	--				
1,2,4,5-Tetrachlorobenzene	--				
2,3,4,6-Tetrachlorophenol	--				
2,4,5-Trichlorophenol	--				
2,4,6-Trichlorophenol	--				
2,4-Dichlorophenol	--				
2,4-Dimethylphenol	--				
2,4-Dinitrophenol	--				
2,4-Dinitrotoluene	--				
2,6-Dichlorophenol	--				
2,6-Dinitrotoluene	--				
2-Chloronaphthalene	--				
2-Chlorophenol	--				
2-Methylnaphthalene	0.0009436 U				
2-Methylphenol (o-Cresol)	--				
2-Nitrophenol	--				
3&4-Methylphenol	--				
3-Methylphenol	--				
3-Nitroaniline	--				

Attachment C - Environmental Sampling Results For Location AR08

	Soil Gas - mg/m3				
Chemical	Sample Results for: AR08SG0010018				
4,6-Dinitro-2-Methylphenol	--				
4-Bromophenylphenylether	--				
4-Chloro-3-Methylphenol	--				
4-Chloroanaline	--				
4-Methylphenol (p-Cresol)	--				
4-Nitroaniline	--				
4-Nitrophenol	--				
Acenaphthene	0.001347673 U				
Acenaphthylene	0.003680355 U				
Aniline	--				
Anthracene	0.002090164 U				
Atrazine	--				
Benzo(g,h,i)perylene	--				
Bis(2-ethylhexyl)phthalate	--				
Butylbenzylphthalate	--				
Carbazole	--				
Di-n-butylphthalate	--				
Di-n-octylphthalate	--				
Dibenzofuran	--				
Diethylphthalate	--				
Dimethylphthalate	--				
Diphenylamine	--				
Fluoranthene	0.002090164 U				
Fluorene	0.002086228 U				
Hexachlorobenzene	--				
Hexachlorobutadiene	--				
Hexachlorocyclopentadiene	--				
Hexachloroethane	--				
Naphthalene	0.002138585 U				
Nitrobenzene	--				
o-Toluidine	--				
Pentachlorobenzene	--				
Pentachloronitrobenzene	--				
Pentachlorophenol	--				
Phenanthrene	0.002090164 U				
Phenol	--				

Attachment C - Environmental Sampling Results For Location AR08

Chemical	Soil Gas - mg/m3				
	Sample Results for: AR08SG0010018				
Pyrene	0.002090164 U				
Total Carcinogenic PAHS (BaP TEQs)	--				
Total Petroleum Hydrocarbon					
Tph (c03-c20)	0.01797166				
Tph (c08-c40)	--				
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	0.000962858 U				
1,1,1-Trichloroethane	0.001786984 U				
1,1,2,2-Tetrachloroethane	0.002791239 U				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--				
1,1,2-Trichloroethane	0.00687281 U				
1,1-Dichloroethane	0.003956043 U				
1,1-Dichloroethene	0.005787206 U				
1,2,3-Trichlorobenzene	--				
1,2,3-Trichloropropane	--				
1,2,4-Trichlorobenzene	--				
1,2,4-Trimethylbenzene	0.001198904 U				
1,2-Dibromo-3-Chloropropane	--				
1,2-Dibromoethane	--				
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	--				
1,2-Dichlorobenzene	0.010181865 U				
1,2-Dichloroethane	0.000542267 U				
1,2-Dichloropropane	--				
1,3,5-Trimethylbenzene	0.000860297 U				
1,3-Butadiene	--				
1,3-Dichlorobenzene	0.001680145 U				
1,3-Dichloropropane	--				
1,4-Dichlorobenzene	0.001866344 U				
2,2-Dichloropropane	--				
2-Butanone (methyl ethyl ketone)	--				
2-Chlorotoluene	--				
2-Hexanone	--				
4-Chlorotoluene	--				
4-Isopropyltoluene	--				
4-Methyl-2-Pentanone	--				

Attachment C - Environmental Sampling Results For Location AR08

	Soil Gas - mg/m3				
Chemical	Sample Results for: AR08SG0010018				
Acetaldehyde	--				
Acetone	--				
Acetonitrile	--				
Acetophenone	--				
Acrolein	--				
Acrylonitrile	--				
Benzene	0.000642986 U				
Bis(2-Chloroethyl)ether	--				
Bis(chloromethyl)ether	--				
Bromochloromethane	--				
Bromodichloromethane	--				
Bromoform	--				
Bromomethane	--				
Carbon Disulfide	--				
Carbon Tetrachloride	0.003514017 U				
Chlorobenzene	0.00221646 U				
Chloroethane	--				
Chloroform	0.003393123 U				
Chloromethane	--				
Chloroprene	--				
cis-1,2-Dichloroethene	0.001600686 U				
cis-1,3-Dichloropropene	--				
Cyclohexane	--				
Dibromochloromethane	--				
Dibromomethane	--				
Dichlorodifluoromethane (Freon 12)	--				
Ethylbenzene	0.001481989 U				
Formaldehyde	--				
Hexane	--				
Isobutyl Alcohol	--				
Isophorone	--				
Isopropylbenzene	--				
m,p-Xylenes	0.001643796 U				
Methyl Acetate	--				
Methyl tert-Butyl Ether	0.001078881 U				
Methylcyclohexane	--				

Attachment C - Environmental Sampling Results For Location AR08

	Soil Gas - mg/m3				
Chemical	Sample Results for: AR08SG0010018				
Methylene Chloride	--				
n-Butylbenzene	--				
n-Propylbenzene	--				
o-Xylene	0.001322952 U				
Pentachloroethane	--				
sec-Butylbenzene	--				
Styrene	--				
tert-Butylbenzene	--				
Tetrachloroethene	0.00226079 U				
Toluene	0.000659774 U				
trans-1,2-Dichloroethene	0.001655093 U				
trans-1,3-Dichloropropene	--				
Trans-1,4-Dichloro-2-Butene	--				
Trichloroethene	0.000634021 U				
Trichlorofluoromethane	--				
Vinyl Acetate	--				
Vinyl Chloride	0.008176523 U				
Xylenes, Total	--				

-- = The chemical was not analyzed or no value was available.
Fecal Coliform, Fecal Steptococcus and Total Coliforms (including Fecal Coliform and E.Coli) are reported in CFU/100 mL.
Heterotrophic Plate Count is reported in CFU/1 mL.

Data Qualifiers:

Blank (i.e., no qualifier) = The chemical was detected.
> = The chemical was detected.
J = The chemical was detected but the concentration reported is an estimated value.
U = The chemical was not detected.
< = The chemical was not detected.

Attachment C - Environmental Sampling Results For Location AR08

Chemical	Tap Water - mg/L				
	Sample Results for: AR08TW001	Sample Results for: AR08TW002			
Alkane Hydrocarbon					
Octane	--	--			
Pentadecane	--	--			
Tridecane	--	--			
Undecane	--	--			
Anion					
Chloride	43.7	--			
Cyanide	0.004 U	--			
Fluoride	0.591	--			
Nitrate (measured as NO3-)	10.5	--			
Nitrite (measured as NO2-)	0.2 U	--			
Phosphate	0.4 U	--			
Sulfate	15.7	--			
Dioxins/Furans					
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.0000000000282	--			
Disinfectants					
Chlorine (as Cl2)	0.01	--			
Disinfection Byproducts					
Total Trihalomethanes	0.00302	--			
Field Parameters					
Dissolved Oxygen	9.51	--			
Oxidation Reduction Potential	368	234			
pH	7.27	7.46			
Salinity	--	--			
Specific Conductance	0.75	0.88			
Temperature	24.4	27.33			
Total Dissolved Solids	--	--			
Total Solids	--	--			
Turbidity	3	30			
Inorganics					
Aluminum	0.00295	--			
Antimony	0.000202	--			
Arsenic	0.00672	--			
Barium	0.017	--			
Beryllium	0.00003 U	--			
Cadmium (Diet)	--	--			
Cadmium (Water)	0.000126	--			

Attachment C - Environmental Sampling Results For Location AR08

Chemical	Tap Water - mg/L				
	Sample Results for: AR08TW001	Sample Results for: AR08TW002			
Chromium	0.000587	--			
Cobalt	0.000244	--			
Copper	0.184	--			
Iron	0.377	--			
Lead	0.011	--			
Manganese (Diet)	--	--			
Manganese (Water)	0.0138	--			
Mercury	0.000015 U	--			
Nickel	0.0825	--			
Selenium	0.0002 U	--			
Silver	0.00012 U	--			
Thallium	0.00004 U	--			
Tin	0.000381	--			
Vanadium	0.00147 U	--			
Zinc	4.87	--			
Microorganisms					
Fecal Coliform	1 <	1 <			
Fecal Streptococcus	0	0			
Heterotrophic Plate Count	970	400			
Total Coliforms (including Fecal Coliform and E. Coli)	1 <	1 <			
Pesticides					
4,4-DDD	0.000003 U	--			
4,4-DDE	0.000002 U	--			
4,4-DDT	0.000006 U	--			
Aldrin	0.000002 U	--			
alpha-BHC	0.000003 U	--			
alpha-Chlordane	0.000003 U	--			
beta-BHC	0.000002 U	--			
Chlordane	--	--			
delta-BHC	0.000001 U	--			
Dieldrin	0.000003 U	--			
Endosulfan I	0.000003 U	--			
Endosulfan II	0.000002 U	--			
Endosulfan Sulfate	0.000007 U	--			
Endrin	0.000002 U	--			
Endrin Aldehyde	0.000002 U	--			

Attachment C - Environmental Sampling Results For Location AR08

Chemical	Tap Water - mg/L				
	Sample Results for: AR08TW001	Sample Results for: AR08TW002			
gamma-BHC (Lindane)	0.000001 U	--			
gamma-Chlordane	0.000002 U	--			
Heptachlor	0.000004 U	--			
Heptachlor Epoxide	0.000004 U	--			
Methoxychlor	0.000003 U	--			
Toxaphene	0.00001 U	--			
Polychlorinated bi-phenyls					
Aroclor 1016	0.00002 U	--			
Aroclor 1016/1260	--	--			
Aroclor 1221	0.00002 U	--			
Aroclor 1232	0.00002 U	--			
Aroclor 1242	0.00002 U	--			
Aroclor 1248	0.00002 U	--			
Aroclor 1254	0.00002 U	--			
Aroclor 1260	0.00002 U	--			
Radionuclides					
Uranium	0.000505	--			
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	0.0002 U	--			
1,2,4,5-Tetrachlorobenzene	0.0002 U	--			
2,3,4,6-Tetrachlorophenol	0.0003 U	--			
2,4,5-Trichlorophenol	0.0005 U	--			
2,4,6-Trichlorophenol	0.0005 U	--			
2,4-Dichlorophenol	0.0007 U	--			
2,4-Dimethylphenol	0.001 U	--			
2,4-Dinitrophenol	0.0003 U	--			
2,4-Dinitrotoluene	0.001 U	--			
2,6-Dichlorophenol	0.0008 U	--			
2,6-Dinitrotoluene	0.0001 U	--			
2-Chloronaphthalene	0.0002 U	--			
2-Chlorophenol	0.0009 U	--			
2-Methylnaphthalene	0.0002 U	--			
2-Methylphenol (o-Cresol)	0.0007 U	--			
2-Nitrophenol	0.0009 U	--			
3&4-Methylphenol	0.0012 U	--			
3-Methylphenol	--	--			
3-Nitroaniline	0.001 U	--			

Attachment C - Environmental Sampling Results For Location AR08

Chemical	Tap Water - mg/L				
	Sample Results for: AR08TW001	Sample Results for: AR08TW002			
4,6-Dinitro-2-Methylphenol	0.0002 U	--			
4-Bromophenylphenylether	0.0001 U	--			
4-Chloro-3-Methylphenol	0.0006 U	--			
4-Chloroanaline	0.001 U	--			
4-Methylphenol (p-Cresol)	--	--			
4-Nitroaniline	0.001 U	--			
4-Nitrophenol	0.0003 U	--			
Acenaphthene	0.0001 U	--			
Acenaphthylene	0.0001 U	--			
Aniline	0.001 U	--			
Anthracene	0.0001 U	--			
Atrazine	0.0001 U	--			
Benzo(g,h,i)perylene	0.0001 U	--			
Bis(2-ethylhexyl)phthalate	0.0014 U	--			
Butylbenzylphthalate	0.0001 U	--			
Carbazole	0.0001 U	--			
Di-n-butylphthalate	0.0013 U	--			
Di-n-octylphthalate	0.0002 U	--			
Dibenzofuran	0.0001 U	--			
Diethylphthalate	0.0002 U	--			
Dimethylphthalate	0.0001 U	--			
Diphenylamine	0.0001 U	--			
Fluoranthene	0.0001 U	--			
Fluorene	0.0001 U	--			
Hexachlorobenzene	0.0001 U	--			
Hexachlorobutadiene	0.0002 U	--			
Hexachlorocyclopentadiene	0.001 U	--			
Hexachloroethane	0.0001 U	--			
Naphthalene	0.0002 U	--			
Nitrobenzene	0.0002 U	--			
o-Toluidine	0.0007 U	--			
Pentachlorobenzene	0.0002 U	--			
Pentachloronitrobenzene	0.000003 U	--			
Pentachlorophenol	0.0003 U	--			
Phenanthrene	0.0001 U	--			
Phenol	0.001 U	--			

Attachment C - Environmental Sampling Results For Location AR08

Chemical	Tap Water - mg/L				
	Sample Results for: AR08TW001	Sample Results for: AR08TW002			
Pyrene	0.0001 U	--			
Total Carcinogenic PAHS (BaP TEQs)	0.00012 U	--			
Total Petroleum Hydrocarbon					
Tph (c03-c20)	--	--			
Tph (c08-c40)	--	--			
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	0.00011 U	--			
1,1,1-Trichloroethane	0.00017 U	--			
1,1,2,2-Tetrachloroethane	0.00005 U	--			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0002 U	--			
1,1,2-Trichloroethane	0.00011 U	--			
1,1-Dichloroethane	0.0001 U	--			
1,1-Dichloroethene	0.00013 U	--			
1,2,3-Trichlorobenzene	0.00012 U	--			
1,2,3-Trichloropropane	0.00013 U	--			
1,2,4-Trichlorobenzene	0.00013 U	--			
1,2,4-Trimethylbenzene	0.00006 U	--			
1,2-Dibromo-3-Chloropropane	0.00025 U	--			
1,2-Dibromoethane	0.00009 U	--			
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	0.0004 U	--			
1,2-Dichlorobenzene	0.00007 U	--			
1,2-Dichloroethane	0.00008 U	--			
1,2-Dichloropropane	0.00015 U	--			
1,3,5-Trimethylbenzene	0.00008 U	--			
1,3-Butadiene	--	--			
1,3-Dichlorobenzene	0.00013 U	--			
1,3-Dichloropropane	0.00011 U	--			
1,4-Dichlorobenzene	0.00007 U	--			
2,2-Dichloropropane	0.0001 U	--			
2-Butanone (methyl ethyl ketone)	0.0016 U	--			
2-Chlorotoluene	0.00012 U	--			
2-Hexanone	0.0002 U	--			
4-Chlorotoluene	0.00013 U	--			
4-Isopropyltoluene	0.0001 U	--			
4-Methyl-2-Pentanone	0.0001 U	--			

Attachment C - Environmental Sampling Results For Location AR08

Chemical	Tap Water - mg/L				
	Sample Results for: AR08TW001	Sample Results for: AR08TW002			
Acetaldehyde	--	--			
Acetone	0.001 U	--			
Acetonitrile	--	--			
Acetophenone	--	--			
Acrolein	0.0004 U	--			
Acrylonitrile	--	--			
Benzene	0.00005 U	--			
Bis(2-Chloroethyl)ether	--	--			
Bis(chloromethyl)ether	--	--			
Bromochloromethane	0.0001 U	--			
Bromodichloromethane	0.000172 J	--			
Bromoform	0.00221	--			
Bromomethane	0.00037 U	--			
Carbon Disulfide	--	--			
Carbon Tetrachloride	0.00008 U	--			
Chlorobenzene	0.00012 U	--			
Chloroethane	0.00018 U	--			
Chloroform	0.000112 J	--			
Chloromethane	0.000264 J	--			
Chloroprene	--	--			
cis-1,2-Dichloroethene	0.00013 U	--			
cis-1,3-Dichloropropene	0.00015 U	--			
Cyclohexane	--	--			
Dibromochloromethane	0.000526	--			
Dibromomethane	--	--			
Dichlorodifluoromethane (Freon 12)	0.00012 U	--			
Ethylbenzene	0.00005 U	--			
Formaldehyde	--	--			
Hexane	--	--			
Isobutyl Alcohol	--	--			
Isophorone	--	--			
Isopropylbenzene	0.00006 U	--			
m,p-Xylenes	0.00009 U	--			
Methyl Acetate	--	--			
Methyl tert-Butyl Ether	0.00011 U	--			
Methylcyclohexane	--	--			

Attachment C - Environmental Sampling Results For Location AR08

Chemical	Tap Water - mg/L				
	Sample Results for: AR08TW001	Sample Results for: AR08TW002			
Methylene Chloride	0.00069 U	--			
n-Butylbenzene	0.00005 U	--			
n-Propylbenzene	0.00007 U	--			
o-Xylene	0.00007 U	--			
Pentachloroethane	--	--			
sec-Butylbenzene	0.00004 U	--			
Styrene	0.00008 U	--			
tert-Butylbenzene	0.00019 U	--			
Tetrachloroethene	0.00007 U	--			
Toluene	0.00017 U	--			
trans-1,2-Dichloroethene	0.00015 U	--			
trans-1,3-Dichloropropene	0.00007 U	--			
Trans-1,4-Dichloro-2-Butene	--	--			
Trichloroethene	0.00013 U	--			
Trichlorofluoromethane	0.00019 U	--			
Vinyl Acetate	--	--			
Vinyl Chloride	0.00015 U	--			
Xylenes, Total	--	--			

-- = The chemical was not analyzed or no value was available.
Fecal Coliform, Fecal Steptococcus and Total Coliforms (including Fecal Coliform and E.Coli) are reported in CFU/100 mL.
Heterotrophic Plate Count is reported in CFU/1 mL.

Data Qualifiers:

Blank (i.e., no qualifier) = The chemical was detected.
> = The chemical was detected.
J = The chemical was detected but the concentration reported is an estimated value.
U = The chemical was not detected.
< = The chemical was not detected.

Attachment C - Environmental Sampling Results For Location AR09

Chemical	Soil - mg/kg				
	Sample Results for: AR09SS0010006				
Alkane Hydrocarbon					
Octane	--				
Pentadecane	--				
Tridecane	--				
Undecane	--				
Anion					
Chloride	--				
Cyanide	0.00302 U				
Fluoride	--				
Nitrate (measured as NO3-)	--				
Nitrite (measured as NO2-)	--				
Phosphate	--				
Sulfate	--				
Dioxins/Furans					
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.00000050716				
Disinfectants					
Chlorine (as Cl2)	--				
Disinfection Byproducts					
Total Trihalomethanes	--				
Field Parameters					
Dissolved Oxygen	--				
Oxidation Reduction Potential	--				
pH	--				
Salinity	--				
Specific Conductance	--				
Temperature	--				
Total Dissolved Solids	--				
Total Solids	80.40000000000001				
Turbidity	--				
Inorganics					
Aluminum	36100				
Antimony	0.499				
Arsenic	11.9				
Barium	257				
Beryllium	4.79				
Cadmium (Diet)	0.205				
Cadmium (Water)	--				

Attachment C - Environmental Sampling Results For Location AR09

Chemical	Soil - mg/kg				
	Sample Results for: AR09SS0010006				
Chromium	5.5				
Cobalt	4.75				
Copper	43.5				
Iron	18600				
Lead	41.7				
Manganese (Diet)	590				
Manganese (Water)	--				
Mercury	0.212 U				
Nickel	5.84				
Selenium	0.129 U				
Silver	0.121 U				
Thallium	1.52 U				
Tin	2.62				
Vanadium	45				
Zinc	61				
Microorganisms					
Fecal Coliform	--				
Fecal Streptococcus	--				
Heterotrophic Plate Count	--				
Total Coliforms (including Fecal Coliform and E. Coli)	--				
Pesticides					
4,4-DDD	0.000451 U				
4,4-DDE	0.000442 U				
4,4-DDT	0.000593 U				
Aldrin	0.000359 U				
alpha-BHC	0.000442 U				
alpha-Chlordane	0.000359 U				
beta-BHC	0.000543 U				
Chlordane	--				
delta-BHC	0.000492 U				
Dieldrin	0.000501 U				
Endosulfan I	0.000451 U				
Endosulfan II	0.000359 U				
Endosulfan Sulfate	0.000509 U				
Endrin	0.000576 U				
Endrin Aldehyde	0.000518 U				

Attachment C - Environmental Sampling Results For Location AR09

	Soil - mg/kg				
Chemical	Sample Results for: AR09SS0010006				
gamma-BHC (Lindane)	0.000426 U				
gamma-Chlordane	0.000392 U				
Heptachlor	0.000509 U				
Heptachlor Epoxide	0.000392 U				
Methoxychlor	0.000634 U				
Toxaphene	0.00501 UJ				
Polychlorinated bi-phenyls					
Aroclor 1016	0.00627 U				
Aroclor 1016/1260	--				
Aroclor 1221	0.00627 U				
Aroclor 1232	0.00627 U				
Aroclor 1242	0.00627 U				
Aroclor 1248	0.00627 U				
Aroclor 1254	0.00627 U				
Aroclor 1260	0.00627 U				
Radionuclides					
Uranium	--				
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	0.018 U				
1,2,4,5-Tetrachlorobenzene	0.0144 U				
2,3,4,6-Tetrachlorophenol	0.0854 U				
2,4,5-Trichlorophenol	0.148 U				
2,4,6-Trichlorophenol	0.0794 U				
2,4-Dichlorophenol	0.0926 U				
2,4-Dimethylphenol	0.178 U				
2,4-Dinitrophenol	0.0662 U				
2,4-Dinitrotoluene	0.0217 U				
2,6-Dichlorophenol	0.0565 U				
2,6-Dinitrotoluene	0.018 U				
2-Chloronaphthalene	0.00962 U				
2-Chlorophenol	0.0602 U				
2-Methylnaphthalene	0.0205 U				
2-Methylphenol (o-Cresol)	0.12 U				
2-Nitrophenol	0.0758 U				
3&4-Methylphenol	0.138 U				
3-Methylphenol	--				
3-Nitroaniline	0.0217 U				

Attachment C - Environmental Sampling Results For Location AR09

Chemical	Soil - mg/kg				
	Sample Results for: AR09SS0010006				
4,6-Dinitro-2-Methylphenol	0.0806 U				
4-Bromophenylphenylether	0.0144 U				
4-Chloro-3-Methylphenol	0.106 U				
4-Chloroanaline	0.0277 U				
4-Methylphenol (p-Cresol)	--				
4-Nitroaniline	0.0529 U				
4-Nitrophenol	0.142 U				
Acenaphthene	0.012 U				
Acenaphthylene	0.0108 U				
Aniline	0.0241 U				
Anthracene	0.0144 U				
Atrazine	0.0313 U				
Benzo(g,h,i)perylene	0.0337 U				
Bis(2-ethylhexyl)phthalate	0.126 U				
Butylbenzylphthalate	0.0361 U				
Carbazole	0.0217 U				
Di-n-butylphthalate	0.0517 U				
Di-n-octylphthalate	0.0241 U				
Dibenzofuran	0.012 U				
Diethylphthalate	0.0205 U				
Dimethylphthalate	0.0156 U				
Diphenylamine	0.0626 U				
Fluoranthene	0.0229 U				
Fluorene	0.0144 U				
Hexachlorobenzene	0.0132 U				
Hexachlorobutadiene	0.012 U				
Hexachlorocyclopentadiene	0.0168 U				
Hexachloroethane	0.0132 U				
Naphthalene	0.00722 U				
Nitrobenzene	0.018 U				
o-Toluidine	0.0217 U				
Pentachlorobenzene	0.0337 U				
Pentachloronitrobenzene	0.000417 U				
Pentachlorophenol	0.185 U				
Phenanthrene	0.0361 U				
Phenol	0.0409 U				

Attachment C - Environmental Sampling Results For Location AR09

Chemical	Soil - mg/kg				
	Sample Results for: AR09SS0010006				
Pyrene	0.0217 U				
Total Carcinogenic PAHS (BaP TEQs)	0.0520526 U				
Total Petroleum Hydrocarbon					
Tph (c03-c20)	--				
Tph (c08-c40)	--				
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	0.00044 U				
1,1,1-Trichloroethane	0.000587 U				
1,1,2,2-Tetrachloroethane	0.000293 U				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.00103 U				
1,1,2-Trichloroethane	0.00044 U				
1,1-Dichloroethane	0.00103 U				
1,1-Dichloroethene	0.000733 U				
1,2,3-Trichlorobenzene	0.000733 U				
1,2,3-Trichloropropane	0.00044 U				
1,2,4-Trichlorobenzene	0.00044 U				
1,2,4-Trimethylbenzene	0.000587 U				
1,2-Dibromo-3-Chloropropane	0.000587 U				
1,2-Dibromoethane	0.000147 U				
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	--				
1,2-Dichlorobenzene	0.000147 U				
1,2-Dichloroethane	0.000293 U				
1,2-Dichloropropane	0.00044 U				
1,3,5-Trimethylbenzene	0.000293 U				
1,3-Butadiene	--				
1,3-Dichlorobenzene	0.000293 U				
1,3-Dichloropropane	0.000293 U				
1,4-Dichlorobenzene	0.000147 U				
2,2-Dichloropropane	0.000733 U				
2-Butanone (methyl ethyl ketone)	0.00264 U				
2-Chlorotoluene	0.00044 U				
2-Hexanone	0.00147 U				
4-Chlorotoluene	0.000293 U				
4-Isopropyltoluene	0.000293 U				
4-Methyl-2-Pentanone	0.00044 U				
Acetaldehyde	--				

Attachment C - Environmental Sampling Results For Location AR09

	Soil - mg/kg				
Chemical	Sample Results for: AR09SS0010006				
Acetone	0.00851 U				
Acetonitrile	--				
Acetophenone	--				
Acrolein	--				
Acrylonitrile	--				
Benzene	0.00044 U				
Bis(2-Chloroethyl)ether	--				
Bis(chloromethyl)ether	--				
Bromochloromethane	0.000587 U				
Bromodichloromethane	0.000587 U				
Bromoform	0.000293 U				
Bromomethane	0.0044 U				
Carbon Disulfide	--				
Carbon Tetrachloride	0.000587 U				
Chlorobenzene	0.000293 U				
Chloroethane	0.000587 U				
Chloroform	0.00103 U				
Chloromethane	0.00132 U				
Chloroprene	--				
cis-1,2-Dichloroethene	0.00103 U				
cis-1,3-Dichloropropene	0.000147 U				
Cyclohexane	--				
Dibromochloromethane	0.000147 U				
Dibromomethane	--				
Dichlorodifluoromethane (Freon 12)	--				
Ethylbenzene	0.00044 U				
Formaldehyde	--				
Hexane	--				
Isobutyl Alcohol	--				
Isophorone	--				
Isopropylbenzene	0.000293 U				
m,p-Xylenes	0.00088 U				
Methyl Acetate	--				
Methyl tert-Butyl Ether	0.000733 U				
Methylcyclohexane	--				
Methylene Chloride	0.00147 U				

Attachment C - Environmental Sampling Results For Location AR09

Chemical	Soil - mg/kg				
	Sample Results for: AR09SS0010006				
n-Butylbenzene	0.000293 U				
n-Propylbenzene	0.00044 U				
o-Xylene	0.000293 U				
Pentachloroethane	--				
sec-Butylbenzene	0.000293 U				
Styrene	0.000293 U				
tert-Butylbenzene	0.000587 U				
Tetrachloroethene	0.00088 U				
Toluene	0.000733 U				
trans-1,2-Dichloroethene	0.00088 U				
trans-1,3-Dichloropropene	0.00044 U				
Trans-1,4-Dichloro-2-Butene	--				
Trichloroethene	0.000733 U				
Trichlorofluoromethane	0.00117 UJ				
Vinyl Acetate	--				
Vinyl Chloride	0.000587 U				
Xylenes, Total	--				

-- = The chemical was not analyzed or no value was available.
Fecal Coliform, Fecal Steptococcus and Total Coliforms (including Fecal Coliform and E.Coli) are reported in CFU/100 mL.
Heterotrophic Plate Count is reported in CFU/1 mL.
Data Qualifiers:

Blank (i.e., no qualifier) = The chemical was detected.
> = The chemical was detected.
J = The chemical was detected but the concentration reported is an estimated value.
U = The chemical was not detected.
< = The chemical was not detected.

Attachment C - Environmental Sampling Results For Location AR09

Chemical	Soil Gas - mg/m3				
	Sample Results for: AR09SG0010018				
Alkane Hydrocarbon					
Octane	0.001253153 U				
Pentadecane	0.001071361 U				
Tridecane	0.001005251 U				
Undecane	0.001007079 U				
Anion					
Chloride	--				
Cyanide	--				
Fluoride	--				
Nitrate (measured as NO3-)	--				
Nitrite (measured as NO2-)	--				
Phosphate	--				
Sulfate	--				
Dioxins/Furans					
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	--				
Disinfectants					
Chlorine (as Cl2)	--				
Disinfection Byproducts					
Total Trihalomethanes	--				
Field Parameters					
Dissolved Oxygen	--				
Oxidation Reduction Potential	--				
pH	--				
Salinity	--				
Specific Conductance	--				
Temperature	--				
Total Dissolved Solids	--				
Total Solids	--				
Turbidity	--				
Inorganics					
Aluminum	--				
Antimony	--				
Arsenic	--				
Barium	--				
Beryllium	--				
Cadmium (Diet)	--				
Cadmium (Water)	--				

Attachment C - Environmental Sampling Results For Location AR09

	Soil Gas - mg/m3				
Chemical	Sample Results for: AR09SG0010018				
Chromium	--				
Cobalt	--				
Copper	--				
Iron	--				
Lead	--				
Manganese (Diet)	--				
Manganese (Water)	--				
Mercury	--				
Nickel	--				
Selenium	--				
Silver	--				
Thallium	--				
Tin	--				
Vanadium	--				
Zinc	--				
Microorganisms					
Fecal Coliform	--				
Fecal Streptococcus	--				
Heterotrophic Plate Count	--				
Total Coliforms (including Fecal Coliform and E. Coli)	--				
Pesticides					
4,4-DDD	--				
4,4-DDE	--				
4,4-DDT	--				
Aldrin	--				
alpha-BHC	--				
alpha-Chlordane	--				
beta-BHC	--				
Chlordane	--				
delta-BHC	--				
Dieldrin	--				
Endosulfan I	--				
Endosulfan II	--				
Endosulfan Sulfate	--				
Endrin	--				
Endrin Aldehyde	--				

Attachment C - Environmental Sampling Results For Location AR09

	Soil Gas - mg/m3				
Chemical	Sample Results for: AR09SG0010018				
gamma-BHC (Lindane)	--				
gamma-Chlordane	--				
Heptachlor	--				
Heptachlor Epoxide	--				
Methoxychlor	--				
Toxaphene	--				
Polychlorinated bi-phenyls					
Aroclor 1016	--				
Aroclor 1016/1260	--				
Aroclor 1221	--				
Aroclor 1232	--				
Aroclor 1242	--				
Aroclor 1248	--				
Aroclor 1254	--				
Aroclor 1260	--				
Radionuclides					
Uranium	--				
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	--				
1,2,4,5-Tetrachlorobenzene	--				
2,3,4,6-Tetrachlorophenol	--				
2,4,5-Trichlorophenol	--				
2,4,6-Trichlorophenol	--				
2,4-Dichlorophenol	--				
2,4-Dimethylphenol	--				
2,4-Dinitrophenol	--				
2,4-Dinitrotoluene	--				
2,6-Dichlorophenol	--				
2,6-Dinitrotoluene	--				
2-Chloronaphthalene	--				
2-Chlorophenol	--				
2-Methylnaphthalene	0.0009436 U				
2-Methylphenol (o-Cresol)	--				
2-Nitrophenol	--				
3&4-Methylphenol	--				
3-Methylphenol	--				
3-Nitroaniline	--				

Attachment C - Environmental Sampling Results For Location AR09

Chemical	Soil Gas - mg/m3				
	Sample Results for: AR09SG0010018				
4,6-Dinitro-2-Methylphenol	--				
4-Bromophenylphenylether	--				
4-Chloro-3-Methylphenol	--				
4-Chloroanaline	--				
4-Methylphenol (p-Cresol)	--				
4-Nitroaniline	--				
4-Nitrophenol	--				
Acenaphthene	0.001347673 U				
Acenaphthylene	0.003680355 U				
Aniline	--				
Anthracene	0.002090164 U				
Atrazine	--				
Benzo(g,h,i)perylene	--				
Bis(2-ethylhexyl)phthalate	--				
Butylbenzylphthalate	--				
Carbazole	--				
Di-n-butylphthalate	--				
Di-n-octylphthalate	--				
Dibenzofuran	--				
Diethylphthalate	--				
Dimethylphthalate	--				
Diphenylamine	--				
Fluoranthene	0.002090164 U				
Fluorene	0.002086228 U				
Hexachlorobenzene	--				
Hexachlorobutadiene	--				
Hexachlorocyclopentadiene	--				
Hexachloroethane	--				
Naphthalene	0.002138585 U				
Nitrobenzene	--				
o-Toluidine	--				
Pentachlorobenzene	--				
Pentachloronitrobenzene	--				
Pentachlorophenol	--				
Phenanthrene	0.002090164 U				
Phenol	--				

Attachment C - Environmental Sampling Results For Location AR09

Chemical	Soil Gas - mg/m3				
	Sample Results for: AR09SG0010018				
Pyrene	0.002090164 U				
Total Carcinogenic PAHS (BaP TEQs)	--				
Total Petroleum Hydrocarbon					
Tph (c03-c20)	0.002215574 U				
Tph (c08-c40)	--				
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	0.000962858 U				
1,1,1-Trichloroethane	0.001786984 U				
1,1,2,2-Tetrachloroethane	0.002791239 U				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--				
1,1,2-Trichloroethane	0.00687281 U				
1,1-Dichloroethane	0.003956043 U				
1,1-Dichloroethene	0.005787206 U				
1,2,3-Trichlorobenzene	--				
1,2,3-Trichloropropane	--				
1,2,4-Trichlorobenzene	--				
1,2,4-Trimethylbenzene	0.001198904 U				
1,2-Dibromo-3-Chloropropane	--				
1,2-Dibromoethane	--				
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	--				
1,2-Dichlorobenzene	0.010181865 U				
1,2-Dichloroethane	0.000542267 U				
1,2-Dichloropropane	--				
1,3,5-Trimethylbenzene	0.000860297 U				
1,3-Butadiene	--				
1,3-Dichlorobenzene	0.001680145 U				
1,3-Dichloropropane	--				
1,4-Dichlorobenzene	0.001866344 U				
2,2-Dichloropropane	--				
2-Butanone (methyl ethyl ketone)	--				
2-Chlorotoluene	--				
2-Hexanone	--				
4-Chlorotoluene	--				
4-Isopropyltoluene	--				
4-Methyl-2-Pentanone	--				

Attachment C - Environmental Sampling Results For Location AR09

	Soil Gas - mg/m3				
Chemical	Sample Results for: AR09SG0010018				
Acetaldehyde	--				
Acetone	--				
Acetonitrile	--				
Acetophenone	--				
Acrolein	--				
Acrylonitrile	--				
Benzene	0.000642986 U				
Bis(2-Chloroethyl)ether	--				
Bis(chloromethyl)ether	--				
Bromochloromethane	--				
Bromodichloromethane	--				
Bromoform	--				
Bromomethane	--				
Carbon Disulfide	--				
Carbon Tetrachloride	0.003514017 U				
Chlorobenzene	0.00221646 U				
Chloroethane	--				
Chloroform	0.003393123 U				
Chloromethane	--				
Chloroprene	--				
cis-1,2-Dichloroethene	0.001600686 U				
cis-1,3-Dichloropropene	--				
Cyclohexane	--				
Dibromochloromethane	--				
Dibromomethane	--				
Dichlorodifluoromethane (Freon 12)	--				
Ethylbenzene	0.001481989 U				
Formaldehyde	--				
Hexane	--				
Isobutyl Alcohol	--				
Isophorone	--				
Isopropylbenzene	--				
m,p-Xylenes	0.001643796 U				
Methyl Acetate	--				
Methyl tert-Butyl Ether	0.001078881 U				
Methylcyclohexane	--				

Attachment C - Environmental Sampling Results For Location AR09

Chemical	Soil Gas - mg/m3				
	Sample Results for: AR09SG0010018				
Methylene Chloride	--				
n-Butylbenzene	--				
n-Propylbenzene	--				
o-Xylene	0.001322952 U				
Pentachloroethane	--				
sec-Butylbenzene	--				
Styrene	--				
tert-Butylbenzene	--				
Tetrachloroethene	0.003261127				
Toluene	0.000659774 U				
trans-1,2-Dichloroethene	0.001655093 U				
trans-1,3-Dichloropropene	--				
Trans-1,4-Dichloro-2-Butene	--				
Trichloroethene	0.000783907				
Trichlorofluoromethane	--				
Vinyl Acetate	--				
Vinyl Chloride	0.008176523 U				
Xylenes, Total	--				

-- = The chemical was not analyzed or no value was available.
Fecal Coliform, Fecal Steptococcus and Total Coliforms (including Fecal Coliform and E.Coli) are reported in CFU/100 mL.
Heterotrophic Plate Count is reported in CFU/1 mL.

Data Qualifiers:

Blank (i.e., no qualifier) = The chemical was detected.
> = The chemical was detected.
J = The chemical was detected but the concentration reported is an estimated value.
U = The chemical was not detected.
< = The chemical was not detected.

Attachment C - Environmental Sampling Results For Location AR09

Chemical	Tap Water - mg/L				
	Sample Results for: AR09TW001				
Alkane Hydrocarbon					
Octane	--				
Pentadecane	--				
Tridecane	--				
Undecane	--				
Anion					
Chloride	10.3				
Cyanide	0.004 U				
Fluoride	0.2 U				
Nitrate (measured as NO3-)	2.69				
Nitrite (measured as NO2-)	0.2 U				
Phosphate	0.4 U				
Sulfate	9.26				
Dioxins/Furans					
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.0000000000732				
Disinfectants					
Chlorine (as Cl2)	0.02				
Disinfection Byproducts					
Total Trihalomethanes	0.00375				
Field Parameters					
Dissolved Oxygen	6.6				
Oxidation Reduction Potential	288				
pH	7.72				
Salinity	--				
Specific Conductance	0.77				
Temperature	24.7				
Total Dissolved Solids	--				
Total Solids	--				
Turbidity	22				
Inorganics					
Aluminum	0.0022 U				
Antimony	0.00142 J				
Arsenic	0.00505				
Barium	0.021				
Beryllium	0.00003 U				
Cadmium (Diet)	--				
Cadmium (Water)	0.000215				

Attachment C - Environmental Sampling Results For Location AR09

Chemical	Tap Water - mg/L				
	Sample Results for: AR09TW001				
Chromium	0.00015 U				
Cobalt	0.00262				
Copper	0.0783				
Iron	3.93 J				
Lead	0.0107 J				
Manganese (Diet)	--				
Manganese (Water)	0.0534				
Mercury	0.000053				
Nickel	6.32 J				
Selenium	0.0002 U				
Silver	0.00012 U				
Thallium	0.000266 U				
Tin	0.0001 U				
Vanadium	0.001 U				
Zinc	2.34				
Microorganisms					
Fecal Coliform	1 <				
Fecal Streptococcus	0				
Heterotrophic Plate Count	2630				
Total Coliforms (including Fecal Coliform and E. Coli)	1 <				
Pesticides					
4,4-DDD	0.000003 U				
4,4-DDE	0.000002 U				
4,4-DDT	0.000006 U				
Aldrin	0.000002 U				
alpha-BHC	0.000003 U				
alpha-Chlordane	0.000003 U				
beta-BHC	0.000002 U				
Chlordane	--				
delta-BHC	0.000001 U				
Dieldrin	0.000003 U				
Endosulfan I	0.000003 U				
Endosulfan II	0.000002 U				
Endosulfan Sulfate	0.000007 U				
Endrin	0.000002 U				
Endrin Aldehyde	0.000002 U				

Attachment C - Environmental Sampling Results For Location AR09

Chemical	Tap Water - mg/L				
	Sample Results for: AR09TW001				
gamma-BHC (Lindane)	0.000001 U				
gamma-Chlordane	0.000002 U				
Heptachlor	0.000004 U				
Heptachlor Epoxide	0.000004 U				
Methoxychlor	0.000003 U				
Toxaphene	0.00001 U				
Polychlorinated bi-phenyls					
Aroclor 1016	0.00002 U				
Aroclor 1016/1260	0.00002 U				
Aroclor 1221	0.00002 U				
Aroclor 1232	0.00002 U				
Aroclor 1242	0.00002 U				
Aroclor 1248	0.00002 U				
Aroclor 1254	0.00002 U				
Aroclor 1260	0.00002 U				
Radionuclides					
Uranium	0.000971				
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	0.0002 U				
1,2,4,5-Tetrachlorobenzene	0.0002 U				
2,3,4,6-Tetrachlorophenol	0.0003 U				
2,4,5-Trichlorophenol	0.0005 U				
2,4,6-Trichlorophenol	0.0005 U				
2,4-Dichlorophenol	0.0007 U				
2,4-Dimethylphenol	0.001 U				
2,4-Dinitrophenol	0.0003 U				
2,4-Dinitrotoluene	0.001 U				
2,6-Dichlorophenol	0.0008 U				
2,6-Dinitrotoluene	0.0001 U				
2-Chloronaphthalene	0.0002 U				
2-Chlorophenol	0.0009 U				
2-Methylnaphthalene	0.0002 U				
2-Methylphenol (o-Cresol)	0.0007 U				
2-Nitrophenol	0.0009 U				
3&4-Methylphenol	0.0012 U				
3-Methylphenol	--				
3-Nitroaniline	0.001 U				

Attachment C - Environmental Sampling Results For Location AR09

	Tap Water - mg/L				
Chemical	Sample Results for: AR09TW001				
4,6-Dinitro-2-Methylphenol	0.0002 U				
4-Bromophenylphenylether	0.0001 U				
4-Chloro-3-Methylphenol	0.0006 U				
4-Chloroanaline	0.001 U				
4-Methylphenol (p-Cresol)	--				
4-Nitroaniline	0.001 U				
4-Nitrophenol	0.0003 U				
Acenaphthene	0.0001 U				
Acenaphthylene	0.0001 U				
Aniline	0.001 U				
Anthracene	0.0001 U				
Atrazine	0.0001 U				
Benzo(g,h,i)perylene	0.0001 U				
Bis(2-ethylhexyl)phthalate	0.0014 U				
Butylbenzylphthalate	0.000103 J				
Carbazole	0.0001 U				
Di-n-butylphthalate	0.0013 U				
Di-n-octylphthalate	0.0002 U				
Dibenzofuran	0.0001 U				
Diethylphthalate	0.0002 U				
Dimethylphthalate	0.0001 U				
Diphenylamine	0.0001 U				
Fluoranthene	0.0001 U				
Fluorene	0.0001 U				
Hexachlorobenzene	0.0001 U				
Hexachlorobutadiene	0.0002 U				
Hexachlorocyclopentadiene	0.001 U				
Hexachloroethane	0.0001 U				
Naphthalene	0.0002 U				
Nitrobenzene	0.0002 U				
o-Toluidine	0.0007 U				
Pentachlorobenzene	0.0002 U				
Pentachloronitrobenzene	0.000003 U				
Pentachlorophenol	0.0003 U				
Phenanthrene	0.0001 U				
Phenol	0.001 U				

Attachment C - Environmental Sampling Results For Location AR09

Chemical	Tap Water - mg/L				
	Sample Results for: AR09TW001				
Pyrene	0.0001 U				
Total Carcinogenic PAHS (BaP TEQs)	0.00012 U				
Total Petroleum Hydrocarbon					
Tph (c03-c20)	--				
Tph (c08-c40)	--				
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	0.00011 U				
1,1,1-Trichloroethane	0.00017 U				
1,1,2,2-Tetrachloroethane	0.00005 U				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0002 U				
1,1,2-Trichloroethane	0.00011 U				
1,1-Dichloroethane	0.0001 U				
1,1-Dichloroethene	0.00013 U				
1,2,3-Trichlorobenzene	0.00012 U				
1,2,3-Trichloropropane	0.00013 U				
1,2,4-Trichlorobenzene	0.00013 U				
1,2,4-Trimethylbenzene	0.00006 U				
1,2-Dibromo-3-Chloropropane	0.00025 U				
1,2-Dibromoethane	0.00009 U				
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	0.0004 U				
1,2-Dichlorobenzene	0.00007 U				
1,2-Dichloroethane	0.00008 U				
1,2-Dichloropropane	0.00015 U				
1,3,5-Trimethylbenzene	0.00008 U				
1,3-Butadiene	--				
1,3-Dichlorobenzene	0.00013 U				
1,3-Dichloropropane	0.00011 U				
1,4-Dichlorobenzene	0.00007 U				
2,2-Dichloropropane	0.0001 U				
2-Butanone (methyl ethyl ketone)	0.0016 U				
2-Chlorotoluene	0.00012 U				
2-Hexanone	0.0002 U				
4-Chlorotoluene	0.00013 U				
4-Isopropyltoluene	0.0001 U				
4-Methyl-2-Pentanone	0.0001 U				

Attachment C - Environmental Sampling Results For Location AR09

	Tap Water - mg/L				
Chemical	Sample Results for: AR09TW001				
Acetaldehyde	--				
Acetone	0.001 U				
Acetonitrile	--				
Acetophenone	--				
Acrolein	0.0004 U				
Acrylonitrile	--				
Benzene	0.00005 U				
Bis(2-Chloroethyl)ether	--				
Bis(chloromethyl)ether	--				
Bromochloromethane	0.0001 U				
Bromodichloromethane	0.000236 J				
Bromoform	0.00273 J				
Bromomethane	0.00037 U				
Carbon Disulfide	--				
Carbon Tetrachloride	0.00008 U				
Chlorobenzene	0.00012 U				
Chloroethane	0.00018 U				
Chloroform	0.000132 J				
Chloromethane	0.00021 U				
Chloroprene	--				
cis-1,2-Dichloroethene	0.00013 U				
cis-1,3-Dichloropropene	0.00015 U				
Cyclohexane	--				
Dibromochloromethane	0.000652				
Dibromomethane	--				
Dichlorodifluoromethane (Freon 12)	0.00012 U				
Ethylbenzene	0.00005 U				
Formaldehyde	--				
Hexane	--				
Isobutyl Alcohol	--				
Isophorone	--				
Isopropylbenzene	0.00006 U				
m,p-Xylenes	0.00009 U				
Methyl Acetate	--				
Methyl tert-Butyl Ether	0.00011 U				
Methylcyclohexane	--				

Attachment C - Environmental Sampling Results For Location AR09

Chemical	Tap Water - mg/L				
	Sample Results for: AR09TW001				
Methylene Chloride	0.00069 U				
n-Butylbenzene	0.00005 U				
n-Propylbenzene	0.00007 U				
o-Xylene	0.00007 U				
Pentachloroethane	--				
sec-Butylbenzene	0.00004 U				
Styrene	0.00008 U				
tert-Butylbenzene	0.00019 U				
Tetrachloroethene	0.00007 U				
Toluene	0.00017 U				
trans-1,2-Dichloroethene	0.00015 U				
trans-1,3-Dichloropropene	0.00007 U				
Trans-1,4-Dichloro-2-Butene	--				
Trichloroethene	0.00013 U				
Trichlorofluoromethane	0.00019 U				
Vinyl Acetate	--				
Vinyl Chloride	0.00015 U				
Xylenes, Total	--				

-- = The chemical was not analyzed or no value was available.
Fecal Coliform, Fecal Steptococcus and Total Coliforms (including Fecal Coliform and E.Coli) are reported in CFU/100 mL.
Heterotrophic Plate Count is reported in CFU/1 mL.

Data Qualifiers:

Blank (i.e., no qualifier) = The chemical was detected.
> = The chemical was detected.
J = The chemical was detected but the concentration reported is an estimated value.
U = The chemical was not detected.
< = The chemical was not detected.

Attachment C - Environmental Sampling Results For Location AR10

	Soil - mg/kg				
Chemical	Sample Results for: AR10SS0010006				
Alkane Hydrocarbon					
Octane	--				
Pentadecane	--				
Tridecane	--				
Undecane	--				
Anion					
Chloride	--				
Cyanide	0.0384 U				
Fluoride	--				
Nitrate (measured as NO3-)	--				
Nitrite (measured as NO2-)	--				
Phosphate	--				
Sulfate	--				
Dioxins/Furans					
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.00000085772				
Disinfectants					
Chlorine (as Cl2)	--				
Disinfection Byproducts					
Total Trihalomethanes	--				
Field Parameters					
Dissolved Oxygen	--				
Oxidation Reduction Potential	--				
pH	--				
Salinity	--				
Specific Conductance	--				
Temperature	--				
Total Dissolved Solids	--				
Total Solids	84				
Turbidity	--				
Inorganics					
Aluminum	34300				
Antimony	0.52				
Arsenic	12.5				
Barium	251				
Beryllium	4.57				
Cadmium (Diet)	0.22				
Cadmium (Water)	--				

Attachment C - Environmental Sampling Results For Location AR10

Chemical	Soil - mg/kg				
	Sample Results for: AR10SS0010006				
Chromium	3.33				
Cobalt	4.49				
Copper	27.1				
Iron	18600				
Lead	32.6				
Manganese (Diet)	606				
Manganese (Water)	--				
Mercury	0.202 U				
Nickel	4.04				
Selenium	0.133 U				
Silver	0.124				
Thallium	1.41				
Tin	2.54				
Vanadium	36.7				
Zinc	61.3				
Microorganisms					
Fecal Coliform	--				
Fecal Streptococcus	--				
Heterotrophic Plate Count	--				
Total Coliforms (including Fecal Coliform and E. Coli)	--				
Pesticides					
4,4-DDD	0.000471 U				
4,4-DDE	0.000462 U				
4,4-DDT	0.00062 U				
Aldrin	0.000375 U				
alpha-BHC	0.000462 U				
alpha-Chlordane	0.000375 U				
beta-BHC	0.000567 U				
Chlordane	--				
delta-BHC	0.000515 U				
Dieldrin	0.000524 U				
Endosulfan I	0.000471 U				
Endosulfan II	0.000375 U				
Endosulfan Sulfate	0.000532 U				
Endrin	0.000602 U				
Endrin Aldehyde	0.000541 U				

Attachment C - Environmental Sampling Results For Location AR10

Chemical	Soil - mg/kg				
	Sample Results for: AR10SS0010006				
gamma-BHC (Lindane)	0.000445 U				
gamma-Chlordane	0.00041 U				
Heptachlor	0.000532 U				
Heptachlor Epoxide	0.00041 U				
Methoxychlor	0.000663 U				
Toxaphene	0.00524 U				
Polychlorinated bi-phenyls					
Aroclor 1016	0.00611 U				
Aroclor 1016/1260	--				
Aroclor 1221	0.00611 U				
Aroclor 1232	0.00611 U				
Aroclor 1242	0.00611 U				
Aroclor 1248	0.00611 U				
Aroclor 1254	0.00611 U				
Aroclor 1260	0.00611 U				
Radionuclides					
Uranium	--				
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	0.0179 U				
1,2,4,5-Tetrachlorobenzene	0.0143 U				
2,3,4,6-Tetrachlorophenol	0.0846 U				
2,4,5-Trichlorophenol	0.146 U				
2,4,6-Trichlorophenol	0.0786 U				
2,4-Dichlorophenol	0.0917 U				
2,4-Dimethylphenol	0.176 U				
2,4-Dinitrophenol	0.0655 U				
2,4-Dinitrotoluene	0.0214 U				
2,6-Dichlorophenol	0.056 U				
2,6-Dinitrotoluene	0.0179 U				
2-Chloronaphthalene	0.00953 U				
2-Chlorophenol	0.0596 U				
2-Methylnaphthalene	0.0202 U				
2-Methylphenol (o-Cresol)	0.119 U				
2-Nitrophenol	0.075 U				
3&4-Methylphenol	0.137 U				
3-Methylphenol	--				
3-Nitroaniline	0.0214 U				

Attachment C - Environmental Sampling Results For Location AR10

Chemical	Soil - mg/kg				
	Sample Results for: AR10SS0010006				
4,6-Dinitro-2-Methylphenol	0.0798 U				
4-Bromophenylphenylether	0.0143 U				
4-Chloro-3-Methylphenol	0.105 U				
4-Chloroanaline	0.0274 U				
4-Methylphenol (p-Cresol)	--				
4-Nitroaniline	0.0524 U				
4-Nitrophenol	0.141 U				
Acenaphthene	0.0119 U				
Acenaphthylene	0.0107 U				
Aniline	0.0238 U				
Anthracene	0.0143 U				
Atrazine	0.031 U				
Benzo(g,h,i)perylene	0.0333 U				
Bis(2-ethylhexyl)phthalate	0.125 U				
Butylbenzylphthalate	0.0357 U				
Carbazole	0.0214 U				
Di-n-butylphthalate	0.0512 U				
Di-n-octylphthalate	0.0238 U				
Dibenzofuran	0.0119 U				
Diethylphthalate	0.0202 U				
Dimethylphthalate	0.0155 U				
Diphenylamine	0.0619 U				
Fluoranthene	0.0226 U				
Fluorene	0.0143 U				
Hexachlorobenzene	0.0131 U				
Hexachlorobutadiene	0.0119 U				
Hexachlorocyclopentadiene	0.0167 U				
Hexachloroethane	0.0131 U				
Naphthalene	0.00715 U				
Nitrobenzene	0.0179 U				
o-Toluidine	0.0214 U				
Pentachlorobenzene	0.0333 U				
Pentachloronitrobenzene	0.000436 U				
Pentachlorophenol	0.183 U				
Phenanthrene	0.0357 U				
Phenol	0.0405 U				

Chemical	Soil - mg/kg				
	Sample Results for: AR10SS0010006				
Pyrene	0.0214 U				
Total Carcinogenic PAHS (BaP TEQs)	0.0513595 U				
Total Petroleum Hydrocarbon					
Tph (c03-c20)	--				
Tph (c08-c40)	--				
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	0.000555 U				
1,1,1-Trichloroethane	0.00074 U				
1,1,2,2-Tetrachloroethane	0.00037 U				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.00129 U				
1,1,2-Trichloroethane	0.000555 U				
1,1-Dichloroethane	0.00129 U				
1,1-Dichloroethene	0.000925 U				
1,2,3-Trichlorobenzene	0.000925 U				
1,2,3-Trichloropropane	0.000555 U				
1,2,4-Trichlorobenzene	0.000555 U				
1,2,4-Trimethylbenzene	0.00074 U				
1,2-Dibromo-3-Chloropropane	0.00074 U				
1,2-Dibromoethane	0.000185 U				
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	0.00111 U				
1,2-Dichlorobenzene	0.000185 U				
1,2-Dichloroethane	0.00037 U				
1,2-Dichloropropane	0.000555 U				
1,3,5-Trimethylbenzene	0.00037 U				
1,3-Butadiene	--				
1,3-Dichlorobenzene	0.00037 U				
1,3-Dichloropropane	0.00037 U				
1,4-Dichlorobenzene	0.000185 U				
2,2-Dichloropropane	0.000925 U				
2-Butanone (methyl ethyl ketone)	0.00333 U				
2-Chlorotoluene	0.000555 U				
2-Hexanone	0.00185 UJ				
4-Chlorotoluene	0.00037 U				
4-Isopropyltoluene	0.00037 U				
4-Methyl-2-Pentanone	0.000555 U				
Acetaldehyde	--				

Attachment C - Environmental Sampling Results For Location AR10

	Soil - mg/kg				
Chemical	Sample Results for: AR10SS0010006				
Acetone	0.0107 U				
Acetonitrile	--				
Acetophenone	--				
Acrolein	--				
Acrylonitrile	--				
Benzene	0.000555 U				
Bis(2-Chloroethyl)ether	--				
Bis(chloromethyl)ether	--				
Bromochloromethane	0.00074 U				
Bromodichloromethane	0.00074 U				
Bromoform	0.00037 U				
Bromomethane	0.00555 U				
Carbon Disulfide	--				
Carbon Tetrachloride	0.00074 U				
Chlorobenzene	0.00037 U				
Chloroethane	0.00074 U				
Chloroform	0.00129 U				
Chloromethane	0.00166 U				
Chloroprene	--				
cis-1,2-Dichloroethene	0.00129 U				
cis-1,3-Dichloropropene	0.000185 U				
Cyclohexane	--				
Dibromochloromethane	0.000185 U				
Dibromomethane	--				
Dichlorodifluoromethane (Freon 12)	0.000555 U				
Ethylbenzene	0.000555 U				
Formaldehyde	--				
Hexane	--				
Isobutyl Alcohol	--				
Isophorone	--				
Isopropylbenzene	0.00037 U				
m,p-Xylenes	0.00111 U				
Methyl Acetate	--				
Methyl tert-Butyl Ether	0.000925 U				
Methylcyclohexane	--				
Methylene Chloride	0.00185 U				

Attachment C - Environmental Sampling Results For Location AR10

Chemical	Soil - mg/kg				
	Sample Results for: AR10SS0010006				
n-Butylbenzene	0.00037 U				
n-Propylbenzene	0.000555 U				
o-Xylene	0.00037 U				
Pentachloroethane	--				
sec-Butylbenzene	0.00037 U				
Styrene	0.00037 U				
tert-Butylbenzene	0.00074 U				
Tetrachloroethene	0.00111 U				
Toluene	0.000925 U				
trans-1,2-Dichloroethene	0.00111 U				
trans-1,3-Dichloropropene	0.000555 U				
Trans-1,4-Dichloro-2-Butene	--				
Trichloroethene	0.000925 U				
Trichlorofluoromethane	0.00148 U				
Vinyl Acetate	--				
Vinyl Chloride	0.00074 U				
Xylenes, Total	--				

-- = The chemical was not analyzed or no value was available.
Fecal Coliform, Fecal Steptococcus and Total Coliforms (including Fecal Coliform and E.Coli) are reported in CFU/100 mL.
Heterotrophic Plate Count is reported in CFU/1 mL.
Data Qualifiers:

Blank (i.e., no qualifier) = The chemical was detected.
> = The chemical was detected.
J = The chemical was detected but the concentration reported is an estimated value.
U = The chemical was not detected.
< = The chemical was not detected.

Attachment C - Environmental Sampling Results For Location AR10

	Soil Gas - mg/m3				
Chemical	Sample Results for: AR10SG0010018				
Alkane Hydrocarbon					
Octane	0.001253153 U				
Pentadecane	0.001071361 U				
Tridecane	0.001005251 U				
Undecane	0.010806023				
Anion					
Chloride	--				
Cyanide	--				
Fluoride	--				
Nitrate (measured as NO3-)	--				
Nitrite (measured as NO2-)	--				
Phosphate	--				
Sulfate	--				
Dioxins/Furans					
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	--				
Disinfectants					
Chlorine (as Cl2)	--				
Disinfection Byproducts					
Total Trihalomethanes	--				
Field Parameters					
Dissolved Oxygen	--				
Oxidation Reduction Potential	--				
pH	--				
Salinity	--				
Specific Conductance	--				
Temperature	--				
Total Dissolved Solids	--				
Total Solids	--				
Turbidity	--				
Inorganics					
Aluminum	--				
Antimony	--				
Arsenic	--				
Barium	--				
Beryllium	--				
Cadmium (Diet)	--				
Cadmium (Water)	--				

Attachment C - Environmental Sampling Results For Location AR10

	Soil Gas - mg/m3				
Chemical	Sample Results for: AR10SG0010018				
Chromium	--				
Cobalt	--				
Copper	--				
Iron	--				
Lead	--				
Manganese (Diet)	--				
Manganese (Water)	--				
Mercury	--				
Nickel	--				
Selenium	--				
Silver	--				
Thallium	--				
Tin	--				
Vanadium	--				
Zinc	--				
Microorganisms					
Fecal Coliform	--				
Fecal Streptococcus	--				
Heterotrophic Plate Count	--				
Total Coliforms (including Fecal Coliform and E. Coli)	--				
Pesticides					
4,4-DDD	--				
4,4-DDE	--				
4,4-DDT	--				
Aldrin	--				
alpha-BHC	--				
alpha-Chlordane	--				
beta-BHC	--				
Chlordane	--				
delta-BHC	--				
Dieldrin	--				
Endosulfan I	--				
Endosulfan II	--				
Endosulfan Sulfate	--				
Endrin	--				
Endrin Aldehyde	--				

Attachment C - Environmental Sampling Results For Location AR10

Chemical	Soil Gas - mg/m3				
	Sample Results for: AR10SG0010018				
gamma-BHC (Lindane)	--				
gamma-Chlordane	--				
Heptachlor	--				
Heptachlor Epoxide	--				
Methoxychlor	--				
Toxaphene	--				
Polychlorinated bi-phenyls					
Aroclor 1016	--				
Aroclor 1016/1260	--				
Aroclor 1221	--				
Aroclor 1232	--				
Aroclor 1242	--				
Aroclor 1248	--				
Aroclor 1254	--				
Aroclor 1260	--				
Radionuclides					
Uranium	--				
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	--				
1,2,4,5-Tetrachlorobenzene	--				
2,3,4,6-Tetrachlorophenol	--				
2,4,5-Trichlorophenol	--				
2,4,6-Trichlorophenol	--				
2,4-Dichlorophenol	--				
2,4-Dimethylphenol	--				
2,4-Dinitrophenol	--				
2,4-Dinitrotoluene	--				
2,6-Dichlorophenol	--				
2,6-Dinitrotoluene	--				
2-Chloronaphthalene	--				
2-Chlorophenol	--				
2-Methylnaphthalene	0.0009436 U				
2-Methylphenol (o-Cresol)	--				
2-Nitrophenol	--				
3&4-Methylphenol	--				
3-Methylphenol	--				
3-Nitroaniline	--				

Attachment C - Environmental Sampling Results For Location AR10

	Soil Gas - mg/m3				
Chemical	Sample Results for: AR10SG0010018				
4,6-Dinitro-2-Methylphenol	--				
4-Bromophenylphenylether	--				
4-Chloro-3-Methylphenol	--				
4-Chloroanaline	--				
4-Methylphenol (p-Cresol)	--				
4-Nitroaniline	--				
4-Nitrophenol	--				
Acenaphthene	0.001347673 U				
Acenaphthylene	0.003680355 U				
Aniline	--				
Anthracene	0.002090164 U				
Atrazine	--				
Benzo(g,h,i)perylene	--				
Bis(2-ethylhexyl)phthalate	--				
Butylbenzylphthalate	--				
Carbazole	--				
Di-n-butylphthalate	--				
Di-n-octylphthalate	--				
Dibenzofuran	--				
Diethylphthalate	--				
Dimethylphthalate	--				
Diphenylamine	--				
Fluoranthene	0.002090164 U				
Fluorene	0.002086228 U				
Hexachlorobenzene	--				
Hexachlorobutadiene	--				
Hexachlorocyclopentadiene	--				
Hexachloroethane	--				
Naphthalene	0.002138585 U				
Nitrobenzene	--				
o-Toluidine	--				
Pentachlorobenzene	--				
Pentachloronitrobenzene	--				
Pentachlorophenol	--				
Phenanthrene	0.002090164 U				
Phenol	--				

Chemical	Soil Gas - mg/m3				
	Sample Results for: AR10SG0010018				
Pyrene	0.002090164 U				
Total Carcinogenic PAHS (BaP TEQs)	--				
Total Petroleum Hydrocarbon					
Tph (c03-c20)	2.743808113				
Tph (c08-c40)	--				
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	0.000962858 U				
1,1,1-Trichloroethane	0.001786984 U				
1,1,2,2-Tetrachloroethane	0.002791239 U				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--				
1,1,2-Trichloroethane	0.00687281 U				
1,1-Dichloroethane	0.003956043 U				
1,1-Dichloroethene	0.005787206 U				
1,2,3-Trichlorobenzene	--				
1,2,3-Trichloropropane	--				
1,2,4-Trichlorobenzene	--				
1,2,4-Trimethylbenzene	0.001198904 U				
1,2-Dibromo-3-Chloropropane	--				
1,2-Dibromoethane	--				
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	--				
1,2-Dichlorobenzene	0.010181865 U				
1,2-Dichloroethane	0.000542267 U				
1,2-Dichloropropane	--				
1,3,5-Trimethylbenzene	0.000860297 U				
1,3-Butadiene	--				
1,3-Dichlorobenzene	0.001680145 U				
1,3-Dichloropropane	--				
1,4-Dichlorobenzene	0.001866344 U				
2,2-Dichloropropane	--				
2-Butanone (methyl ethyl ketone)	--				
2-Chlorotoluene	--				
2-Hexanone	--				
4-Chlorotoluene	--				
4-Isopropyltoluene	--				
4-Methyl-2-Pentanone	--				

Attachment C - Environmental Sampling Results For Location AR10

Chemical	Soil Gas - mg/m3				
	Sample Results for: AR10SG0010018				
Acetaldehyde	--				
Acetone	--				
Acetonitrile	--				
Acetophenone	--				
Acrolein	--				
Acrylonitrile	--				
Benzene	0.000642986 U				
Bis(2-Chloroethyl)ether	--				
Bis(chloromethyl)ether	--				
Bromochloromethane	--				
Bromodichloromethane	--				
Bromoform	--				
Bromomethane	--				
Carbon Disulfide	--				
Carbon Tetrachloride	0.003514017 U				
Chlorobenzene	0.00221646 U				
Chloroethane	--				
Chloroform	0.003393123 U				
Chloromethane	--				
Chloroprene	--				
cis-1,2-Dichloroethene	0.001600686 U				
cis-1,3-Dichloropropene	--				
Cyclohexane	--				
Dibromochloromethane	--				
Dibromomethane	--				
Dichlorodifluoromethane (Freon 12)	--				
Ethylbenzene	0.001481989 U				
Formaldehyde	--				
Hexane	--				
Isobutyl Alcohol	--				
Isophorone	--				
Isopropylbenzene	--				
m,p-Xylenes	0.001643796 U				
Methyl Acetate	--				
Methyl tert-Butyl Ether	0.001078881 U				
Methylcyclohexane	--				

Attachment C - Environmental Sampling Results For Location AR10

Chemical	Soil Gas - mg/m3				
	Sample Results for: AR10SG0010018				
Methylene Chloride	--				
n-Butylbenzene	--				
n-Propylbenzene	--				
o-Xylene	0.001322952 U				
Pentachloroethane	--				
sec-Butylbenzene	--				
Styrene	--				
tert-Butylbenzene	--				
Tetrachloroethene	0.00226079 U				
Toluene	0.000659774 U				
trans-1,2-Dichloroethene	0.001655093 U				
trans-1,3-Dichloropropene	--				
Trans-1,4-Dichloro-2-Butene	--				
Trichloroethene	0.000634021 U				
Trichlorofluoromethane	--				
Vinyl Acetate	--				
Vinyl Chloride	0.008176523 U				
Xylenes, Total	--				

-- = The chemical was not analyzed or no value was available.
Fecal Coliform, Fecal Steptococcus and Total Coliforms (including Fecal Coliform and E.Coli) are reported in CFU/100 mL.
Heterotrophic Plate Count is reported in CFU/1 mL.

Data Qualifiers:

Blank (i.e., no qualifier) = The chemical was detected.
> = The chemical was detected.
J = The chemical was detected but the concentration reported is an estimated value.
U = The chemical was not detected.
< = The chemical was not detected.

Attachment C - Environmental Sampling Results For Location AR10

Chemical	Tap Water - mg/L				
	Sample Results for: AR10TW001				
Alkane Hydrocarbon					
Octane	--				
Pentadecane	--				
Tridecane	--				
Undecane	--				
Anion					
Chloride	9.06				
Cyanide	0.004 U				
Fluoride	0.2 U				
Nitrate (measured as NO3-)	2.93				
Nitrite (measured as NO2-)	0.2 U				
Phosphate	0.4 U				
Sulfate	6.65				
Dioxins/Furans					
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.00000000073582 U				
Disinfectants					
Chlorine (as Cl2)	0.06				
Disinfection Byproducts					
Total Trihalomethanes	0.002039				
Field Parameters					
Dissolved Oxygen	8.859999999999999				
Oxidation Reduction Potential	552				
pH	7.29				
Salinity	--				
Specific Conductance	0.67				
Temperature	25.5				
Total Dissolved Solids	--				
Total Solids	--				
Turbidity	--				
Inorganics					
Aluminum	0.0022 U				
Antimony	0.000192				
Arsenic	0.00236				
Barium	0.0121				
Beryllium	0.00003 U				
Cadmium (Diet)	--				
Cadmium (Water)	0.0000404				

Attachment C - Environmental Sampling Results For Location AR10

Chemical	Tap Water - mg/L				
	Sample Results for: AR10TW001				
Chromium	0.000464				
Cobalt	0.0000922				
Copper	0.258				
Iron	0.078				
Lead	0.00443				
Manganese (Diet)	--				
Manganese (Water)	0.0127				
Mercury	0.000015 U				
Nickel	0.143				
Selenium	0.0002 U				
Silver	0.00012 U				
Thallium	0.00004 U				
Tin	0.0001 U				
Vanadium	0.00169 U				
Zinc	0.496				
Microorganisms					
Fecal Coliform	1 <				
Fecal Streptococcus	0				
Heterotrophic Plate Count	180				
Total Coliforms (including Fecal Coliform and E. Coli)	1 <				
Pesticides					
4,4-DDD	0.000003 U				
4,4-DDE	0.000002 U				
4,4-DDT	0.000006 U				
Aldrin	0.000002 U				
alpha-BHC	0.000003 U				
alpha-Chlordane	0.000003 U				
beta-BHC	0.000002 U				
Chlordane	--				
delta-BHC	0.000001 U				
Dieldrin	0.000003 U				
Endosulfan I	0.000003 U				
Endosulfan II	0.000002 U				
Endosulfan Sulfate	0.000007 U				
Endrin	0.000002 U				
Endrin Aldehyde	0.000002 U				

Attachment C - Environmental Sampling Results For Location AR10

Chemical	Tap Water - mg/L				
	Sample Results for: AR10TW001				
gamma-BHC (Lindane)	0.000001 U				
gamma-Chlordane	0.000002 U				
Heptachlor	0.000004 U				
Heptachlor Epoxide	0.000004 U				
Methoxychlor	0.000003 U				
Toxaphene	0.00001 U				
Polychlorinated bi-phenyls					
Aroclor 1016	0.00002 U				
Aroclor 1016/1260	--				
Aroclor 1221	0.00002 U				
Aroclor 1232	0.00002 U				
Aroclor 1242	0.00002 U				
Aroclor 1248	0.00002 U				
Aroclor 1254	0.00002 U				
Aroclor 1260	0.00002 U				
Radionuclides					
Uranium	0.000666				
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	0.0002 U				
1,2,4,5-Tetrachlorobenzene	0.0002 U				
2,3,4,6-Tetrachlorophenol	0.0003 U				
2,4,5-Trichlorophenol	0.0005 U				
2,4,6-Trichlorophenol	0.0005 U				
2,4-Dichlorophenol	0.0007 U				
2,4-Dimethylphenol	0.001 U				
2,4-Dinitrophenol	0.0003 U				
2,4-Dinitrotoluene	0.001 U				
2,6-Dichlorophenol	0.0008 U				
2,6-Dinitrotoluene	0.0001 U				
2-Chloronaphthalene	0.0002 U				
2-Chlorophenol	0.0009 U				
2-Methylnaphthalene	0.0002 U				
2-Methylphenol (o-Cresol)	0.0007 U				
2-Nitrophenol	0.0009 U				
3&4-Methylphenol	0.0012 U				
3-Methylphenol	--				
3-Nitroaniline	0.001 U				

Attachment C - Environmental Sampling Results For Location AR10

	Tap Water - mg/L				
Chemical	Sample Results for: AR10TW001				
4,6-Dinitro-2-Methylphenol	0.0002 U				
4-Bromophenylphenylether	0.0001 U				
4-Chloro-3-Methylphenol	0.0006 U				
4-Chloroanaline	0.001 U				
4-Methylphenol (p-Cresol)	--				
4-Nitroaniline	0.001 U				
4-Nitrophenol	0.0003 U				
Acenaphthene	0.0001 U				
Acenaphthylene	0.0001 U				
Aniline	0.001 U				
Anthracene	0.0001 U				
Atrazine	0.0001 U				
Benzo(g,h,i)perylene	0.0001 U				
Bis(2-ethylhexyl)phthalate	0.0014 U				
Butylbenzylphthalate	0.0001 U				
Carbazole	0.0001 U				
Di-n-butylphthalate	0.0013 U				
Di-n-octylphthalate	0.0002 U				
Dibenzofuran	0.0001 U				
Diethylphthalate	0.0002 U				
Dimethylphthalate	0.0001 U				
Diphenylamine	0.0001 U				
Fluoranthene	0.0001 U				
Fluorene	0.0001 U				
Hexachlorobenzene	0.0001 U				
Hexachlorobutadiene	0.0002 U				
Hexachlorocyclopentadiene	0.001 U				
Hexachloroethane	0.0001 U				
Naphthalene	0.0002 U				
Nitrobenzene	0.0002 U				
o-Toluidine	0.0007 U				
Pentachlorobenzene	0.0002 U				
Pentachloronitrobenzene	0.000003 U				
Pentachlorophenol	0.0003 U				
Phenanthrene	0.0001 U				
Phenol	0.001 U				

Attachment C - Environmental Sampling Results For Location AR10

Chemical	Tap Water - mg/L				
	Sample Results for: AR10TW001				
Pyrene	0.0001 U				
Total Carcinogenic PAHS (BaP TEQs)	0.00012 U				
Total Petroleum Hydrocarbon					
Tph (c03-c20)	--				
Tph (c08-c40)	--				
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	0.00011 U				
1,1,1-Trichloroethane	0.00017 U				
1,1,2,2-Tetrachloroethane	0.00005 U				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0002 U				
1,1,2-Trichloroethane	0.00011 U				
1,1-Dichloroethane	0.0001 U				
1,1-Dichloroethene	0.00013 U				
1,2,3-Trichlorobenzene	0.00012 U				
1,2,3-Trichloropropane	0.00013 U				
1,2,4-Trichlorobenzene	0.00013 U				
1,2,4-Trimethylbenzene	0.00006 U				
1,2-Dibromo-3-Chloropropane	0.00025 U				
1,2-Dibromoethane	0.00009 U				
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	0.0004 U				
1,2-Dichlorobenzene	0.00007 U				
1,2-Dichloroethane	0.00008 U				
1,2-Dichloropropane	0.00015 U				
1,3,5-Trimethylbenzene	0.00008 U				
1,3-Butadiene	--				
1,3-Dichlorobenzene	0.00013 U				
1,3-Dichloropropane	0.00011 U				
1,4-Dichlorobenzene	0.00007 U				
2,2-Dichloropropane	0.0001 U				
2-Butanone (methyl ethyl ketone)	0.0016 U				
2-Chlorotoluene	0.00012 U				
2-Hexanone	0.0002 U				
4-Chlorotoluene	0.00013 U				
4-Isopropyltoluene	0.0001 U				
4-Methyl-2-Pentanone	0.0001 U				

Attachment C - Environmental Sampling Results For Location AR10

	Tap Water - mg/L				
Chemical	Sample Results for: AR10TW001				
Acetaldehyde	--				
Acetone	0.001 U				
Acetonitrile	--				
Acetophenone	--				
Acrolein	0.0004 U				
Acrylonitrile	--				
Benzene	0.00005 U				
Bis(2-Chloroethyl)ether	--				
Bis(chloromethyl)ether	--				
Bromochloromethane	0.0001 U				
Bromodichloromethane	0.000299 J				
Bromoform	0.00112				
Bromomethane	0.00037 U				
Carbon Disulfide	--				
Carbon Tetrachloride	0.00008 U				
Chlorobenzene	0.00012 U				
Chloroethane	0.00018 U				
Chloroform	0.000126 J				
Chloromethane	0.00021 U				
Chloroprene	--				
cis-1,2-Dichloroethene	0.00013 U				
cis-1,3-Dichloropropene	0.00015 U				
Cyclohexane	--				
Dibromochloromethane	0.000494 J				
Dibromomethane	--				
Dichlorodifluoromethane (Freon 12)	0.00012 U				
Ethylbenzene	0.00005 U				
Formaldehyde	--				
Hexane	--				
Isobutyl Alcohol	--				
Isophorone	--				
Isopropylbenzene	0.00006 U				
m,p-Xylenes	0.00009 U				
Methyl Acetate	--				
Methyl tert-Butyl Ether	0.00011 U				
Methylcyclohexane	--				

Attachment C - Environmental Sampling Results For Location AR10

Chemical	Tap Water - mg/L				
	Sample Results for: AR10TW001				
Methylene Chloride	0.00069 U				
n-Butylbenzene	0.00005 U				
n-Propylbenzene	0.00007 U				
o-Xylene	0.00007 U				
Pentachloroethane	--				
sec-Butylbenzene	0.00004 U				
Styrene	0.00008 U				
tert-Butylbenzene	0.00019 U				
Tetrachloroethene	0.00007 U				
Toluene	0.00017 U				
trans-1,2-Dichloroethene	0.00015 U				
trans-1,3-Dichloropropene	0.00007 U				
Trans-1,4-Dichloro-2-Butene	--				
Trichloroethene	0.00013 U				
Trichlorofluoromethane	0.00019 U				
Vinyl Acetate	--				
Vinyl Chloride	0.00015 U				
Xylenes, Total	--				

-- = The chemical was not analyzed or no value was available.
Fecal Coliform, Fecal Steptococcus and Total Coliforms (including Fecal Coliform and E.Coli) are reported in CFU/100 mL.
Heterotrophic Plate Count is reported in CFU/1 mL.

Data Qualifiers:

Blank (i.e., no qualifier) = The chemical was detected.
> = The chemical was detected.
J = The chemical was detected but the concentration reported is an estimated value.
U = The chemical was not detected.
< = The chemical was not detected.

Attachment C - Environmental Sampling Results For Location AR11

Chemical	Soil - mg/kg				
	Sample Results for: AR11SS0010006				
Alkane Hydrocarbon					
Octane	--				
Pentadecane	--				
Tridecane	--				
Undecane	--				
Anion					
Chloride	--				
Cyanide	0.00302 U				
Fluoride	--				
Nitrate (measured as NO3-)	--				
Nitrite (measured as NO2-)	--				
Phosphate	--				
Sulfate	--				
Dioxins/Furans					
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.00000115502				
Disinfectants					
Chlorine (as Cl2)	--				
Disinfection Byproducts					
Total Trihalomethanes	--				
Field Parameters					
Dissolved Oxygen	--				
Oxidation Reduction Potential	--				
pH	--				
Salinity	--				
Specific Conductance	--				
Temperature	--				
Total Dissolved Solids	--				
Total Solids	80.8				
Turbidity	--				
Inorganics					
Aluminum	43500				
Antimony	0.0988				
Arsenic	14.3				
Barium	309				
Beryllium	5.61				
Cadmium (Diet)	0.252				
Cadmium (Water)	--				

Attachment C - Environmental Sampling Results For Location AR11

	Soil - mg/kg				
Chemical	Sample Results for: AR11SS0010006				
Chromium	7.11				
Cobalt	5.25				
Copper	41.6				
Iron	21400				
Lead	42.8				
Manganese (Diet)	714				
Manganese (Water)	--				
Mercury	0.2 U				
Nickel	5.8				
Selenium	0.133 U				
Silver	0.118				
Thallium	1.59				
Tin	2.31				
Vanadium	56.2				
Zinc	57				
Microorganisms					
Fecal Coliform	--				
Fecal Streptococcus	--				
Heterotrophic Plate Count	--				
Total Coliforms (including Fecal Coliform and E. Coli)	--				
Pesticides					
4,4-DDD	0.00048 UJ				
4,4-DDE	0.000471 UJ				
4,4-DDT	0.000631 UJ				
Aldrin	0.000382 UJ				
alpha-BHC	0.000471 UJ				
alpha-Chlordane	0.000382 UJ				
beta-BHC	0.000577 UJ				
Chlordane	--				
delta-BHC	0.000524 UJ				
Dieldrin	0.000533 UJ				
Endosulfan I	0.00048 UJ				
Endosulfan II	0.000382 UJ				
Endosulfan Sulfate	0.000542 UJ				
Endrin	0.000613 UJ				
Endrin Aldehyde	0.000551 UJ				

Attachment C - Environmental Sampling Results For Location AR11

Chemical	Soil - mg/kg				
	Sample Results for: AR11SS0010006				
gamma-BHC (Lindane)	0.000453 UJ				
gamma-Chlordane	0.000417 UJ				
Heptachlor	0.000542 UJ				
Heptachlor Epoxide	0.000417 UJ				
Methoxychlor	0.000675 UJ				
Toxaphene	0.00567 UJ				
Polychlorinated bi-phenyls					
Aroclor 1016	0.00622 UJ				
Aroclor 1016/1260	--				
Aroclor 1221	0.00622 UJ				
Aroclor 1232	0.00622 UJ				
Aroclor 1242	0.00622 UJ				
Aroclor 1248	0.00622 UJ				
Aroclor 1254	0.00622 UJ				
Aroclor 1260	0.00622 UJ				
Radionuclides					
Uranium	--				
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	0.0183 U				
1,2,4,5-Tetrachlorobenzene	0.0147 U				
2,3,4,6-Tetrachlorophenol	0.0868 U				
2,4,5-Trichlorophenol	0.15 U				
2,4,6-Trichlorophenol	0.0807 U				
2,4-Dichlorophenol	0.0942 U				
2,4-Dimethylphenol	0.181 U				
2,4-Dinitrophenol	0.0673 U				
2,4-Dinitrotoluene	0.022 U				
2,6-Dichlorophenol	0.0575 U				
2,6-Dinitrotoluene	0.0183 U				
2-Chloronaphthalene	0.00978 U				
2-Chlorophenol	0.0612 U				
2-Methylnaphthalene	0.0208 U				
2-Methylphenol (o-Cresol)	0.122 U				
2-Nitrophenol	0.077 U				
3&4-Methylphenol	0.141 U				
3-Methylphenol	--				
3-Nitroaniline	0.022 U				

Attachment C - Environmental Sampling Results For Location AR11

Chemical	Soil - mg/kg				
	Sample Results for: AR11SS0010006				
4,6-Dinitro-2-Methylphenol	0.0819 U				
4-Bromophenylphenylether	0.0147 U				
4-Chloro-3-Methylphenol	0.108 U				
4-Chloroanaline	0.0281 U				
4-Methylphenol (p-Cresol)	--				
4-Nitroaniline	0.0538 U				
4-Nitrophenol	0.144 U				
Acenaphthene	0.0122 U				
Acenaphthylene	0.011 U				
Aniline	0.0245 U				
Anthracene	0.0147 U				
Atrazine	0.0318 U				
Benzo(g,h,i)perylene	0.0342 U				
Bis(2-ethylhexyl)phthalate	0.128 U				
Butylbenzylphthalate	0.0367 U				
Carbazole	0.022 U				
Di-n-butylphthalate	0.0526 U				
Di-n-octylphthalate	0.0245 U				
Dibenzofuran	0.0122 U				
Diethylphthalate	0.0208 U				
Dimethylphthalate	0.0159 U				
Diphenylamine	0.0636 U				
Fluoranthene	0.0232 U				
Fluorene	0.0147 U				
Hexachlorobenzene	0.0135 U				
Hexachlorobutadiene	0.0122 U				
Hexachlorocyclopentadiene	0.0171 U				
Hexachloroethane	0.0135 U				
Naphthalene	0.00734 U				
Nitrobenzene	0.0183 U				
o-Toluidine	0.022 U				
Pentachlorobenzene	0.0342 U				
Pentachloronitrobenzene	0.000444 UJ				
Pentachlorophenol	0.188 U				
Phenanthrene	0.0367 U				
Phenol	0.0416 U				

Chemical	Soil - mg/kg				
	Sample Results for: AR11SS0010006				
Pyrene	0.022 U				
Total Carcinogenic PAHS (BaP TEQs)	0.0528259 U				
Total Petroleum Hydrocarbon					
Tph (c03-c20)	--				
Tph (c08-c40)	--				
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	0.000397 U				
1,1,1-Trichloroethane	0.00053 U				
1,1,2,2-Tetrachloroethane	0.000265 U				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.000927 U				
1,1,2-Trichloroethane	0.000397 U				
1,1-Dichloroethane	0.000927 U				
1,1-Dichloroethene	0.000662 U				
1,2,3-Trichlorobenzene	0.000662 U				
1,2,3-Trichloropropane	0.000397 U				
1,2,4-Trichlorobenzene	0.000397 U				
1,2,4-Trimethylbenzene	0.00053 U				
1,2-Dibromo-3-Chloropropane	0.00053 U				
1,2-Dibromoethane	0.000132 U				
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	--				
1,2-Dichlorobenzene	0.000132 U				
1,2-Dichloroethane	0.000265 U				
1,2-Dichloropropane	0.000397 U				
1,3,5-Trimethylbenzene	0.000265 U				
1,3-Butadiene	--				
1,3-Dichlorobenzene	0.000265 U				
1,3-Dichloropropane	0.000265 U				
1,4-Dichlorobenzene	0.000132 U				
2,2-Dichloropropane	0.000662 U				
2-Butanone (methyl ethyl ketone)	0.00238 U				
2-Chlorotoluene	0.000397 U				
2-Hexanone	0.00132 U				
4-Chlorotoluene	0.000265 U				
4-Isopropyltoluene	0.000265 U				
4-Methyl-2-Pentanone	0.000397 U				
Acetaldehyde	--				

Attachment C - Environmental Sampling Results For Location AR11

	Soil - mg/kg				
Chemical	Sample Results for: AR11SS0010006				
Acetone	0.00768 U				
Acetonitrile	--				
Acetophenone	--				
Acrolein	--				
Acrylonitrile	--				
Benzene	0.000397 U				
Bis(2-Chloroethyl)ether	--				
Bis(chloromethyl)ether	--				
Bromochloromethane	0.00053 U				
Bromodichloromethane	0.00053 U				
Bromoform	0.000265 U				
Bromomethane	0.00397 U				
Carbon Disulfide	--				
Carbon Tetrachloride	0.00053 U				
Chlorobenzene	0.000265 U				
Chloroethane	0.00053 U				
Chloroform	0.000927 U				
Chloromethane	0.00119 U				
Chloroprene	--				
cis-1,2-Dichloroethene	0.000927 U				
cis-1,3-Dichloropropene	0.000132 U				
Cyclohexane	--				
Dibromochloromethane	0.000132 U				
Dibromomethane	--				
Dichlorodifluoromethane (Freon 12)	--				
Ethylbenzene	0.000397 U				
Formaldehyde	--				
Hexane	--				
Isobutyl Alcohol	--				
Isophorone	--				
Isopropylbenzene	0.000265 U				
m,p-Xylenes	0.000795 U				
Methyl Acetate	--				
Methyl tert-Butyl Ether	0.000662 U				
Methylcyclohexane	--				
Methylene Chloride	0.00132 U				

Attachment C - Environmental Sampling Results For Location AR11

Chemical	Soil - mg/kg				
	Sample Results for: AR11SS0010006				
n-Butylbenzene	0.000265 U				
n-Propylbenzene	0.000397 U				
o-Xylene	0.000265 U				
Pentachloroethane	--				
sec-Butylbenzene	0.000265 U				
Styrene	0.000265 U				
tert-Butylbenzene	0.00053 U				
Tetrachloroethene	0.000795 U				
Toluene	0.000662 U				
trans-1,2-Dichloroethene	0.000795 U				
trans-1,3-Dichloropropene	0.000397 U				
Trans-1,4-Dichloro-2-Butene	--				
Trichloroethene	0.000662 U				
Trichlorofluoromethane	0.00106 UJ				
Vinyl Acetate	--				
Vinyl Chloride	0.00053 U				
Xylenes, Total	--				

-- = The chemical was not analyzed or no value was available.
Fecal Coliform, Fecal Steptococcus and Total Coliforms (including Fecal Coliform and E.Coli) are reported in CFU/100 mL.
Heterotrophic Plate Count is reported in CFU/1 mL.
Data Qualifiers:

Blank (i.e., no qualifier) = The chemical was detected.
> = The chemical was detected.
J = The chemical was detected but the concentration reported is an estimated value.
U = The chemical was not detected.
< = The chemical was not detected.

Attachment C - Environmental Sampling Results For Location AR11

Chemical	Soil Gas - mg/m3				
	Sample Results for: AR11SG0010018				
Alkane Hydrocarbon					
Octane	0.001253153 U				
Pentadecane	0.001071361 U				
Tridecane	0.001005251 U				
Undecane	0.001007079 U				
Anion					
Chloride	--				
Cyanide	--				
Fluoride	--				
Nitrate (measured as NO3-)	--				
Nitrite (measured as NO2-)	--				
Phosphate	--				
Sulfate	--				
Dioxins/Furans					
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	--				
Disinfectants					
Chlorine (as Cl2)	--				
Disinfection Byproducts					
Total Trihalomethanes	--				
Field Parameters					
Dissolved Oxygen	--				
Oxidation Reduction Potential	--				
pH	--				
Salinity	--				
Specific Conductance	--				
Temperature	--				
Total Dissolved Solids	--				
Total Solids	--				
Turbidity	--				
Inorganics					
Aluminum	--				
Antimony	--				
Arsenic	--				
Barium	--				
Beryllium	--				
Cadmium (Diet)	--				
Cadmium (Water)	--				

Attachment C - Environmental Sampling Results For Location AR11

	Soil Gas - mg/m3				
Chemical	Sample Results for: AR11SG0010018				
Chromium	--				
Cobalt	--				
Copper	--				
Iron	--				
Lead	--				
Manganese (Diet)	--				
Manganese (Water)	--				
Mercury	--				
Nickel	--				
Selenium	--				
Silver	--				
Thallium	--				
Tin	--				
Vanadium	--				
Zinc	--				
Microorganisms					
Fecal Coliform	--				
Fecal Streptococcus	--				
Heterotrophic Plate Count	--				
Total Coliforms (including Fecal Coliform and E. Coli)	--				
Pesticides					
4,4-DDD	--				
4,4-DDE	--				
4,4-DDT	--				
Aldrin	--				
alpha-BHC	--				
alpha-Chlordane	--				
beta-BHC	--				
Chlordane	--				
delta-BHC	--				
Dieldrin	--				
Endosulfan I	--				
Endosulfan II	--				
Endosulfan Sulfate	--				
Endrin	--				
Endrin Aldehyde	--				

Attachment C - Environmental Sampling Results For Location AR11

	Soil Gas - mg/m3				
Chemical	Sample Results for: AR11SG0010018				
gamma-BHC (Lindane)	--				
gamma-Chlordane	--				
Heptachlor	--				
Heptachlor Epoxide	--				
Methoxychlor	--				
Toxaphene	--				
Polychlorinated bi-phenyls					
Aroclor 1016	--				
Aroclor 1016/1260	--				
Aroclor 1221	--				
Aroclor 1232	--				
Aroclor 1242	--				
Aroclor 1248	--				
Aroclor 1254	--				
Aroclor 1260	--				
Radionuclides					
Uranium	--				
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	--				
1,2,4,5-Tetrachlorobenzene	--				
2,3,4,6-Tetrachlorophenol	--				
2,4,5-Trichlorophenol	--				
2,4,6-Trichlorophenol	--				
2,4-Dichlorophenol	--				
2,4-Dimethylphenol	--				
2,4-Dinitrophenol	--				
2,4-Dinitrotoluene	--				
2,6-Dichlorophenol	--				
2,6-Dinitrotoluene	--				
2-Chloronaphthalene	--				
2-Chlorophenol	--				
2-Methylnaphthalene	0.0009436 U				
2-Methylphenol (o-Cresol)	--				
2-Nitrophenol	--				
3&4-Methylphenol	--				
3-Methylphenol	--				
3-Nitroaniline	--				

Attachment C - Environmental Sampling Results For Location AR11

	Soil Gas - mg/m3				
Chemical	Sample Results for: AR11SG0010018				
4,6-Dinitro-2-Methylphenol	--				
4-Bromophenylphenylether	--				
4-Chloro-3-Methylphenol	--				
4-Chloroanaline	--				
4-Methylphenol (p-Cresol)	--				
4-Nitroaniline	--				
4-Nitrophenol	--				
Acenaphthene	0.001347673 U				
Acenaphthylene	0.003680355 U				
Aniline	--				
Anthracene	0.002090164 U				
Atrazine	--				
Benzo(g,h,i)perylene	--				
Bis(2-ethylhexyl)phthalate	--				
Butylbenzylphthalate	--				
Carbazole	--				
Di-n-butylphthalate	--				
Di-n-octylphthalate	--				
Dibenzofuran	--				
Diethylphthalate	--				
Dimethylphthalate	--				
Diphenylamine	--				
Fluoranthene	0.002090164 U				
Fluorene	0.002086228 U				
Hexachlorobenzene	--				
Hexachlorobutadiene	--				
Hexachlorocyclopentadiene	--				
Hexachloroethane	--				
Naphthalene	0.002138585 U				
Nitrobenzene	--				
o-Toluidine	--				
Pentachlorobenzene	--				
Pentachloronitrobenzene	--				
Pentachlorophenol	--				
Phenanthrene	0.002090164 U				
Phenol	--				

Chemical	Soil Gas - mg/m3				
	Sample Results for: AR11SG0010018				
Pyrene	0.002090164 U				
Total Carcinogenic PAHS (BaP TEQs)	--				
Total Petroleum Hydrocarbon					
Tph (c03-c20)	0.004703823				
Tph (c08-c40)	--				
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	0.000962858 U				
1,1,1-Trichloroethane	0.001786984 U				
1,1,2,2-Tetrachloroethane	0.002791239 U				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--				
1,1,2-Trichloroethane	0.00687281 U				
1,1-Dichloroethane	0.003956043 U				
1,1-Dichloroethene	0.005787206 U				
1,2,3-Trichlorobenzene	--				
1,2,3-Trichloropropane	--				
1,2,4-Trichlorobenzene	--				
1,2,4-Trimethylbenzene	0.001198904 U				
1,2-Dibromo-3-Chloropropane	--				
1,2-Dibromoethane	--				
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	--				
1,2-Dichlorobenzene	0.010181865 U				
1,2-Dichloroethane	0.000542267 U				
1,2-Dichloropropane	--				
1,3,5-Trimethylbenzene	0.000860297 U				
1,3-Butadiene	--				
1,3-Dichlorobenzene	0.001680145 U				
1,3-Dichloropropane	--				
1,4-Dichlorobenzene	0.001866344 U				
2,2-Dichloropropane	--				
2-Butanone (methyl ethyl ketone)	--				
2-Chlorotoluene	--				
2-Hexanone	--				
4-Chlorotoluene	--				
4-Isopropyltoluene	--				
4-Methyl-2-Pentanone	--				

Attachment C - Environmental Sampling Results For Location AR11

	Soil Gas - mg/m3				
Chemical	Sample Results for: AR11SG0010018				
Acetaldehyde	--				
Acetone	--				
Acetonitrile	--				
Acetophenone	--				
Acrolein	--				
Acrylonitrile	--				
Benzene	0.000642986 U				
Bis(2-Chloroethyl)ether	--				
Bis(chloromethyl)ether	--				
Bromochloromethane	--				
Bromodichloromethane	--				
Bromoform	--				
Bromomethane	--				
Carbon Disulfide	--				
Carbon Tetrachloride	0.003514017 U				
Chlorobenzene	0.00221646 U				
Chloroethane	--				
Chloroform	0.003393123 U				
Chloromethane	--				
Chloroprene	--				
cis-1,2-Dichloroethene	0.001600686 U				
cis-1,3-Dichloropropene	--				
Cyclohexane	--				
Dibromochloromethane	--				
Dibromomethane	--				
Dichlorodifluoromethane (Freon 12)	--				
Ethylbenzene	0.001481989 U				
Formaldehyde	--				
Hexane	--				
Isobutyl Alcohol	--				
Isophorone	--				
Isopropylbenzene	--				
m,p-Xylenes	0.001643796 U				
Methyl Acetate	--				
Methyl tert-Butyl Ether	0.001078881 U				
Methylcyclohexane	--				

Attachment C - Environmental Sampling Results For Location AR11

Chemical	Soil Gas - mg/m3				
	Sample Results for: AR11SG0010018				
Methylene Chloride	--				
n-Butylbenzene	--				
n-Propylbenzene	--				
o-Xylene	0.001322952 U				
Pentachloroethane	--				
sec-Butylbenzene	--				
Styrene	--				
tert-Butylbenzene	--				
Tetrachloroethene	0.00226079 U				
Toluene	0.000659774 U				
trans-1,2-Dichloroethene	0.001655093 U				
trans-1,3-Dichloropropene	--				
Trans-1,4-Dichloro-2-Butene	--				
Trichloroethene	0.000634021 U				
Trichlorofluoromethane	--				
Vinyl Acetate	--				
Vinyl Chloride	0.008176523 U				
Xylenes, Total	--				

-- = The chemical was not analyzed or no value was available.
Fecal Coliform, Fecal Steptococcus and Total Coliforms (including Fecal Coliform and E.Coli) are reported in CFU/100 mL.
Heterotrophic Plate Count is reported in CFU/1 mL.

Data Qualifiers:

Blank (i.e., no qualifier) = The chemical was detected.
> = The chemical was detected.
J = The chemical was detected but the concentration reported is an estimated value.
U = The chemical was not detected.
< = The chemical was not detected.

Attachment C - Environmental Sampling Results For Location AR11

Chemical	Tap Water - mg/L				
	Sample Results for: AR11TW001	Sample Results for: AR11TW002			
Alkane Hydrocarbon					
Octane	--	--			
Pentadecane	--	--			
Tridecane	--	--			
Undecane	--	--			
Anion					
Chloride	10.2	--			
Cyanide	0.004 U	--			
Fluoride	0.2 U	--			
Nitrate (measured as NO3-)	3.19	--			
Nitrite (measured as NO2-)	0.2 U	--			
Phosphate	0.4 U	--			
Sulfate	9.19	--			
Dioxins/Furans					
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.000000000039	--			
Disinfectants					
Chlorine (as Cl2)	0.01	--			
Disinfection Byproducts					
Total Trihalomethanes	0.00376	--			
Field Parameters					
Dissolved Oxygen	8.15	2.28			
Oxidation Reduction Potential	275	224			
pH	7.69	7.22			
Salinity	--	--			
Specific Conductance	0.76	0.83			
Temperature	24.6	27.19			
Total Dissolved Solids	--	--			
Total Solids	--	--			
Turbidity	9	42			
Inorganics					
Aluminum	0.0022 U	--			
Antimony	0.00154 J	--			
Arsenic	0.00404	--			
Barium	0.0264	--			
Beryllium	0.00003 U	--			
Cadmium (Diet)	--	--			
Cadmium (Water)	0.000489	--			

Attachment C - Environmental Sampling Results For Location AR11

Chemical	Tap Water - mg/L				
	Sample Results for: AR11TW001	Sample Results for: AR11TW002			
Chromium	0.000222	--			
Cobalt	0.00426	--			
Copper	0.215	--			
Iron	1.14 J	--			
Lead	0.0235 J	--			
Manganese (Diet)	--	--			
Manganese (Water)	0.189	--			
Mercury	0.000026	--			
Nickel	8.33 J	--			
Selenium	0.0002 U	--			
Silver	0.000164	--			
Thallium	0.000761 U	--			
Tin	0.000829	--			
Vanadium	0.001 U	--			
Zinc	6.45	--			
Microorganisms					
Fecal Coliform	1 <	1 <			
Fecal Streptococcus	0	0			
Heterotrophic Plate Count	690	1030			
Total Coliforms (including Fecal Coliform and E. Coli)	1 <	1 <			
Pesticides					
4,4-DDD	0.000003 U	--			
4,4-DDE	0.000002 U	--			
4,4-DDT	0.000006 U	--			
Aldrin	0.000002 U	--			
alpha-BHC	0.000003 U	--			
alpha-Chlordane	0.000003 U	--			
beta-BHC	0.000002 U	--			
Chlordane	--	--			
delta-BHC	0.000001 U	--			
Dieldrin	0.000003 U	--			
Endosulfan I	0.000003 U	--			
Endosulfan II	0.000002 U	--			
Endosulfan Sulfate	0.000007 U	--			
Endrin	0.000002 U	--			
Endrin Aldehyde	0.000002 U	--			

Attachment C - Environmental Sampling Results For Location AR11

Chemical	Tap Water - mg/L				
	Sample Results for: AR11TW001	Sample Results for: AR11TW002			
gamma-BHC (Lindane)	0.000001 U	--			
gamma-Chlordane	0.000002 U	--			
Heptachlor	0.000004 U	--			
Heptachlor Epoxide	0.000004 U	--			
Methoxychlor	0.000003 U	--			
Toxaphene	0.00001 U	--			
Polychlorinated bi-phenyls					
Aroclor 1016	0.00002 U	--			
Aroclor 1016/1260	0.00002 U	--			
Aroclor 1221	0.00002 U	--			
Aroclor 1232	0.00002 U	--			
Aroclor 1242	0.00002 U	--			
Aroclor 1248	0.00002 U	--			
Aroclor 1254	0.00002 U	--			
Aroclor 1260	0.00002 U	--			
Radionuclides					
Uranium	0.000908	--			
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	0.0002 U	--			
1,2,4,5-Tetrachlorobenzene	0.0002 U	--			
2,3,4,6-Tetrachlorophenol	0.0003 U	--			
2,4,5-Trichlorophenol	0.0005 U	--			
2,4,6-Trichlorophenol	0.0005 U	--			
2,4-Dichlorophenol	0.0007 U	--			
2,4-Dimethylphenol	0.001 U	--			
2,4-Dinitrophenol	0.0003 U	--			
2,4-Dinitrotoluene	0.001 U	--			
2,6-Dichlorophenol	0.0008 U	--			
2,6-Dinitrotoluene	0.0001 U	--			
2-Chloronaphthalene	0.0002 U	--			
2-Chlorophenol	0.0009 U	--			
2-Methylnaphthalene	0.0002 U	--			
2-Methylphenol (o-Cresol)	0.0007 U	--			
2-Nitrophenol	0.0009 U	--			
3&4-Methylphenol	0.0012 U	--			
3-Methylphenol	--	--			
3-Nitroaniline	0.001 U	--			

Attachment C - Environmental Sampling Results For Location AR11

Chemical	Tap Water - mg/L				
	Sample Results for: AR11TW001	Sample Results for: AR11TW002			
4,6-Dinitro-2-Methylphenol	0.0002 U	--			
4-Bromophenylphenylether	0.0001 U	--			
4-Chloro-3-Methylphenol	0.0006 U	--			
4-Chloroanaline	0.001 U	--			
4-Methylphenol (p-Cresol)	--	--			
4-Nitroaniline	0.001 U	--			
4-Nitrophenol	0.0003 U	--			
Acenaphthene	0.0001 U	--			
Acenaphthylene	0.0001 U	--			
Aniline	0.001 U	--			
Anthracene	0.0001 U	--			
Atrazine	0.0001 U	--			
Benzo(g,h,i)perylene	0.0001 U	--			
Bis(2-ethylhexyl)phthalate	0.0014 U	--			
Butylbenzylphthalate	0.0001 U	--			
Carbazole	0.0001 U	--			
Di-n-butylphthalate	0.0013 U	--			
Di-n-octylphthalate	0.0002 U	--			
Dibenzofuran	0.0001 U	--			
Diethylphthalate	0.0002 U	--			
Dimethylphthalate	0.0001 U	--			
Diphenylamine	0.0001 U	--			
Fluoranthene	0.0001 U	--			
Fluorene	0.0001 U	--			
Hexachlorobenzene	0.0001 U	--			
Hexachlorobutadiene	0.0002 U	--			
Hexachlorocyclopentadiene	0.001 U	--			
Hexachloroethane	0.0001 U	--			
Naphthalene	0.0002 U	--			
Nitrobenzene	0.0002 U	--			
o-Toluidine	0.0007 U	--			
Pentachlorobenzene	0.0002 U	--			
Pentachloronitrobenzene	0.000003 U	--			
Pentachlorophenol	0.0003 U	--			
Phenanthrene	0.0001 U	--			
Phenol	0.001 U	--			

Attachment C - Environmental Sampling Results For Location AR11

Chemical	Tap Water - mg/L				
	Sample Results for: AR11TW001	Sample Results for: AR11TW002			
Pyrene	0.0001 U	--			
Total Carcinogenic PAHS (BaP TEQs)	0.00012 U	--			
Total Petroleum Hydrocarbon					
Tph (c03-c20)	--	--			
Tph (c08-c40)	--	--			
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	0.00011 U	--			
1,1,1-Trichloroethane	0.00017 U	--			
1,1,2,2-Tetrachloroethane	0.00005 U	--			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0002 U	--			
1,1,2-Trichloroethane	0.00011 U	--			
1,1-Dichloroethane	0.0001 U	--			
1,1-Dichloroethene	0.00013 U	--			
1,2,3-Trichlorobenzene	0.00012 U	--			
1,2,3-Trichloropropane	0.00013 U	--			
1,2,4-Trichlorobenzene	0.00013 U	--			
1,2,4-Trimethylbenzene	0.00006 U	--			
1,2-Dibromo-3-Chloropropane	0.00025 U	--			
1,2-Dibromoethane	0.00009 U	--			
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	0.0004 U	--			
1,2-Dichlorobenzene	0.00007 U	--			
1,2-Dichloroethane	0.00008 U	--			
1,2-Dichloropropane	0.00015 U	--			
1,3,5-Trimethylbenzene	0.00008 U	--			
1,3-Butadiene	--	--			
1,3-Dichlorobenzene	0.00013 U	--			
1,3-Dichloropropane	0.00011 U	--			
1,4-Dichlorobenzene	0.00007 U	--			
2,2-Dichloropropane	0.0001 U	--			
2-Butanone (methyl ethyl ketone)	0.0016 U	--			
2-Chlorotoluene	0.00012 U	--			
2-Hexanone	0.0002 U	--			
4-Chlorotoluene	0.00013 U	--			
4-Isopropyltoluene	0.0001 U	--			
4-Methyl-2-Pentanone	0.0001 U	--			

Attachment C - Environmental Sampling Results For Location AR11

Chemical	Tap Water - mg/L				
	Sample Results for: AR11TW001	Sample Results for: AR11TW002			
Acetaldehyde	--	--			
Acetone	0.001 U	--			
Acetonitrile	--	--			
Acetophenone	--	--			
Acrolein	0.0004 U	--			
Acrylonitrile	--	--			
Benzene	0.00005 U	--			
Bis(2-Chloroethyl)ether	--	--			
Bis(chloromethyl)ether	--	--			
Bromochloromethane	0.0001 U	--			
Bromodichloromethane	0.000265 J	--			
Bromoform	0.0028 J	--			
Bromomethane	0.00037 U	--			
Carbon Disulfide	--	--			
Carbon Tetrachloride	0.00008 U	--			
Chlorobenzene	0.00012 U	--			
Chloroethane	0.00018 U	--			
Chloroform	0.000125 J	--			
Chloromethane	0.00021 U	--			
Chloroprene	--	--			
cis-1,2-Dichloroethene	0.00013 U	--			
cis-1,3-Dichloropropene	0.00015 U	--			
Cyclohexane	--	--			
Dibromochloromethane	0.00057	--			
Dibromomethane	--	--			
Dichlorodifluoromethane (Freon 12)	0.00012 U	--			
Ethylbenzene	0.00005 U	--			
Formaldehyde	--	--			
Hexane	--	--			
Isobutyl Alcohol	--	--			
Isophorone	--	--			
Isopropylbenzene	0.00006 U	--			
m,p-Xylenes	0.00009 U	--			
Methyl Acetate	--	--			
Methyl tert-Butyl Ether	0.00011 U	--			
Methylcyclohexane	--	--			

Attachment C - Environmental Sampling Results For Location AR11

Chemical	Tap Water - mg/L				
	Sample Results for: AR11TW001	Sample Results for: AR11TW002			
Methylene Chloride	0.00069 U	--			
n-Butylbenzene	0.00005 U	--			
n-Propylbenzene	0.00007 U	--			
o-Xylene	0.00007 U	--			
Pentachloroethane	--	--			
sec-Butylbenzene	0.00004 U	--			
Styrene	0.00008 U	--			
tert-Butylbenzene	0.00019 U	--			
Tetrachloroethene	0.00007 U	--			
Toluene	0.00017 U	--			
trans-1,2-Dichloroethene	0.00015 U	--			
trans-1,3-Dichloropropene	0.00007 U	--			
Trans-1,4-Dichloro-2-Butene	--	--			
Trichloroethene	0.00013 U	--			
Trichlorofluoromethane	0.00019 U	--			
Vinyl Acetate	--	--			
Vinyl Chloride	0.00015 U	--			
Xylenes, Total	--	--			

-- = The chemical was not analyzed or no value was available.
Fecal Coliform, Fecal Steptococcus and Total Coliforms (including Fecal Coliform and E.Coli) are reported in CFU/100 mL.
Heterotrophic Plate Count is reported in CFU/1 mL.

Data Qualifiers:

Blank (i.e., no qualifier) = The chemical was detected.
> = The chemical was detected.
J = The chemical was detected but the concentration reported is an estimated value.
U = The chemical was not detected.
< = The chemical was not detected.

Attachment C - Environmental Sampling Results For Location AR13

	Soil - mg/kg				
Chemical	Sample Results for: AR13SS0010006				
Alkane Hydrocarbon					
Octane	--				
Pentadecane	--				
Tridecane	--				
Undecane	--				
Anion					
Chloride	--				
Cyanide	0.013 U				
Fluoride	--				
Nitrate (measured as NO3-)	--				
Nitrite (measured as NO2-)	--				
Phosphate	--				
Sulfate	--				
Dioxins/Furans					
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.0000002524				
Disinfectants					
Chlorine (as Cl2)	--				
Disinfection Byproducts					
Total Trihalomethanes	--				
Field Parameters					
Dissolved Oxygen	--				
Oxidation Reduction Potential	--				
pH	--				
Salinity	--				
Specific Conductance	--				
Temperature	--				
Total Dissolved Solids	--				
Total Solids	86.2				
Turbidity	--				
Inorganics					
Aluminum	24000				
Antimony	0.364				
Arsenic	11.5				
Barium	171				
Beryllium	3.57				
Cadmium (Diet)	0.173				
Cadmium (Water)	--				

Attachment C - Environmental Sampling Results For Location AR13

Chemical	Soil - mg/kg				
	Sample Results for: AR13SS0010006				
Chromium	3.35				
Cobalt	3.13				
Copper	14.4				
Iron	12900				
Lead	22.3				
Manganese (Diet)	455				
Manganese (Water)	--				
Mercury	0.195 U				
Nickel	2.77				
Selenium	0.0902 U				
Silver	0.113 U				
Thallium	1.12				
Tin	1.96				
Vanadium	29.7				
Zinc	50.1				
Microorganisms					
Fecal Coliform	--				
Fecal Streptococcus	--				
Heterotrophic Plate Count	--				
Total Coliforms (including Fecal Coliform and E. Coli)	--				
Pesticides					
4,4-DDD	0.000462 UJ				
4,4-DDE	0.000453 UJ				
4,4-DDT	0.000607 UJ				
Aldrin	0.000368 UJ				
alpha-BHC	0.000453 UJ				
alpha-Chlordane	0.000368 UJ				
beta-BHC	0.000556 UJ				
Chlordane	--				
delta-BHC	0.000504 UJ				
Dieldrin	0.000513 UJ				
Endosulfan I	0.000462 UJ				
Endosulfan II	0.000368 UJ				
Endosulfan Sulfate	0.000521 UJ				
Endrin	0.00059 UJ				
Endrin Aldehyde	0.00053 UJ				

Attachment C - Environmental Sampling Results For Location AR13

Chemical	Soil - mg/kg				
	Sample Results for: AR13SS0010006				
gamma-BHC (Lindane)	0.000436 UJ				
gamma-Chlordane	0.000402 UJ				
Heptachlor	0.000521 UJ				
Heptachlor Epoxide	0.000402 UJ				
Methoxychlor	0.00065 UJ				
Toxaphene	0.00513 UJ				
Polychlorinated bi-phenyls					
Aroclor 1016	0.00598 UJ				
Aroclor 1016/1260	--				
Aroclor 1221	0.00598 UJ				
Aroclor 1232	0.00598 UJ				
Aroclor 1242	0.00598 UJ				
Aroclor 1248	0.00598 UJ				
Aroclor 1254	0.00598 UJ				
Aroclor 1260	0.00598 UJ				
Radionuclides					
Uranium	--				
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	0.0169 U				
1,2,4,5-Tetrachlorobenzene	0.0135 U				
2,3,4,6-Tetrachlorophenol	0.0799 U				
2,4,5-Trichlorophenol	0.138 U				
2,4,6-Trichlorophenol	0.0743 U				
2,4-Dichlorophenol	0.0867 U				
2,4-Dimethylphenol	0.167 U				
2,4-Dinitrophenol	0.0619 U				
2,4-Dinitrotoluene	0.0203 U				
2,6-Dichlorophenol	0.0529 U				
2,6-Dinitrotoluene	0.0169 U				
2-Chloronaphthalene	0.00901 U				
2-Chlorophenol	0.0563 U				
2-Methylnaphthalene	0.0191 U				
2-Methylphenol (o-Cresol)	0.113 U				
2-Nitrophenol	0.0709 U				
3&4-Methylphenol	0.129 U				
3-Methylphenol	--				
3-Nitroaniline	0.0203 U				

Attachment C - Environmental Sampling Results For Location AR13

	Soil - mg/kg				
Chemical	Sample Results for: AR13SS0010006				
4,6-Dinitro-2-Methylphenol	0.0754 U				
4-Bromophenylphenylether	0.0135 U				
4-Chloro-3-Methylphenol	0.0991 U				
4-Chloroanaline	0.0259 U				
4-Methylphenol (p-Cresol)	--				
4-Nitroaniline	0.0495 U				
4-Nitrophenol	0.133 U				
Acenaphthene	0.0113 U				
Acenaphthylene	0.0101 U				
Aniline	0.0225 U				
Anthracene	0.0135 U				
Atrazine	0.0293 U				
Benzo(g,h,i)perylene	0.0315 U				
Bis(2-ethylhexyl)phthalate	0.118 U				
Butylbenzylphthalate	0.0338 U				
Carbazole	0.0203 U				
Di-n-butylphthalate	0.0484 U				
Di-n-octylphthalate	0.0225 U				
Dibenzofuran	0.0113 U				
Diethylphthalate	0.0191 U				
Dimethylphthalate	0.0146 U				
Diphenylamine	0.0586 U				
Fluoranthene	0.0214 U				
Fluorene	0.0135 U				
Hexachlorobenzene	0.0124 U				
Hexachlorobutadiene	0.0113 U				
Hexachlorocyclopentadiene	0.0158 U				
Hexachloroethane	0.0124 U				
Naphthalene	0.00676 U				
Nitrobenzene	0.0169 U				
o-Toluidine	0.0203 U				
Pentachlorobenzene	0.0315 U				
Pentachloronitrobenzene	0.000427 UJ				
Pentachlorophenol	0.173 U				
Phenanthrene	0.0338 U				
Phenol	0.0383 U				

Chemical	Soil - mg/kg				
	Sample Results for: AR13SS0010006				
Pyrene	0.0203 U				
Total Carcinogenic PAHS (BaP TEQs)	0.0486176 U				
Total Petroleum Hydrocarbon					
Tph (c03-c20)	--				
Tph (c08-c40)	--				
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	0.000504 U				
1,1,1-Trichloroethane	0.000672 U				
1,1,2,2-Tetrachloroethane	0.000336 U				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.00118 U				
1,1,2-Trichloroethane	0.000504 U				
1,1-Dichloroethane	0.00118 U				
1,1-Dichloroethene	0.00084 U				
1,2,3-Trichlorobenzene	0.00084 U				
1,2,3-Trichloropropane	0.000504 U				
1,2,4-Trichlorobenzene	0.000504 U				
1,2,4-Trimethylbenzene	0.000672 U				
1,2-Dibromo-3-Chloropropane	0.000672 U				
1,2-Dibromoethane	0.000168 U				
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	0.00101 U				
1,2-Dichlorobenzene	0.000168 U				
1,2-Dichloroethane	0.000336 U				
1,2-Dichloropropane	0.000504 U				
1,3,5-Trimethylbenzene	0.000336 U				
1,3-Butadiene	--				
1,3-Dichlorobenzene	0.000336 U				
1,3-Dichloropropane	0.000336 U				
1,4-Dichlorobenzene	0.000168 U				
2,2-Dichloropropane	0.00084 U				
2-Butanone (methyl ethyl ketone)	0.00303 U				
2-Chlorotoluene	0.000504 U				
2-Hexanone	0.00168 UJ				
4-Chlorotoluene	0.000336 U				
4-Isopropyltoluene	0.000336 U				
4-Methyl-2-Pentanone	0.000504 U				
Acetaldehyde	--				

Attachment C - Environmental Sampling Results For Location AR13

	Soil - mg/kg				
Chemical	Sample Results for: AR13SS0010006				
Acetone	0.00975 U				
Acetonitrile	--				
Acetophenone	--				
Acrolein	--				
Acrylonitrile	--				
Benzene	0.000504 U				
Bis(2-Chloroethyl)ether	--				
Bis(chloromethyl)ether	--				
Bromochloromethane	0.000672 U				
Bromodichloromethane	0.000672 U				
Bromoform	0.000336 U				
Bromomethane	0.00504 U				
Carbon Disulfide	--				
Carbon Tetrachloride	0.000672 U				
Chlorobenzene	0.000336 U				
Chloroethane	0.000672 U				
Chloroform	0.00118 U				
Chloromethane	0.00151 U				
Chloroprene	--				
cis-1,2-Dichloroethene	0.00118 U				
cis-1,3-Dichloropropene	0.000168 U				
Cyclohexane	--				
Dibromochloromethane	0.000168 U				
Dibromomethane	--				
Dichlorodifluoromethane (Freon 12)	0.000504 U				
Ethylbenzene	0.000504 U				
Formaldehyde	--				
Hexane	--				
Isobutyl Alcohol	--				
Isophorone	--				
Isopropylbenzene	0.000336 U				
m,p-Xylenes	0.00101 U				
Methyl Acetate	--				
Methyl tert-Butyl Ether	0.00084 U				
Methylcyclohexane	--				
Methylene Chloride	0.00168 U				

Attachment C - Environmental Sampling Results For Location AR13

Chemical	Soil - mg/kg				
	Sample Results for: AR13SS0010006				
n-Butylbenzene	0.000336 U				
n-Propylbenzene	0.000504 U				
o-Xylene	0.000336 U				
Pentachloroethane	--				
sec-Butylbenzene	0.000336 U				
Styrene	0.000336 U				
tert-Butylbenzene	0.000672 U				
Tetrachloroethene	0.00101 U				
Toluene	0.00084 U				
trans-1,2-Dichloroethene	0.00101 U				
trans-1,3-Dichloropropene	0.000504 U				
Trans-1,4-Dichloro-2-Butene	--				
Trichloroethene	0.00084 U				
Trichlorofluoromethane	0.00134 U				
Vinyl Acetate	--				
Vinyl Chloride	0.000672 U				
Xylenes, Total	--				

-- = The chemical was not analyzed or no value was available.
Fecal Coliform, Fecal Steptococcus and Total Coliforms (including Fecal Coliform and E.Coli) are reported in CFU/100 mL.
Heterotrophic Plate Count is reported in CFU/1 mL.
Data Qualifiers:

Blank (i.e., no qualifier) = The chemical was detected.
> = The chemical was detected.
J = The chemical was detected but the concentration reported is an estimated value.
U = The chemical was not detected.
< = The chemical was not detected.

Attachment C - Environmental Sampling Results For Location AR13

Chemical	Soil Gas - mg/m3				
	Sample Results for: AR13SG0010018				
Alkane Hydrocarbon					
Octane	0.001253153 U				
Pentadecane	0.001071361 U				
Tridecane	0.001005251 U				
Undecane	0.001007079 U				
Anion					
Chloride	--				
Cyanide	--				
Fluoride	--				
Nitrate (measured as NO3-)	--				
Nitrite (measured as NO2-)	--				
Phosphate	--				
Sulfate	--				
Dioxins/Furans					
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	--				
Disinfectants					
Chlorine (as Cl2)	--				
Disinfection Byproducts					
Total Trihalomethanes	--				
Field Parameters					
Dissolved Oxygen	--				
Oxidation Reduction Potential	--				
pH	--				
Salinity	--				
Specific Conductance	--				
Temperature	--				
Total Dissolved Solids	--				
Total Solids	--				
Turbidity	--				
Inorganics					
Aluminum	--				
Antimony	--				
Arsenic	--				
Barium	--				
Beryllium	--				
Cadmium (Diet)	--				
Cadmium (Water)	--				

Attachment C - Environmental Sampling Results For Location AR13

	Soil Gas - mg/m3				
Chemical	Sample Results for: AR13SG0010018				
Chromium	--				
Cobalt	--				
Copper	--				
Iron	--				
Lead	--				
Manganese (Diet)	--				
Manganese (Water)	--				
Mercury	--				
Nickel	--				
Selenium	--				
Silver	--				
Thallium	--				
Tin	--				
Vanadium	--				
Zinc	--				
Microorganisms					
Fecal Coliform	--				
Fecal Streptococcus	--				
Heterotrophic Plate Count	--				
Total Coliforms (including Fecal Coliform and E. Coli)	--				
Pesticides					
4,4-DDD	--				
4,4-DDE	--				
4,4-DDT	--				
Aldrin	--				
alpha-BHC	--				
alpha-Chlordane	--				
beta-BHC	--				
Chlordane	--				
delta-BHC	--				
Dieldrin	--				
Endosulfan I	--				
Endosulfan II	--				
Endosulfan Sulfate	--				
Endrin	--				
Endrin Aldehyde	--				

Attachment C - Environmental Sampling Results For Location AR13

	Soil Gas - mg/m3				
Chemical	Sample Results for: AR13SG0010018				
gamma-BHC (Lindane)	--				
gamma-Chlordane	--				
Heptachlor	--				
Heptachlor Epoxide	--				
Methoxychlor	--				
Toxaphene	--				
Polychlorinated bi-phenyls					
Aroclor 1016	--				
Aroclor 1016/1260	--				
Aroclor 1221	--				
Aroclor 1232	--				
Aroclor 1242	--				
Aroclor 1248	--				
Aroclor 1254	--				
Aroclor 1260	--				
Radionuclides					
Uranium	--				
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	--				
1,2,4,5-Tetrachlorobenzene	--				
2,3,4,6-Tetrachlorophenol	--				
2,4,5-Trichlorophenol	--				
2,4,6-Trichlorophenol	--				
2,4-Dichlorophenol	--				
2,4-Dimethylphenol	--				
2,4-Dinitrophenol	--				
2,4-Dinitrotoluene	--				
2,6-Dichlorophenol	--				
2,6-Dinitrotoluene	--				
2-Chloronaphthalene	--				
2-Chlorophenol	--				
2-Methylnaphthalene	0.0009436 U				
2-Methylphenol (o-Cresol)	--				
2-Nitrophenol	--				
3&4-Methylphenol	--				
3-Methylphenol	--				
3-Nitroaniline	--				

Attachment C - Environmental Sampling Results For Location AR13

	Soil Gas - mg/m3				
Chemical	Sample Results for: AR13SG0010018				
4,6-Dinitro-2-Methylphenol	--				
4-Bromophenylphenylether	--				
4-Chloro-3-Methylphenol	--				
4-Chloroanaline	--				
4-Methylphenol (p-Cresol)	--				
4-Nitroaniline	--				
4-Nitrophenol	--				
Acenaphthene	0.001347673 U				
Acenaphthylene	0.003680355 U				
Aniline	--				
Anthracene	0.002090164 U				
Atrazine	--				
Benzo(g,h,i)perylene	--				
Bis(2-ethylhexyl)phthalate	--				
Butylbenzylphthalate	--				
Carbazole	--				
Di-n-butylphthalate	--				
Di-n-octylphthalate	--				
Dibenzofuran	--				
Diethylphthalate	--				
Dimethylphthalate	--				
Diphenylamine	--				
Fluoranthene	0.002090164 U				
Fluorene	0.002086228 U				
Hexachlorobenzene	--				
Hexachlorobutadiene	--				
Hexachlorocyclopentadiene	--				
Hexachloroethane	--				
Naphthalene	0.002138585 U				
Nitrobenzene	--				
o-Toluidine	--				
Pentachlorobenzene	--				
Pentachloronitrobenzene	--				
Pentachlorophenol	--				
Phenanthrene	0.002090164 U				
Phenol	--				

Attachment C - Environmental Sampling Results For Location AR13

Chemical	Soil Gas - mg/m3				
	Sample Results for: AR13SG0010018				
Pyrene	0.002090164 U				
Total Carcinogenic PAHS (BaP TEQs)	--				
Total Petroleum Hydrocarbon					
Tph (c03-c20)	1.783276626				
Tph (c08-c40)	--				
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	0.000962858 U				
1,1,1-Trichloroethane	0.001786984 U				
1,1,2,2-Tetrachloroethane	0.002791239 U				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--				
1,1,2-Trichloroethane	0.00687281 U				
1,1-Dichloroethane	0.003956043 U				
1,1-Dichloroethene	0.005787206 U				
1,2,3-Trichlorobenzene	--				
1,2,3-Trichloropropane	--				
1,2,4-Trichlorobenzene	--				
1,2,4-Trimethylbenzene	0.001198904 U				
1,2-Dibromo-3-Chloropropane	--				
1,2-Dibromoethane	--				
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	--				
1,2-Dichlorobenzene	0.010181865 U				
1,2-Dichloroethane	0.000542267 U				
1,2-Dichloropropane	--				
1,3,5-Trimethylbenzene	0.000860297 U				
1,3-Butadiene	--				
1,3-Dichlorobenzene	0.001680145 U				
1,3-Dichloropropane	--				
1,4-Dichlorobenzene	0.001866344 U				
2,2-Dichloropropane	--				
2-Butanone (methyl ethyl ketone)	--				
2-Chlorotoluene	--				
2-Hexanone	--				
4-Chlorotoluene	--				
4-Isopropyltoluene	--				
4-Methyl-2-Pentanone	--				

Attachment C - Environmental Sampling Results For Location AR13

	Soil Gas - mg/m3				
Chemical	Sample Results for: AR13SG0010018				
Acetaldehyde	--				
Acetone	--				
Acetonitrile	--				
Acetophenone	--				
Acrolein	--				
Acrylonitrile	--				
Benzene	0.000642986 U				
Bis(2-Chloroethyl)ether	--				
Bis(chloromethyl)ether	--				
Bromochloromethane	--				
Bromodichloromethane	--				
Bromoform	--				
Bromomethane	--				
Carbon Disulfide	--				
Carbon Tetrachloride	0.003514017 U				
Chlorobenzene	0.00221646 U				
Chloroethane	--				
Chloroform	0.003393123 U				
Chloromethane	--				
Chloroprene	--				
cis-1,2-Dichloroethene	0.001600686 U				
cis-1,3-Dichloropropene	--				
Cyclohexane	--				
Dibromochloromethane	--				
Dibromomethane	--				
Dichlorodifluoromethane (Freon 12)	--				
Ethylbenzene	0.001481989 U				
Formaldehyde	--				
Hexane	--				
Isobutyl Alcohol	--				
Isophorone	--				
Isopropylbenzene	--				
m,p-Xylenes	0.001643796 U				
Methyl Acetate	--				
Methyl tert-Butyl Ether	0.001078881 U				
Methylcyclohexane	--				

Attachment C - Environmental Sampling Results For Location AR13

Chemical	Soil Gas - mg/m3				
	Sample Results for: AR13SG0010018				
Methylene Chloride	--				
n-Butylbenzene	--				
n-Propylbenzene	--				
o-Xylene	0.001322952 U				
Pentachloroethane	--				
sec-Butylbenzene	--				
Styrene	--				
tert-Butylbenzene	--				
Tetrachloroethene	0.00226079 U				
Toluene	0.000659774 U				
trans-1,2-Dichloroethene	0.001655093 U				
trans-1,3-Dichloropropene	--				
Trans-1,4-Dichloro-2-Butene	--				
Trichloroethene	0.004016563				
Trichlorofluoromethane	--				
Vinyl Acetate	--				
Vinyl Chloride	0.008176523 U				
Xylenes, Total	--				

-- = The chemical was not analyzed or no value was available.
Fecal Coliform, Fecal Steptococcus and Total Coliforms (including Fecal Coliform and E.Coli) are reported in CFU/100 mL.
Heterotrophic Plate Count is reported in CFU/1 mL.

Data Qualifiers:

Blank (i.e., no qualifier) = The chemical was detected.
> = The chemical was detected.
J = The chemical was detected but the concentration reported is an estimated value.
U = The chemical was not detected.
< = The chemical was not detected.

Attachment C - Environmental Sampling Results For Location AR13

Chemical	Tap Water - mg/L				
	Sample Results for: AR13TW001				
Alkane Hydrocarbon					
Octane	--				
Pentadecane	--				
Tridecane	--				
Undecane	--				
Anion					
Chloride	9.26				
Cyanide	0.004 U				
Fluoride	0.2 U				
Nitrate (measured as NO3-)	2.99				
Nitrite (measured as NO2-)	0.2 U				
Phosphate	0.4 U				
Sulfate	6.75				
Dioxins/Furans					
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.0000000000563				
Disinfectants					
Chlorine (as Cl2)	0.08				
Disinfection Byproducts					
Total Trihalomethanes	0.001663				
Field Parameters					
Dissolved Oxygen	822				
Oxidation Reduction Potential	581				
pH	7.28				
Salinity	--				
Specific Conductance	0.67				
Temperature	27.2				
Total Dissolved Solids	--				
Total Solids	--				
Turbidity	--				
Inorganics					
Aluminum	0.0022 U				
Antimony	0.000155				
Arsenic	0.00193				
Barium	0.0139				
Beryllium	0.00003 U				
Cadmium (Diet)	--				
Cadmium (Water)	0.000154				

Attachment C - Environmental Sampling Results For Location AR13

Chemical	Tap Water - mg/L				
	Sample Results for: AR13TW001				
Chromium	0.000565				
Cobalt	0.0001				
Copper	0.416				
Iron	0.0469				
Lead	0.00527				
Manganese (Diet)	--				
Manganese (Water)	0.00338				
Mercury	0.000015 U				
Nickel	0.0418				
Selenium	0.0002 U				
Silver	0.00012 U				
Thallium	0.00004 U				
Tin	0.0001 U				
Vanadium	0.00163 U				
Zinc	1.57				
Microorganisms					
Fecal Coliform	1 <				
Fecal Streptococcus	0				
Heterotrophic Plate Count	2				
Total Coliforms (including Fecal Coliform and E. Coli)	1 <				
Pesticides					
4,4-DDD	0.000003 U				
4,4-DDE	0.000002 U				
4,4-DDT	0.000006 U				
Aldrin	0.000002 U				
alpha-BHC	0.000003 U				
alpha-Chlordane	0.000003 U				
beta-BHC	0.000002 U				
Chlordane	--				
delta-BHC	0.000001 U				
Dieldrin	0.000003 U				
Endosulfan I	0.000003 U				
Endosulfan II	0.000002 U				
Endosulfan Sulfate	0.000007 U				
Endrin	0.000002 U				
Endrin Aldehyde	0.000002 U				

Attachment C - Environmental Sampling Results For Location AR13

Chemical	Tap Water - mg/L				
	Sample Results for: AR13TW001				
gamma-BHC (Lindane)	0.000001 U				
gamma-Chlordane	0.000002 U				
Heptachlor	0.000004 U				
Heptachlor Epoxide	0.000004 U				
Methoxychlor	0.000003 U				
Toxaphene	0.00001 U				
Polychlorinated bi-phenyls					
Aroclor 1016	0.00002 U				
Aroclor 1016/1260	--				
Aroclor 1221	0.00002 U				
Aroclor 1232	0.00002 U				
Aroclor 1242	0.00002 U				
Aroclor 1248	0.00002 U				
Aroclor 1254	0.00002 U				
Aroclor 1260	0.00002 U				
Radionuclides					
Uranium	0.000452				
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	0.0002 U				
1,2,4,5-Tetrachlorobenzene	0.0002 U				
2,3,4,6-Tetrachlorophenol	0.0003 U				
2,4,5-Trichlorophenol	0.0005 U				
2,4,6-Trichlorophenol	0.0005 U				
2,4-Dichlorophenol	0.0007 U				
2,4-Dimethylphenol	0.001 U				
2,4-Dinitrophenol	0.0003 U				
2,4-Dinitrotoluene	0.001 U				
2,6-Dichlorophenol	0.0008 U				
2,6-Dinitrotoluene	0.0001 U				
2-Chloronaphthalene	0.0002 U				
2-Chlorophenol	0.0009 U				
2-Methylnaphthalene	0.0002 U				
2-Methylphenol (o-Cresol)	0.0007 U				
2-Nitrophenol	0.0009 U				
3&4-Methylphenol	0.0012 U				
3-Methylphenol	--				
3-Nitroaniline	0.001 U				

Attachment C - Environmental Sampling Results For Location AR13

Chemical	Tap Water - mg/L				
	Sample Results for: AR13TW001				
4,6-Dinitro-2-Methylphenol	0.0002 U				
4-Bromophenylphenylether	0.0001 U				
4-Chloro-3-Methylphenol	0.0006 U				
4-Chloroanaline	0.001 U				
4-Methylphenol (p-Cresol)	--				
4-Nitroaniline	0.001 U				
4-Nitrophenol	0.0003 U				
Acenaphthene	0.0001 U				
Acenaphthylene	0.0001 U				
Aniline	0.001 U				
Anthracene	0.0001 U				
Atrazine	0.0001 U				
Benzo(g,h,i)perylene	0.0001 U				
Bis(2-ethylhexyl)phthalate	0.0014 U				
Butylbenzylphthalate	0.0001 U				
Carbazole	0.0001 U				
Di-n-butylphthalate	0.0013 U				
Di-n-octylphthalate	0.0002 U				
Dibenzofuran	0.0001 U				
Diethylphthalate	0.0002 U				
Dimethylphthalate	0.0001 U				
Diphenylamine	0.0001 U				
Fluoranthene	0.0001 U				
Fluorene	0.0001 U				
Hexachlorobenzene	0.0001 U				
Hexachlorobutadiene	0.0002 U				
Hexachlorocyclopentadiene	0.001 U				
Hexachloroethane	0.0001 U				
Naphthalene	0.0002 U				
Nitrobenzene	0.0002 U				
o-Toluidine	0.0007 U				
Pentachlorobenzene	0.0002 U				
Pentachloronitrobenzene	0.000003 U				
Pentachlorophenol	0.0003 U				
Phenanthrene	0.0001 U				
Phenol	0.001 U				

Attachment C - Environmental Sampling Results For Location AR13

Chemical	Tap Water - mg/L				
	Sample Results for: AR13TW001				
Pyrene	0.0001 U				
Total Carcinogenic PAHS (BaP TEQs)	0.00012 U				
Total Petroleum Hydrocarbon					
Tph (c03-c20)	--				
Tph (c08-c40)	--				
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	0.00011 U				
1,1,1-Trichloroethane	0.00017 U				
1,1,2,2-Tetrachloroethane	0.00005 U				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0002 U				
1,1,2-Trichloroethane	0.00011 U				
1,1-Dichloroethane	0.0001 U				
1,1-Dichloroethene	0.00013 U				
1,2,3-Trichlorobenzene	0.00012 U				
1,2,3-Trichloropropane	0.00013 U				
1,2,4-Trichlorobenzene	0.00013 U				
1,2,4-Trimethylbenzene	0.00006 U				
1,2-Dibromo-3-Chloropropane	0.00025 U				
1,2-Dibromoethane	0.00009 U				
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	0.0004 U				
1,2-Dichlorobenzene	0.00007 U				
1,2-Dichloroethane	0.00008 U				
1,2-Dichloropropane	0.00015 U				
1,3,5-Trimethylbenzene	0.00008 U				
1,3-Butadiene	--				
1,3-Dichlorobenzene	0.00013 U				
1,3-Dichloropropane	0.00011 U				
1,4-Dichlorobenzene	0.00007 U				
2,2-Dichloropropane	0.0001 U				
2-Butanone (methyl ethyl ketone)	0.0016 U				
2-Chlorotoluene	0.00012 U				
2-Hexanone	0.0002 U				
4-Chlorotoluene	0.00013 U				
4-Isopropyltoluene	0.0001 U				
4-Methyl-2-Pentanone	0.0001 U				

Attachment C - Environmental Sampling Results For Location AR13

	Tap Water - mg/L				
Chemical	Sample Results for: AR13TW001				
Acetaldehyde	--				
Acetone	0.001 U				
Acetonitrile	--				
Acetophenone	--				
Acrolein	0.0004 U				
Acrylonitrile	--				
Benzene	0.00005 U				
Bis(2-Chloroethyl)ether	--				
Bis(chloromethyl)ether	--				
Bromochloromethane	0.0001 U				
Bromodichloromethane	0.000251 J				
Bromoform	0.000983 J				
Bromomethane	0.00037 U				
Carbon Disulfide	--				
Carbon Tetrachloride	0.00008 U				
Chlorobenzene	0.00012 U				
Chloroethane	0.00018 U				
Chloroform	0.00009 U				
Chloromethane	0.000279 J				
Chloroprene	--				
cis-1,2-Dichloroethene	0.00013 U				
cis-1,3-Dichloropropene	0.00015 U				
Cyclohexane	--				
Dibromochloromethane	0.000429 J				
Dibromomethane	--				
Dichlorodifluoromethane (Freon 12)	0.00012 U				
Ethylbenzene	0.00005 U				
Formaldehyde	--				
Hexane	--				
Isobutyl Alcohol	--				
Isophorone	--				
Isopropylbenzene	0.00006 U				
m,p-Xylenes	0.00009 U				
Methyl Acetate	--				
Methyl tert-Butyl Ether	0.00011 U				
Methylcyclohexane	--				

Attachment C - Environmental Sampling Results For Location AR13

Chemical	Tap Water - mg/L				
	Sample Results for: AR13TW001				
Methylene Chloride	0.00069 U				
n-Butylbenzene	0.00005 U				
n-Propylbenzene	0.00007 U				
o-Xylene	0.00007 U				
Pentachloroethane	--				
sec-Butylbenzene	0.00004 U				
Styrene	0.00008 U				
tert-Butylbenzene	0.00019 U				
Tetrachloroethene	0.00007 U				
Toluene	0.00017 U				
trans-1,2-Dichloroethene	0.00015 U				
trans-1,3-Dichloropropene	0.00007 U				
Trans-1,4-Dichloro-2-Butene	--				
Trichloroethene	0.00013 U				
Trichlorofluoromethane	0.00019 U				
Vinyl Acetate	--				
Vinyl Chloride	0.00015 U				
Xylenes, Total	--				

-- = The chemical was not analyzed or no value was available.
Fecal Coliform, Fecal Steptococcus and Total Coliforms (including Fecal Coliform and E.Coli) are reported in CFU/100 mL.
Heterotrophic Plate Count is reported in CFU/1 mL.

Data Qualifiers:

Blank (i.e., no qualifier) = The chemical was detected.
> = The chemical was detected.
J = The chemical was detected but the concentration reported is an estimated value.
U = The chemical was not detected.
< = The chemical was not detected.

Attachment C - Environmental Sampling Results For Location AR16

	Soil - mg/kg				
Chemical	Sample Results for: AR16SS0010006				
Alkane Hydrocarbon					
Octane	--				
Pentadecane	--				
Tridecane	--				
Undecane	--				
Anion					
Chloride	--				
Cyanide	0.0346 U				
Fluoride	--				
Nitrate (measured as NO3-)	--				
Nitrite (measured as NO2-)	--				
Phosphate	--				
Sulfate	--				
Dioxins/Furans					
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.0000005611				
Disinfectants					
Chlorine (as Cl2)	--				
Disinfection Byproducts					
Total Trihalomethanes	--				
Field Parameters					
Dissolved Oxygen	--				
Oxidation Reduction Potential	--				
pH	--				
Salinity	--				
Specific Conductance	--				
Temperature	--				
Total Dissolved Solids	--				
Total Solids	83.8				
Turbidity	--				
Inorganics					
Aluminum	35900				
Antimony	0.478				
Arsenic	12.9				
Barium	274				
Beryllium	4.73				
Cadmium (Diet)	0.219				
Cadmium (Water)	--				

Attachment C - Environmental Sampling Results For Location AR16

Chemical	Soil - mg/kg				
	Sample Results for: AR16SS0010006				
Chromium	3.83				
Cobalt	4.73				
Copper	24.6				
Iron	18600				
Lead	34.5				
Manganese (Diet)	615				
Manganese (Water)	--				
Mercury	0.226				
Nickel	4.71				
Selenium	0.0905 U				
Silver	0.113 U				
Thallium	1.5				
Tin	2.65				
Vanadium	38.5				
Zinc	68.5				
Microorganisms					
Fecal Coliform	--				
Fecal Streptococcus	--				
Heterotrophic Plate Count	--				
Total Coliforms (including Fecal Coliform and E. Coli)	--				
Pesticides					
4,4-DDD	0.000494 UJ				
4,4-DDE	0.000484 UJ				
4,4-DDT	0.000649 UJ				
Aldrin	0.000393 UJ				
alpha-BHC	0.000484 UJ				
alpha-Chlordane	0.000393 UJ				
beta-BHC	0.000594 UJ				
Chlordane	--				
delta-BHC	0.000539 UJ				
Dieldrin	0.000548 UJ				
Endosulfan I	0.000494 UJ				
Endosulfan II	0.000393 UJ				
Endosulfan Sulfate	0.000558 UJ				
Endrin	0.000631 UJ				
Endrin Aldehyde	0.000567 UJ				

Attachment C - Environmental Sampling Results For Location AR16

Chemical	Soil - mg/kg				
	Sample Results for: AR16SS0010006				
gamma-BHC (Lindane)	0.000466 UJ				
gamma-Chlordane	0.00043 UJ				
Heptachlor	0.000558 UJ				
Heptachlor Epoxide	0.00043 UJ				
Methoxychlor	0.000695 UJ				
Toxaphene	0.00548 UJ				
Polychlorinated bi-phenyls					
Aroclor 1016	0.0064 UJ				
Aroclor 1016/1260	--				
Aroclor 1221	0.0064 UJ				
Aroclor 1232	0.0064 UJ				
Aroclor 1242	0.0064 UJ				
Aroclor 1248	0.0064 UJ				
Aroclor 1254	0.0064 UJ				
Aroclor 1260	0.0064 UJ				
Radionuclides					
Uranium	--				
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	0.0173 U				
1,2,4,5-Tetrachlorobenzene	0.0139 U				
2,3,4,6-Tetrachlorophenol	0.0821 U				
2,4,5-Trichlorophenol	0.142 U				
2,4,6-Trichlorophenol	0.0763 U				
2,4-Dichlorophenol	0.0891 U				
2,4-Dimethylphenol	0.171 U				
2,4-Dinitrophenol	0.0636 U				
2,4-Dinitrotoluene	0.0208 U				
2,6-Dichlorophenol	0.0544 U				
2,6-Dinitrotoluene	0.0173 U				
2-Chloronaphthalene	0.00925 U				
2-Chlorophenol	0.0578 U				
2-Methylnaphthalene	0.0197 U				
2-Methylphenol (o-Cresol)	0.116 U				
2-Nitrophenol	0.0729 U				
3&4-Methylphenol	0.133 U				
3-Methylphenol	--				
3-Nitroaniline	0.0208 U				

Attachment C - Environmental Sampling Results For Location AR16

	Soil - mg/kg				
Chemical	Sample Results for: AR16SS0010006				
4,6-Dinitro-2-Methylphenol	0.0775 U				
4-Bromophenylphenylether	0.0139 U				
4-Chloro-3-Methylphenol	0.102 U				
4-Chloroanaline	0.0266 U				
4-Methylphenol (p-Cresol)	--				
4-Nitroaniline	0.0509 U				
4-Nitrophenol	0.136 U				
Acenaphthene	0.0116 U				
Acenaphthylene	0.0104 U				
Aniline	0.0231 U				
Anthracene	0.0139 U				
Atrazine	0.0301 U				
Benzo(g,h,i)perylene	0.0324 U				
Bis(2-ethylhexyl)phthalate	0.121 U				
Butylbenzylphthalate	0.0347 U				
Carbazole	0.0208 U				
Di-n-butylphthalate	0.0497 U				
Di-n-octylphthalate	0.0231 U				
Dibenzofuran	0.0116 U				
Diethylphthalate	0.0197 U				
Dimethylphthalate	0.015 U				
Diphenylamine	0.0601 U				
Fluoranthene	0.022 U				
Fluorene	0.0139 U				
Hexachlorobenzene	0.0127 U				
Hexachlorobutadiene	0.0116 U				
Hexachlorocyclopentadiene	0.0162 U				
Hexachloroethane	0.0127 U				
Naphthalene	0.00694 U				
Nitrobenzene	0.0173 U				
o-Toluidine	0.0208 U				
Pentachlorobenzene	0.0324 U				
Pentachloronitrobenzene	0.000457 UJ				
Pentachlorophenol	0.178 U				
Phenanthrene	0.0347 U				
Phenol	0.0393 U				

Chemical	Soil - mg/kg				
	Sample Results for: AR16SS0010006				
Pyrene	0.0208 U				
Total Carcinogenic PAHS (BaP TEQs)	0.049973 U				
Total Petroleum Hydrocarbon					
Tph (c03-c20)	--				
Tph (c08-c40)	--				
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	0.000595 U				
1,1,1-Trichloroethane	0.000793 U				
1,1,2,2-Tetrachloroethane	0.000397 U				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.00139 U				
1,1,2-Trichloroethane	0.000595 U				
1,1-Dichloroethane	0.00139 U				
1,1-Dichloroethene	0.000991 U				
1,2,3-Trichlorobenzene	0.000991 U				
1,2,3-Trichloropropane	0.000595 U				
1,2,4-Trichlorobenzene	0.000595 U				
1,2,4-Trimethylbenzene	0.000793 U				
1,2-Dibromo-3-Chloropropane	0.000793 U				
1,2-Dibromoethane	0.000198 U				
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	0.00119 U				
1,2-Dichlorobenzene	0.000198 U				
1,2-Dichloroethane	0.000397 U				
1,2-Dichloropropane	0.000595 U				
1,3,5-Trimethylbenzene	0.000397 U				
1,3-Butadiene	--				
1,3-Dichlorobenzene	0.000397 U				
1,3-Dichloropropane	0.000397 U				
1,4-Dichlorobenzene	0.000198 U				
2,2-Dichloropropane	0.000991 U				
2-Butanone (methyl ethyl ketone)	0.00357 U				
2-Chlorotoluene	0.000595 U				
2-Hexanone	0.00198 UJ				
4-Chlorotoluene	0.000397 U				
4-Isopropyltoluene	0.000397 U				
4-Methyl-2-Pentanone	0.000595 U				
Acetaldehyde	--				

Attachment C - Environmental Sampling Results For Location AR16

	Soil - mg/kg				
Chemical	Sample Results for: AR16SS0010006				
Acetone	0.0115 U				
Acetonitrile	--				
Acetophenone	--				
Acrolein	--				
Acrylonitrile	--				
Benzene	0.000595 U				
Bis(2-Chloroethyl)ether	--				
Bis(chloromethyl)ether	--				
Bromochloromethane	0.000793 U				
Bromodichloromethane	0.000793 U				
Bromoform	0.000397 U				
Bromomethane	0.00595 U				
Carbon Disulfide	--				
Carbon Tetrachloride	0.000793 U				
Chlorobenzene	0.000397 U				
Chloroethane	0.000793 U				
Chloroform	0.00139 U				
Chloromethane	0.00178 U				
Chloroprene	--				
cis-1,2-Dichloroethene	0.00139 U				
cis-1,3-Dichloropropene	0.000198 U				
Cyclohexane	--				
Dibromochloromethane	0.000198 U				
Dibromomethane	--				
Dichlorodifluoromethane (Freon 12)	0.000595 U				
Ethylbenzene	0.000595 U				
Formaldehyde	--				
Hexane	--				
Isobutyl Alcohol	--				
Isophorone	--				
Isopropylbenzene	0.000397 U				
m,p-Xylenes	0.00119 U				
Methyl Acetate	--				
Methyl tert-Butyl Ether	0.000991 U				
Methylcyclohexane	--				
Methylene Chloride	0.00198 U				

Attachment C - Environmental Sampling Results For Location AR16

Chemical	Soil - mg/kg				
	Sample Results for: AR16SS0010006				
n-Butylbenzene	0.000397 U				
n-Propylbenzene	0.000595 U				
o-Xylene	0.000397 U				
Pentachloroethane	--				
sec-Butylbenzene	0.000397 U				
Styrene	0.000397 U				
tert-Butylbenzene	0.000793 U				
Tetrachloroethene	0.00119 U				
Toluene	0.000991 U				
trans-1,2-Dichloroethene	0.00119 U				
trans-1,3-Dichloropropene	0.000595 U				
Trans-1,4-Dichloro-2-Butene	--				
Trichloroethene	0.000991 U				
Trichlorofluoromethane	0.00159 U				
Vinyl Acetate	--				
Vinyl Chloride	0.000793 U				
Xylenes, Total	--				

-- = The chemical was not analyzed or no value was available.
Fecal Coliform, Fecal Steptococcus and Total Coliforms (including Fecal Coliform and E.Coli) are reported in CFU/100 mL.
Heterotrophic Plate Count is reported in CFU/1 mL.
Data Qualifiers:

Blank (i.e., no qualifier) = The chemical was detected.
> = The chemical was detected.
J = The chemical was detected but the concentration reported is an estimated value.
U = The chemical was not detected.
< = The chemical was not detected.

Attachment C - Environmental Sampling Results For Location AR16

Chemical	Soil Gas - mg/m3				
	Sample Results for: AR16SG0010018				
Alkane Hydrocarbon					
Octane	0.001253153 U				
Pentadecane	0.001071361 U				
Tridecane	0.001005251 U				
Undecane	0.001007079 U				
Anion					
Chloride	--				
Cyanide	--				
Fluoride	--				
Nitrate (measured as NO3-)	--				
Nitrite (measured as NO2-)	--				
Phosphate	--				
Sulfate	--				
Dioxins/Furans					
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	--				
Disinfectants					
Chlorine (as Cl2)	--				
Disinfection Byproducts					
Total Trihalomethanes	--				
Field Parameters					
Dissolved Oxygen	--				
Oxidation Reduction Potential	--				
pH	--				
Salinity	--				
Specific Conductance	--				
Temperature	--				
Total Dissolved Solids	--				
Total Solids	--				
Turbidity	--				
Inorganics					
Aluminum	--				
Antimony	--				
Arsenic	--				
Barium	--				
Beryllium	--				
Cadmium (Diet)	--				
Cadmium (Water)	--				

Attachment C - Environmental Sampling Results For Location AR16

	Soil Gas - mg/m3				
Chemical	Sample Results for: AR16SG0010018				
Chromium	--				
Cobalt	--				
Copper	--				
Iron	--				
Lead	--				
Manganese (Diet)	--				
Manganese (Water)	--				
Mercury	--				
Nickel	--				
Selenium	--				
Silver	--				
Thallium	--				
Tin	--				
Vanadium	--				
Zinc	--				
Microorganisms					
Fecal Coliform	--				
Fecal Streptococcus	--				
Heterotrophic Plate Count	--				
Total Coliforms (including Fecal Coliform and E. Coli)	--				
Pesticides					
4,4-DDD	--				
4,4-DDE	--				
4,4-DDT	--				
Aldrin	--				
alpha-BHC	--				
alpha-Chlordane	--				
beta-BHC	--				
Chlordane	--				
delta-BHC	--				
Dieldrin	--				
Endosulfan I	--				
Endosulfan II	--				
Endosulfan Sulfate	--				
Endrin	--				
Endrin Aldehyde	--				

Attachment C - Environmental Sampling Results For Location AR16

	Soil Gas - mg/m3				
Chemical	Sample Results for: AR16SG0010018				
gamma-BHC (Lindane)	--				
gamma-Chlordane	--				
Heptachlor	--				
Heptachlor Epoxide	--				
Methoxychlor	--				
Toxaphene	--				
Polychlorinated bi-phenyls					
Aroclor 1016	--				
Aroclor 1016/1260	--				
Aroclor 1221	--				
Aroclor 1232	--				
Aroclor 1242	--				
Aroclor 1248	--				
Aroclor 1254	--				
Aroclor 1260	--				
Radionuclides					
Uranium	--				
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	--				
1,2,4,5-Tetrachlorobenzene	--				
2,3,4,6-Tetrachlorophenol	--				
2,4,5-Trichlorophenol	--				
2,4,6-Trichlorophenol	--				
2,4-Dichlorophenol	--				
2,4-Dimethylphenol	--				
2,4-Dinitrophenol	--				
2,4-Dinitrotoluene	--				
2,6-Dichlorophenol	--				
2,6-Dinitrotoluene	--				
2-Chloronaphthalene	--				
2-Chlorophenol	--				
2-Methylnaphthalene	0.0009436 U				
2-Methylphenol (o-Cresol)	--				
2-Nitrophenol	--				
3&4-Methylphenol	--				
3-Methylphenol	--				
3-Nitroaniline	--				

Attachment C - Environmental Sampling Results For Location AR16

	Soil Gas - mg/m3				
Chemical	Sample Results for: AR16SG0010018				
4,6-Dinitro-2-Methylphenol	--				
4-Bromophenylphenylether	--				
4-Chloro-3-Methylphenol	--				
4-Chloroanaline	--				
4-Methylphenol (p-Cresol)	--				
4-Nitroaniline	--				
4-Nitrophenol	--				
Acenaphthene	0.001347673 U				
Acenaphthylene	0.003680355 U				
Aniline	--				
Anthracene	0.002090164 U				
Atrazine	--				
Benzo(g,h,i)perylene	--				
Bis(2-ethylhexyl)phthalate	--				
Butylbenzylphthalate	--				
Carbazole	--				
Di-n-butylphthalate	--				
Di-n-octylphthalate	--				
Dibenzofuran	--				
Diethylphthalate	--				
Dimethylphthalate	--				
Diphenylamine	--				
Fluoranthene	0.002090164 U				
Fluorene	0.002086228 U				
Hexachlorobenzene	--				
Hexachlorobutadiene	--				
Hexachlorocyclopentadiene	--				
Hexachloroethane	--				
Naphthalene	0.002138585 U				
Nitrobenzene	--				
o-Toluidine	--				
Pentachlorobenzene	--				
Pentachloronitrobenzene	--				
Pentachlorophenol	--				
Phenanthrene	0.002090164 U				
Phenol	--				

Attachment C - Environmental Sampling Results For Location AR16

Chemical	Soil Gas - mg/m3				
	Sample Results for: AR16SG0010018				
Pyrene	0.002090164 U				
Total Carcinogenic PAHS (BaP TEQs)	--				
Total Petroleum Hydrocarbon					
Tph (c03-c20)	0.018022026				
Tph (c08-c40)	--				
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	0.000962858 U				
1,1,1-Trichloroethane	0.001786984 U				
1,1,2,2-Tetrachloroethane	0.002791239 U				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--				
1,1,2-Trichloroethane	0.00687281 U				
1,1-Dichloroethane	0.003956043 U				
1,1-Dichloroethene	0.005787206 U				
1,2,3-Trichlorobenzene	--				
1,2,3-Trichloropropane	--				
1,2,4-Trichlorobenzene	--				
1,2,4-Trimethylbenzene	0.001932723				
1,2-Dibromo-3-Chloropropane	--				
1,2-Dibromoethane	--				
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	--				
1,2-Dichlorobenzene	0.010181865 U				
1,2-Dichloroethane	0.000542267 U				
1,2-Dichloropropane	--				
1,3,5-Trimethylbenzene	0.000860297 U				
1,3-Butadiene	--				
1,3-Dichlorobenzene	0.001680145 U				
1,3-Dichloropropane	--				
1,4-Dichlorobenzene	0.001866344 U				
2,2-Dichloropropane	--				
2-Butanone (methyl ethyl ketone)	--				
2-Chlorotoluene	--				
2-Hexanone	--				
4-Chlorotoluene	--				
4-Isopropyltoluene	--				
4-Methyl-2-Pentanone	--				

Attachment C - Environmental Sampling Results For Location AR16

	Soil Gas - mg/m3				
Chemical	Sample Results for: AR16SG0010018				
Acetaldehyde	--				
Acetone	--				
Acetonitrile	--				
Acetophenone	--				
Acrolein	--				
Acrylonitrile	--				
Benzene	0.000642986 U				
Bis(2-Chloroethyl)ether	--				
Bis(chloromethyl)ether	--				
Bromochloromethane	--				
Bromodichloromethane	--				
Bromoform	--				
Bromomethane	--				
Carbon Disulfide	--				
Carbon Tetrachloride	0.003514017 U				
Chlorobenzene	0.00221646 U				
Chloroethane	--				
Chloroform	0.003393123 U				
Chloromethane	--				
Chloroprene	--				
cis-1,2-Dichloroethene	0.001600686 U				
cis-1,3-Dichloropropene	--				
Cyclohexane	--				
Dibromochloromethane	--				
Dibromomethane	--				
Dichlorodifluoromethane (Freon 12)	--				
Ethylbenzene	0.001481989 U				
Formaldehyde	--				
Hexane	--				
Isobutyl Alcohol	--				
Isophorone	--				
Isopropylbenzene	--				
m,p-Xylenes	0.001870534				
Methyl Acetate	--				
Methyl tert-Butyl Ether	0.001078881 U				
Methylcyclohexane	--				

Attachment C - Environmental Sampling Results For Location AR16

	Soil Gas - mg/m3				
Chemical	Sample Results for: AR16SG0010018				
Methylene Chloride	--				
n-Butylbenzene	--				
n-Propylbenzene	--				
o-Xylene	0.001322952 U				
Pentachloroethane	--				
sec-Butylbenzene	--				
Styrene	--				
tert-Butylbenzene	--				
Tetrachloroethene	0.00226079 U				
Toluene	0.000659774 U				
trans-1,2-Dichloroethene	0.001655093 U				
trans-1,3-Dichloropropene	--				
Trans-1,4-Dichloro-2-Butene	--				
Trichloroethene	0.000634021 U				
Trichlorofluoromethane	--				
Vinyl Acetate	--				
Vinyl Chloride	0.008176523 U				
Xylenes, Total	--				

-- = The chemical was not analyzed or no value was available.
Fecal Coliform, Fecal Steptococcus and Total Coliforms (including Fecal Coliform and E.Coli) are reported in CFU/100 mL.
Heterotrophic Plate Count is reported in CFU/1 mL.

Data Qualifiers:

Blank (i.e., no qualifier) = The chemical was detected.
> = The chemical was detected.
J = The chemical was detected but the concentration reported is an estimated value.
U = The chemical was not detected.
< = The chemical was not detected.

Attachment C - Environmental Sampling Results For Location AR16

Chemical	Tap Water - mg/L				
	Sample Results for: AR16TW001				
Alkane Hydrocarbon					
Octane	--				
Pentadecane	--				
Tridecane	--				
Undecane	--				
Anion					
Chloride	9.31				
Cyanide	0.004 U				
Fluoride	0.2 U				
Nitrate (measured as NO3-)	3.03				
Nitrite (measured as NO2-)	0.2 U				
Phosphate	0.4 U				
Sulfate	6.79				
Dioxins/Furans					
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.000000000038				
Disinfectants					
Chlorine (as Cl2)	0.04				
Disinfection Byproducts					
Total Trihalomethanes	0.0010492				
Field Parameters					
Dissolved Oxygen	8.41				
Oxidation Reduction Potential	573				
pH	7.28				
Salinity	--				
Specific Conductance	0.68				
Temperature	28				
Total Dissolved Solids	--				
Total Solids	--				
Turbidity	--				
Inorganics					
Aluminum	0.0142				
Antimony	0.00014 U				
Arsenic	0.00499				
Barium	0.0135				
Beryllium	0.00003 U				
Cadmium (Diet)	--				
Cadmium (Water)	0.00004 U				

Attachment C - Environmental Sampling Results For Location AR16

Chemical	Tap Water - mg/L				
	Sample Results for: AR16TW001				
Chromium	0.000779				
Cobalt	0.000114				
Copper	0.371				
Iron	0.54				
Lead	0.0284				
Manganese (Diet)	--				
Manganese (Water)	0.00892				
Mercury	0.000015 U				
Nickel	0.0402				
Selenium	0.0002 U				
Silver	0.00012 U				
Thallium	0.00004 U				
Tin	0.000483				
Vanadium	0.0024 U				
Zinc	1.25				
Microorganisms					
Fecal Coliform	1 <				
Fecal Streptococcus	0				
Heterotrophic Plate Count	21				
Total Coliforms (including Fecal Coliform and E. Coli)	1 <				
Pesticides					
4,4-DDD	0.000003 U				
4,4-DDE	0.000002 U				
4,4-DDT	0.000006 U				
Aldrin	0.000002 U				
alpha-BHC	0.000003 U				
alpha-Chlordane	0.000003 U				
beta-BHC	0.000002 U				
Chlordane	--				
delta-BHC	0.000001 U				
Dieldrin	0.000003 U				
Endosulfan I	0.000003 U				
Endosulfan II	0.000002 U				
Endosulfan Sulfate	0.000007 U				
Endrin	0.000002 U				
Endrin Aldehyde	0.000002 U				

Attachment C - Environmental Sampling Results For Location AR16

Chemical	Tap Water - mg/L				
	Sample Results for: AR16TW001				
gamma-BHC (Lindane)	0.000001 U				
gamma-Chlordane	0.000002 U				
Heptachlor	0.000004 U				
Heptachlor Epoxide	0.000004 U				
Methoxychlor	0.000003 U				
Toxaphene	0.00001 U				
Polychlorinated bi-phenyls					
Aroclor 1016	0.00002 U				
Aroclor 1016/1260	--				
Aroclor 1221	0.00002 U				
Aroclor 1232	0.00002 U				
Aroclor 1242	0.00002 U				
Aroclor 1248	0.00002 U				
Aroclor 1254	0.00002 U				
Aroclor 1260	0.00002 U				
Radionuclides					
Uranium	0.000807				
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	0.0002 U				
1,2,4,5-Tetrachlorobenzene	0.0002 U				
2,3,4,6-Tetrachlorophenol	0.0003 U				
2,4,5-Trichlorophenol	0.0005 U				
2,4,6-Trichlorophenol	0.0005 U				
2,4-Dichlorophenol	0.0007 U				
2,4-Dimethylphenol	0.001 U				
2,4-Dinitrophenol	0.0003 U				
2,4-Dinitrotoluene	0.001 U				
2,6-Dichlorophenol	0.0008 U				
2,6-Dinitrotoluene	0.0001 U				
2-Chloronaphthalene	0.0002 U				
2-Chlorophenol	0.0009 U				
2-Methylnaphthalene	0.000352 J				
2-Methylphenol (o-Cresol)	0.0007 U				
2-Nitrophenol	0.0009 U				
3&4-Methylphenol	0.0012 U				
3-Methylphenol	--				
3-Nitroaniline	0.001 U				

Attachment C - Environmental Sampling Results For Location AR16

Chemical	Tap Water - mg/L				
	Sample Results for: AR16TW001				
4,6-Dinitro-2-Methylphenol	0.0002 U				
4-Bromophenylphenylether	0.0001 U				
4-Chloro-3-Methylphenol	0.0006 U				
4-Chloroanaline	0.001 U				
4-Methylphenol (p-Cresol)	--				
4-Nitroaniline	0.001 U				
4-Nitrophenol	0.0003 U				
Acenaphthene	0.0001 U				
Acenaphthylene	0.0001 U				
Aniline	0.001 U				
Anthracene	0.0001 U				
Atrazine	0.0001 U				
Benzo(g,h,i)perylene	0.0001 U				
Bis(2-ethylhexyl)phthalate	0.0014 U				
Butylbenzylphthalate	0.0001 U				
Carbazole	0.0001 U				
Di-n-butylphthalate	0.0013 U				
Di-n-octylphthalate	0.0002 U				
Dibenzofuran	0.0001 U				
Diethylphthalate	0.0002 U				
Dimethylphthalate	0.0001 U				
Diphenylamine	0.0001 U				
Fluoranthene	0.0001 U				
Fluorene	0.0001 U				
Hexachlorobenzene	0.0001 U				
Hexachlorobutadiene	0.0002 U				
Hexachlorocyclopentadiene	0.001 U				
Hexachloroethane	0.0001 U				
Naphthalene	0.00673 J				
Nitrobenzene	0.0002 U				
o-Toluidine	0.0007 U				
Pentachlorobenzene	0.0002 U				
Pentachloronitrobenzene	0.000003 U				
Pentachlorophenol	0.0003 U				
Phenanthrene	0.0001 U				
Phenol	0.001 U				

Attachment C - Environmental Sampling Results For Location AR16

Chemical	Tap Water - mg/L				
	Sample Results for: AR16TW001				
Pyrene	0.0001 U				
Total Carcinogenic PAHS (BaP TEQs)	0.00012 U				
Total Petroleum Hydrocarbon					
Tph (c03-c20)	--				
Tph (c08-c40)	--				
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	0.00011 U				
1,1,1-Trichloroethane	0.00017 U				
1,1,2,2-Tetrachloroethane	0.00005 U				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0002 U				
1,1,2-Trichloroethane	0.00011 U				
1,1-Dichloroethane	0.0001 U				
1,1-Dichloroethene	0.00013 U				
1,2,3-Trichlorobenzene	0.00012 U				
1,2,3-Trichloropropane	0.00013 U				
1,2,4-Trichlorobenzene	0.00013 U				
1,2,4-Trimethylbenzene	0.000137 J				
1,2-Dibromo-3-Chloropropane	0.00025 U				
1,2-Dibromoethane	0.00009 U				
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	0.0004 U				
1,2-Dichlorobenzene	0.00007 U				
1,2-Dichloroethane	0.00008 U				
1,2-Dichloropropane	0.00015 U				
1,3,5-Trimethylbenzene	0.00008 U				
1,3-Butadiene	--				
1,3-Dichlorobenzene	0.00013 U				
1,3-Dichloropropane	0.00011 U				
1,4-Dichlorobenzene	0.00007 U				
2,2-Dichloropropane	0.0001 U				
2-Butanone (methyl ethyl ketone)	0.0016 U				
2-Chlorotoluene	0.00012 U				
2-Hexanone	0.0002 U				
4-Chlorotoluene	0.00013 U				
4-Isopropyltoluene	0.0001 U				
4-Methyl-2-Pentanone	0.0001 U				

Attachment C - Environmental Sampling Results For Location AR16

	Tap Water - mg/L				
Chemical	Sample Results for: AR16TW001				
Acetaldehyde	--				
Acetone	0.00122 J				
Acetonitrile	--				
Acetophenone	--				
Acrolein	0.0004 U				
Acrylonitrile	--				
Benzene	0.00005 U				
Bis(2-Chloroethyl)ether	--				
Bis(chloromethyl)ether	--				
Bromochloromethane	0.0001 U				
Bromodichloromethane	0.000157 J				
Bromoform	0.00051 J				
Bromomethane	0.00037 U				
Carbon Disulfide	--				
Carbon Tetrachloride	0.00008 U				
Chlorobenzene	0.00012 U				
Chloroethane	0.00018 U				
Chloroform	0.0000962 J				
Chloromethane	0.000251 J				
Chloroprene	--				
cis-1,2-Dichloroethene	0.00013 U				
cis-1,3-Dichloropropene	0.00015 U				
Cyclohexane	--				
Dibromochloromethane	0.000286 J				
Dibromomethane	--				
Dichlorodifluoromethane (Freon 12)	0.00012 U				
Ethylbenzene	0.00005 U				
Formaldehyde	--				
Hexane	--				
Isobutyl Alcohol	--				
Isophorone	--				
Isopropylbenzene	0.00006 U				
m,p-Xylenes	0.00009 U				
Methyl Acetate	--				
Methyl tert-Butyl Ether	0.00011 U				
Methylcyclohexane	--				

Attachment C - Environmental Sampling Results For Location AR16

Chemical	Tap Water - mg/L				
	Sample Results for: AR16TW001				
Methylene Chloride	0.00069 U				
n-Butylbenzene	0.000176 J				
n-Propylbenzene	0.00007 U				
o-Xylene	0.00007 U				
Pentachloroethane	--				
sec-Butylbenzene	0.00004 U				
Styrene	0.00008 U				
tert-Butylbenzene	0.00019 U				
Tetrachloroethene	0.00007 U				
Toluene	0.00017 U				
trans-1,2-Dichloroethene	0.00015 U				
trans-1,3-Dichloropropene	0.00007 U				
Trans-1,4-Dichloro-2-Butene	--				
Trichloroethene	0.00013 U				
Trichlorofluoromethane	0.00019 U				
Vinyl Acetate	--				
Vinyl Chloride	0.00015 U				
Xylenes, Total	--				

-- = The chemical was not analyzed or no value was available.
Fecal Coliform, Fecal Steptococcus and Total Coliforms (including Fecal Coliform and E.Coli) are reported in CFU/100 mL.
Heterotrophic Plate Count is reported in CFU/1 mL.

Data Qualifiers:

Blank (i.e., no qualifier) = The chemical was detected.
> = The chemical was detected.
J = The chemical was detected but the concentration reported is an estimated value.
U = The chemical was not detected.
< = The chemical was not detected.

Attachment C - Environmental Sampling Results For Location AR21

Chemical	Soil - mg/kg				
	Sample Results for: AR21SS0010006				
Alkane Hydrocarbon					
Octane	--				
Pentadecane	--				
Tridecane	--				
Undecane	--				
Anion					
Chloride	--				
Cyanide	0.0318 U				
Fluoride	--				
Nitrate (measured as NO3-)	--				
Nitrite (measured as NO2-)	--				
Phosphate	--				
Sulfate	--				
Dioxins/Furans					
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.00000062617				
Disinfectants					
Chlorine (as Cl2)	--				
Disinfection Byproducts					
Total Trihalomethanes	--				
Field Parameters					
Dissolved Oxygen	--				
Oxidation Reduction Potential	--				
pH	--				
Salinity	--				
Specific Conductance	--				
Temperature	--				
Total Dissolved Solids	--				
Total Solids	86.5				
Turbidity	--				
Inorganics					
Aluminum	36600				
Antimony	0.488				
Arsenic	12.9				
Barium	288				
Beryllium	4.56				
Cadmium (Diet)	0.226				
Cadmium (Water)	--				

Attachment C - Environmental Sampling Results For Location AR21

	Soil - mg/kg				
Chemical	Sample Results for: AR21SS0010006				
Chromium	9.710000000000001				
Cobalt	4.72				
Copper	31.7				
Iron	18600				
Lead	38.8				
Manganese (Diet)	622				
Manganese (Water)	--				
Mercury	0.19 U				
Nickel	4.44				
Selenium	0.112 U				
Silver	3.2				
Thallium	1.53				
Tin	2.81				
Vanadium	38.9				
Zinc	60.8				
Microorganisms					
Fecal Coliform	--				
Fecal Streptococcus	--				
Heterotrophic Plate Count	--				
Total Coliforms (including Fecal Coliform and E. Coli)	--				
Pesticides					
4,4-DDD	0.000471 UJ				
4,4-DDE	0.000462 UJ				
4,4-DDT	0.00062 UJ				
Aldrin	0.000375 UJ				
alpha-BHC	0.000462 UJ				
alpha-Chlordane	0.000375 UJ				
beta-BHC	0.000567 UJ				
Chlordane	--				
delta-BHC	0.000515 UJ				
Dieldrin	0.000524 UJ				
Endosulfan I	0.000471 UJ				
Endosulfan II	0.000375 UJ				
Endosulfan Sulfate	0.000532 UJ				
Endrin	0.000602 UJ				
Endrin Aldehyde	0.000541 UJ				

Attachment C - Environmental Sampling Results For Location AR21

Chemical	Soil - mg/kg				
	Sample Results for: AR21SS0010006				
gamma-BHC (Lindane)	0.000445 UJ				
gamma-Chlordane	0.00041 UJ				
Heptachlor	0.000532 UJ				
Heptachlor Epoxide	0.00041 UJ				
Methoxychlor	0.000663 UJ				
Toxaphene	0.00524 UJ				
Polychlorinated bi-phenyls					
Aroclor 1016	0.00611 UJ				
Aroclor 1016/1260	--				
Aroclor 1221	0.00611 UJ				
Aroclor 1232	0.00611 UJ				
Aroclor 1242	0.00611 UJ				
Aroclor 1248	0.00611 UJ				
Aroclor 1254	0.00611 UJ				
Aroclor 1260	0.00611 UJ				
Radionuclides					
Uranium	--				
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	0.0169 U				
1,2,4,5-Tetrachlorobenzene	0.0136 U				
2,3,4,6-Tetrachlorophenol	0.0802 U				
2,4,5-Trichlorophenol	0.139 U				
2,4,6-Trichlorophenol	0.0745 U				
2,4-Dichlorophenol	0.087 U				
2,4-Dimethylphenol	0.167 U				
2,4-Dinitrophenol	0.0621 U				
2,4-Dinitrotoluene	0.0203 U				
2,6-Dichlorophenol	0.0531 U				
2,6-Dinitrotoluene	0.0169 U				
2-Chloronaphthalene	0.00904 U				
2-Chlorophenol	0.0565 U				
2-Methylnaphthalene	0.0192 U				
2-Methylphenol (o-Cresol)	0.113 U				
2-Nitrophenol	0.0712 U				
3&4-Methylphenol	0.13 U				
3-Methylphenol	--				
3-Nitroaniline	0.0203 U				

Attachment C - Environmental Sampling Results For Location AR21

	Soil - mg/kg				
Chemical	Sample Results for: AR21SS0010006				
4,6-Dinitro-2-Methylphenol	0.0757 U				
4-Bromophenylphenylether	0.0136 U				
4-Chloro-3-Methylphenol	0.0994 U				
4-Chloroanaline	0.026 U				
4-Methylphenol (p-Cresol)	--				
4-Nitroaniline	0.0497 U				
4-Nitrophenol	0.133 U				
Acenaphthene	0.0113 U				
Acenaphthylene	0.0102 U				
Aniline	0.0226 U				
Anthracene	0.0136 U				
Atrazine	0.0294 U				
Benzo(g,h,i)perylene	0.0316 U				
Bis(2-ethylhexyl)phthalate	0.119 U				
Butylbenzylphthalate	0.0339 U				
Carbazole	0.0203 U				
Di-n-butylphthalate	0.0486 U				
Di-n-octylphthalate	0.0226 U				
Dibenzofuran	0.0113 U				
Diethylphthalate	0.0192 U				
Dimethylphthalate	0.0147 U				
Diphenylamine	0.0587 U				
Fluoranthene	0.0215 U				
Fluorene	0.0136 U				
Hexachlorobenzene	0.0124 U				
Hexachlorobutadiene	0.0113 U				
Hexachlorocyclopentadiene	0.0158 U				
Hexachloroethane	0.0124 U				
Naphthalene	0.00678 U				
Nitrobenzene	0.0169 U				
o-Toluidine	0.0203 U				
Pentachlorobenzene	0.0316 U				
Pentachloronitrobenzene	0.000436 UJ				
Pentachlorophenol	0.174 U				
Phenanthrene	0.0339 U				
Phenol	0.0384 U				

Chemical	Soil - mg/kg				
	Sample Results for: AR21SS0010006				
Pyrene	0.0203 U				
Total Carcinogenic PAHS (BaP TEQs)	0.0487577 U				
Total Petroleum Hydrocarbon					
Tph (c03-c20)	--				
Tph (c08-c40)	--				
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	0.000553 U				
1,1,1-Trichloroethane	0.000737 U				
1,1,2,2-Tetrachloroethane	0.000368 U				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.00129 U				
1,1,2-Trichloroethane	0.000553 U				
1,1-Dichloroethane	0.00129 U				
1,1-Dichloroethene	0.000921 U				
1,2,3-Trichlorobenzene	0.000921 U				
1,2,3-Trichloropropane	0.000553 U				
1,2,4-Trichlorobenzene	0.000553 U				
1,2,4-Trimethylbenzene	0.000737 U				
1,2-Dibromo-3-Chloropropane	0.000737 U				
1,2-Dibromoethane	0.000184 U				
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	0.00111 U				
1,2-Dichlorobenzene	0.000184 U				
1,2-Dichloroethane	0.000368 U				
1,2-Dichloropropane	0.000553 U				
1,3,5-Trimethylbenzene	0.000368 U				
1,3-Butadiene	--				
1,3-Dichlorobenzene	0.000368 U				
1,3-Dichloropropane	0.000368 U				
1,4-Dichlorobenzene	0.000184 U				
2,2-Dichloropropane	0.000921 U				
2-Butanone (methyl ethyl ketone)	0.00332 U				
2-Chlorotoluene	0.000553 U				
2-Hexanone	0.00184 UJ				
4-Chlorotoluene	0.000368 U				
4-Isopropyltoluene	0.000368 U				
4-Methyl-2-Pentanone	0.000553 U				
Acetaldehyde	--				

Attachment C - Environmental Sampling Results For Location AR21

	Soil - mg/kg				
Chemical	Sample Results for: AR21SS0010006				
Acetone	0.0107 U				
Acetonitrile	--				
Acetophenone	--				
Acrolein	--				
Acrylonitrile	--				
Benzene	0.000553 U				
Bis(2-Chloroethyl)ether	--				
Bis(chloromethyl)ether	--				
Bromochloromethane	0.000737 U				
Bromodichloromethane	0.000737 U				
Bromoform	0.000368 U				
Bromomethane	0.00553 U				
Carbon Disulfide	--				
Carbon Tetrachloride	0.000737 U				
Chlorobenzene	0.000368 U				
Chloroethane	0.000737 U				
Chloroform	0.00129 U				
Chloromethane	0.00166 U				
Chloroprene	--				
cis-1,2-Dichloroethene	0.00129 U				
cis-1,3-Dichloropropene	0.000184 U				
Cyclohexane	--				
Dibromochloromethane	0.000184 U				
Dibromomethane	--				
Dichlorodifluoromethane (Freon 12)	0.000553 U				
Ethylbenzene	0.000553 U				
Formaldehyde	--				
Hexane	--				
Isobutyl Alcohol	--				
Isophorone	--				
Isopropylbenzene	0.000368 U				
m,p-Xylenes	0.00111 U				
Methyl Acetate	--				
Methyl tert-Butyl Ether	0.000921 U				
Methylcyclohexane	--				
Methylene Chloride	0.00184 U				

Attachment C - Environmental Sampling Results For Location AR21

Chemical	Soil - mg/kg				
	Sample Results for: AR21SS0010006				
n-Butylbenzene	0.000368 U				
n-Propylbenzene	0.000553 U				
o-Xylene	0.000368 U				
Pentachloroethane	--				
sec-Butylbenzene	0.000368 U				
Styrene	0.000368 U				
tert-Butylbenzene	0.000737 U				
Tetrachloroethene	0.00111 U				
Toluene	0.00296 J				
trans-1,2-Dichloroethene	0.00111 U				
trans-1,3-Dichloropropene	0.000553 U				
Trans-1,4-Dichloro-2-Butene	--				
Trichloroethene	0.000921 U				
Trichlorofluoromethane	0.00147 U				
Vinyl Acetate	--				
Vinyl Chloride	0.000737 U				
Xylenes, Total	--				

-- = The chemical was not analyzed or no value was available.
Fecal Coliform, Fecal Steptococcus and Total Coliforms (including Fecal Coliform and E.Coli) are reported in CFU/100 mL.
Heterotrophic Plate Count is reported in CFU/1 mL.
Data Qualifiers:

Blank (i.e., no qualifier) = The chemical was detected.
> = The chemical was detected.
J = The chemical was detected but the concentration reported is an estimated value.
U = The chemical was not detected.
< = The chemical was not detected.

Attachment C - Environmental Sampling Results For Location AR21

Chemical	Soil Gas - mg/m3				
	Sample Results for: AR21SG0010018				
Alkane Hydrocarbon					
Octane	0.001253153 U				
Pentadecane	0.001071361 U				
Tridecane	0.001005251 U				
Undecane	0.001007079 U				
Anion					
Chloride	--				
Cyanide	--				
Fluoride	--				
Nitrate (measured as NO3-)	--				
Nitrite (measured as NO2-)	--				
Phosphate	--				
Sulfate	--				
Dioxins/Furans					
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	--				
Disinfectants					
Chlorine (as Cl2)	--				
Disinfection Byproducts					
Total Trihalomethanes	--				
Field Parameters					
Dissolved Oxygen	--				
Oxidation Reduction Potential	--				
pH	--				
Salinity	--				
Specific Conductance	--				
Temperature	--				
Total Dissolved Solids	--				
Total Solids	--				
Turbidity	--				
Inorganics					
Aluminum	--				
Antimony	--				
Arsenic	--				
Barium	--				
Beryllium	--				
Cadmium (Diet)	--				
Cadmium (Water)	--				

Attachment C - Environmental Sampling Results For Location AR21

	Soil Gas - mg/m3				
Chemical	Sample Results for: AR21SG0010018				
Chromium	--				
Cobalt	--				
Copper	--				
Iron	--				
Lead	--				
Manganese (Diet)	--				
Manganese (Water)	--				
Mercury	--				
Nickel	--				
Selenium	--				
Silver	--				
Thallium	--				
Tin	--				
Vanadium	--				
Zinc	--				
Microorganisms					
Fecal Coliform	--				
Fecal Streptococcus	--				
Heterotrophic Plate Count	--				
Total Coliforms (including Fecal Coliform and E. Coli)	--				
Pesticides					
4,4-DDD	--				
4,4-DDE	--				
4,4-DDT	--				
Aldrin	--				
alpha-BHC	--				
alpha-Chlordane	--				
beta-BHC	--				
Chlordane	--				
delta-BHC	--				
Dieldrin	--				
Endosulfan I	--				
Endosulfan II	--				
Endosulfan Sulfate	--				
Endrin	--				
Endrin Aldehyde	--				

Attachment C - Environmental Sampling Results For Location AR21

	Soil Gas - mg/m3				
Chemical	Sample Results for: AR21SG0010018				
gamma-BHC (Lindane)	--				
gamma-Chlordane	--				
Heptachlor	--				
Heptachlor Epoxide	--				
Methoxychlor	--				
Toxaphene	--				
Polychlorinated bi-phenyls					
Aroclor 1016	--				
Aroclor 1016/1260	--				
Aroclor 1221	--				
Aroclor 1232	--				
Aroclor 1242	--				
Aroclor 1248	--				
Aroclor 1254	--				
Aroclor 1260	--				
Radionuclides					
Uranium	--				
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	--				
1,2,4,5-Tetrachlorobenzene	--				
2,3,4,6-Tetrachlorophenol	--				
2,4,5-Trichlorophenol	--				
2,4,6-Trichlorophenol	--				
2,4-Dichlorophenol	--				
2,4-Dimethylphenol	--				
2,4-Dinitrophenol	--				
2,4-Dinitrotoluene	--				
2,6-Dichlorophenol	--				
2,6-Dinitrotoluene	--				
2-Chloronaphthalene	--				
2-Chlorophenol	--				
2-Methylnaphthalene	0.0009436 U				
2-Methylphenol (o-Cresol)	--				
2-Nitrophenol	--				
3&4-Methylphenol	--				
3-Methylphenol	--				
3-Nitroaniline	--				

Attachment C - Environmental Sampling Results For Location AR21

	Soil Gas - mg/m3				
Chemical	Sample Results for: AR21SG0010018				
4,6-Dinitro-2-Methylphenol	--				
4-Bromophenylphenylether	--				
4-Chloro-3-Methylphenol	--				
4-Chloroanaline	--				
4-Methylphenol (p-Cresol)	--				
4-Nitroaniline	--				
4-Nitrophenol	--				
Acenaphthene	0.001347673 U				
Acenaphthylene	0.003680355 U				
Aniline	--				
Anthracene	0.002090164 U				
Atrazine	--				
Benzo(g,h,i)perylene	--				
Bis(2-ethylhexyl)phthalate	--				
Butylbenzylphthalate	--				
Carbazole	--				
Di-n-butylphthalate	--				
Di-n-octylphthalate	--				
Dibenzofuran	--				
Diethylphthalate	--				
Dimethylphthalate	--				
Diphenylamine	--				
Fluoranthene	0.002090164 U				
Fluorene	0.002086228 U				
Hexachlorobenzene	--				
Hexachlorobutadiene	--				
Hexachlorocyclopentadiene	--				
Hexachloroethane	--				
Naphthalene	0.002138585 U				
Nitrobenzene	--				
o-Toluidine	--				
Pentachlorobenzene	--				
Pentachloronitrobenzene	--				
Pentachlorophenol	--				
Phenanthrene	0.002090164 U				
Phenol	--				

Chemical	Soil Gas - mg/m3				
	Sample Results for: AR21SG0010018				
Pyrene	0.002090164 U				
Total Carcinogenic PAHS (BaP TEQs)	--				
Total Petroleum Hydrocarbon					
Tph (c03-c20)	0.004378176				
Tph (c08-c40)	--				
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	0.000962858 U				
1,1,1-Trichloroethane	0.001786984 U				
1,1,2,2-Tetrachloroethane	0.002791239 U				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--				
1,1,2-Trichloroethane	0.00687281 U				
1,1-Dichloroethane	0.003956043 U				
1,1-Dichloroethene	0.005787206 U				
1,2,3-Trichlorobenzene	--				
1,2,3-Trichloropropane	--				
1,2,4-Trichlorobenzene	--				
1,2,4-Trimethylbenzene	0.001198904 U				
1,2-Dibromo-3-Chloropropane	--				
1,2-Dibromoethane	--				
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	--				
1,2-Dichlorobenzene	0.010181865 U				
1,2-Dichloroethane	0.000542267 U				
1,2-Dichloropropane	--				
1,3,5-Trimethylbenzene	0.000860297 U				
1,3-Butadiene	--				
1,3-Dichlorobenzene	0.001680145 U				
1,3-Dichloropropane	--				
1,4-Dichlorobenzene	0.001866344 U				
2,2-Dichloropropane	--				
2-Butanone (methyl ethyl ketone)	--				
2-Chlorotoluene	--				
2-Hexanone	--				
4-Chlorotoluene	--				
4-Isopropyltoluene	--				
4-Methyl-2-Pentanone	--				

Attachment C - Environmental Sampling Results For Location AR21

	Soil Gas - mg/m3				
Chemical	Sample Results for: AR21SG0010018				
Acetaldehyde	--				
Acetone	--				
Acetonitrile	--				
Acetophenone	--				
Acrolein	--				
Acrylonitrile	--				
Benzene	0.000642986 U				
Bis(2-Chloroethyl)ether	--				
Bis(chloromethyl)ether	--				
Bromochloromethane	--				
Bromodichloromethane	--				
Bromoform	--				
Bromomethane	--				
Carbon Disulfide	--				
Carbon Tetrachloride	0.003514017 U				
Chlorobenzene	0.00221646 U				
Chloroethane	--				
Chloroform	0.003393123 U				
Chloromethane	--				
Chloroprene	--				
cis-1,2-Dichloroethene	0.001600686 U				
cis-1,3-Dichloropropene	--				
Cyclohexane	--				
Dibromochloromethane	--				
Dibromomethane	--				
Dichlorodifluoromethane (Freon 12)	--				
Ethylbenzene	0.001481989 U				
Formaldehyde	--				
Hexane	--				
Isobutyl Alcohol	--				
Isophorone	--				
Isopropylbenzene	--				
m,p-Xylenes	0.001643796 U				
Methyl Acetate	--				
Methyl tert-Butyl Ether	0.001078881 U				
Methylcyclohexane	--				

Attachment C - Environmental Sampling Results For Location AR21

	Soil Gas - mg/m3				
Chemical	Sample Results for: AR21SG0010018				
Methylene Chloride	--				
n-Butylbenzene	--				
n-Propylbenzene	--				
o-Xylene	0.001322952 U				
Pentachloroethane	--				
sec-Butylbenzene	--				
Styrene	--				
tert-Butylbenzene	--				
Tetrachloroethene	0.00226079 U				
Toluene	0.000659774 U				
trans-1,2-Dichloroethene	0.001655093 U				
trans-1,3-Dichloropropene	--				
Trans-1,4-Dichloro-2-Butene	--				
Trichloroethene	0.000634021 U				
Trichlorofluoromethane	--				
Vinyl Acetate	--				
Vinyl Chloride	0.008176523 U				
Xylenes, Total	--				

-- = The chemical was not analyzed or no value was available.
Fecal Coliform, Fecal Steptococcus and Total Coliforms (including Fecal Coliform and E.Coli) are reported in CFU/100 mL.
Heterotrophic Plate Count is reported in CFU/1 mL.

Data Qualifiers:

Blank (i.e., no qualifier) = The chemical was detected.
> = The chemical was detected.
J = The chemical was detected but the concentration reported is an estimated value.
U = The chemical was not detected.
< = The chemical was not detected.

Attachment C - Environmental Sampling Results For Location AR21

Chemical	Tap Water - mg/L				
	Sample Results for: AR21TW001				
Alkane Hydrocarbon					
Octane	--				
Pentadecane	--				
Tridecane	--				
Undecane	--				
Anion					
Chloride	9.24				
Cyanide	0.004 U				
Fluoride	0.2 U				
Nitrate (measured as NO3-)	2.84				
Nitrite (measured as NO2-)	0.2 U				
Phosphate	0.4 U				
Sulfate	8				
Dioxins/Furans					
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.00000000034				
Disinfectants					
Chlorine (as Cl2)	0.07				
Disinfection Byproducts					
Total Trihalomethanes	0.00158				
Field Parameters					
Dissolved Oxygen	8.92				
Oxidation Reduction Potential	590				
pH	7.26				
Salinity	--				
Specific Conductance	0.66				
Temperature	24.6				
Total Dissolved Solids	--				
Total Solids	--				
Turbidity	--				
Inorganics					
Aluminum	0.0022 U				
Antimony	0.000289				
Arsenic	0.00357				
Barium	0.0148				
Beryllium	0.00003 U				
Cadmium (Diet)	--				
Cadmium (Water)	0.0000455				

Attachment C - Environmental Sampling Results For Location AR21

Chemical	Tap Water - mg/L				
	Sample Results for: AR21TW001				
Chromium	0.000484				
Cobalt	0.00017				
Copper	0.254				
Iron	0.0756				
Lead	0.00485				
Manganese (Diet)	--				
Manganese (Water)	0.00692				
Mercury	0.000015 U				
Nickel	0.345				
Selenium	0.0002 U				
Silver	0.00012 U				
Thallium	0.00004 U				
Tin	0.000185				
Vanadium	0.001 U				
Zinc	0.594				
Microorganisms					
Fecal Coliform	1 <				
Fecal Streptococcus	0				
Heterotrophic Plate Count	210				
Total Coliforms (including Fecal Coliform and E. Coli)	1 <				
Pesticides					
4,4-DDD	0.000003 U				
4,4-DDE	0.000002 U				
4,4-DDT	0.000006 U				
Aldrin	0.000002 U				
alpha-BHC	0.000003 U				
alpha-Chlordane	0.000003 U				
beta-BHC	0.000002 U				
Chlordane	--				
delta-BHC	0.000001 U				
Dieldrin	0.000003 U				
Endosulfan I	0.000003 U				
Endosulfan II	0.000002 U				
Endosulfan Sulfate	0.000007 U				
Endrin	0.000002 U				
Endrin Aldehyde	0.000002 U				

Attachment C - Environmental Sampling Results For Location AR21

Chemical	Tap Water - mg/L				
	Sample Results for: AR21TW001				
gamma-BHC (Lindane)	0.000001 U				
gamma-Chlordane	0.000002 U				
Heptachlor	0.000004 U				
Heptachlor Epoxide	0.000004 U				
Methoxychlor	0.000003 U				
Toxaphene	0.00001 U				
Polychlorinated bi-phenyls					
Aroclor 1016	0.00002 U				
Aroclor 1016/1260	--				
Aroclor 1221	0.00002 U				
Aroclor 1232	0.00002 U				
Aroclor 1242	0.00002 U				
Aroclor 1248	0.00002 U				
Aroclor 1254	0.00002 U				
Aroclor 1260	0.00002 U				
Radionuclides					
Uranium	0.000937				
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	0.0002 U				
1,2,4,5-Tetrachlorobenzene	0.0002 U				
2,3,4,6-Tetrachlorophenol	0.0003 U				
2,4,5-Trichlorophenol	0.0005 U				
2,4,6-Trichlorophenol	0.0005 U				
2,4-Dichlorophenol	0.0007 U				
2,4-Dimethylphenol	0.001 U				
2,4-Dinitrophenol	0.0003 U				
2,4-Dinitrotoluene	0.001 U				
2,6-Dichlorophenol	0.0008 U				
2,6-Dinitrotoluene	0.0001 U				
2-Chloronaphthalene	0.0002 U				
2-Chlorophenol	0.0009 U				
2-Methylnaphthalene	0.0002 U				
2-Methylphenol (o-Cresol)	0.0007 U				
2-Nitrophenol	0.0009 U				
3&4-Methylphenol	0.0012 U				
3-Methylphenol	--				
3-Nitroaniline	0.001 U				

Attachment C - Environmental Sampling Results For Location AR21

Chemical	Tap Water - mg/L				
	Sample Results for: AR21TW001				
4,6-Dinitro-2-Methylphenol	0.0002 U				
4-Bromophenylphenylether	0.0001 U				
4-Chloro-3-Methylphenol	0.0006 U				
4-Chloroanaline	0.001 U				
4-Methylphenol (p-Cresol)	--				
4-Nitroaniline	0.001 U				
4-Nitrophenol	0.0003 U				
Acenaphthene	0.0001 U				
Acenaphthylene	0.0001 U				
Aniline	0.001 U				
Anthracene	0.0001 U				
Atrazine	0.0001 U				
Benzo(g,h,i)perylene	0.0001 U				
Bis(2-ethylhexyl)phthalate	0.0014 U				
Butylbenzylphthalate	0.0001 U				
Carbazole	0.0001 U				
Di-n-butylphthalate	0.0013 U				
Di-n-octylphthalate	0.0002 U				
Dibenzofuran	0.0001 U				
Diethylphthalate	0.0002 U				
Dimethylphthalate	0.0001 U				
Diphenylamine	0.0001 U				
Fluoranthene	0.0001 U				
Fluorene	0.0001 U				
Hexachlorobenzene	0.0001 U				
Hexachlorobutadiene	0.0002 U				
Hexachlorocyclopentadiene	0.001 U				
Hexachloroethane	0.0001 U				
Naphthalene	0.0002 U				
Nitrobenzene	0.0002 U				
o-Toluidine	0.0007 U				
Pentachlorobenzene	0.0002 U				
Pentachloronitrobenzene	0.000003 U				
Pentachlorophenol	0.0003 U				
Phenanthrene	0.0001 U				
Phenol	0.001 U				

Attachment C - Environmental Sampling Results For Location AR21

Chemical	Tap Water - mg/L				
	Sample Results for: AR21TW001				
Pyrene	0.0001 U				
Total Carcinogenic PAHS (BaP TEQs)	0.00012 U				
Total Petroleum Hydrocarbon					
Tph (c03-c20)	--				
Tph (c08-c40)	--				
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	0.00011 U				
1,1,1-Trichloroethane	0.00017 U				
1,1,2,2-Tetrachloroethane	0.00005 U				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0002 U				
1,1,2-Trichloroethane	0.00011 U				
1,1-Dichloroethane	0.0001 U				
1,1-Dichloroethene	0.00013 U				
1,2,3-Trichlorobenzene	0.00012 U				
1,2,3-Trichloropropane	0.00013 U				
1,2,4-Trichlorobenzene	0.00013 U				
1,2,4-Trimethylbenzene	0.00006 U				
1,2-Dibromo-3-Chloropropane	0.00025 U				
1,2-Dibromoethane	0.00009 U				
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	0.0004 U				
1,2-Dichlorobenzene	0.00007 U				
1,2-Dichloroethane	0.00008 U				
1,2-Dichloropropane	0.00015 U				
1,3,5-Trimethylbenzene	0.00008 U				
1,3-Butadiene	--				
1,3-Dichlorobenzene	0.00013 U				
1,3-Dichloropropane	0.00011 U				
1,4-Dichlorobenzene	0.00007 U				
2,2-Dichloropropane	0.0001 U				
2-Butanone (methyl ethyl ketone)	0.0016 U				
2-Chlorotoluene	0.00012 U				
2-Hexanone	0.0002 U				
4-Chlorotoluene	0.00013 U				
4-Isopropyltoluene	0.0001 U				
4-Methyl-2-Pentanone	0.0001 U				

Attachment C - Environmental Sampling Results For Location AR21

	Tap Water - mg/L				
Chemical	Sample Results for: AR21TW001				
Acetaldehyde	--				
Acetone	0.00104 J				
Acetonitrile	--				
Acetophenone	--				
Acrolein	0.0004 U				
Acrylonitrile	--				
Benzene	0.00005 U				
Bis(2-Chloroethyl)ether	--				
Bis(chloromethyl)ether	--				
Bromochloromethane	0.0001 U				
Bromodichloromethane	0.000223 J				
Bromoform	0.000872 J				
Bromomethane	0.00037 U				
Carbon Disulfide	--				
Carbon Tetrachloride	0.00008 U				
Chlorobenzene	0.00012 U				
Chloroethane	0.00018 U				
Chloroform	0.000106 J				
Chloromethane	0.00021 U				
Chloroprene	--				
cis-1,2-Dichloroethene	0.00013 U				
cis-1,3-Dichloropropene	0.00015 U				
Cyclohexane	--				
Dibromochloromethane	0.000379 J				
Dibromomethane	--				
Dichlorodifluoromethane (Freon 12)	0.00012 U				
Ethylbenzene	0.00005 U				
Formaldehyde	--				
Hexane	--				
Isobutyl Alcohol	--				
Isophorone	--				
Isopropylbenzene	0.00006 U				
m,p-Xylenes	0.00009 U				
Methyl Acetate	--				
Methyl tert-Butyl Ether	0.00011 U				
Methylcyclohexane	--				

Attachment C - Environmental Sampling Results For Location AR21

Chemical	Tap Water - mg/L				
	Sample Results for: AR21TW001				
Methylene Chloride	0.00069 U				
n-Butylbenzene	0.00005 U				
n-Propylbenzene	0.00007 U				
o-Xylene	0.00007 U				
Pentachloroethane	--				
sec-Butylbenzene	0.00004 U				
Styrene	0.00008 U				
tert-Butylbenzene	0.00019 U				
Tetrachloroethene	0.00007 U				
Toluene	0.00017 U				
trans-1,2-Dichloroethene	0.00015 U				
trans-1,3-Dichloropropene	0.00007 U				
Trans-1,4-Dichloro-2-Butene	--				
Trichloroethene	0.00013 U				
Trichlorofluoromethane	0.00019 U				
Vinyl Acetate	--				
Vinyl Chloride	0.00015 U				
Xylenes, Total	--				

-- = The chemical was not analyzed or no value was available.
Fecal Coliform, Fecal Steptococcus and Total Coliforms (including Fecal Coliform and E.Coli) are reported in CFU/100 mL.
Heterotrophic Plate Count is reported in CFU/1 mL.

Data Qualifiers:

Blank (i.e., no qualifier) = The chemical was detected.
> = The chemical was detected.
J = The chemical was detected but the concentration reported is an estimated value.
U = The chemical was not detected.
< = The chemical was not detected.

Attachment C - Environmental Sampling Results For Location AR24

Chemical	Soil - mg/kg				
	Sample Results for: AR24SS0010006				
Alkane Hydrocarbon					
Octane	--				
Pentadecane	--				
Tridecane	--				
Undecane	--				
Anion					
Chloride	--				
Cyanide	0.0327 U				
Fluoride	--				
Nitrate (measured as NO3-)	--				
Nitrite (measured as NO2-)	--				
Phosphate	--				
Sulfate	--				
Dioxins/Furans					
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.0000010463				
Disinfectants					
Chlorine (as Cl2)	--				
Disinfection Byproducts					
Total Trihalomethanes	--				
Field Parameters					
Dissolved Oxygen	--				
Oxidation Reduction Potential	--				
pH	--				
Salinity	--				
Specific Conductance	--				
Temperature	--				
Total Dissolved Solids	--				
Total Solids	91				
Turbidity	--				
Inorganics					
Aluminum	36600				
Antimony	0.692				
Arsenic	13.2				
Barium	279				
Beryllium	4.96				
Cadmium (Diet)	0.268				
Cadmium (Water)	--				

Attachment C - Environmental Sampling Results For Location AR24

	Soil - mg/kg				
Chemical	Sample Results for: AR24SS0010006				
Chromium	5.58				
Cobalt	5.05				
Copper	49.2				
Iron	18300				
Lead	49				
Manganese (Diet)	654				
Manganese (Water)	--				
Mercury	0.189 U				
Nickel	5.89				
Selenium	0.113 U				
Silver	0.135				
Thallium	1.42				
Tin	4.16				
Vanadium	38.7				
Zinc	85.09999999999999				
Microorganisms					
Fecal Coliform	--				
Fecal Streptococcus	--				
Heterotrophic Plate Count	--				
Total Coliforms (including Fecal Coliform and E. Coli)	--				
Pesticides					
4,4-DDD	0.000478 UJ				
4,4-DDE	0.000469 UJ				
4,4-DDT	0.000628 UJ				
Aldrin	0.000381 UJ				
alpha-BHC	0.000469 UJ				
alpha-Chlordane	0.000381 UJ				
beta-BHC	0.000575 UJ				
Chlordane	--				
delta-BHC	0.000522 UJ				
Dieldrin	0.000531 UJ				
Endosulfan I	0.000478 UJ				
Endosulfan II	0.000381 UJ				
Endosulfan Sulfate	0.00054 UJ				
Endrin	0.000611 UJ				
Endrin Aldehyde	0.000549 UJ				

Attachment C - Environmental Sampling Results For Location AR24

Chemical	Soil - mg/kg				
	Sample Results for: AR24SS0010006				
gamma-BHC (Lindane)	0.000451 UJ				
gamma-Chlordane	0.000416 UJ				
Heptachlor	0.00054 UJ				
Heptachlor Epoxide	0.000416 UJ				
Methoxychlor	0.000673 UJ				
Toxaphene	0.00531 UJ				
Polychlorinated bi-phenyls					
Aroclor 1016	0.00619 UJ				
Aroclor 1016/1260	--				
Aroclor 1221	0.00619 UJ				
Aroclor 1232	0.00619 UJ				
Aroclor 1242	0.00619 UJ				
Aroclor 1248	0.00619 UJ				
Aroclor 1254	0.00619 UJ				
Aroclor 1260	0.00619 UJ				
Radionuclides					
Uranium	--				
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	0.0161 U				
1,2,4,5-Tetrachlorobenzene	0.0129 U				
2,3,4,6-Tetrachlorophenol	0.0761 U				
2,4,5-Trichlorophenol	0.132 U				
2,4,6-Trichlorophenol	0.0708 U				
2,4-Dichlorophenol	0.0826 U				
2,4-Dimethylphenol	0.159 U				
2,4-Dinitrophenol	0.059 U				
2,4-Dinitrotoluene	0.0193 U				
2,6-Dichlorophenol	0.0504 U				
2,6-Dinitrotoluene	0.0161 U				
2-Chloronaphthalene	0.00858 U				
2-Chlorophenol	0.0536 U				
2-Methylnaphthalene	0.0182 U				
2-Methylphenol (o-Cresol)	0.107 U				
2-Nitrophenol	0.0676 U				
3&4-Methylphenol	0.123 U				
3-Methylphenol	--				
3-Nitroaniline	0.0193 U				

Attachment C - Environmental Sampling Results For Location AR24

	Soil - mg/kg				
Chemical	Sample Results for: AR24SS0010006				
4,6-Dinitro-2-Methylphenol	0.0719 U				
4-Bromophenylphenylether	0.0129 U				
4-Chloro-3-Methylphenol	0.0944 U				
4-Chloroanaline	0.0247 U				
4-Methylphenol (p-Cresol)	--				
4-Nitroaniline	0.0472 U				
4-Nitrophenol	0.127 U				
Acenaphthene	0.0107 U				
Acenaphthylene	0.00965 U				
Aniline	0.0214 U				
Anthracene	0.0129 U				
Atrazine	0.0279 U				
Benzo(g,h,i)perylene	0.03 U				
Bis(2-ethylhexyl)phthalate	0.113 U				
Butylbenzylphthalate	0.0322 U				
Carbazole	0.0193 U				
Di-n-butylphthalate	0.0461 U				
Di-n-octylphthalate	0.0214 U				
Dibenzofuran	0.0107 U				
Diethylphthalate	0.0182 U				
Dimethylphthalate	0.0139 U				
Diphenylamine	0.0558 U				
Fluoranthene	0.0204 U				
Fluorene	0.0129 U				
Hexachlorobenzene	0.0118 U				
Hexachlorobutadiene	0.0107 U				
Hexachlorocyclopentadiene	0.015 U				
Hexachloroethane	0.0118 U				
Naphthalene	0.00644 U				
Nitrobenzene	0.0161 U				
o-Toluidine	0.0193 U				
Pentachlorobenzene	0.03 U				
Pentachloronitrobenzene	0.000442 UJ				
Pentachlorophenol	0.165 U				
Phenanthrene	0.0322 U				
Phenol	0.0365 U				

Chemical	Soil - mg/kg				
	Sample Results for: AR24SS0010006				
Pyrene	0.0193 U				
Total Carcinogenic PAHS (BaP TEQs)	0.0462869 U				
Total Petroleum Hydrocarbon					
Tph (c03-c20)	--				
Tph (c08-c40)	--				
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	0.000429 U				
1,1,1-Trichloroethane	0.000572 U				
1,1,2,2-Tetrachloroethane	0.000286 U				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.001 U				
1,1,2-Trichloroethane	0.000429 U				
1,1-Dichloroethane	0.001 U				
1,1-Dichloroethene	0.000715 U				
1,2,3-Trichlorobenzene	0.000715 U				
1,2,3-Trichloropropane	0.000429 U				
1,2,4-Trichlorobenzene	0.000429 U				
1,2,4-Trimethylbenzene	0.000572 U				
1,2-Dibromo-3-Chloropropane	0.000572 U				
1,2-Dibromoethane	0.000143 U				
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	0.000858 U				
1,2-Dichlorobenzene	0.000143 U				
1,2-Dichloroethane	0.000286 U				
1,2-Dichloropropane	0.000429 U				
1,3,5-Trimethylbenzene	0.000286 U				
1,3-Butadiene	--				
1,3-Dichlorobenzene	0.000286 U				
1,3-Dichloropropane	0.000286 U				
1,4-Dichlorobenzene	0.000143 U				
2,2-Dichloropropane	0.000715 U				
2-Butanone (methyl ethyl ketone)	0.00257 U				
2-Chlorotoluene	0.000429 U				
2-Hexanone	0.00143 UJ				
4-Chlorotoluene	0.000286 U				
4-Isopropyltoluene	0.000286 U				
4-Methyl-2-Pentanone	0.000429 U				
Acetaldehyde	--				

Attachment C - Environmental Sampling Results For Location AR24

Chemical	Soil - mg/kg				
	Sample Results for: AR24SS0010006				
Acetone	0.0083 U				
Acetonitrile	--				
Acetophenone	--				
Acrolein	--				
Acrylonitrile	--				
Benzene	0.000429 U				
Bis(2-Chloroethyl)ether	--				
Bis(chloromethyl)ether	--				
Bromochloromethane	0.000572 U				
Bromodichloromethane	0.000572 U				
Bromoform	0.000286 U				
Bromomethane	0.00429 U				
Carbon Disulfide	--				
Carbon Tetrachloride	0.000572 U				
Chlorobenzene	0.000286 U				
Chloroethane	0.000572 U				
Chloroform	0.001 U				
Chloromethane	0.00129 U				
Chloroprene	--				
cis-1,2-Dichloroethene	0.001 U				
cis-1,3-Dichloropropene	0.000143 U				
Cyclohexane	--				
Dibromochloromethane	0.000143 U				
Dibromomethane	--				
Dichlorodifluoromethane (Freon 12)	0.000429 U				
Ethylbenzene	0.000429 U				
Formaldehyde	--				
Hexane	--				
Isobutyl Alcohol	--				
Isophorone	--				
Isopropylbenzene	0.000286 U				
m,p-Xylenes	0.000858 U				
Methyl Acetate	--				
Methyl tert-Butyl Ether	0.000715 U				
Methylcyclohexane	--				
Methylene Chloride	0.00143 U				

Attachment C - Environmental Sampling Results For Location AR24

Chemical	Soil - mg/kg				
	Sample Results for: AR24SS0010006				
n-Butylbenzene	0.000286 U				
n-Propylbenzene	0.000429 U				
o-Xylene	0.000286 U				
Pentachloroethane	--				
sec-Butylbenzene	0.000286 U				
Styrene	0.000286 U				
tert-Butylbenzene	0.000572 U				
Tetrachloroethene	0.000858 U				
Toluene	0.000715 U				
trans-1,2-Dichloroethene	0.000858 U				
trans-1,3-Dichloropropene	0.000429 U				
Trans-1,4-Dichloro-2-Butene	--				
Trichloroethene	0.000715 U				
Trichlorofluoromethane	0.00114 U				
Vinyl Acetate	--				
Vinyl Chloride	0.000572 U				
Xylenes, Total	--				

-- = The chemical was not analyzed or no value was available.
Fecal Coliform, Fecal Steptococcus and Total Coliforms (including Fecal Coliform and E.Coli) are reported in CFU/100 mL.
Heterotrophic Plate Count is reported in CFU/1 mL.
Data Qualifiers:

Blank (i.e., no qualifier) = The chemical was detected.
> = The chemical was detected.
J = The chemical was detected but the concentration reported is an estimated value.
U = The chemical was not detected.
< = The chemical was not detected.

Attachment C - Environmental Sampling Results For Location AR24

Chemical	Soil Gas - mg/m3				
	Sample Results for: AR24SG0010018				
Alkane Hydrocarbon					
Octane	0.001253153 U				
Pentadecane	0.001071361 U				
Tridecane	0.001005251 U				
Undecane	0.001007079 U				
Anion					
Chloride	--				
Cyanide	--				
Fluoride	--				
Nitrate (measured as NO3-)	--				
Nitrite (measured as NO2-)	--				
Phosphate	--				
Sulfate	--				
Dioxins/Furans					
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	--				
Disinfectants					
Chlorine (as Cl2)	--				
Disinfection Byproducts					
Total Trihalomethanes	--				
Field Parameters					
Dissolved Oxygen	--				
Oxidation Reduction Potential	--				
pH	--				
Salinity	--				
Specific Conductance	--				
Temperature	--				
Total Dissolved Solids	--				
Total Solids	--				
Turbidity	--				
Inorganics					
Aluminum	--				
Antimony	--				
Arsenic	--				
Barium	--				
Beryllium	--				
Cadmium (Diet)	--				
Cadmium (Water)	--				

Attachment C - Environmental Sampling Results For Location AR24

	Soil Gas - mg/m3				
Chemical	Sample Results for: AR24SG0010018				
Chromium	--				
Cobalt	--				
Copper	--				
Iron	--				
Lead	--				
Manganese (Diet)	--				
Manganese (Water)	--				
Mercury	--				
Nickel	--				
Selenium	--				
Silver	--				
Thallium	--				
Tin	--				
Vanadium	--				
Zinc	--				
Microorganisms					
Fecal Coliform	--				
Fecal Streptococcus	--				
Heterotrophic Plate Count	--				
Total Coliforms (including Fecal Coliform and E. Coli)	--				
Pesticides					
4,4-DDD	--				
4,4-DDE	--				
4,4-DDT	--				
Aldrin	--				
alpha-BHC	--				
alpha-Chlordane	--				
beta-BHC	--				
Chlordane	--				
delta-BHC	--				
Dieldrin	--				
Endosulfan I	--				
Endosulfan II	--				
Endosulfan Sulfate	--				
Endrin	--				
Endrin Aldehyde	--				

Attachment C - Environmental Sampling Results For Location AR24

	Soil Gas - mg/m3				
Chemical	Sample Results for: AR24SG0010018				
gamma-BHC (Lindane)	--				
gamma-Chlordane	--				
Heptachlor	--				
Heptachlor Epoxide	--				
Methoxychlor	--				
Toxaphene	--				
Polychlorinated bi-phenyls					
Aroclor 1016	--				
Aroclor 1016/1260	--				
Aroclor 1221	--				
Aroclor 1232	--				
Aroclor 1242	--				
Aroclor 1248	--				
Aroclor 1254	--				
Aroclor 1260	--				
Radionuclides					
Uranium	--				
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	--				
1,2,4,5-Tetrachlorobenzene	--				
2,3,4,6-Tetrachlorophenol	--				
2,4,5-Trichlorophenol	--				
2,4,6-Trichlorophenol	--				
2,4-Dichlorophenol	--				
2,4-Dimethylphenol	--				
2,4-Dinitrophenol	--				
2,4-Dinitrotoluene	--				
2,6-Dichlorophenol	--				
2,6-Dinitrotoluene	--				
2-Chloronaphthalene	--				
2-Chlorophenol	--				
2-Methylnaphthalene	0.0009436 U				
2-Methylphenol (o-Cresol)	--				
2-Nitrophenol	--				
3&4-Methylphenol	--				
3-Methylphenol	--				
3-Nitroaniline	--				

Attachment C - Environmental Sampling Results For Location AR24

	Soil Gas - mg/m3				
Chemical	Sample Results for: AR24SG0010018				
4,6-Dinitro-2-Methylphenol	--				
4-Bromophenylphenylether	--				
4-Chloro-3-Methylphenol	--				
4-Chloroanaline	--				
4-Methylphenol (p-Cresol)	--				
4-Nitroaniline	--				
4-Nitrophenol	--				
Acenaphthene	0.001347673 U				
Acenaphthylene	0.003680355 U				
Aniline	--				
Anthracene	0.002090164 U				
Atrazine	--				
Benzo(g,h,i)perylene	--				
Bis(2-ethylhexyl)phthalate	--				
Butylbenzylphthalate	--				
Carbazole	--				
Di-n-butylphthalate	--				
Di-n-octylphthalate	--				
Dibenzofuran	--				
Diethylphthalate	--				
Dimethylphthalate	--				
Diphenylamine	--				
Fluoranthene	0.002090164 U				
Fluorene	0.002086228 U				
Hexachlorobenzene	--				
Hexachlorobutadiene	--				
Hexachlorocyclopentadiene	--				
Hexachloroethane	--				
Naphthalene	0.002138585 U				
Nitrobenzene	--				
o-Toluidine	--				
Pentachlorobenzene	--				
Pentachloronitrobenzene	--				
Pentachlorophenol	--				
Phenanthrene	0.002090164 U				
Phenol	--				

Attachment C - Environmental Sampling Results For Location AR24

Chemical	Soil Gas - mg/m3				
	Sample Results for: AR24SG0010018				
Pyrene	0.002090164 U				
Total Carcinogenic PAHS (BaP TEQs)	--				
Total Petroleum Hydrocarbon					
Tph (c03-c20)	0.031458341				
Tph (c08-c40)	--				
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	0.000962858 U				
1,1,1-Trichloroethane	0.001786984 U				
1,1,2,2-Tetrachloroethane	0.002791239 U				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--				
1,1,2-Trichloroethane	0.00687281 U				
1,1-Dichloroethane	0.003956043 U				
1,1-Dichloroethene	0.005787206 U				
1,2,3-Trichlorobenzene	--				
1,2,3-Trichloropropane	--				
1,2,4-Trichlorobenzene	--				
1,2,4-Trimethylbenzene	0.001198904 U				
1,2-Dibromo-3-Chloropropane	--				
1,2-Dibromoethane	--				
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	--				
1,2-Dichlorobenzene	0.010181865 U				
1,2-Dichloroethane	0.000542267 U				
1,2-Dichloropropane	--				
1,3,5-Trimethylbenzene	0.000860297 U				
1,3-Butadiene	--				
1,3-Dichlorobenzene	0.001680145 U				
1,3-Dichloropropane	--				
1,4-Dichlorobenzene	0.001866344 U				
2,2-Dichloropropane	--				
2-Butanone (methyl ethyl ketone)	--				
2-Chlorotoluene	--				
2-Hexanone	--				
4-Chlorotoluene	--				
4-Isopropyltoluene	--				
4-Methyl-2-Pentanone	--				

Attachment C - Environmental Sampling Results For Location AR24

	Soil Gas - mg/m3				
Chemical	Sample Results for: AR24SG0010018				
Acetaldehyde	--				
Acetone	--				
Acetonitrile	--				
Acetophenone	--				
Acrolein	--				
Acrylonitrile	--				
Benzene	0.000642986 U				
Bis(2-Chloroethyl)ether	--				
Bis(chloromethyl)ether	--				
Bromochloromethane	--				
Bromodichloromethane	--				
Bromoform	--				
Bromomethane	--				
Carbon Disulfide	--				
Carbon Tetrachloride	0.003514017 U				
Chlorobenzene	0.00221646 U				
Chloroethane	--				
Chloroform	0.003393123 U				
Chloromethane	--				
Chloroprene	--				
cis-1,2-Dichloroethene	0.001600686 U				
cis-1,3-Dichloropropene	--				
Cyclohexane	--				
Dibromochloromethane	--				
Dibromomethane	--				
Dichlorodifluoromethane (Freon 12)	--				
Ethylbenzene	0.001481989 U				
Formaldehyde	--				
Hexane	--				
Isobutyl Alcohol	--				
Isophorone	--				
Isopropylbenzene	--				
m,p-Xylenes	0.001643796 U				
Methyl Acetate	--				
Methyl tert-Butyl Ether	0.001078881 U				
Methylcyclohexane	--				

Attachment C - Environmental Sampling Results For Location AR24

Chemical	Soil Gas - mg/m3				
	Sample Results for: AR24SG0010018				
Methylene Chloride	--				
n-Butylbenzene	--				
n-Propylbenzene	--				
o-Xylene	0.001322952 U				
Pentachloroethane	--				
sec-Butylbenzene	--				
Styrene	--				
tert-Butylbenzene	--				
Tetrachloroethene	0.00226079 U				
Toluene	0.000659774 U				
trans-1,2-Dichloroethene	0.001655093 U				
trans-1,3-Dichloropropene	--				
Trans-1,4-Dichloro-2-Butene	--				
Trichloroethene	0.000634021 U				
Trichlorofluoromethane	--				
Vinyl Acetate	--				
Vinyl Chloride	0.008176523 U				
Xylenes, Total	--				

-- = The chemical was not analyzed or no value was available.
Fecal Coliform, Fecal Steptococcus and Total Coliforms (including Fecal Coliform and E.Coli) are reported in CFU/100 mL.
Heterotrophic Plate Count is reported in CFU/1 mL.

Data Qualifiers:

Blank (i.e., no qualifier) = The chemical was detected.
> = The chemical was detected.
J = The chemical was detected but the concentration reported is an estimated value.
U = The chemical was not detected.
< = The chemical was not detected.

Attachment C - Environmental Sampling Results For Location AR24

Chemical	Tap Water - mg/L				
	Sample Results for: AR24TW001	Sample Results for: AR24TW002			
Alkane Hydrocarbon					
Octane	--	--			
Pentadecane	--	--			
Tridecane	--	--			
Undecane	--	--			
Anion					
Chloride	7.59	--			
Cyanide	0.004 U	--			
Fluoride	0.2 U	--			
Nitrate (measured as NO3-)	2.62	--			
Nitrite (measured as NO2-)	0.2 U	--			
Phosphate	0.4 U	--			
Sulfate	5.92	--			
Dioxins/Furans					
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.000000000036	--			
Disinfectants					
Chlorine (as Cl2)	0.02	--			
Disinfection Byproducts					
Total Trihalomethanes	0.001393	--			
Field Parameters					
Dissolved Oxygen	8.01	7.57			
Oxidation Reduction Potential	390	301			
pH	7.63	7.74			
Salinity	--	--			
Specific Conductance	0.6	0.65			
Temperature	28.6	26.02			
Total Dissolved Solids	--	--			
Total Solids	--	--			
Turbidity	--	--			
Inorganics					
Aluminum	0.0022 U	--			
Antimony	0.000176	--			
Arsenic	0.00268	--			
Barium	0.011	--			
Beryllium	0.00003 U	--			
Cadmium (Diet)	--	--			
Cadmium (Water)	0.0000535	--			

Attachment C - Environmental Sampling Results For Location AR24

Chemical	Tap Water - mg/L				
	Sample Results for: AR24TW001	Sample Results for: AR24TW002			
Chromium	0.000412	--			
Cobalt	0.000166	--			
Copper	0.238	--			
Iron	0.0111	--			
Lead	0.00229	--			
Manganese (Diet)	--	--			
Manganese (Water)	0.0181	--			
Mercury	0.000015 U	--			
Nickel	0.532	--			
Selenium	0.0002 U	--			
Silver	0.00012 U	--			
Thallium	0.00004 U	--			
Tin	0.0001 U	--			
Vanadium	0.00249 U	--			
Zinc	0.15	--			
Microorganisms					
Fecal Coliform	1 <	1 <			
Fecal Streptococcus	0	0			
Heterotrophic Plate Count	6350	4020			
Total Coliforms (including Fecal Coliform and E. Coli)	1 <	1 <			
Pesticides					
4,4-DDD	0.000003 U	--			
4,4-DDE	0.000002 U	--			
4,4-DDT	0.000006 U	--			
Aldrin	0.000002 U	--			
alpha-BHC	0.000003 U	--			
alpha-Chlordane	0.000003 U	--			
beta-BHC	0.000002 U	--			
Chlordane	--	--			
delta-BHC	0.000001 U	--			
Dieldrin	0.000003 U	--			
Endosulfan I	0.000003 U	--			
Endosulfan II	0.000002 U	--			
Endosulfan Sulfate	0.000007 U	--			
Endrin	0.000002 U	--			
Endrin Aldehyde	0.000002 U	--			

Attachment C - Environmental Sampling Results For Location AR24

Chemical	Tap Water - mg/L				
	Sample Results for: AR24TW001	Sample Results for: AR24TW002			
gamma-BHC (Lindane)	0.000001 U	--			
gamma-Chlordane	0.000002 U	--			
Heptachlor	0.000004 U	--			
Heptachlor Epoxide	0.000004 U	--			
Methoxychlor	0.000003 U	--			
Toxaphene	0.00001 U	--			
Polychlorinated bi-phenyls					
Aroclor 1016	0.00002 U	--			
Aroclor 1016/1260	--	--			
Aroclor 1221	0.00002 U	--			
Aroclor 1232	0.00002 U	--			
Aroclor 1242	0.00002 U	--			
Aroclor 1248	0.00002 U	--			
Aroclor 1254	0.00002 U	--			
Aroclor 1260	0.00002 U	--			
Radionuclides					
Uranium	0.000559	--			
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	0.0002 U	--			
1,2,4,5-Tetrachlorobenzene	0.0002 U	--			
2,3,4,6-Tetrachlorophenol	0.0003 U	--			
2,4,5-Trichlorophenol	0.0005 U	--			
2,4,6-Trichlorophenol	0.0005 U	--			
2,4-Dichlorophenol	0.0007 U	--			
2,4-Dimethylphenol	0.001 U	--			
2,4-Dinitrophenol	0.0003 U	--			
2,4-Dinitrotoluene	0.001 U	--			
2,6-Dichlorophenol	0.0008 U	--			
2,6-Dinitrotoluene	0.0001 U	--			
2-Chloronaphthalene	0.0002 U	--			
2-Chlorophenol	0.0009 U	--			
2-Methylnaphthalene	0.0002 U	--			
2-Methylphenol (o-Cresol)	0.0007 U	--			
2-Nitrophenol	0.0009 U	--			
3&4-Methylphenol	0.0012 U	--			
3-Methylphenol	--	--			
3-Nitroaniline	0.001 U	--			

Attachment C - Environmental Sampling Results For Location AR24

Chemical	Tap Water - mg/L				
	Sample Results for: AR24TW001	Sample Results for: AR24TW002			
4,6-Dinitro-2-Methylphenol	0.0002 U	--			
4-Bromophenylphenylether	0.0001 U	--			
4-Chloro-3-Methylphenol	0.0006 U	--			
4-Chloroanaline	0.001 U	--			
4-Methylphenol (p-Cresol)	--	--			
4-Nitroaniline	0.001 U	--			
4-Nitrophenol	0.0003 U	--			
Acenaphthene	0.0001 U	--			
Acenaphthylene	0.0001 U	--			
Aniline	0.0018 J	--			
Anthracene	0.0001 U	--			
Atrazine	0.0001 U	--			
Benzo(g,h,i)perylene	0.0001 U	--			
Bis(2-ethylhexyl)phthalate	0.0014 U	--			
Butylbenzylphthalate	0.0001 U	--			
Carbazole	0.0001 U	--			
Di-n-butylphthalate	0.0013 U	--			
Di-n-octylphthalate	0.0002 U	--			
Dibenzofuran	0.0001 U	--			
Diethylphthalate	0.0002 U	--			
Dimethylphthalate	0.0001 U	--			
Diphenylamine	0.0001 U	--			
Fluoranthene	0.0001 U	--			
Fluorene	0.0001 U	--			
Hexachlorobenzene	0.0001 U	--			
Hexachlorobutadiene	0.0002 U	--			
Hexachlorocyclopentadiene	0.001 U	--			
Hexachloroethane	0.0001 U	--			
Naphthalene	0.0002 U	--			
Nitrobenzene	0.0002 U	--			
o-Toluidine	0.0007 U	--			
Pentachlorobenzene	0.0002 U	--			
Pentachloronitrobenzene	0.000003 U	--			
Pentachlorophenol	0.0003 U	--			
Phenanthrene	0.0001 U	--			
Phenol	0.001 U	--			

Attachment C - Environmental Sampling Results For Location AR24

Chemical	Tap Water - mg/L				
	Sample Results for: AR24TW001	Sample Results for: AR24TW002			
Pyrene	0.0001 U	--			
Total Carcinogenic PAHS (BaP TEQs)	0.00012 U	--			
Total Petroleum Hydrocarbon					
Tph (c03-c20)	--	--			
Tph (c08-c40)	--	--			
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	0.00011 U	--			
1,1,1-Trichloroethane	0.00017 U	--			
1,1,2,2-Tetrachloroethane	0.00005 U	--			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0002 U	--			
1,1,2-Trichloroethane	0.00011 U	--			
1,1-Dichloroethane	0.0001 U	--			
1,1-Dichloroethene	0.00013 U	--			
1,2,3-Trichlorobenzene	0.00012 U	--			
1,2,3-Trichloropropane	0.00013 U	--			
1,2,4-Trichlorobenzene	0.00013 U	--			
1,2,4-Trimethylbenzene	0.00006 U	--			
1,2-Dibromo-3-Chloropropane	0.00025 U	--			
1,2-Dibromoethane	0.00009 U	--			
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	0.0004 U	--			
1,2-Dichlorobenzene	0.00007 U	--			
1,2-Dichloroethane	0.00008 U	--			
1,2-Dichloropropane	0.00015 U	--			
1,3,5-Trimethylbenzene	0.00008 U	--			
1,3-Butadiene	--	--			
1,3-Dichlorobenzene	0.00013 U	--			
1,3-Dichloropropane	0.00011 U	--			
1,4-Dichlorobenzene	0.00007 U	--			
2,2-Dichloropropane	0.0001 U	--			
2-Butanone (methyl ethyl ketone)	0.0016 U	--			
2-Chlorotoluene	0.00012 U	--			
2-Hexanone	0.0002 U	--			
4-Chlorotoluene	0.00013 U	--			
4-Isopropyltoluene	0.0001 U	--			
4-Methyl-2-Pentanone	0.0001 U	--			

Attachment C - Environmental Sampling Results For Location AR24

Chemical	Tap Water - mg/L				
	Sample Results for: AR24TW001	Sample Results for: AR24TW002			
Acetaldehyde	--	--			
Acetone	0.00137 J	--			
Acetonitrile	--	--			
Acetophenone	--	--			
Acrolein	0.0004 U	--			
Acrylonitrile	--	--			
Benzene	0.00005 U	--			
Bis(2-Chloroethyl)ether	--	--			
Bis(chloromethyl)ether	--	--			
Bromochloromethane	0.0001 U	--			
Bromodichloromethane	0.00012 U	--			
Bromoform	0.00105	--			
Bromomethane	0.00037 U	--			
Carbon Disulfide	--	--			
Carbon Tetrachloride	0.00008 U	--			
Chlorobenzene	0.00012 U	--			
Chloroethane	0.00018 U	--			
Chloroform	0.000102 J	--			
Chloromethane	0.00021 U	--			
Chloroprene	--	--			
cis-1,2-Dichloroethene	0.00013 U	--			
cis-1,3-Dichloropropene	0.00015 U	--			
Cyclohexane	--	--			
Dibromochloromethane	0.000241 J	--			
Dibromomethane	--	--			
Dichlorodifluoromethane (Freon 12)	0.00012 U	--			
Ethylbenzene	0.00005 U	--			
Formaldehyde	--	--			
Hexane	--	--			
Isobutyl Alcohol	--	--			
Isophorone	--	--			
Isopropylbenzene	0.00006 U	--			
m,p-Xylenes	0.00009 U	--			
Methyl Acetate	--	--			
Methyl tert-Butyl Ether	0.00011 U	--			
Methylcyclohexane	--	--			

Attachment C - Environmental Sampling Results For Location AR24

Chemical	Tap Water - mg/L				
	Sample Results for: AR24TW001	Sample Results for: AR24TW002			
Methylene Chloride	0.00069 U	--			
n-Butylbenzene	0.00005 U	--			
n-Propylbenzene	0.00007 U	--			
o-Xylene	0.00007 U	--			
Pentachloroethane	--	--			
sec-Butylbenzene	0.00004 U	--			
Styrene	0.00008 U	--			
tert-Butylbenzene	0.00019 U	--			
Tetrachloroethene	0.00007 U	--			
Toluene	0.00017 U	--			
trans-1,2-Dichloroethene	0.00015 U	--			
trans-1,3-Dichloropropene	0.00007 U	--			
Trans-1,4-Dichloro-2-Butene	--	--			
Trichloroethene	0.00013 U	--			
Trichlorofluoromethane	0.00019 U	--			
Vinyl Acetate	--	--			
Vinyl Chloride	0.00015 U	--			
Xylenes, Total	--	--			

-- = The chemical was not analyzed or no value was available.
Fecal Coliform, Fecal Steptococcus and Total Coliforms (including Fecal Coliform and E.Coli) are reported in CFU/100 mL.
Heterotrophic Plate Count is reported in CFU/1 mL.

Data Qualifiers:

Blank (i.e., no qualifier) = The chemical was detected.
> = The chemical was detected.
J = The chemical was detected but the concentration reported is an estimated value.
U = The chemical was not detected.
< = The chemical was not detected.

Attachment D

Comparison of Environmental Sampling Results

to

Screening Concentrations

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR03

Chemical	Soil - mg/kg					
	Maximum Detected Concentration	Naples, Italy Background (Maximum)	USEPA RSL 30-Year Exposure		USEPA RSL 30-Year Exposure	
			NonCancer	Cancer	NCEF	CEF
Alkane Hydrocarbon						
Octane	--	--	--	--	--	--
Pentadecane	--	--	--	--	--	--
Tridecane	--	--	--	--	--	--
Undecane	--	--	--	--	--	--
Anion						
Chloride	--	--	--	--	--	--
Cyanide	--	--	1600	--	--	--
Fluoride	--	--	--	--	--	--
Nitrate (measured as NO3-)	--	--	572000	--	--	--
Nitrite (measured as NO2-)	--	--	25740	--	--	--
Phosphate	--	--	--	--	--	--
Sulfate	--	--	--	--	--	--
Dioxins/Furans						
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.00000012054	--	0.000072	0.0000045	0.002	0.03
Disinfectants						
Chlorine (as Cl2)	--	--	--	--	--	--
Disinfection Byproducts						
Total Trihalomethanes	--	--	--	--	--	--
Field Parameters						
Dissolved Oxygen	--	--	--	--	--	--
Oxidation Reduction Potential	--	--	--	--	--	--
pH	--	--	--	--	--	--
Salinity	--	--	--	--	--	--
Specific Conductance	--	--	--	--	--	--
Temperature	--	--	--	--	--	--
Total Dissolved Solids	--	--	--	--	--	--
Total Solids	83.90000000000001	--	--	--	--	--
Turbidity	--	--	--	--	--	--
Inorganics						
Aluminum	31000	86900	77000	--	0.4	--
Antimony	0.217	42.8	31	--	0.007	--
Arsenic	10.7	164	22	0.39	0.5	**27.4**
Barium	209	1813	15000	--	0.01	--
Beryllium	4.19	--	160	1400	0.03	0.003
Cadmium (Diet)	0.182	10.6	70	1800	0.003	0.0001

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR03

	Soil - mg/kg					
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	NonCancer	Cancer	NCEF	CEF
Cadmium (Water)	--	--	--	--	--	--
Chromium	5.14	579	--	--	--	--
Cobalt	4.01	36.6	--	--	--	--
Copper	25.1	3965	3100	--	0.008	--
Iron	16400	154600	55000	--	0.3	--
Lead	30.7	2052	400	--	0.08	--
Manganese (Diet)	487	5923	--	--	--	--
Manganese (Water)	--	--	1800	--	--	--
Mercury	--	2.66	6.7	--	--	--
Nickel	4.76	689	1600	--	0.003	--
Selenium	--	1.9	390	--	--	--
Silver	--	8.132	390	--	--	--
Thallium	1.66	69	5.1	--	0.3	--
Tin	2.22	--	47000	--	0.00005	--
Vanadium	44.7	187	550	--	0.08	--
Zinc	47.8	3211	23000	--	0.002	--
Microorganisms						
Fecal Coliform	--	--	--	--	--	--
Fecal Streptococcus	--	--	--	--	--	--
Heterotrophic Plate Count	--	--	--	--	--	--
Total Coliforms (including Fecal Coliform and E. Coli)	--	--	--	--	--	--
Pesticides						
4,4-DDD	--	--	--	2	--	--
4,4-DDE	--	--	--	1.4	--	--
4,4-DDT	--	--	36	1.7	--	--
Aldrin	--	--	1.8	0.029	--	--
alpha-BHC	--	--	--	0.077	--	--
alpha-Chlordane	--	--	--	--	--	--
beta-BHC	--	--	--	0.27	--	--
Chlordane	--	--	35	1.6	--	--
delta-BHC	--	--	--	--	--	--
Dieldrin	--	--	3.1	0.03	--	--
Endosulfan I	--	--	--	--	--	--
Endosulfan II	--	--	--	--	--	--
Endosulfan Sulfate	--	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR03

Chemical	Soil - mg/kg					
	Maximum Detected Concentration	Naples, Italy Background (Maximum)	USEPA RSL 30-Year Exposure		USEPA RSL 30-Year Exposure	
			NonCancer	Cancer	NCEF	CEF
Endrin	--	--	18	--	--	--
Endrin Aldehyde	--	--	--	--	--	--
gamma-BHC (Lindane)	--	--	21	0.52	--	--
gamma-Chlordane	--	--	35	1.6	--	--
Heptachlor	--	--	31	0.11	--	--
Heptachlor Epoxide	--	--	0.79	0.053	--	--
Methoxychlor	--	--	310	--	--	--
Toxaphene	--	--	--	0.44	--	--
Polychlorinated bi-phenyls						
Aroclor 1016	--	--	3.9	6.3	--	--
Aroclor 1016/1260	--	--	3.9	0.22	--	--
Aroclor 1221	--	--	--	0.17	--	--
Aroclor 1232	--	--	--	0.17	--	--
Aroclor 1242	--	--	--	0.22	--	--
Aroclor 1248	--	--	--	0.22	--	--
Aroclor 1254	--	--	1.1	0.22	--	--
Aroclor 1260	--	--	--	0.22	--	--
Radionuclides						
Uranium	--	--	230	--	--	--
Semi-Volatile Organic Compounds						
1,1'-Biphenyl	--	--	3900	--	--	--
1,2,4,5-Tetrachlorobenzene	--	--	18	--	--	--
2,3,4,6-Tetrachlorophenol	--	--	1800	--	--	--
2,4,5-Trichlorophenol	--	--	6100	--	--	--
2,4,6-Trichlorophenol	--	--	61	44	--	--
2,4-Dichlorophenol	--	--	180	--	--	--
2,4-Dimethylphenol	--	--	1200	--	--	--
2,4-Dinitrophenol	--	--	120	--	--	--
2,4-Dinitrotoluene	--	--	120	--	--	--
2,6-Dichlorophenol	--	--	--	--	--	--
2,6-Dinitrotoluene	--	--	61	--	--	--
2-Chloronaphthalene	--	--	6300	--	--	--
2-Chlorophenol	--	--	390	--	--	--
2-Methylnaphthalene	--	--	310	--	--	--
2-Methylphenol (o-Cresol)	--	--	3100	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR03

	Soil - mg/kg					
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	NonCancer	Cancer	NCEF	CEF
2-Nitrophenol	--	--	--	--	--	--
3&4-Methylphenol	--	--	310	--	--	--
3-Methylphenol	--	--	3100	--	--	--
3-Nitroaniline	--	--	--	--	--	--
4,6-Dinitro-2-Methylphenol	--	--	--	--	--	--
4-Bromophenylphenylether	--	--	--	--	--	--
4-Chloro-3-Methylphenol	--	--	--	--	--	--
4-Chloroanaline	--	--	240	--	--	--
4-Methylphenol (p-Cresol)	--	--	310	--	--	--
4-Nitroaniline	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--
Acenaphthene	--	--	3400	--	--	--
Acenaphthylene	--	--	--	--	--	--
Aniline	--	--	430	85	--	--
Anthracene	--	--	17000	--	--	--
Atrazine	--	--	2100	2.1	--	--
Benzo(g,h,i)perylene	--	--	--	--	--	--
Bis(2-ethylhexyl)phthalate	--	--	1200	35	--	--
Butylbenzylphthalate	--	--	12000	--	--	--
Carbazole	--	--	--	24	--	--
Di-n-butylphthalate	--	--	6100	--	--	--
Di-n-octylphthalate	--	--	--	--	--	--
Dibenzofuran	--	--	--	--	--	--
Diethylphthalate	--	--	49000	--	--	--
Dimethylphthalate	--	--	--	--	--	--
Diphenylamine	--	--	1500	--	--	--
Fluoranthene	0.0507	--	2300	--	0.00002	--
Fluorene	--	--	2300	--	--	--
Hexachlorobenzene	--	--	49	0.3	--	--
Hexachlorobutadiene	--	--	61	6.2	--	--
Hexachlorocyclopentadiene	--	--	370	--	--	--
Hexachloroethane	--	--	61	35	--	--
Naphthalene	--	--	150	3.9	--	--
Nitrobenzene	--	--	31	--	--	--
o-Toluidine	--	--	--	2.7	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR03

Chemical	Soil - mg/kg					
	Maximum Detected Concentration	Naples, Italy Background (Maximum)	USEPA RSL 30-Year Exposure		USEPA RSL 30-Year Exposure	
			NonCancer	Cancer	NCEF	CEF
Pentachlorobenzene	--	--	49	--	--	--
Pentachloronitrobenzene	--	--	180	1.9	--	--
Pentachlorophenol	--	--	1400	3	--	--
Phenanthrene	--	--	--	--	--	--
Phenol	--	--	18000	--	--	--
Pyrene	0.0447	--	1700	--	0.00003	--
Total Carcinogenic PAHS (BaP TEQs)	0.029501	--	--	0.015	--	**2.0**
Total Petroleum Hydrocarbon						
Tph (c03-c20)	--	--	--	--	--	--
Tph (c08-c40)	--	--	--	--	--	--
Volatile Organic Compounds						
1,1,1,2-Tetrachloroethane	--	--	2300	2	--	--
1,1,1-Trichloroethane	--	--	9000	--	--	--
1,1,2,2-Tetrachloroethane	--	--	--	0.59	--	--
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	--	43000	--	--	--
1,1,2-Trichloroethane	--	--	310	1.1	--	--
1,1-Dichloroethane	--	--	1100	3.4	--	--
1,1-Dichloroethene	--	--	250	--	--	--
1,2,3-Trichlorobenzene	--	--	--	--	--	--
1,2,3-Trichloropropane	--	--	470	0.091	--	--
1,2,4-Trichlorobenzene	--	--	780	180	--	--
1,2,4-Trimethylbenzene	--	--	67	--	--	--
1,2-Dibromo-3-Chloropropane	--	--	5.1	0.0056	--	--
1,2-Dibromoethane	--	--	79	0.034	--	--
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	--	--	--	--	--	--
1,2-Dichlorobenzene	--	--	2000	--	--	--
1,2-Dichloroethane	--	--	13000	0.45	--	--
1,2-Dichloropropane	--	--	17	0.93	--	--
1,3,5-Trimethylbenzene	--	--	--	--	--	--
1,3-Butadiene	--	--	2	0.077	--	--
1,3-Dichlorobenzene	--	--	--	--	--	--
1,3-Dichloropropane	--	--	1600	--	--	--
1,4-Dichlorobenzene	--	--	10000	2.6	--	--
2,2-Dichloropropane	--	--	--	--	--	--
2-Butanone (methyl ethyl ketone)	--	--	28000	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR03

	Soil - mg/kg					
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	NonCancer	Cancer	NCEF	CEF
2-Chlorotoluene	--	--	1600	--	--	--
2-Hexanone	--	--	--	--	--	--
4-Chlorotoluene	--	--	5500	--	--	--
4-Isopropyltoluene	--	--	--	--	--	--
4-Methyl-2-Pentanone	--	--	5300	--	--	--
Acetaldehyde	--	--	89	11	--	--
Acetone	--	--	61000	--	--	--
Acetonitrile	--	--	870	--	--	--
Acetophenone	--	--	7800	--	--	--
Acrolein	--	--	0.16	--	--	--
Acrylonitrile	--	--	14	0.24	--	--
Benzene	--	--	90	1.1	--	--
Bis(2-Chloroethyl)ether	--	--	--	0.19	--	--
Bis(chloromethyl)ether	--	--	--	0.00027	--	--
Bromochloromethane	--	--	--	--	--	--
Bromodichloromethane	--	--	1600	10	--	--
Bromoform	--	--	1200	61	--	--
Bromomethane	--	--	7.9	--	--	--
Carbon Disulfide	--	--	670	--	--	--
Carbon Tetrachloride	--	--	47	0.25	--	--
Chlorobenzene	--	--	310	--	--	--
Chloroethane	--	--	15000	--	--	--
Chloroform	--	--	220	0.3	--	--
Chloromethane	--	--	120	1.7	--	--
Chloroprene	--	--	8.6	--	--	--
cis-1,2-Dichloroethene	--	--	780	--	--	--
cis-1,3-Dichloropropene	--	--	--	--	--	--
Cyclohexane	--	--	7200	--	--	--
Dibromochloromethane	--	--	1200	5.8	--	--
Dibromomethane	--	--	780	--	--	--
Dichlorodifluoromethane (Freon 12)	--	--	190	--	--	--
Ethylbenzene	--	--	3600	5.7	--	--
Formaldehyde	--	--	12000	250000	--	--
Hexane	--	--	570	--	--	--
Isobutyl Alcohol	--	--	23000	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR03

	Soil - mg/kg					
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	NonCancer	Cancer	NCEF	CEF
Isophorone	--	--	12000	510	--	--
Isopropylbenzene	--	--	2200	--	--	--
m,p-Xylenes	--	--	600	--	--	--
Methyl Acetate	--	--	78000	--	--	--
Methyl tert-Butyl Ether	--	--	15000	39	--	--
Methylcyclohexane	--	--	3400	--	--	--
Methylene Chloride	--	--	1700	11	--	--
n-Butylbenzene	--	--	--	--	--	--
n-Propylbenzene	--	--	--	--	--	--
o-Xylene	--	--	5300	--	--	--
Pentachloroethane	--	--	--	--	--	--
sec-Butylbenzene	--	--	--	--	--	--
Styrene	--	--	6500	--	--	--
tert-Butylbenzene	--	--	--	--	--	--
Tetrachloroethene	--	--	380	0.57	--	--
Toluene	--	--	5000	--	--	--
trans-1,2-Dichloroethene	--	--	110	--	--	--
trans-1,3-Dichloropropene	--	--	--	--	--	--
Trans-1,4-Dichloro-2-Butene	--	--	--	--	--	--
Trichloroethene	--	--	--	2.8	--	--
Trichlorofluoromethane	--	--	800	--	--	--
Vinyl Acetate	--	--	990	--	--	--
Vinyl Chloride	--	--	74	0.06	--	--
Xylenes, Total	--	--	600	--	--	--
				TOTAL RISK	1.7	29.4
				BACKGROUND RISK	1.7	27.4
				INCREMENTAL RISK	0.03	2.0

-- = The chemical was not analyzed, not detected or no value was available.

CEF = Cancer exceedance factor. CEFs were calculated by dividing detected concentrations by cancer-based USEPA RSLs. A CEF of 1 corresponds to a cancer risk of 1x10^-6 (one in a million).

Naples, Italy Background (Maximum) = Cicchella, Domencio, et al. *Background and baseline concentration values of elements harmful to human health in the volcanic soils of the metorpolitan and provincial areas of Napoli (Italy).* Geochemistry: Exploration, Environment, Analysis Vol. 5 2005, pp.29-40.

NCEF = Noncancer exceedance factor. NCEFs were calculated by dividing detected concentrations by noncancer- based USEPA RSLs. An NCEF of 1 corresponds to a Hazard Index of 1.

RSL = Regional Screening Level

USEPA = United States Environmental Protection Agency

Fecal Coliform, Fecal Steptococcus and Total Coliforms (including Fecal Coliform and E. Coli) are reported in CFU/100 mL.

Heterotrophic Plate Count is reported in CFU/1 mL.

Risk calculations may appear to not add correctly due to rounding.

Total Risk = The risk for all chemicals.

Background Risk = The risk for chemicals (i.e., inorganic elements) that are present at concentrations less than or equal to the Naples, Italy Background (Maximum) concentrations.

Incremental Risk = The risk for chemicals that are not naturally occurring in the environment. The risk management category for this location (i.e., Acceptable or Unacceptable) is based on this risk.

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR03

	Soil Gas - mg/m3				
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	NonCancer	Cancer	NCEF	CEF
Alkane Hydrocarbon					
Octane	--	--	--	--	--
Pentadecane	--	--	--	--	--
Tridecane	--	--	--	--	--
Undecane	--	--	--	--	--
Anion					
Chloride	--	--	--	--	--
Cyanide	--	--	--	--	--
Fluoride	--	--	--	--	--
Nitrate (measured as NO3-)	--	--	--	--	--
Nitrite (measured as NO2-)	--	--	--	--	--
Phosphate	--	--	--	--	--
Sulfate	--	--	--	--	--
Dioxins/Furans					
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	--	--	0.00000000064	--	--
Disinfectants					
Chlorine (as Cl2)	--	--	--	--	--
Disinfection Byproducts					
Total Trihalomethanes	--	--	--	--	--
Field Parameters					
Dissolved Oxygen	--	--	--	--	--
Oxidation Reduction Potential	--	--	--	--	--
pH	--	--	--	--	--
Salinity	--	--	--	--	--
Specific Conductance	--	--	--	--	--
Temperature	--	--	--	--	--
Total Dissolved Solids	--	--	--	--	--
Total Solids	--	--	--	--	--
Turbidity	--	--	--	--	--
Inorganics					
Aluminum	--	0.052	--	--	--
Antimony	--	--	--	--	--
Arsenic	--	0.00031	0.0000057	--	--
Barium	--	0.0052	--	--	--
Beryllium	--	0.00021	0.00001	--	--
Cadmium (Diet)	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR03

	Soil Gas - mg/m3				
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	NonCancer	Cancer	NCEF	CEF
Cadmium (Water)	--	--	0.000014	--	--
Chromium	--	--	--	--	--
Cobalt	--	--	--	--	--
Copper	--	--	--	--	--
Iron	--	--	--	--	--
Lead	--	0.017	--	--	--
Manganese (Diet)	--	--	--	--	--
Manganese (Water)	--	0.00052	--	--	--
Mercury	--	0.0031	--	--	--
Nickel	--	--	--	--	--
Selenium	--	--	--	--	--
Silver	--	--	--	--	--
Thallium	--	--	--	--	--
Tin	--	--	--	--	--
Vanadium	--	--	--	--	--
Zinc	--	--	--	--	--
Microorganisms					
Fecal Coliform	--	--	--	--	--
Fecal Streptococcus	--	--	--	--	--
Heterotrophic Plate Count	--	--	--	--	--
Total Coliforms (including Fecal Coliform and E. Coli)	--	--	--	--	--
Pesticides					
4,4-DDD	--	--	--	--	--
4,4-DDE	--	--	--	--	--
4,4-DDT	--	--	0.00025	--	--
Aldrin	--	--	0.000005	--	--
alpha-BHC	--	--	0.000014	--	--
alpha-Chlordane	--	--	--	--	--
beta-BHC	--	--	0.000046	--	--
Chlordane	--	0.0073	0.00024	--	--
delta-BHC	--	--	--	--	--
Dieldrin	--	--	0.0000053	--	--
Endosulfan I	--	--	--	--	--
Endosulfan II	--	--	--	--	--
Endosulfan Sulfate	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR03

	Soil Gas - mg/m3				
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	NonCancer	Cancer	NCEF	CEF
Endrin	--	--	--	--	--
Endrin Aldehyde	--	--	--	--	--
gamma-BHC (Lindane)	--	--	0.000078	--	--
gamma-Chlordane	--	0.0073	0.00024	--	--
Heptachlor	--	--	0.000019	--	--
Heptachlor Epoxide	--	--	0.0000094	--	--
Methoxychlor	--	--	--	--	--
Toxaphene	--	--	0.000076	--	--
Polychlorinated bi-phenyls					
Aroclor 1016	--	--	0.0012	--	--
Aroclor 1016/1260	--	--	0.000043	--	--
Aroclor 1221	--	--	0.000043	--	--
Aroclor 1232	--	--	0.000043	--	--
Aroclor 1242	--	--	0.000043	--	--
Aroclor 1248	--	--	0.000043	--	--
Aroclor 1254	--	--	0.000043	--	--
Aroclor 1260	--	--	0.000043	--	--
Radionuclides					
Uranium	--	--	--	--	--
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	--	--	--	--	--
2,4,5-Trichlorophenol	--	--	--	--	--
2,4,6-Trichlorophenol	--	--	0.0078	--	--
2,4-Dichlorophenol	--	--	--	--	--
2,4-Dimethylphenol	--	--	--	--	--
2,4-Dinitrophenol	--	--	--	--	--
2,4-Dinitrotoluene	--	--	--	--	--
2,6-Dichlorophenol	--	--	--	--	--
2,6-Dinitrotoluene	--	--	--	--	--
2-Chloronaphthalene	--	--	--	--	--
2-Chlorophenol	--	--	--	--	--
2-Methylnaphthalene	--	--	--	--	--
2-Methylphenol (o-Cresol)	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR03

	Soil Gas - mg/m3				
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	NonCancer	Cancer	NCEF	CEF
2-Nitrophenol	--	--	--	--	--
3&4-Methylphenol	--	--	--	--	--
3-Methylphenol	--	--	--	--	--
3-Nitroaniline	--	--	--	--	--
4,6-Dinitro-2-Methylphenol	--	--	--	--	--
4-Bromophenylphenylether	--	--	--	--	--
4-Chloro-3-Methylphenol	--	--	--	--	--
4-Chloroanaline	--	--	--	--	--
4-Methylphenol (p-Cresol)	--	--	--	--	--
4-Nitroaniline	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--
Acenaphthene	--	--	--	--	--
Acenaphthylene	--	--	--	--	--
Aniline	--	0.01	--	--	--
Anthracene	--	--	--	--	--
Atrazine	--	--	--	--	--
Benzo(g,h,i)perylene	--	--	--	--	--
Bis(2-ethylhexyl)phthalate	--	--	--	--	--
Butylbenzylphthalate	--	--	--	--	--
Carbazole	--	--	--	--	--
Di-n-butylphthalate	--	--	--	--	--
Di-n-octylphthalate	--	--	--	--	--
Dibenzofuran	--	--	--	--	--
Diethylphthalate	--	--	--	--	--
Dimethylphthalate	--	--	--	--	--
Diphenylamine	--	--	--	--	--
Fluoranthene	--	--	--	--	--
Fluorene	--	--	--	--	--
Hexachlorobenzene	--	--	0.000053	--	--
Hexachlorobutadiene	--	--	0.0011	--	--
Hexachlorocyclopentadiene	--	0.0021	--	--	--
Hexachloroethane	--	--	0.0061	--	--
Naphthalene	--	0.031	0.00072	--	--
Nitrobenzene	--	0.021	--	--	--
o-Toluidine	--	--	0.00048	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR03

	Soil Gas - mg/m3				
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	NonCancer	Cancer	NCEF	CEF
Pentachlorobenzene	--	--	--	--	--
Pentachloronitrobenzene	--	--	--	--	--
Pentachlorophenol	--	--	--	--	--
Phenanthrene	--	--	--	--	--
Phenol	--	2.1	--	--	--
Pyrene	--	--	--	--	--
Total Carcinogenic PAHS (BaP TEQs)	--	--	0.0000087	--	--
Total Petroleum Hydrocarbon					
Tph (c03-c20)	0.00828	--	--	--	--
Tph (c08-c40)	--	--	--	--	--
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	--	--	0.0033	--	--
1,1,1-Trichloroethane	--	52	--	--	--
1,1,2,2-Tetrachloroethane	--	--	0.00042	--	--
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	310	--	--	--
1,1,2-Trichloroethane	--	--	0.0015	--	--
1,1-Dichloroethane	--	5.2	0.015	--	--
1,1-Dichloroethene	--	2.1	--	--	--
1,2,3-Trichlorobenzene	--	--	--	--	--
1,2,3-Trichloropropane	--	--	--	--	--
1,2,4-Trichlorobenzene	--	--	--	--	--
1,2,4-Trimethylbenzene	--	0.073	--	--	--
1,2-Dibromo-3-Chloropropane	--	0.0021	0.0000016	--	--
1,2-Dibromoethane	--	0.094	0.000041	--	--
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	--	--	--	--	--
1,2-Dichlorobenzene	--	2.1	--	--	--
1,2-Dichloroethane	--	25	0.00094	--	--
1,2-Dichloropropane	--	0.042	0.0024	--	--
1,3,5-Trimethylbenzene	--	--	--	--	--
1,3-Butadiene	--	0.021	0.00081	--	--
1,3-Dichlorobenzene	--	--	--	--	--
1,3-Dichloropropane	--	--	--	--	--
1,4-Dichlorobenzene	--	8.299999999999999	0.0022	--	--
2,2-Dichloropropane	--	--	--	--	--
2-Butanone (methyl ethyl ketone)	--	52	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR03

	Soil Gas - mg/m3				
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	NonCancer	Cancer	NCEF	CEF
2-Chlorotoluene	--	--	--	--	--
2-Hexanone	--	--	--	--	--
4-Chlorotoluene	--	--	--	--	--
4-Isopropyltoluene	--	--	--	--	--
4-Methyl-2-Pentanone	--	31	--	--	--
Acetaldehyde	--	0.094	0.011	--	--
Acetone	--	320	--	--	--
Acetonitrile	--	0.63	--	--	--
Acetophenone	--	--	--	--	--
Acrolein	--	0.00021	--	--	--
Acrylonitrile	--	0.021	0.00036	--	--
Benzene	--	0.31	0.0031	--	--
Bis(2-Chloroethyl)ether	--	--	0.000074	--	--
Bis(chloromethyl)ether	--	--	0.00000039	--	--
Bromochloromethane	--	--	--	--	--
Bromodichloromethane	--	--	--	--	--
Bromoform	--	--	0.022	--	--
Bromomethane	--	0.052	--	--	--
Carbon Disulfide	--	7.3	--	--	--
Carbon Tetrachloride	--	2	0.0016	--	--
Chlorobenzene	--	0.52	--	--	--
Chloroethane	--	100	--	--	--
Chloroform	--	1	0.0011	--	--
Chloromethane	--	0.94	0.014	--	--
Chloroprene	--	0.073	--	--	--
cis-1,2-Dichloroethene	--	--	--	--	--
cis-1,3-Dichloropropene	--	--	--	--	--
Cyclohexane	--	63	--	--	--
Dibromochloromethane	--	--	--	--	--
Dibromomethane	--	--	--	--	--
Dichlorodifluoromethane (Freon 12)	--	2.1	--	--	--
Ethylbenzene	--	10	0.0097	--	--
Formaldehyde	--	0.1	0.0019	--	--
Hexane	--	7.3	--	--	--
Isobutyl Alcohol	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR03

	Soil Gas - mg/m3				
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	NonCancer	Cancer	NCEF	CEF
Isophorone	--	21	--	--	--
Isopropylbenzene	--	4.2	--	--	--
m,p-Xylenes	--	1	--	--	--
Methyl Acetate	--	--	--	--	--
Methyl tert-Butyl Ether	--	31	0.094	--	--
Methylcyclohexane	--	31	--	--	--
Methylene Chloride	--	11	0.052	--	--
n-Butylbenzene	--	--	--	--	--
n-Propylbenzene	--	--	--	--	--
o-Xylene	--	7.3	--	--	--
Pentachloroethane	--	--	--	--	--
sec-Butylbenzene	--	--	--	--	--
Styrene	--	10	--	--	--
tert-Butylbenzene	--	--	--	--	--
Tetrachloroethene	0.002543782	2.8	0.0041	0.0009	0.6
Toluene	--	52	--	--	--
trans-1,2-Dichloroethene	--	0.63	--	--	--
trans-1,3-Dichloropropene	--	--	--	--	--
Trans-1,4-Dichloro-2-Butene	--	--	--	--	--
Trichloroethene	--	--	0.012	--	--
Trichlorofluoromethane	--	7.3	--	--	--
Vinyl Acetate	--	2.1	--	--	--
Vinyl Chloride	--	1	0.0016	--	--
Xylenes, Total	--	1	--	--	--
			TOTAL RISK	0.0009	0.6
			BACKGROUND RISK	0	0
			INCREMENTAL RISK	0.0009	0.6

-- = The chemical was not analyzed, not detected or no value was available.
CEF = Cancer exceedance factor. CEFs were calculated by dividing detected concentrations by cancer-based USEPA RSLs.
A CEF of 1 corresponds to a cancer risk of 1x10^-6 (one in a million).
NCEF = Noncancer exceedance factor. NCEFs were calculated by dividing detected concentrations by noncancer- based USEPA RSLs.
An NCEF of 1 corresponds to a Hazard Index of 1.
RSL = Regional Screening Level
USEPA = United States Environmental Protection Agency
Fecal Coliform, Fecal Steptococcus and Total Coliforms (including Fecal Coliform and E. Coli) are reported in CFU/100 mL.
Heterotrophic Plate Count is reported in CFU/1 mL.
Risk calculations may appear to not add correctly due to rounding.

Total Risk = The risk for all chemicals.
Background Risk = None of the volatile organic chemicals tested for in the soil gas samples are naturally occurring. Therefore, the background risk is zero.
Incremental Risk = The Total Risk. The risk management category for this location (i.e., Acceptable or Unacceptable) is based on this risk.

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR03

	Tap Water - mg/L										
			USEPA RSL					USEPA RSL			
			30-Year Exposure					30-Year Exposure			
			Inhalation		Ingestion			Inhalation		Ingestion	
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	NCEF	CEF	NCEF	CEF
Alkane Hydrocarbon											
Octane	--	--	--	--	--	--	--	--	--	--	--
Pentadecane	--	--	--	--	--	--	--	--	--	--	--
Tridecane	--	--	--	--	--	--	--	--	--	--	--
Undecane	--	--	--	--	--	--	--	--	--	--	--
Anion											
Chloride	11.5	--	--	--	--	--	--	--	--	--	--
Cyanide	--	0.2	--	--	0.73	--	--	--	--	--	--
Fluoride	--	4	--	--	--	--	--	--	--	--	--
Nitrate (measured as NO3-)	2.43	44.3	--	--	255.2	--	0.05	--	--	0.010	--
Nitrite (measured as NO2-)	--	3.29	--	--	12.21	--	--	--	--	--	--
Phosphate	--	--	--	--	--	--	--	--	--	--	--
Sulfate	7.24	--	--	--	--	--	--	--	--	--	--
Dioxins/Furans											
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.000000000058	0.00000003	--	--	0.000000037	0.0000000005	0.002	--	--	0.002	0.1
Disinfectants											
Chlorine (as Cl2)	0.02	4.01	--	--	--	--	0.005	--	--	--	--
Disinfection Byproducts											
Total Trihalomethanes	0.002447	0.0807	--	--	--	--	0.03	--	--	--	--
Field Parameters											
Dissolved Oxygen	7.47	--	--	--	--	--	--	--	--	--	--
Oxidation Reduction Potential	353	--	--	--	--	--	--	--	--	--	--
pH	7.3	--	--	--	--	--	--	--	--	--	--
Salinity	--	--	--	--	--	--	--	--	--	--	--
Specific Conductance	0.75	--	--	--	--	--	--	--	--	--	--
Temperature	26.9	--	--	--	--	--	--	--	--	--	--
Total Dissolved Solids	--	--	--	--	--	--	--	--	--	--	--
Total Solids	--	--	--	--	--	--	--	--	--	--	--
Turbidity	33	--	--	--	--	--	--	--	--	--	--
Inorganics											
Aluminum	--	--	--	--	37	--	--	--	--	--	--
Antimony	0.000883	0.006	--	--	0.015	--	0.1	--	--	0.06	--
Arsenic	0.00359	0.01	--	--	0.011	0.000045	0.4	--	--	0.3	**79.8**
Barium	0.0123	2	--	--	7.3	--	0.006	--	--	0.002	--
Beryllium	--	0.004	--	--	0.073	--	--	--	--	--	--
Cadmium (Diet)	--	--	--	--	--	--	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR03

	Tap Water - mg/L										
			USEPA RSL					USEPA RSL			
			30-Year Exposure					30-Year Exposure			
			Inhalation		Ingestion			Inhalation		Ingestion	
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	NCEF	CEF	NCEF	CEF
Cadmium (Water)	0.000541	0.005	--	--	0.018	--	0.1	--	--	0.03	--
Chromium	--	0.1	--	--	--	--	--	--	--	--	--
Cobalt	0.00153	--	--	--	--	--	--	--	--	--	--
Copper	0.165	--	--	--	1.5	--	--	--	--	0.1	--
Iron	0.00851	--	--	--	26	--	--	--	--	0.0003	--
Lead	0.00886	--	--	--	0.02	--	--	--	--	0.4	--
Manganese (Diet)	--	--	--	--	--	--	--	--	--	--	--
Manganese (Water)	0.0515	--	--	--	0.88	--	--	--	--	0.06	--
Mercury	0.000042	0.002	0.00063	--	--	--	0.02	0.07	--	--	--
Nickel	4.38	--	--	--	0.73	--	--	--	--	6.0	--
Selenium	--	0.05	--	--	0.18	--	--	--	--	--	--
Silver	--	--	--	--	0.18	--	--	--	--	--	--
Thallium	--	0.002	--	--	0.0024	--	--	--	--	--	--
Tin	--	--	--	--	22	--	--	--	--	--	--
Vanadium	--	--	--	--	0.26	--	--	--	--	--	--
Zinc	1.98	--	--	--	11	--	--	--	--	0.2	--
Microorganisms											
Fecal Coliform	--	0	--	--	--	--	--	--	--	--	--
Fecal Streptococcus	0	--	--	--	--	--	--	--	--	--	--
Heterotrophic Plate Count	1980	--	--	--	--	--	--	--	--	--	--
Total Coliforms (including Fecal Coliform and E. Coli)	--	0	--	--	--	--	--	--	--	--	--
Pesticides											
4,4-DDD	--	--	--	--	--	0.00028	--	--	--	--	--
4,4-DDE	--	--	--	--	--	0.0002	--	--	--	--	--
4,4-DDT	--	--	--	--	0.018	0.0002	--	--	--	--	--
Aldrin	--	--	--	--	0.0011	0.000004	--	--	--	--	--
alpha-BHC	--	--	--	--	--	0.000011	--	--	--	--	--
alpha-Chlordane	--	0.002	--	--	--	--	--	--	--	--	--
beta-BHC	--	--	--	--	--	0.000037	--	--	--	--	--
Chlordane	--	0.002	--	--	0.018	0.00019	--	--	--	--	--
delta-BHC	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	--	--	--	--	0.0018	0.0000042	--	--	--	--	--
Endosulfan I	--	--	--	--	--	--	--	--	--	--	--
Endosulfan II	--	--	--	--	--	--	--	--	--	--	--
Endosulfan Sulfate	--	--	--	--	--	--	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR03

	Tap Water - mg/L										
			USEPA RSL					USEPA RSL			
			30-Year Exposure					30-Year Exposure			
			Inhalation		Ingestion			Inhalation		Ingestion	
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	NCEF	CEF	NCEF	CEF
Endrin	--	0.002	--	--	0.011	--	--	--	--	--	--
Endrin Aldehyde	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC (Lindane)	--	0.0002	--	--	0.011	0.000061	--	--	--	--	--
gamma-Chlordane	--	0.002	--	--	0.018	0.00019	--	--	--	--	--
Heptachlor	--	0.0004	--	--	0.018	0.000015	--	--	--	--	--
Heptachlor Epoxide	--	0.0002	--	--	0.00047	0.0000074	--	--	--	--	--
Methoxychlor	--	0.04	--	--	0.18	--	--	--	--	--	--
Toxaphene	--	0.003	--	--	--	0.000061	--	--	--	--	--
Polychlorinated bi-phenyls											
Aroclor 1016	--	--	--	--	0.0026	0.00096	--	--	--	--	--
Aroclor 1016/1260	--	--	--	--	0.0026	0.000034	--	--	--	--	--
Aroclor 1221	--	--	--	0.0000085	--	0.000034	--	--	--	--	--
Aroclor 1232	--	--	--	0.0000085	--	0.000034	--	--	--	--	--
Aroclor 1242	--	--	--	--	--	0.000034	--	--	--	--	--
Aroclor 1248	--	--	--	--	--	0.000034	--	--	--	--	--
Aroclor 1254	--	--	--	--	0.00073	0.000034	--	--	--	--	--
Aroclor 1260	--	--	--	--	--	0.000034	--	--	--	--	--
Radionuclides											
Uranium	0.000704	0.03	--	--	0.11	--	0.02	--	--	0.006	--
Semi-Volatile Organic Compounds											
1,1'-Biphenyl	--	--	--	--	1.8	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	--	--	--	--	0.011	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	--	--	--	--	1.1	--	--	--	--	--	--
2,4,5-Trichlorophenol	--	--	--	--	3.7	--	--	--	--	--	--
2,4,6-Trichlorophenol	--	--	--	--	0.037	0.0061	--	--	--	--	--
2,4-Dichlorophenol	--	--	--	--	0.11	--	--	--	--	--	--
2,4-Dimethylphenol	--	--	--	--	0.73	--	--	--	--	--	--
2,4-Dinitrophenol	--	--	--	--	0.073	--	--	--	--	--	--
2,4-Dinitrotoluene	--	--	--	--	0.073	--	--	--	--	--	--
2,6-Dichlorophenol	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	--	--	--	--	0.037	--	--	--	--	--	--
2-Chloronaphthalene	--	--	--	--	2.9	--	--	--	--	--	--
2-Chlorophenol	--	--	--	--	0.18	--	--	--	--	--	--
2-Methylnaphthalene	--	--	--	--	0.15	--	--	--	--	--	--
2-Methylphenol (o-Cresol)	--	--	--	--	1.8	--	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR03

	Tap Water - mg/L										
			USEPA RSL					USEPA RSL			
			30-Year Exposure					30-Year Exposure			
			Inhalation		Ingestion			Inhalation		Ingestion	
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	NCEF	CEF	NCEF	CEF
2-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--
3&4-Methylphenol	--	--	--	--	0.18	--	--	--	--	--	--
3-Methylphenol	--	--	--	--	1.8	--	--	--	--	--	--
3-Nitroaniline	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-Methylphenol	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenylphenylether	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-Methylphenol	--	--	--	--	--	--	--	--	--	--	--
4-Chloroanaline	--	--	--	--	0.15	--	--	--	--	--	--
4-Methylphenol (p-Cresol)	--	--	--	--	0.18	--	--	--	--	--	--
4-Nitroaniline	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	--	--	--	--	2.2	--	--	--	--	--	--
Acenaphthylene	--	--	--	--	--	--	--	--	--	--	--
Aniline	--	--	--	--	0.26	0.012	--	--	--	--	--
Anthracene	--	--	--	--	11	--	--	--	--	--	--
Atrazine	--	0.003	--	--	1.3	0.00029	--	--	--	--	--
Benzo(g,h,i)perylene	--	--	--	--	--	--	--	--	--	--	--
Bis(2-ethylhexyl)phthalate	--	0.006	--	--	0.73	0.0048	--	--	--	--	--
Butylbenzylphthalate	--	--	--	--	7.3	--	--	--	--	--	--
Carbazole	--	--	--	--	--	0.0034	--	--	--	--	--
Di-n-butylphthalate	--	--	--	--	3.7	--	--	--	--	--	--
Di-n-octylphthalate	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	--	--	--	--	--	--	--	--	--	--	--
Diethylphthalate	--	--	--	--	29	--	--	--	--	--	--
Dimethylphthalate	--	--	--	--	--	--	--	--	--	--	--
Diphenylamine	--	--	--	--	0.91	--	--	--	--	--	--
Fluoranthene	--	--	--	--	1.5	--	--	--	--	--	--
Fluorene	--	--	--	--	1.5	--	--	--	--	--	--
Hexachlorobenzene	--	0.001	--	--	0.029	0.000042	--	--	--	--	--
Hexachlorobutadiene	--	--	--	--	0.037	0.00086	--	--	--	--	--
Hexachlorocyclopentadiene	--	0.05	--	--	0.22	--	--	--	--	--	--
Hexachloroethane	--	--	--	--	0.037	0.0048	--	--	--	--	--
Naphthalene	--	--	0.0063	0.00014	0.73	--	--	--	--	--	--
Nitrobenzene	--	--	0.0042	--	0.018	--	--	--	--	--	--
o-Toluidine	--	--	--	--	--	0.00037	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR03

	Tap Water - mg/L										
			USEPA RSL					USEPA RSL			
			30-Year Exposure					30-Year Exposure			
			Inhalation		Ingestion			Inhalation		Ingestion	
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	NCEF	CEF	NCEF	CEF
Pentachlorobenzene	--	--	--	--	0.029	--	--	--	--	--	--
Pentachloronitrobenzene	--	--	--	--	0.11	0.00026	--	--	--	--	--
Pentachlorophenol	--	0.001	--	--	1.1	0.00056	--	--	--	--	--
Phenanthrene	--	--	--	--	--	--	--	--	--	--	--
Phenol	--	--	--	--	11	--	--	--	--	--	--
Pyrene	--	--	--	--	1.1	--	--	--	--	--	--
Total Carcinogenic PAHS (BaP TEQs)	--	0.0002	--	--	--	0.0000029	--	--	--	--	--
Total Petroleum Hydrocarbon											
Tph (c03-c20)	--	--	--	--	--	--	--	--	--	--	--
Tph (c08-c40)	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds											
1,1,1,2-Tetrachloroethane	--	--	--	0.00066	1.1	0.0026	--	--	--	--	--
1,1,1-Trichloroethane	--	0.2	10	--	73	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	--	--	--	0.000084	--	0.00034	--	--	--	--	--
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	--	63	--	1100	--	--	--	--	--	--
1,1,2-Trichloroethane	--	0.005	--	0.0003	0.15	0.0012	--	--	--	--	--
1,1-Dichloroethane	--	--	1	0.003	7.3	0.012	--	--	--	--	--
1,1-Dichloroethene	--	0.007	0.42	--	1.8	--	--	--	--	--	--
1,2,3-Trichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	--	--	--	--	0.22	0.0000096	--	--	--	--	--
1,2,4-Trichlorobenzene	--	0.07	--	--	0.37	0.019	--	--	--	--	--
1,2,4-Trimethylbenzene	--	--	0.015	--	--	--	--	--	--	--	--
1,2-Dibromo-3-Chloropropane	--	0.0002	0.00042	0.00000032	0.0073	0.000027	--	--	--	--	--
1,2-Dibromoethane	--	0.00005	0.019	0.0000081	0.33	0.000034	--	--	--	--	--
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	--	0.6	0.42	--	3.3	--	--	--	--	--	--
1,2-Dichloroethane	--	0.005	5.1	0.00019	--	0.00074	--	--	--	--	--
1,2-Dichloropropane	--	0.005	0.0083	0.00049	--	0.0019	--	--	--	--	--
1,3,5-Trimethylbenzene	--	--	--	--	--	--	--	--	--	--	--
1,3-Butadiene	--	--	0.0042	0.00016	--	--	--	--	--	--	--
1,3-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	--	--	--	--	0.73	--	--	--	--	--	--
1,4-Dichlorobenzene	--	0.075	1.7	0.00044	--	0.012	--	--	--	--	--
2,2-Dichloropropane	--	--	--	--	--	--	--	--	--	--	--
2-Butanone (methyl ethyl ketone)	--	--	10	--	22	--	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR03

	Tap Water - mg/L										
			USEPA RSL					USEPA RSL			
			30-Year Exposure					30-Year Exposure			
			Inhalation		Ingestion			Inhalation		Ingestion	
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	NCEF	CEF	NCEF	CEF
2-Chlorotoluene	--	--	--	--	0.73	--	--	--	--	--	--
2-Hexanone	--	--	--	--	--	--	--	--	--	--	--
4-Chlorotoluene	--	--	--	--	2.6	--	--	--	--	--	--
4-Isopropyltoluene	--	--	--	--	--	--	--	--	--	--	--
4-Methyl-2-Pentanone	--	--	6.3	--	2.9	--	--	--	--	--	--
Acetaldehyde	--	--	0.019	0.0022	--	--	--	--	--	--	--
Acetone	--	--	64	--	33	--	--	--	--	--	--
Acetonitrile	--	--	0.13	--	--	--	--	--	--	--	--
Acetophenone	--	--	--	--	3.7	--	--	--	--	--	--
Acrolein	--	--	0.000042	--	0.018	--	--	--	--	--	--
Acrylonitrile	--	--	0.0042	0.000072	0.037	0.00012	--	--	--	--	--
Benzene	--	0.005	0.063	0.00062	0.15	0.0012	--	--	--	--	--
Bis(2-Chloroethyl)ether	--	--	--	0.000015	--	0.000061	--	--	--	--	--
Bis(chloromethyl)ether	--	--	--	0.000000078	--	0.00000031	--	--	--	--	--
Bromochloromethane	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	0.000144	--	--	--	0.73	0.0011	--	--	--	0.0002	0.1
Bromoform	0.00176	--	--	--	0.73	0.0085	--	--	--	0.002	0.2
Bromomethane	--	--	0.01	--	0.051	--	--	--	--	--	--
Carbon Disulfide	--	--	1.5	--	3.7	--	--	--	--	--	--
Carbon Tetrachloride	--	0.005	0.39	0.00032	0.026	0.00052	--	--	--	--	--
Chlorobenzene	--	0.1	0.1	--	0.73	--	--	--	--	--	--
Chloroethane	--	--	21	--	--	--	--	--	--	--	--
Chloroform	0.000108	--	0.2	0.00021	0.37	0.0022	--	0.0005	0.5	0.0003	0.05
Chloromethane	0.000215	--	0.19	0.0027	--	0.0052	--	0.001	0.08	--	0.04
Chloroprene	--	--	0.015	--	0.73	--	--	--	--	--	--
cis-1,2-Dichloroethene	--	0.07	--	--	0.37	--	--	--	--	--	--
cis-1,3-Dichloropropene	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	--	--	13	--	--	--	--	--	--	--	--
Dibromochloromethane	0.000435	--	--	--	0.73	0.0008	--	--	--	0.0006	0.5
Dibromomethane	--	--	--	--	0.37	--	--	--	--	--	--
Dichlorodifluoromethane (Freon 12)	--	--	0.42	--	7.3	--	--	--	--	--	--
Ethylbenzene	--	0.7	2.1	0.0019	3.7	0.0061	--	--	--	--	--
Formaldehyde	--	--	--	--	7.3	--	--	--	--	--	--
Hexane	--	--	1.5	--	2.2	--	--	--	--	--	--
Isobutyl Alcohol	--	--	--	--	11	--	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR03

	Tap Water - mg/L										
			USEPA RSL					USEPA RSL			
			30-Year Exposure					30-Year Exposure			
			Inhalation		Ingestion			Inhalation		Ingestion	
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	NCEF	CEF	NCEF	CEF
Isophorone	--	--	--	--	7.3	0.071	--	--	--	--	--
Isopropylbenzene	--	--	0.83	--	3.7	--	--	--	--	--	--
m,p-Xylenes	--	--	0.21	--	7.3	--	--	--	--	--	--
Methyl Acetate	--	--	--	--	37	--	--	--	--	--	--
Methyl tert-Butyl Ether	--	--	6.3	0.019	--	0.037	--	--	--	--	--
Methylcyclohexane	--	--	6.3	--	--	--	--	--	--	--	--
Methylene Chloride	--	0.005	2.2	0.01	2.2	0.009	--	--	--	--	--
n-Butylbenzene	--	--	--	--	--	--	--	--	--	--	--
n-Propylbenzene	--	--	--	--	--	--	--	--	--	--	--
o-Xylene	--	--	1.5	--	73	--	--	--	--	--	--
Pentachloroethane	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	--	--	--	--	--	--	--	--	--	--	--
Styrene	--	0.1	2.1	--	7.3	--	--	--	--	--	--
tert-Butylbenzene	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	--	0.005	0.57	0.00082	0.37	0.00012	--	--	--	--	--
Toluene	--	1	10	--	2.9	--	--	--	--	--	--
trans-1,2-Dichloroethene	--	0.1	0.13	--	0.73	--	--	--	--	--	--
trans-1,3-Dichloropropene	--	--	--	--	--	--	--	--	--	--	--
Trans-1,4-Dichloro-2-Butene	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	--	0.005	--	0.0024	--	0.0052	--	--	--	--	--
Trichlorofluoromethane	--	--	1.5	--	11	--	--	--	--	--	--
Vinyl Acetate	--	--	0.42	--	37	--	--	--	--	--	--
Vinyl Chloride	--	0.002	0.21	0.00032	0.11	0.000017	--	--	--	--	--
Xylenes, Total	--	10	0.21	--	7.3	--	--	--	--	--	--
							TOTAL RISK	0.07	0.6	7.2	80.9
							BACKGROUND RISK	0.07	0	6.7	79.8
							INCREMENTAL RISK	0.002	0.6	0.6	1.1

-- = The chemical was not analyzed, not detected or no value was available.
CEF = Cancer exceedance factor. CEFs were calculated by dividing detected concentrations by cancer-based USEPA RSLs.
A CEF of 1 corresponds to a cancer risk of 1x10^-6 (one in a million).
NCEF = Noncancer exceedance factor. NCEFs were calculated by dividing detected concentrations by noncancer-based USEPA RSLs.
An NCEF of 1 corresponds to a Hazard Index of 1.
RSL = Regional Screening Level
USEPA = United States Environmental Protection Agency
USEPA MCL EF = USEPA Maximum Contaminant Level Exceedance Factor. USEPA MCL EFs were calculated by dividing detected concentrations by the USEPA MCLs.
USEPA MCL = USEPA Maximum Contaminant Levels (http://www.epa.gov/ogwdw/contaminants/index.html).
Fecal Coliform, Fecal Steptococcus and Total Coliforms (including Fecal Coliform and E. Coli) are reported in CFU/100 mL (CFU = colony forming units).
Heterotrophic Plate Count is reported in CFU/1 mL.
Risk calculations may appear to not add correctly due to rounding.

Total Risk = The risk for all chemicals.
Background Risk = The risk for chemicals (i.e., inorganic elements) that are naturally occurring in the environment but does not include lead, copper and thallium.
Incremental Risk = The risk for chemicals that are not naturally occurring in the environment. The risk management category for this location
(i.e., Acceptable or Unacceptable) is based on this risk. This includes lead, copper and thallium.
The ingestion exceedance factors are presented for informational purposes only. The risk-management decision (i.e., Acceptable or Unacceptable) will be made
based on inhalation because the Navy leadership has stated that all personnel should be using bottled water for drinking, cooking, and brushing teeth.

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR05

Chemical	Soil - mg/kg					
	Maximum Detected Concentration	Naples, Italy Background (Maximum)	USEPA RSL 30-Year Exposure		USEPA RSL 30-Year Exposure	
			NonCancer	Cancer	NCEF	CEF
Alkane Hydrocarbon						
Octane	--	--	--	--	--	--
Pentadecane	--	--	--	--	--	--
Tridecane	--	--	--	--	--	--
Undecane	--	--	--	--	--	--
Anion						
Chloride	--	--	--	--	--	--
Cyanide	--	--	1600	--	--	--
Fluoride	--	--	--	--	--	--
Nitrate (measured as NO3-)	--	--	572000	--	--	--
Nitrite (measured as NO2-)	--	--	25740	--	--	--
Phosphate	--	--	--	--	--	--
Sulfate	--	--	--	--	--	--
Dioxins/Furans						
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.00000066897	--	0.000072	0.0000045	0.009	0.1
Disinfectants						
Chlorine (as Cl2)	--	--	--	--	--	--
Disinfection Byproducts						
Total Trihalomethanes	--	--	--	--	--	--
Field Parameters						
Dissolved Oxygen	--	--	--	--	--	--
Oxidation Reduction Potential	--	--	--	--	--	--
pH	--	--	--	--	--	--
Salinity	--	--	--	--	--	--
Specific Conductance	--	--	--	--	--	--
Temperature	--	--	--	--	--	--
Total Dissolved Solids	--	--	--	--	--	--
Total Solids	89.09999999999999	--	--	--	--	--
Turbidity	--	--	--	--	--	--
Inorganics						
Aluminum	40100	86900	77000	--	0.5	--
Antimony	0.386	42.8	31	--	0.01	--
Arsenic	12	164	22	0.39	0.5	**30.8**
Barium	308	1813	15000	--	0.02	--
Beryllium	4.97	--	160	1400	0.03	0.004
Cadmium (Diet)	0.214	10.6	70	1800	0.003	0.0001

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR05

	Soil - mg/kg					
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	NonCancer	Cancer	NCEF	CEF
Cadmium (Water)	--	--	--	--	--	--
Chromium	5.61	579	--	--	--	--
Cobalt	4.42	36.6	--	--	--	--
Copper	29.3	3965	3100	--	0.009	--
Iron	19500	154600	55000	--	0.4	--
Lead	35.7	2052	400	--	0.09	--
Manganese (Diet)	539	5923	--	--	--	--
Manganese (Water)	--	--	1800	--	--	--
Mercury	--	2.66	6.7	--	--	--
Nickel	4.83	689	1600	--	0.003	--
Selenium	--	1.9	390	--	--	--
Silver	0.122	8.132	390	--	0.0003	--
Thallium	1.58	69	5.1	--	0.3	--
Tin	2.46	--	47000	--	0.00005	--
Vanadium	43.7	187	550	--	0.08	--
Zinc	54.4	3211	23000	--	0.002	--
Microorganisms						
Fecal Coliform	--	--	--	--	--	--
Fecal Streptococcus	--	--	--	--	--	--
Heterotrophic Plate Count	--	--	--	--	--	--
Total Coliforms (including Fecal Coliform and E. Coli)	--	--	--	--	--	--
Pesticides						
4,4-DDD	--	--	--	2	--	--
4,4-DDE	--	--	--	1.4	--	--
4,4-DDT	--	--	36	1.7	--	--
Aldrin	--	--	1.8	0.029	--	--
alpha-BHC	--	--	--	0.077	--	--
alpha-Chlordane	--	--	--	--	--	--
beta-BHC	--	--	--	0.27	--	--
Chlordane	--	--	35	1.6	--	--
delta-BHC	--	--	--	--	--	--
Dieldrin	--	--	3.1	0.03	--	--
Endosulfan I	--	--	--	--	--	--
Endosulfan II	--	--	--	--	--	--
Endosulfan Sulfate	--	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR05

Chemical	Soil - mg/kg					
	Maximum Detected Concentration	Naples, Italy Background (Maximum)	USEPA RSL 30-Year Exposure		USEPA RSL 30-Year Exposure	
			NonCancer	Cancer	NCEF	CEF
Endrin	--	--	18	--	--	--
Endrin Aldehyde	--	--	--	--	--	--
gamma-BHC (Lindane)	--	--	21	0.52	--	--
gamma-Chlordane	--	--	35	1.6	--	--
Heptachlor	--	--	31	0.11	--	--
Heptachlor Epoxide	--	--	0.79	0.053	--	--
Methoxychlor	--	--	310	--	--	--
Toxaphene	--	--	--	0.44	--	--
Polychlorinated bi-phenyls						
Aroclor 1016	--	--	3.9	6.3	--	--
Aroclor 1016/1260	--	--	3.9	0.22	--	--
Aroclor 1221	--	--	--	0.17	--	--
Aroclor 1232	--	--	--	0.17	--	--
Aroclor 1242	--	--	--	0.22	--	--
Aroclor 1248	--	--	--	0.22	--	--
Aroclor 1254	--	--	1.1	0.22	--	--
Aroclor 1260	--	--	--	0.22	--	--
Radionuclides						
Uranium	--	--	230	--	--	--
Semi-Volatile Organic Compounds						
1,1'-Biphenyl	--	--	3900	--	--	--
1,2,4,5-Tetrachlorobenzene	--	--	18	--	--	--
2,3,4,6-Tetrachlorophenol	--	--	1800	--	--	--
2,4,5-Trichlorophenol	--	--	6100	--	--	--
2,4,6-Trichlorophenol	--	--	61	44	--	--
2,4-Dichlorophenol	--	--	180	--	--	--
2,4-Dimethylphenol	--	--	1200	--	--	--
2,4-Dinitrophenol	--	--	120	--	--	--
2,4-Dinitrotoluene	--	--	120	--	--	--
2,6-Dichlorophenol	--	--	--	--	--	--
2,6-Dinitrotoluene	--	--	61	--	--	--
2-Chloronaphthalene	--	--	6300	--	--	--
2-Chlorophenol	--	--	390	--	--	--
2-Methylnaphthalene	--	--	310	--	--	--
2-Methylphenol (o-Cresol)	--	--	3100	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR05

	Soil - mg/kg					
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	NonCancer	Cancer	NCEF	CEF
2-Nitrophenol	--	--	--	--	--	--
3&4-Methylphenol	--	--	310	--	--	--
3-Methylphenol	--	--	3100	--	--	--
3-Nitroaniline	--	--	--	--	--	--
4,6-Dinitro-2-Methylphenol	--	--	--	--	--	--
4-Bromophenylphenylether	--	--	--	--	--	--
4-Chloro-3-Methylphenol	--	--	--	--	--	--
4-Chloroanaline	--	--	240	--	--	--
4-Methylphenol (p-Cresol)	--	--	310	--	--	--
4-Nitroaniline	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--
Acenaphthene	--	--	3400	--	--	--
Acenaphthylene	--	--	--	--	--	--
Aniline	--	--	430	85	--	--
Anthracene	--	--	17000	--	--	--
Atrazine	--	--	2100	2.1	--	--
Benzo(g,h,i)perylene	--	--	--	--	--	--
Bis(2-ethylhexyl)phthalate	--	--	1200	35	--	--
Butylbenzylphthalate	--	--	12000	--	--	--
Carbazole	--	--	--	24	--	--
Di-n-butylphthalate	--	--	6100	--	--	--
Di-n-octylphthalate	--	--	--	--	--	--
Dibenzofuran	--	--	--	--	--	--
Diethylphthalate	--	--	49000	--	--	--
Dimethylphthalate	--	--	--	--	--	--
Diphenylamine	--	--	1500	--	--	--
Fluoranthene	--	--	2300	--	--	--
Fluorene	--	--	2300	--	--	--
Hexachlorobenzene	--	--	49	0.3	--	--
Hexachlorobutadiene	--	--	61	6.2	--	--
Hexachlorocyclopentadiene	--	--	370	--	--	--
Hexachloroethane	--	--	61	35	--	--
Naphthalene	--	--	150	3.9	--	--
Nitrobenzene	--	--	31	--	--	--
o-Toluidine	--	--	--	2.7	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR05

	Soil - mg/kg					
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	NonCancer	Cancer	NCEF	CEF
Pentachlorobenzene	--	--	49	--	--	--
Pentachloronitrobenzene	--	--	180	1.9	--	--
Pentachlorophenol	--	--	1400	3	--	--
Phenanthrene	--	--	--	--	--	--
Phenol	--	--	18000	--	--	--
Pyrene	--	--	1700	--	--	--
Total Carcinogenic PAHS (BaP TEQs)	--	--	--	0.015	--	--
Total Petroleum Hydrocarbon						
Tph (c03-c20)	--	--	--	--	--	--
Tph (c08-c40)	--	--	--	--	--	--
Volatile Organic Compounds						
1,1,1,2-Tetrachloroethane	--	--	2300	2	--	--
1,1,1-Trichloroethane	--	--	9000	--	--	--
1,1,2,2-Tetrachloroethane	--	--	--	0.59	--	--
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0036	--	43000	--	0.00000008	--
1,1,2-Trichloroethane	--	--	310	1.1	--	--
1,1-Dichloroethane	--	--	1100	3.4	--	--
1,1-Dichloroethene	--	--	250	--	--	--
1,2,3-Trichlorobenzene	--	--	--	--	--	--
1,2,3-Trichloropropane	--	--	470	0.091	--	--
1,2,4-Trichlorobenzene	--	--	780	180	--	--
1,2,4-Trimethylbenzene	--	--	67	--	--	--
1,2-Dibromo-3-Chloropropane	--	--	5.1	0.0056	--	--
1,2-Dibromoethane	--	--	79	0.034	--	--
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	--	--	--	--	--	--
1,2-Dichlorobenzene	--	--	2000	--	--	--
1,2-Dichloroethane	--	--	13000	0.45	--	--
1,2-Dichloropropane	--	--	17	0.93	--	--
1,3,5-Trimethylbenzene	--	--	--	--	--	--
1,3-Butadiene	--	--	2	0.077	--	--
1,3-Dichlorobenzene	--	--	--	--	--	--
1,3-Dichloropropane	--	--	1600	--	--	--
1,4-Dichlorobenzene	--	--	10000	2.6	--	--
2,2-Dichloropropane	--	--	--	--	--	--
2-Butanone (methyl ethyl ketone)	--	--	28000	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR05

	Soil - mg/kg					
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	NonCancer	Cancer	NCEF	CEF
2-Chlorotoluene	--	--	1600	--	--	--
2-Hexanone	--	--	--	--	--	--
4-Chlorotoluene	--	--	5500	--	--	--
4-Isopropyltoluene	--	--	--	--	--	--
4-Methyl-2-Pentanone	--	--	5300	--	--	--
Acetaldehyde	--	--	89	11	--	--
Acetone	0.0307	--	61000	--	0.0000005	--
Acetonitrile	--	--	870	--	--	--
Acetophenone	--	--	7800	--	--	--
Acrolein	--	--	0.16	--	--	--
Acrylonitrile	--	--	14	0.24	--	--
Benzene	--	--	90	1.1	--	--
Bis(2-Chloroethyl)ether	--	--	--	0.19	--	--
Bis(chloromethyl)ether	--	--	--	0.00027	--	--
Bromochloromethane	--	--	--	--	--	--
Bromodichloromethane	--	--	1600	10	--	--
Bromoform	--	--	1200	61	--	--
Bromomethane	--	--	7.9	--	--	--
Carbon Disulfide	--	--	670	--	--	--
Carbon Tetrachloride	--	--	47	0.25	--	--
Chlorobenzene	--	--	310	--	--	--
Chloroethane	--	--	15000	--	--	--
Chloroform	--	--	220	0.3	--	--
Chloromethane	--	--	120	1.7	--	--
Chloroprene	--	--	8.6	--	--	--
cis-1,2-Dichloroethene	--	--	780	--	--	--
cis-1,3-Dichloropropene	--	--	--	--	--	--
Cyclohexane	--	--	7200	--	--	--
Dibromochloromethane	--	--	1200	5.8	--	--
Dibromomethane	--	--	780	--	--	--
Dichlorodifluoromethane (Freon 12)	--	--	190	--	--	--
Ethylbenzene	--	--	3600	5.7	--	--
Formaldehyde	--	--	12000	250000	--	--
Hexane	--	--	570	--	--	--
Isobutyl Alcohol	--	--	23000	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR05

	Soil - mg/kg					
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	NonCancer	Cancer	NCEF	CEF
Isophorone	--	--	12000	510	--	--
Isopropylbenzene	--	--	2200	--	--	--
m,p-Xylenes	--	--	600	--	--	--
Methyl Acetate	--	--	78000	--	--	--
Methyl tert-Butyl Ether	--	--	15000	39	--	--
Methylcyclohexane	--	--	3400	--	--	--
Methylene Chloride	--	--	1700	11	--	--
n-Butylbenzene	--	--	--	--	--	--
n-Propylbenzene	--	--	--	--	--	--
o-Xylene	--	--	5300	--	--	--
Pentachloroethane	--	--	--	--	--	--
sec-Butylbenzene	--	--	--	--	--	--
Styrene	--	--	6500	--	--	--
tert-Butylbenzene	--	--	--	--	--	--
Tetrachloroethene	--	--	380	0.57	--	--
Toluene	0.000839	--	5000	--	0.0000002	--
trans-1,2-Dichloroethene	--	--	110	--	--	--
trans-1,3-Dichloropropene	--	--	--	--	--	--
Trans-1,4-Dichloro-2-Butene	--	--	--	--	--	--
Trichloroethene	--	--	--	2.8	--	--
Trichlorofluoromethane	--	--	800	--	--	--
Vinyl Acetate	--	--	990	--	--	--
Vinyl Chloride	--	--	74	0.06	--	--
Xylenes, Total	--	--	600	--	--	--
				TOTAL RISK	2.0	30.9
				BACKGROUND RISK	2.0	30.8
				INCREMENTAL RISK	0.04	0.2

-- = The chemical was not analyzed, not detected or no value was available.

CEF = Cancer exceedance factor. CEFs were calculated by dividing detected concentrations by cancer-based USEPA RSLs. A CEF of 1 corresponds to a cancer risk of 1x10^-6 (one in a million).

Naples, Italy Background (Maximum) = Cicchella, Domencio, et al. *Background and baseline concentration values of elements harmful to human health in the volcanic soils of the metorpolitan and provincial areas of Napoli (Italy).* Geochemistry: Exploration, Environment, Analysis Vol. 5 2005, pp.29-40.

NCEF = Noncancer exceedance factor. NCEFs were calculated by dividing detected concentrations by noncancer- based USEPA RSLs. An NCEF of 1 corresponds to a Hazard Index of 1.

RSL = Regional Screening Level

USEPA = United States Environmental Protection Agency

Fecal Coliform, Fecal Steptococcus and Total Coliforms (including Fecal Coliform and E. Coli) are reported in CFU/100 mL.

Heterotrophic Plate Count is reported in CFU/1 mL.

Risk calculations may appear to not add correctly due to rounding.

Total Risk = The risk for all chemicals.

Background Risk = The risk for chemicals (i.e., inorganic elements) that are present at concentrations less than or equal to the Naples, Italy Background (Maximum) concentrations.

Incremental Risk = The risk for chemicals that are not naturally occurring in the environment. The risk management category for this location (i.e., Acceptable or Unacceptable) is based on this risk.

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR05

	Soil Gas - mg/m3				
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	NonCancer	Cancer	NCEF	CEF
Alkane Hydrocarbon					
Octane	--	--	--	--	--
Pentadecane	--	--	--	--	--
Tridecane	--	--	--	--	--
Undecane	--	--	--	--	--
Anion					
Chloride	--	--	--	--	--
Cyanide	--	--	--	--	--
Fluoride	--	--	--	--	--
Nitrate (measured as NO3-)	--	--	--	--	--
Nitrite (measured as NO2-)	--	--	--	--	--
Phosphate	--	--	--	--	--
Sulfate	--	--	--	--	--
Dioxins/Furans					
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	--	--	0.00000000064	--	--
Disinfectants					
Chlorine (as Cl2)	--	--	--	--	--
Disinfection Byproducts					
Total Trihalomethanes	--	--	--	--	--
Field Parameters					
Dissolved Oxygen	--	--	--	--	--
Oxidation Reduction Potential	--	--	--	--	--
pH	--	--	--	--	--
Salinity	--	--	--	--	--
Specific Conductance	--	--	--	--	--
Temperature	--	--	--	--	--
Total Dissolved Solids	--	--	--	--	--
Total Solids	--	--	--	--	--
Turbidity	--	--	--	--	--
Inorganics					
Aluminum	--	0.052	--	--	--
Antimony	--	--	--	--	--
Arsenic	--	0.00031	0.0000057	--	--
Barium	--	0.0052	--	--	--
Beryllium	--	0.00021	0.00001	--	--
Cadmium (Diet)	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR05

	Soil Gas - mg/m3				
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	NonCancer	Cancer	NCEF	CEF
Cadmium (Water)	--	--	0.000014	--	--
Chromium	--	--	--	--	--
Cobalt	--	--	--	--	--
Copper	--	--	--	--	--
Iron	--	--	--	--	--
Lead	--	0.017	--	--	--
Manganese (Diet)	--	--	--	--	--
Manganese (Water)	--	0.00052	--	--	--
Mercury	--	0.0031	--	--	--
Nickel	--	--	--	--	--
Selenium	--	--	--	--	--
Silver	--	--	--	--	--
Thallium	--	--	--	--	--
Tin	--	--	--	--	--
Vanadium	--	--	--	--	--
Zinc	--	--	--	--	--
Microorganisms					
Fecal Coliform	--	--	--	--	--
Fecal Streptococcus	--	--	--	--	--
Heterotrophic Plate Count	--	--	--	--	--
Total Coliforms (including Fecal Coliform and E. Coli)	--	--	--	--	--
Pesticides					
4,4-DDD	--	--	--	--	--
4,4-DDE	--	--	--	--	--
4,4-DDT	--	--	0.00025	--	--
Aldrin	--	--	0.000005	--	--
alpha-BHC	--	--	0.000014	--	--
alpha-Chlordane	--	--	--	--	--
beta-BHC	--	--	0.000046	--	--
Chlordane	--	0.0073	0.00024	--	--
delta-BHC	--	--	--	--	--
Dieldrin	--	--	0.0000053	--	--
Endosulfan I	--	--	--	--	--
Endosulfan II	--	--	--	--	--
Endosulfan Sulfate	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR05

	Soil Gas - mg/m3				
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	NonCancer	Cancer	NCEF	CEF
Endrin	--	--	--	--	--
Endrin Aldehyde	--	--	--	--	--
gamma-BHC (Lindane)	--	--	0.000078	--	--
gamma-Chlordane	--	0.0073	0.00024	--	--
Heptachlor	--	--	0.000019	--	--
Heptachlor Epoxide	--	--	0.0000094	--	--
Methoxychlor	--	--	--	--	--
Toxaphene	--	--	0.000076	--	--
Polychlorinated bi-phenyls					
Aroclor 1016	--	--	0.0012	--	--
Aroclor 1016/1260	--	--	0.000043	--	--
Aroclor 1221	--	--	0.000043	--	--
Aroclor 1232	--	--	0.000043	--	--
Aroclor 1242	--	--	0.000043	--	--
Aroclor 1248	--	--	0.000043	--	--
Aroclor 1254	--	--	0.000043	--	--
Aroclor 1260	--	--	0.000043	--	--
Radionuclides					
Uranium	--	--	--	--	--
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	--	--	--	--	--
2,4,5-Trichlorophenol	--	--	--	--	--
2,4,6-Trichlorophenol	--	--	0.0078	--	--
2,4-Dichlorophenol	--	--	--	--	--
2,4-Dimethylphenol	--	--	--	--	--
2,4-Dinitrophenol	--	--	--	--	--
2,4-Dinitrotoluene	--	--	--	--	--
2,6-Dichlorophenol	--	--	--	--	--
2,6-Dinitrotoluene	--	--	--	--	--
2-Chloronaphthalene	--	--	--	--	--
2-Chlorophenol	--	--	--	--	--
2-Methylnaphthalene	--	--	--	--	--
2-Methylphenol (o-Cresol)	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR05

	Soil Gas - mg/m3				
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	NonCancer	Cancer	NCEF	CEF
2-Nitrophenol	--	--	--	--	--
3&4-Methylphenol	--	--	--	--	--
3-Methylphenol	--	--	--	--	--
3-Nitroaniline	--	--	--	--	--
4,6-Dinitro-2-Methylphenol	--	--	--	--	--
4-Bromophenylphenylether	--	--	--	--	--
4-Chloro-3-Methylphenol	--	--	--	--	--
4-Chloroanaline	--	--	--	--	--
4-Methylphenol (p-Cresol)	--	--	--	--	--
4-Nitroaniline	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--
Acenaphthene	--	--	--	--	--
Acenaphthylene	--	--	--	--	--
Aniline	--	0.01	--	--	--
Anthracene	--	--	--	--	--
Atrazine	--	--	--	--	--
Benzo(g,h,i)perylene	--	--	--	--	--
Bis(2-ethylhexyl)phthalate	--	--	--	--	--
Butylbenzylphthalate	--	--	--	--	--
Carbazole	--	--	--	--	--
Di-n-butylphthalate	--	--	--	--	--
Di-n-octylphthalate	--	--	--	--	--
Dibenzofuran	--	--	--	--	--
Diethylphthalate	--	--	--	--	--
Dimethylphthalate	--	--	--	--	--
Diphenylamine	--	--	--	--	--
Fluoranthene	--	--	--	--	--
Fluorene	--	--	--	--	--
Hexachlorobenzene	--	--	0.000053	--	--
Hexachlorobutadiene	--	--	0.0011	--	--
Hexachlorocyclopentadiene	--	0.0021	--	--	--
Hexachloroethane	--	--	0.0061	--	--
Naphthalene	--	0.031	0.00072	--	--
Nitrobenzene	--	0.021	--	--	--
o-Toluidine	--	--	0.00048	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR05

	Soil Gas - mg/m3				
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	NonCancer	Cancer	NCEF	CEF
Pentachlorobenzene	--	--	--	--	--
Pentachloronitrobenzene	--	--	--	--	--
Pentachlorophenol	--	--	--	--	--
Phenanthrene	--	--	--	--	--
Phenol	--	2.1	--	--	--
Pyrene	--	--	--	--	--
Total Carcinogenic PAHS (BaP TEQs)	--	--	0.0000087	--	--
Total Petroleum Hydrocarbon					
Tph (c03-c20)	--	--	--	--	--
Tph (c08-c40)	--	--	--	--	--
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	--	--	0.0033	--	--
1,1,1-Trichloroethane	--	52	--	--	--
1,1,2,2-Tetrachloroethane	--	--	0.00042	--	--
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	310	--	--	--
1,1,2-Trichloroethane	--	--	0.0015	--	--
1,1-Dichloroethane	--	5.2	0.015	--	--
1,1-Dichloroethene	--	2.1	--	--	--
1,2,3-Trichlorobenzene	--	--	--	--	--
1,2,3-Trichloropropane	--	--	--	--	--
1,2,4-Trichlorobenzene	--	--	--	--	--
1,2,4-Trimethylbenzene	--	0.073	--	--	--
1,2-Dibromo-3-Chloropropane	--	0.0021	0.0000016	--	--
1,2-Dibromoethane	--	0.094	0.000041	--	--
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	--	--	--	--	--
1,2-Dichlorobenzene	--	2.1	--	--	--
1,2-Dichloroethane	--	25	0.00094	--	--
1,2-Dichloropropane	--	0.042	0.0024	--	--
1,3,5-Trimethylbenzene	--	--	--	--	--
1,3-Butadiene	--	0.021	0.00081	--	--
1,3-Dichlorobenzene	--	--	--	--	--
1,3-Dichloropropane	--	--	--	--	--
1,4-Dichlorobenzene	--	8.299999999999999	0.0022	--	--
2,2-Dichloropropane	--	--	--	--	--
2-Butanone (methyl ethyl ketone)	--	52	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR05

	Soil Gas - mg/m3				
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	NonCancer	Cancer	NCEF	CEF
2-Chlorotoluene	--	--	--	--	--
2-Hexanone	--	--	--	--	--
4-Chlorotoluene	--	--	--	--	--
4-Isopropyltoluene	--	--	--	--	--
4-Methyl-2-Pentanone	--	31	--	--	--
Acetaldehyde	--	0.094	0.011	--	--
Acetone	--	320	--	--	--
Acetonitrile	--	0.63	--	--	--
Acetophenone	--	--	--	--	--
Acrolein	--	0.00021	--	--	--
Acrylonitrile	--	0.021	0.00036	--	--
Benzene	--	0.31	0.0031	--	--
Bis(2-Chloroethyl)ether	--	--	0.000074	--	--
Bis(chloromethyl)ether	--	--	0.00000039	--	--
Bromochloromethane	--	--	--	--	--
Bromodichloromethane	--	--	--	--	--
Bromoform	--	--	0.022	--	--
Bromomethane	--	0.052	--	--	--
Carbon Disulfide	--	7.3	--	--	--
Carbon Tetrachloride	--	2	0.0016	--	--
Chlorobenzene	--	0.52	--	--	--
Chloroethane	--	100	--	--	--
Chloroform	--	1	0.0011	--	--
Chloromethane	--	0.94	0.014	--	--
Chloroprene	--	0.073	--	--	--
cis-1,2-Dichloroethene	--	--	--	--	--
cis-1,3-Dichloropropene	--	--	--	--	--
Cyclohexane	--	63	--	--	--
Dibromochloromethane	--	--	--	--	--
Dibromomethane	--	--	--	--	--
Dichlorodifluoromethane (Freon 12)	--	2.1	--	--	--
Ethylbenzene	--	10	0.0097	--	--
Formaldehyde	--	0.1	0.0019	--	--
Hexane	--	7.3	--	--	--
Isobutyl Alcohol	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR05

	Soil Gas - mg/m3				
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	NonCancer	Cancer	NCEF	CEF
Isophorone	--	21	--	--	--
Isopropylbenzene	--	4.2	--	--	--
m,p-Xylenes	--	1	--	--	--
Methyl Acetate	--	--	--	--	--
Methyl tert-Butyl Ether	--	31	0.094	--	--
Methylcyclohexane	--	31	--	--	--
Methylene Chloride	--	11	0.052	--	--
n-Butylbenzene	--	--	--	--	--
n-Propylbenzene	--	--	--	--	--
o-Xylene	--	7.3	--	--	--
Pentachloroethane	--	--	--	--	--
sec-Butylbenzene	--	--	--	--	--
Styrene	--	10	--	--	--
tert-Butylbenzene	--	--	--	--	--
Tetrachloroethene	--	2.8	0.0041	--	--
Toluene	--	52	--	--	--
trans-1,2-Dichloroethene	--	0.63	--	--	--
trans-1,3-Dichloropropene	--	--	--	--	--
Trans-1,4-Dichloro-2-Butene	--	--	--	--	--
Trichloroethene	--	--	0.012	--	--
Trichlorofluoromethane	--	7.3	--	--	--
Vinyl Acetate	--	2.1	--	--	--
Vinyl Chloride	--	1	0.0016	--	--
Xylenes, Total	--	1	--	--	--
			TOTAL RISK	0	0
			BACKGROUND RISK	0	0
			INCREMENTAL RISK	0	0

-- = The chemical was not analyzed, not detected or no value was available.
CEF = Cancer exceedance factor. CEFs were calculated by dividing detected concentrations by cancer-based USEPA RSLs.
A CEF of 1 corresponds to a cancer risk of 1x10^-6 (one in a million).
NCEF = Noncancer exceedance factor. NCEFs were calculated by dividing detected concentrations by noncancer- based USEPA RSLs.
An NCEF of 1 corresponds to a Hazard Index of 1.
RSL = Regional Screening Level
USEPA = United States Environmental Protection Agency
Fecal Coliform, Fecal Steptococcus and Total Coliforms (including Fecal Coliform and E. Coli) are reported in CFU/100 mL.
Heterotrophic Plate Count is reported in CFU/1 mL.
Risk calculations may appear to not add correctly due to rounding.

Total Risk = The risk for all chemicals.
Background Risk = None of the volatile organic chemicals tested for in the soil gas samples are naturally occurring. Therefore, the background risk is zero.
Incremental Risk = The Total Risk. The risk management category for this location (i.e., Acceptable or Unacceptable) is based on this risk.

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR05

	Tap Water - mg/L										
			USEPA RSL					USEPA RSL			
			30-Year Exposure					30-Year Exposure			
			Inhalation		Ingestion			Inhalation		Ingestion	
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	NCEF	CEF	NCEF	CEF
Alkane Hydrocarbon											
Octane	--	--	--	--	--	--	--	--	--	--	--
Pentadecane	--	--	--	--	--	--	--	--	--	--	--
Tridecane	--	--	--	--	--	--	--	--	--	--	--
Undecane	--	--	--	--	--	--	--	--	--	--	--
Anion											
Chloride	10.4	--	--	--	--	--	--	--	--	--	--
Cyanide	--	0.2	--	--	0.73	--	--	--	--	--	--
Fluoride	--	4	--	--	--	--	--	--	--	--	--
Nitrate (measured as NO3-)	3.04	44.3	--	--	255.2	--	0.07	--	--	0.01	--
Nitrite (measured as NO2-)	--	3.29	--	--	12.21	--	--	--	--	--	--
Phosphate	--	--	--	--	--	--	--	--	--	--	--
Sulfate	10.1	--	--	--	--	--	--	--	--	--	--
Dioxins/Furans											
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.000000000074	0.00000003	--	--	0.000000037	0.0000000005	0.002	--	--	0.002	0.1
Disinfectants											
Chlorine (as Cl2)	0.02	4.01	--	--	--	--	0.005	--	--	--	--
Disinfection Byproducts											
Total Trihalomethanes	0.003977	0.0807	--	--	--	--	0.05	--	--	--	--
Field Parameters											
Dissolved Oxygen	7.25	--	--	--	--	--	--	--	--	--	--
Oxidation Reduction Potential	224	--	--	--	--	--	--	--	--	--	--
pH	7.68	--	--	--	--	--	--	--	--	--	--
Salinity	--	--	--	--	--	--	--	--	--	--	--
Specific Conductance	0.79	--	--	--	--	--	--	--	--	--	--
Temperature	26.12	--	--	--	--	--	--	--	--	--	--
Total Dissolved Solids	--	--	--	--	--	--	--	--	--	--	--
Total Solids	--	--	--	--	--	--	--	--	--	--	--
Turbidity	25	--	--	--	--	--	--	--	--	--	--
Inorganics											
Aluminum	0.00272	--	--	--	37	--	--	--	--	0.00007	--
Antimony	0.00265	0.006	--	--	0.015	--	0.4	--	--	0.2	--
Arsenic	0.00368	0.01	--	--	0.011	0.000045	0.4	--	--	0.3	**81.8**
Barium	0.0165	2	--	--	7.3	--	0.008	--	--	0.002	--
Beryllium	--	0.004	--	--	0.073	--	--	--	--	--	--
Cadmium (Diet)	--	--	--	--	--	--	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR05

	Tap Water - mg/L										
			USEPA RSL					USEPA RSL			
			30-Year Exposure					30-Year Exposure			
			Inhalation		Ingestion			Inhalation		Ingestion	
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	NCEF	CEF	NCEF	CEF
Cadmium (Water)	0.000139	0.005	--	--	0.018	--	0.03	--	--	0.008	--
Chromium	0.000235	0.1	--	--	--	--	0.002	--	--	--	--
Cobalt	0.000236	--	--	--	--	--	--	--	--	--	--
Copper	0.264	--	--	--	1.5	--	--	--	--	0.2	--
Iron	0.799	--	--	--	26	--	--	--	--	0.03	--
Lead	0.0116	--	--	--	0.02	--	--	--	--	0.6	--
Manganese (Diet)	--	--	--	--	--	--	--	--	--	--	--
Manganese (Water)	0.0179	--	--	--	0.88	--	--	--	--	0.02	--
Mercury	0.000043	0.002	0.00063	--	--	--	0.02	0.07	--	--	--
Nickel	0.13	--	--	--	0.73	--	--	--	--	0.2	--
Selenium	--	0.05	--	--	0.18	--	--	--	--	--	--
Silver	--	--	--	--	0.18	--	--	--	--	--	--
Thallium	--	0.002	--	--	0.0024	--	--	--	--	--	--
Tin	0.000192	--	--	--	22	--	--	--	--	0.000009	--
Vanadium	--	--	--	--	0.26	--	--	--	--	--	--
Zinc	0.975	--	--	--	11	--	--	--	--	0.09	--
Microorganisms											
Fecal Coliform	--	0	--	--	--	--	--	--	--	--	--
Fecal Streptococcus	0	--	--	--	--	--	--	--	--	--	--
Heterotrophic Plate Count	1660	--	--	--	--	--	--	--	--	--	--
Total Coliforms (including Fecal Coliform and E. Coli)	--	0	--	--	--	--	--	--	--	--	--
Pesticides											
4,4-DDD	--	--	--	--	--	0.00028	--	--	--	--	--
4,4-DDE	--	--	--	--	--	0.0002	--	--	--	--	--
4,4-DDT	--	--	--	--	0.018	0.0002	--	--	--	--	--
Aldrin	--	--	--	--	0.0011	0.000004	--	--	--	--	--
alpha-BHC	--	--	--	--	--	0.000011	--	--	--	--	--
alpha-Chlordane	--	0.002	--	--	--	--	--	--	--	--	--
beta-BHC	--	--	--	--	--	0.000037	--	--	--	--	--
Chlordane	--	0.002	--	--	0.018	0.00019	--	--	--	--	--
delta-BHC	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	--	--	--	--	0.0018	0.0000042	--	--	--	--	--
Endosulfan I	--	--	--	--	--	--	--	--	--	--	--
Endosulfan II	--	--	--	--	--	--	--	--	--	--	--
Endosulfan Sulfate	--	--	--	--	--	--	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR05

	Tap Water - mg/L										
			USEPA RSL					USEPA RSL			
			30-Year Exposure					30-Year Exposure			
			Inhalation		Ingestion			Inhalation		Ingestion	
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	NCEF	CEF	NCEF	CEF
Endrin	--	0.002	--	--	0.011	--	--	--	--	--	--
Endrin Aldehyde	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC (Lindane)	--	0.0002	--	--	0.011	0.000061	--	--	--	--	--
gamma-Chlordane	--	0.002	--	--	0.018	0.00019	--	--	--	--	--
Heptachlor	--	0.0004	--	--	0.018	0.000015	--	--	--	--	--
Heptachlor Epoxide	--	0.0002	--	--	0.00047	0.0000074	--	--	--	--	--
Methoxychlor	--	0.04	--	--	0.18	--	--	--	--	--	--
Toxaphene	--	0.003	--	--	--	0.000061	--	--	--	--	--
Polychlorinated bi-phenyls											
Aroclor 1016	--	--	--	--	0.0026	0.00096	--	--	--	--	--
Aroclor 1016/1260	--	--	--	--	0.0026	0.000034	--	--	--	--	--
Aroclor 1221	--	--	--	0.0000085	--	0.000034	--	--	--	--	--
Aroclor 1232	--	--	--	0.0000085	--	0.000034	--	--	--	--	--
Aroclor 1242	--	--	--	--	--	0.000034	--	--	--	--	--
Aroclor 1248	--	--	--	--	--	0.000034	--	--	--	--	--
Aroclor 1254	--	--	--	--	0.00073	0.000034	--	--	--	--	--
Aroclor 1260	--	--	--	--	--	0.000034	--	--	--	--	--
Radionuclides											
Uranium	0.000813	0.03	--	--	0.11	--	0.03	--	--	0.007	--
Semi-Volatile Organic Compounds											
1,1'-Biphenyl	--	--	--	--	1.8	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	--	--	--	--	0.011	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	--	--	--	--	1.1	--	--	--	--	--	--
2,4,5-Trichlorophenol	--	--	--	--	3.7	--	--	--	--	--	--
2,4,6-Trichlorophenol	--	--	--	--	0.037	0.0061	--	--	--	--	--
2,4-Dichlorophenol	--	--	--	--	0.11	--	--	--	--	--	--
2,4-Dimethylphenol	--	--	--	--	0.73	--	--	--	--	--	--
2,4-Dinitrophenol	--	--	--	--	0.073	--	--	--	--	--	--
2,4-Dinitrotoluene	--	--	--	--	0.073	--	--	--	--	--	--
2,6-Dichlorophenol	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	--	--	--	--	0.037	--	--	--	--	--	--
2-Chloronaphthalene	--	--	--	--	2.9	--	--	--	--	--	--
2-Chlorophenol	--	--	--	--	0.18	--	--	--	--	--	--
2-Methylnaphthalene	--	--	--	--	0.15	--	--	--	--	--	--
2-Methylphenol (o-Cresol)	--	--	--	--	1.8	--	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR05

	Tap Water - mg/L										
			USEPA RSL					USEPA RSL			
			30-Year Exposure					30-Year Exposure			
			Inhalation		Ingestion			Inhalation		Ingestion	
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	NCEF	CEF	NCEF	CEF
2-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--
3&4-Methylphenol	--	--	--	--	0.18	--	--	--	--	--	--
3-Methylphenol	--	--	--	--	1.8	--	--	--	--	--	--
3-Nitroaniline	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-Methylphenol	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenylphenylether	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-Methylphenol	--	--	--	--	--	--	--	--	--	--	--
4-Chloroanaline	--	--	--	--	0.15	--	--	--	--	--	--
4-Methylphenol (p-Cresol)	--	--	--	--	0.18	--	--	--	--	--	--
4-Nitroaniline	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	--	--	--	--	2.2	--	--	--	--	--	--
Acenaphthylene	--	--	--	--	--	--	--	--	--	--	--
Aniline	0.00305	--	--	--	0.26	0.012	--	--	--	0.01	0.3
Anthracene	--	--	--	--	11	--	--	--	--	--	--
Atrazine	--	0.003	--	--	1.3	0.00029	--	--	--	--	--
Benzo(g,h,i)perylene	--	--	--	--	--	--	--	--	--	--	--
Bis(2-ethylhexyl)phthalate	--	0.006	--	--	0.73	0.0048	--	--	--	--	--
Butylbenzylphthalate	0.000106	--	--	--	7.3	--	--	--	--	0.00001	--
Carbazole	--	--	--	--	--	0.0034	--	--	--	--	--
Di-n-butylphthalate	--	--	--	--	3.7	--	--	--	--	--	--
Di-n-octylphthalate	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	--	--	--	--	--	--	--	--	--	--	--
Diethylphthalate	--	--	--	--	29	--	--	--	--	--	--
Dimethylphthalate	--	--	--	--	--	--	--	--	--	--	--
Diphenylamine	--	--	--	--	0.91	--	--	--	--	--	--
Fluoranthene	--	--	--	--	1.5	--	--	--	--	--	--
Fluorene	--	--	--	--	1.5	--	--	--	--	--	--
Hexachlorobenzene	--	0.001	--	--	0.029	0.000042	--	--	--	--	--
Hexachlorobutadiene	--	--	--	--	0.037	0.00086	--	--	--	--	--
Hexachlorocyclopentadiene	--	0.05	--	--	0.22	--	--	--	--	--	--
Hexachloroethane	--	--	--	--	0.037	0.0048	--	--	--	--	--
Naphthalene	--	--	0.0063	0.00014	0.73	--	--	--	--	--	--
Nitrobenzene	--	--	0.0042	--	0.018	--	--	--	--	--	--
o-Toluidine	--	--	--	--	--	0.00037	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR05

	Tap Water - mg/L										
			USEPA RSL					USEPA RSL			
			30-Year Exposure					30-Year Exposure			
			Inhalation		Ingestion			Inhalation		Ingestion	
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	NCEF	CEF	NCEF	CEF
Pentachlorobenzene	--	--	--	--	0.029	--	--	--	--	--	--
Pentachloronitrobenzene	--	--	--	--	0.11	0.00026	--	--	--	--	--
Pentachlorophenol	--	0.001	--	--	1.1	0.00056	--	--	--	--	--
Phenanthrene	--	--	--	--	--	--	--	--	--	--	--
Phenol	--	--	--	--	11	--	--	--	--	--	--
Pyrene	--	--	--	--	1.1	--	--	--	--	--	--
Total Carcinogenic PAHS (BaP TEQs)	--	0.0002	--	--	--	0.0000029	--	--	--	--	--
Total Petroleum Hydrocarbon											
Tph (c03-c20)	--	--	--	--	--	--	--	--	--	--	--
Tph (c08-c40)	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds											
1,1,1,2-Tetrachloroethane	--	--	--	0.00066	1.1	0.0026	--	--	--	--	--
1,1,1-Trichloroethane	--	0.2	10	--	73	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	--	--	--	0.000084	--	0.00034	--	--	--	--	--
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	--	63	--	1100	--	--	--	--	--	--
1,1,2-Trichloroethane	--	0.005	--	0.0003	0.15	0.0012	--	--	--	--	--
1,1-Dichloroethane	--	--	1	0.003	7.3	0.012	--	--	--	--	--
1,1-Dichloroethene	--	0.007	0.42	--	1.8	--	--	--	--	--	--
1,2,3-Trichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	--	--	--	--	0.22	0.0000096	--	--	--	--	--
1,2,4-Trichlorobenzene	--	0.07	--	--	0.37	0.019	--	--	--	--	--
1,2,4-Trimethylbenzene	--	--	0.015	--	--	--	--	--	--	--	--
1,2-Dibromo-3-Chloropropane	--	0.0002	0.00042	0.00000032	0.0073	0.000027	--	--	--	--	--
1,2-Dibromoethane	--	0.00005	0.019	0.0000081	0.33	0.000034	--	--	--	--	--
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	--	0.6	0.42	--	3.3	--	--	--	--	--	--
1,2-Dichloroethane	--	0.005	5.1	0.00019	--	0.00074	--	--	--	--	--
1,2-Dichloropropane	--	0.005	0.0083	0.00049	--	0.0019	--	--	--	--	--
1,3,5-Trimethylbenzene	--	--	--	--	--	--	--	--	--	--	--
1,3-Butadiene	--	--	0.0042	0.00016	--	--	--	--	--	--	--
1,3-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	--	--	--	--	0.73	--	--	--	--	--	--
1,4-Dichlorobenzene	--	0.075	1.7	0.00044	--	0.012	--	--	--	--	--
2,2-Dichloropropane	--	--	--	--	--	--	--	--	--	--	--
2-Butanone (methyl ethyl ketone)	--	--	10	--	22	--	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR05

	Tap Water - mg/L										
			USEPA RSL					USEPA RSL			
			30-Year Exposure					30-Year Exposure			
			Inhalation		Ingestion			Inhalation		Ingestion	
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	NCEF	CEF	NCEF	CEF
2-Chlorotoluene	--	--	--	--	0.73	--	--	--	--	--	--
2-Hexanone	--	--	--	--	--	--	--	--	--	--	--
4-Chlorotoluene	--	--	--	--	2.6	--	--	--	--	--	--
4-Isopropyltoluene	--	--	--	--	--	--	--	--	--	--	--
4-Methyl-2-Pentanone	--	--	6.3	--	2.9	--	--	--	--	--	--
Acetaldehyde	--	--	0.019	0.0022	--	--	--	--	--	--	--
Acetone	--	--	64	--	33	--	--	--	--	--	--
Acetonitrile	--	--	0.13	--	--	--	--	--	--	--	--
Acetophenone	--	--	--	--	3.7	--	--	--	--	--	--
Acrolein	--	--	0.000042	--	0.018	--	--	--	--	--	--
Acrylonitrile	--	--	0.0042	0.000072	0.037	0.00012	--	--	--	--	--
Benzene	--	0.005	0.063	0.00062	0.15	0.0012	--	--	--	--	--
Bis(2-Chloroethyl)ether	--	--	--	0.000015	--	0.000061	--	--	--	--	--
Bis(chloromethyl)ether	--	--	--	0.000000078	--	0.00000031	--	--	--	--	--
Bromochloromethane	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	0.000222	--	--	--	0.73	0.0011	--	--	--	0.0003	0.2
Bromoform	0.00296	--	--	--	0.73	0.0085	--	--	--	0.004	0.3
Bromomethane	--	--	0.01	--	0.051	--	--	--	--	--	--
Carbon Disulfide	--	--	1.5	--	3.7	--	--	--	--	--	--
Carbon Tetrachloride	--	0.005	0.39	0.00032	0.026	0.00052	--	--	--	--	--
Chlorobenzene	--	0.1	0.1	--	0.73	--	--	--	--	--	--
Chloroethane	--	--	21	--	--	--	--	--	--	--	--
Chloroform	0.000151	--	0.2	0.00021	0.37	0.0022	--	0.0008	0.7	0.0004	0.07
Chloromethane	--	--	0.19	0.0027	--	0.0052	--	--	--	--	--
Chloroprene	--	--	0.015	--	0.73	--	--	--	--	--	--
cis-1,2-Dichloroethene	--	0.07	--	--	0.37	--	--	--	--	--	--
cis-1,3-Dichloropropene	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	--	--	13	--	--	--	--	--	--	--	--
Dibromochloromethane	0.000644	--	--	--	0.73	0.0008	--	--	--	0.0009	0.8
Dibromomethane	--	--	--	--	0.37	--	--	--	--	--	--
Dichlorodifluoromethane (Freon 12)	--	--	0.42	--	7.3	--	--	--	--	--	--
Ethylbenzene	--	0.7	2.1	0.0019	3.7	0.0061	--	--	--	--	--
Formaldehyde	--	--	--	--	7.3	--	--	--	--	--	--
Hexane	--	--	1.5	--	2.2	--	--	--	--	--	--
Isobutyl Alcohol	--	--	--	--	11	--	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR05

	Tap Water - mg/L										
			USEPA RSL					USEPA RSL			
			30-Year Exposure					30-Year Exposure			
			Inhalation		Ingestion			Inhalation		Ingestion	
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	NCEF	CEF	NCEF	CEF
Isophorone	--	--	--	--	7.3	0.071	--	--	--	--	--
Isopropylbenzene	--	--	0.83	--	3.7	--	--	--	--	--	--
m,p-Xylenes	--	--	0.21	--	7.3	--	--	--	--	--	--
Methyl Acetate	--	--	--	--	37	--	--	--	--	--	--
Methyl tert-Butyl Ether	--	--	6.3	0.019	--	0.037	--	--	--	--	--
Methylcyclohexane	--	--	6.3	--	--	--	--	--	--	--	--
Methylene Chloride	--	0.005	2.2	0.01	2.2	0.009	--	--	--	--	--
n-Butylbenzene	--	--	--	--	--	--	--	--	--	--	--
n-Propylbenzene	--	--	--	--	--	--	--	--	--	--	--
o-Xylene	--	--	1.5	--	73	--	--	--	--	--	--
Pentachloroethane	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	--	--	--	--	--	--	--	--	--	--	--
Styrene	--	0.1	2.1	--	7.3	--	--	--	--	--	--
tert-Butylbenzene	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	--	0.005	0.57	0.00082	0.37	0.00012	--	--	--	--	--
Toluene	--	1	10	--	2.9	--	--	--	--	--	--
trans-1,2-Dichloroethene	--	0.1	0.13	--	0.73	--	--	--	--	--	--
trans-1,3-Dichloropropene	--	--	--	--	--	--	--	--	--	--	--
Trans-1,4-Dichloro-2-Butene	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	--	0.005	--	0.0024	--	0.0052	--	--	--	--	--
Trichlorofluoromethane	--	--	1.5	--	11	--	--	--	--	--	--
Vinyl Acetate	--	--	0.42	--	37	--	--	--	--	--	--
Vinyl Chloride	--	0.002	0.21	0.00032	0.11	0.000017	--	--	--	--	--
Xylenes, Total	--	10	0.21	--	7.3	--	--	--	--	--	--
							TOTAL RISK	0.07	0.7	1.6	83.6
							BACKGROUND RISK	0.07	0	0.8	81.8
							INCREMENTAL RISK	0.0008	0.7	0.8	1.8

-- = The chemical was not analyzed, not detected or no value was available.
CEF = Cancer exceedance factor. CEFs were calculated by dividing detected concentrations by cancer-based USEPA RSLs.
A CEF of 1 corresponds to a cancer risk of 1x10^-6 (one in a million).
NCEF = Noncancer exceedance factor. NCEFs were calculated by dividing detected concentrations by noncancer-based USEPA RSLs.
An NCEF of 1 corresponds to a Hazard Index of 1.
RSL = Regional Screening Level
USEPA = United States Environmental Protection Agency
USEPA MCL EF = USEPA Maximum Contaminant Level Exceedance Factor. USEPA MCL EFs were calculated by dividing detected concentrations by the USEPA MCLs.
USEPA MCL = USEPA Maximum Contaminant Levels (http://www.epa.gov/ogwdw/contaminants/index.html).
Fecal Coliform, Fecal Steptococcus and Total Coliforms (including Fecal Coliform and E. Coli) are reported in CFU/100 mL (CFU = colony forming units).
Heterotrophic Plate Count is reported in CFU/1 mL.
Risk calculations may appear to not add correctly due to rounding.

Total Risk = The risk for all chemicals.
Background Risk = The risk for chemicals (i.e., inorganic elements) that are naturally occurring in the environment but does not include lead, copper and thallium.
Incremental Risk = The risk for chemicals that are not naturally occurring in the environment. The risk management category for this location
(i.e., Acceptable or Unacceptable) is based on this risk. This includes lead, copper and thallium.
The ingestion exceedance factors are presented for informational purposes only. The risk-management decision (i.e., Acceptable or Unacceptable) will be made
based on inhalation because the Navy leadership has stated that all personnel should be using bottled water for drinking, cooking, and brushing teeth.

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR08

	Soil - mg/kg					
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	NonCancer	Cancer	NCEF	CEF
Alkane Hydrocarbon						
Octane	--	--	--	--	--	--
Pentadecane	--	--	--	--	--	--
Tridecane	--	--	--	--	--	--
Undecane	--	--	--	--	--	--
Anion						
Chloride	--	--	--	--	--	--
Cyanide	--	--	1600	--	--	--
Fluoride	--	--	--	--	--	--
Nitrate (measured as NO3-)	--	--	572000	--	--	--
Nitrite (measured as NO2-)	--	--	25740	--	--	--
Phosphate	--	--	--	--	--	--
Sulfate	--	--	--	--	--	--
Dioxins/Furans						
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.000000339	--	0.000072	0.0000045	0.005	0.08
Disinfectants						
Chlorine (as Cl2)	--	--	--	--	--	--
Disinfection Byproducts						
Total Trihalomethanes	--	--	--	--	--	--
Field Parameters						
Dissolved Oxygen	--	--	--	--	--	--
Oxidation Reduction Potential	--	--	--	--	--	--
pH	--	--	--	--	--	--
Salinity	--	--	--	--	--	--
Specific Conductance	--	--	--	--	--	--
Temperature	--	--	--	--	--	--
Total Dissolved Solids	--	--	--	--	--	--
Total Solids	80.8	--	--	--	--	--
Turbidity	--	--	--	--	--	--
Inorganics						
Aluminum	36600	86900	77000	--	0.5	--
Antimony	0.524	42.8	31	--	0.02	--
Arsenic	12.4	164	22	0.39	0.6	**31.8**
Barium	251	1813	15000	--	0.02	--
Beryllium	4.63	--	160	1400	0.03	0.003
Cadmium (Diet)	0.226	10.6	70	1800	0.003	0.0001

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR08

Chemical	Soil - mg/kg					
	Maximum Detected Concentration	Naples, Italy Background (Maximum)	USEPA RSL 30-Year Exposure		USEPA RSL 30-Year Exposure	
			NonCancer	Cancer	NCEF	CEF
Cadmium (Water)	--	--	--	--	--	--
Chromium	4.39	579	--	--	--	--
Cobalt	4.73	36.6	--	--	--	--
Copper	32.2	3965	3100	--	0.01	--
Iron	19200	154600	55000	--	0.3	--
Lead	37.1	2052	400	--	0.09	--
Manganese (Diet)	592	5923	--	--	--	--
Manganese (Water)	--	--	1800	--	--	--
Mercury	--	2.66	6.7	--	--	--
Nickel	4.79	689	1600	--	0.003	--
Selenium	--	1.9	390	--	--	--
Silver	0.12	8.132	390	--	0.0003	--
Thallium	1.51	69	5.1	--	0.3	--
Tin	2.52	--	47000	--	0.00005	--
Vanadium	39.6	187	550	--	0.07	--
Zinc	65.5	3211	23000	--	0.003	--
Microorganisms						
Fecal Coliform	--	--	--	--	--	--
Fecal Streptococcus	--	--	--	--	--	--
Heterotrophic Plate Count	--	--	--	--	--	--
Total Coliforms (including Fecal Coliform and E. Coli)	--	--	--	--	--	--
Pesticides						
4,4-DDD	--	--	--	2	--	--
4,4-DDE	--	--	--	1.4	--	--
4,4-DDT	--	--	36	1.7	--	--
Aldrin	--	--	1.8	0.029	--	--
alpha-BHC	--	--	--	0.077	--	--
alpha-Chlordane	--	--	--	--	--	--
beta-BHC	--	--	--	0.27	--	--
Chlordane	--	--	35	1.6	--	--
delta-BHC	--	--	--	--	--	--
Dieldrin	--	--	3.1	0.03	--	--
Endosulfan I	--	--	--	--	--	--
Endosulfan II	--	--	--	--	--	--
Endosulfan Sulfate	--	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR08

	Soil - mg/kg					
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	NonCancer	Cancer	NCEF	CEF
Endrin	--	--	18	--	--	--
Endrin Aldehyde	--	--	--	--	--	--
gamma-BHC (Lindane)	--	--	21	0.52	--	--
gamma-Chlordane	--	--	35	1.6	--	--
Heptachlor	--	--	31	0.11	--	--
Heptachlor Epoxide	--	--	0.79	0.053	--	--
Methoxychlor	--	--	310	--	--	--
Toxaphene	--	--	--	0.44	--	--
Polychlorinated bi-phenyls						
Aroclor 1016	--	--	3.9	6.3	--	--
Aroclor 1016/1260	--	--	3.9	0.22	--	--
Aroclor 1221	--	--	--	0.17	--	--
Aroclor 1232	--	--	--	0.17	--	--
Aroclor 1242	--	--	--	0.22	--	--
Aroclor 1248	--	--	--	0.22	--	--
Aroclor 1254	--	--	1.1	0.22	--	--
Aroclor 1260	--	--	--	0.22	--	--
Radionuclides						
Uranium	--	--	230	--	--	--
Semi-Volatile Organic Compounds						
1,1'-Biphenyl	--	--	3900	--	--	--
1,2,4,5-Tetrachlorobenzene	--	--	18	--	--	--
2,3,4,6-Tetrachlorophenol	--	--	1800	--	--	--
2,4,5-Trichlorophenol	--	--	6100	--	--	--
2,4,6-Trichlorophenol	--	--	61	44	--	--
2,4-Dichlorophenol	--	--	180	--	--	--
2,4-Dimethylphenol	--	--	1200	--	--	--
2,4-Dinitrophenol	--	--	120	--	--	--
2,4-Dinitrotoluene	--	--	120	--	--	--
2,6-Dichlorophenol	--	--	--	--	--	--
2,6-Dinitrotoluene	--	--	61	--	--	--
2-Chloronaphthalene	--	--	6300	--	--	--
2-Chlorophenol	--	--	390	--	--	--
2-Methylnaphthalene	--	--	310	--	--	--
2-Methylphenol (o-Cresol)	--	--	3100	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR08

	Soil - mg/kg					
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	NonCancer	Cancer	NCEF	CEF
2-Nitrophenol	--	--	--	--	--	--
3&4-Methylphenol	--	--	310	--	--	--
3-Methylphenol	--	--	3100	--	--	--
3-Nitroaniline	--	--	--	--	--	--
4,6-Dinitro-2-Methylphenol	--	--	--	--	--	--
4-Bromophenylphenylether	--	--	--	--	--	--
4-Chloro-3-Methylphenol	--	--	--	--	--	--
4-Chloroanaline	--	--	240	--	--	--
4-Methylphenol (p-Cresol)	--	--	310	--	--	--
4-Nitroaniline	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--
Acenaphthene	--	--	3400	--	--	--
Acenaphthylene	--	--	--	--	--	--
Aniline	--	--	430	85	--	--
Anthracene	--	--	17000	--	--	--
Atrazine	--	--	2100	2.1	--	--
Benzo(g,h,i)perylene	--	--	--	--	--	--
Bis(2-ethylhexyl)phthalate	--	--	1200	35	--	--
Butylbenzylphthalate	--	--	12000	--	--	--
Carbazole	--	--	--	24	--	--
Di-n-butylphthalate	--	--	6100	--	--	--
Di-n-octylphthalate	--	--	--	--	--	--
Dibenzofuran	--	--	--	--	--	--
Diethylphthalate	--	--	49000	--	--	--
Dimethylphthalate	--	--	--	--	--	--
Diphenylamine	--	--	1500	--	--	--
Fluoranthene	--	--	2300	--	--	--
Fluorene	--	--	2300	--	--	--
Hexachlorobenzene	--	--	49	0.3	--	--
Hexachlorobutadiene	--	--	61	6.2	--	--
Hexachlorocyclopentadiene	--	--	370	--	--	--
Hexachloroethane	--	--	61	35	--	--
Naphthalene	--	--	150	3.9	--	--
Nitrobenzene	--	--	31	--	--	--
o-Toluidine	--	--	--	2.7	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR08

	Soil - mg/kg					
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	NonCancer	Cancer	NCEF	CEF
Pentachlorobenzene	--	--	49	--	--	--
Pentachloronitrobenzene	--	--	180	1.9	--	--
Pentachlorophenol	--	--	1400	3	--	--
Phenanthrene	--	--	--	--	--	--
Phenol	--	--	18000	--	--	--
Pyrene	--	--	1700	--	--	--
Total Carcinogenic PAHS (BaP TEQs)	--	--	--	0.015	--	--
Total Petroleum Hydrocarbon						
Tph (c03-c20)	--	--	--	--	--	--
Tph (c08-c40)	--	--	--	--	--	--
Volatile Organic Compounds						
1,1,1,2-Tetrachloroethane	--	--	2300	2	--	--
1,1,1-Trichloroethane	--	--	9000	--	--	--
1,1,2,2-Tetrachloroethane	--	--	--	0.59	--	--
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	--	43000	--	--	--
1,1,2-Trichloroethane	--	--	310	1.1	--	--
1,1-Dichloroethane	--	--	1100	3.4	--	--
1,1-Dichloroethene	--	--	250	--	--	--
1,2,3-Trichlorobenzene	--	--	--	--	--	--
1,2,3-Trichloropropane	--	--	470	0.091	--	--
1,2,4-Trichlorobenzene	--	--	780	180	--	--
1,2,4-Trimethylbenzene	--	--	67	--	--	--
1,2-Dibromo-3-Chloropropane	--	--	5.1	0.0056	--	--
1,2-Dibromoethane	--	--	79	0.034	--	--
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	--	--	--	--	--	--
1,2-Dichlorobenzene	--	--	2000	--	--	--
1,2-Dichloroethane	--	--	13000	0.45	--	--
1,2-Dichloropropane	--	--	17	0.93	--	--
1,3,5-Trimethylbenzene	--	--	--	--	--	--
1,3-Butadiene	--	--	2	0.077	--	--
1,3-Dichlorobenzene	--	--	--	--	--	--
1,3-Dichloropropane	--	--	1600	--	--	--
1,4-Dichlorobenzene	--	--	10000	2.6	--	--
2,2-Dichloropropane	--	--	--	--	--	--
2-Butanone (methyl ethyl ketone)	--	--	28000	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR08

	Soil - mg/kg					
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	NonCancer	Cancer	NCEF	CEF
2-Chlorotoluene	--	--	1600	--	--	--
2-Hexanone	--	--	--	--	--	--
4-Chlorotoluene	--	--	5500	--	--	--
4-Isopropyltoluene	--	--	--	--	--	--
4-Methyl-2-Pentanone	--	--	5300	--	--	--
Acetaldehyde	--	--	89	11	--	--
Acetone	--	--	61000	--	--	--
Acetonitrile	--	--	870	--	--	--
Acetophenone	--	--	7800	--	--	--
Acrolein	--	--	0.16	--	--	--
Acrylonitrile	--	--	14	0.24	--	--
Benzene	--	--	90	1.1	--	--
Bis(2-Chloroethyl)ether	--	--	--	0.19	--	--
Bis(chloromethyl)ether	--	--	--	0.00027	--	--
Bromochloromethane	--	--	--	--	--	--
Bromodichloromethane	--	--	1600	10	--	--
Bromoform	--	--	1200	61	--	--
Bromomethane	--	--	7.9	--	--	--
Carbon Disulfide	--	--	670	--	--	--
Carbon Tetrachloride	--	--	47	0.25	--	--
Chlorobenzene	--	--	310	--	--	--
Chloroethane	--	--	15000	--	--	--
Chloroform	--	--	220	0.3	--	--
Chloromethane	--	--	120	1.7	--	--
Chloroprene	--	--	8.6	--	--	--
cis-1,2-Dichloroethene	--	--	780	--	--	--
cis-1,3-Dichloropropene	--	--	--	--	--	--
Cyclohexane	--	--	7200	--	--	--
Dibromochloromethane	--	--	1200	5.8	--	--
Dibromomethane	--	--	780	--	--	--
Dichlorodifluoromethane (Freon 12)	--	--	190	--	--	--
Ethylbenzene	--	--	3600	5.7	--	--
Formaldehyde	--	--	12000	250000	--	--
Hexane	--	--	570	--	--	--
Isobutyl Alcohol	--	--	23000	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR08

	Soil - mg/kg					
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	NonCancer	Cancer	NCEF	CEF
Isophorone	--	--	12000	510	--	--
Isopropylbenzene	--	--	2200	--	--	--
m,p-Xylenes	--	--	600	--	--	--
Methyl Acetate	--	--	78000	--	--	--
Methyl tert-Butyl Ether	--	--	15000	39	--	--
Methylcyclohexane	--	--	3400	--	--	--
Methylene Chloride	--	--	1700	11	--	--
n-Butylbenzene	--	--	--	--	--	--
n-Propylbenzene	--	--	--	--	--	--
o-Xylene	--	--	5300	--	--	--
Pentachloroethane	--	--	--	--	--	--
sec-Butylbenzene	--	--	--	--	--	--
Styrene	--	--	6500	--	--	--
tert-Butylbenzene	--	--	--	--	--	--
Tetrachloroethene	--	--	380	0.57	--	--
Toluene	0.00173	--	5000	--	0.0000003	--
trans-1,2-Dichloroethene	--	--	110	--	--	--
trans-1,3-Dichloropropene	--	--	--	--	--	--
Trans-1,4-Dichloro-2-Butene	--	--	--	--	--	--
Trichloroethene	--	--	--	2.8	--	--
Trichlorofluoromethane	--	--	800	--	--	--
Vinyl Acetate	--	--	990	--	--	--
Vinyl Chloride	--	--	74	0.06	--	--
Xylenes, Total	--	--	600	--	--	--
				TOTAL RISK	1.9	31.9
				BACKGROUND RISK	1.9	31.8
				INCREMENTAL RISK	0.03	0.08

-- = The chemical was not analyzed, not detected or no value was available.

CEF = Cancer exceedance factor. CEFs were calculated by dividing detected concentrations by cancer-based USEPA RSLs. A CEF of 1 corresponds to a cancer risk of 1x10^-6 (one in a million).

Naples, Italy Background (Maximum) = Cicchella, Domencio, et al. *Background and baseline concentration values of elements harmful to human health in the volcanic soils of the metorpolitan and provincial areas of Napoli (Italy).* Geochemistry: Exploration, Environment, Analysis Vol. 5 2005, pp.29-40.

NCEF = Noncancer exceedance factor. NCEFs were calculated by dividing detected concentrations by noncancer- based USEPA RSLs. An NCEF of 1 corresponds to a Hazard Index of 1.

RSL = Regional Screening Level

USEPA = United States Environmental Protection Agency

Fecal Coliform, Fecal Steptococcus and Total Coliforms (including Fecal Coliform and E. Coli) are reported in CFU/100 mL.

Heterotrophic Plate Count is reported in CFU/1 mL.

Risk calculations may appear to not add correctly due to rounding.

Total Risk = The risk for all chemicals.

Background Risk = The risk for chemicals (i.e., inorganic elements) that are present at concentrations less than or equal to the Naples, Italy Background (Maximum) concentrations.

Incremental Risk = The risk for chemicals that are not naturally occurring in the environment. The risk management category for this location (i.e., Acceptable or Unacceptable) is based on this risk.

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR08

	Soil Gas - mg/m3				
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	NonCancer	Cancer	NCEF	CEF
Alkane Hydrocarbon					
Octane	--	--	--	--	--
Pentadecane	--	--	--	--	--
Tridecane	--	--	--	--	--
Undecane	--	--	--	--	--
Anion					
Chloride	--	--	--	--	--
Cyanide	--	--	--	--	--
Fluoride	--	--	--	--	--
Nitrate (measured as NO3-)	--	--	--	--	--
Nitrite (measured as NO2-)	--	--	--	--	--
Phosphate	--	--	--	--	--
Sulfate	--	--	--	--	--
Dioxins/Furans					
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	--	--	0.00000000064	--	--
Disinfectants					
Chlorine (as Cl2)	--	--	--	--	--
Disinfection Byproducts					
Total Trihalomethanes	--	--	--	--	--
Field Parameters					
Dissolved Oxygen	--	--	--	--	--
Oxidation Reduction Potential	--	--	--	--	--
pH	--	--	--	--	--
Salinity	--	--	--	--	--
Specific Conductance	--	--	--	--	--
Temperature	--	--	--	--	--
Total Dissolved Solids	--	--	--	--	--
Total Solids	--	--	--	--	--
Turbidity	--	--	--	--	--
Inorganics					
Aluminum	--	0.052	--	--	--
Antimony	--	--	--	--	--
Arsenic	--	0.00031	0.0000057	--	--
Barium	--	0.0052	--	--	--
Beryllium	--	0.00021	0.00001	--	--
Cadmium (Diet)	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR08

	Soil Gas - mg/m3				
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	NonCancer	Cancer	NCEF	CEF
Cadmium (Water)	--	--	0.000014	--	--
Chromium	--	--	--	--	--
Cobalt	--	--	--	--	--
Copper	--	--	--	--	--
Iron	--	--	--	--	--
Lead	--	0.017	--	--	--
Manganese (Diet)	--	--	--	--	--
Manganese (Water)	--	0.00052	--	--	--
Mercury	--	0.0031	--	--	--
Nickel	--	--	--	--	--
Selenium	--	--	--	--	--
Silver	--	--	--	--	--
Thallium	--	--	--	--	--
Tin	--	--	--	--	--
Vanadium	--	--	--	--	--
Zinc	--	--	--	--	--
Microorganisms					
Fecal Coliform	--	--	--	--	--
Fecal Streptococcus	--	--	--	--	--
Heterotrophic Plate Count	--	--	--	--	--
Total Coliforms (including Fecal Coliform and E. Coli)	--	--	--	--	--
Pesticides					
4,4-DDD	--	--	--	--	--
4,4-DDE	--	--	--	--	--
4,4-DDT	--	--	0.00025	--	--
Aldrin	--	--	0.000005	--	--
alpha-BHC	--	--	0.000014	--	--
alpha-Chlordane	--	--	--	--	--
beta-BHC	--	--	0.000046	--	--
Chlordane	--	0.0073	0.00024	--	--
delta-BHC	--	--	--	--	--
Dieldrin	--	--	0.0000053	--	--
Endosulfan I	--	--	--	--	--
Endosulfan II	--	--	--	--	--
Endosulfan Sulfate	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR08

	Soil Gas - mg/m3				
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	NonCancer	Cancer	NCEF	CEF
Endrin	--	--	--	--	--
Endrin Aldehyde	--	--	--	--	--
gamma-BHC (Lindane)	--	--	0.000078	--	--
gamma-Chlordane	--	0.0073	0.00024	--	--
Heptachlor	--	--	0.000019	--	--
Heptachlor Epoxide	--	--	0.0000094	--	--
Methoxychlor	--	--	--	--	--
Toxaphene	--	--	0.000076	--	--
Polychlorinated bi-phenyls					
Aroclor 1016	--	--	0.0012	--	--
Aroclor 1016/1260	--	--	0.000043	--	--
Aroclor 1221	--	--	0.000043	--	--
Aroclor 1232	--	--	0.000043	--	--
Aroclor 1242	--	--	0.000043	--	--
Aroclor 1248	--	--	0.000043	--	--
Aroclor 1254	--	--	0.000043	--	--
Aroclor 1260	--	--	0.000043	--	--
Radionuclides					
Uranium	--	--	--	--	--
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	--	--	--	--	--
2,4,5-Trichlorophenol	--	--	--	--	--
2,4,6-Trichlorophenol	--	--	0.0078	--	--
2,4-Dichlorophenol	--	--	--	--	--
2,4-Dimethylphenol	--	--	--	--	--
2,4-Dinitrophenol	--	--	--	--	--
2,4-Dinitrotoluene	--	--	--	--	--
2,6-Dichlorophenol	--	--	--	--	--
2,6-Dinitrotoluene	--	--	--	--	--
2-Chloronaphthalene	--	--	--	--	--
2-Chlorophenol	--	--	--	--	--
2-Methylnaphthalene	--	--	--	--	--
2-Methylphenol (o-Cresol)	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR08

	Soil Gas - mg/m3				
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	NonCancer	Cancer	NCEF	CEF
2-Nitrophenol	--	--	--	--	--
3&4-Methylphenol	--	--	--	--	--
3-Methylphenol	--	--	--	--	--
3-Nitroaniline	--	--	--	--	--
4,6-Dinitro-2-Methylphenol	--	--	--	--	--
4-Bromophenylphenylether	--	--	--	--	--
4-Chloro-3-Methylphenol	--	--	--	--	--
4-Chloroanaline	--	--	--	--	--
4-Methylphenol (p-Cresol)	--	--	--	--	--
4-Nitroaniline	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--
Acenaphthene	--	--	--	--	--
Acenaphthylene	--	--	--	--	--
Aniline	--	0.01	--	--	--
Anthracene	--	--	--	--	--
Atrazine	--	--	--	--	--
Benzo(g,h,i)perylene	--	--	--	--	--
Bis(2-ethylhexyl)phthalate	--	--	--	--	--
Butylbenzylphthalate	--	--	--	--	--
Carbazole	--	--	--	--	--
Di-n-butylphthalate	--	--	--	--	--
Di-n-octylphthalate	--	--	--	--	--
Dibenzofuran	--	--	--	--	--
Diethylphthalate	--	--	--	--	--
Dimethylphthalate	--	--	--	--	--
Diphenylamine	--	--	--	--	--
Fluoranthene	--	--	--	--	--
Fluorene	--	--	--	--	--
Hexachlorobenzene	--	--	0.000053	--	--
Hexachlorobutadiene	--	--	0.0011	--	--
Hexachlorocyclopentadiene	--	0.0021	--	--	--
Hexachloroethane	--	--	0.0061	--	--
Naphthalene	--	0.031	0.00072	--	--
Nitrobenzene	--	0.021	--	--	--
o-Toluidine	--	--	0.00048	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR08

	Soil Gas - mg/m3				
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	NonCancer	Cancer	NCEF	CEF
Pentachlorobenzene	--	--	--	--	--
Pentachloronitrobenzene	--	--	--	--	--
Pentachlorophenol	--	--	--	--	--
Phenanthrene	--	--	--	--	--
Phenol	--	2.1	--	--	--
Pyrene	--	--	--	--	--
Total Carcinogenic PAHS (BaP TEQs)	--	--	0.0000087	--	--
Total Petroleum Hydrocarbon					
Tph (c03-c20)	0.01797166	--	--	--	--
Tph (c08-c40)	--	--	--	--	--
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	--	--	0.0033	--	--
1,1,1-Trichloroethane	--	52	--	--	--
1,1,2,2-Tetrachloroethane	--	--	0.00042	--	--
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	310	--	--	--
1,1,2-Trichloroethane	--	--	0.0015	--	--
1,1-Dichloroethane	--	5.2	0.015	--	--
1,1-Dichloroethene	--	2.1	--	--	--
1,2,3-Trichlorobenzene	--	--	--	--	--
1,2,3-Trichloropropane	--	--	--	--	--
1,2,4-Trichlorobenzene	--	--	--	--	--
1,2,4-Trimethylbenzene	--	0.073	--	--	--
1,2-Dibromo-3-Chloropropane	--	0.0021	0.0000016	--	--
1,2-Dibromoethane	--	0.094	0.000041	--	--
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	--	--	--	--	--
1,2-Dichlorobenzene	--	2.1	--	--	--
1,2-Dichloroethane	--	25	0.00094	--	--
1,2-Dichloropropane	--	0.042	0.0024	--	--
1,3,5-Trimethylbenzene	--	--	--	--	--
1,3-Butadiene	--	0.021	0.00081	--	--
1,3-Dichlorobenzene	--	--	--	--	--
1,3-Dichloropropane	--	--	--	--	--
1,4-Dichlorobenzene	--	8.299999999999999	0.0022	--	--
2,2-Dichloropropane	--	--	--	--	--
2-Butanone (methyl ethyl ketone)	--	52	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR08

	Soil Gas - mg/m3				
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	NonCancer	Cancer	NCEF	CEF
2-Chlorotoluene	--	--	--	--	--
2-Hexanone	--	--	--	--	--
4-Chlorotoluene	--	--	--	--	--
4-Isopropyltoluene	--	--	--	--	--
4-Methyl-2-Pentanone	--	31	--	--	--
Acetaldehyde	--	0.094	0.011	--	--
Acetone	--	320	--	--	--
Acetonitrile	--	0.63	--	--	--
Acetophenone	--	--	--	--	--
Acrolein	--	0.00021	--	--	--
Acrylonitrile	--	0.021	0.00036	--	--
Benzene	--	0.31	0.0031	--	--
Bis(2-Chloroethyl)ether	--	--	0.000074	--	--
Bis(chloromethyl)ether	--	--	0.00000039	--	--
Bromochloromethane	--	--	--	--	--
Bromodichloromethane	--	--	--	--	--
Bromoform	--	--	0.022	--	--
Bromomethane	--	0.052	--	--	--
Carbon Disulfide	--	7.3	--	--	--
Carbon Tetrachloride	--	2	0.0016	--	--
Chlorobenzene	--	0.52	--	--	--
Chloroethane	--	100	--	--	--
Chloroform	--	1	0.0011	--	--
Chloromethane	--	0.94	0.014	--	--
Chloroprene	--	0.073	--	--	--
cis-1,2-Dichloroethene	--	--	--	--	--
cis-1,3-Dichloropropene	--	--	--	--	--
Cyclohexane	--	63	--	--	--
Dibromochloromethane	--	--	--	--	--
Dibromomethane	--	--	--	--	--
Dichlorodifluoromethane (Freon 12)	--	2.1	--	--	--
Ethylbenzene	--	10	0.0097	--	--
Formaldehyde	--	0.1	0.0019	--	--
Hexane	--	7.3	--	--	--
Isobutyl Alcohol	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR08

	Soil Gas - mg/m3				
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	NonCancer	Cancer	NCEF	CEF
Isophorone	--	21	--	--	--
Isopropylbenzene	--	4.2	--	--	--
m,p-Xylenes	--	1	--	--	--
Methyl Acetate	--	--	--	--	--
Methyl tert-Butyl Ether	--	31	0.094	--	--
Methylcyclohexane	--	31	--	--	--
Methylene Chloride	--	11	0.052	--	--
n-Butylbenzene	--	--	--	--	--
n-Propylbenzene	--	--	--	--	--
o-Xylene	--	7.3	--	--	--
Pentachloroethane	--	--	--	--	--
sec-Butylbenzene	--	--	--	--	--
Styrene	--	10	--	--	--
tert-Butylbenzene	--	--	--	--	--
Tetrachloroethene	--	2.8	0.0041	--	--
Toluene	--	52	--	--	--
trans-1,2-Dichloroethene	--	0.63	--	--	--
trans-1,3-Dichloropropene	--	--	--	--	--
Trans-1,4-Dichloro-2-Butene	--	--	--	--	--
Trichloroethene	--	--	0.012	--	--
Trichlorofluoromethane	--	7.3	--	--	--
Vinyl Acetate	--	2.1	--	--	--
Vinyl Chloride	--	1	0.0016	--	--
Xylenes, Total	--	1	--	--	--
			TOTAL RISK	0	0
			BACKGROUND RISK	0	0
			INCREMENTAL RISK	0	0

-- = The chemical was not analyzed, not detected or no value was available.
CEF = Cancer exceedance factor. CEFs were calculated by dividing detected concentrations by cancer-based USEPA RSLs.
A CEF of 1 corresponds to a cancer risk of 1x10^-6 (one in a million).
NCEF = Noncancer exceedance factor. NCEFs were calculated by dividing detected concentrations by noncancer- based USEPA RSLs.
An NCEF of 1 corresponds to a Hazard Index of 1.
RSL = Regional Screening Level
USEPA = United States Environmental Protection Agency
Fecal Coliform, Fecal Steptococcus and Total Coliforms (including Fecal Coliform and E. Coli) are reported in CFU/100 mL.
Heterotrophic Plate Count is reported in CFU/1 mL.
Risk calculations may appear to not add correctly due to rounding.

Total Risk = The risk for all chemicals.
Background Risk = None of the volatile organic chemicals tested for in the soil gas samples are naturally occurring. Therefore, the background risk is zero.
Incremental Risk = The Total Risk. The risk management category for this location (i.e., Acceptable or Unacceptable) is based on this risk.

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR08

	Tap Water - mg/L										
			USEPA RSL					USEPA RSL			
			30-Year Exposure					30-Year Exposure			
			Inhalation		Ingestion			Inhalation		Ingestion	
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	NCEF	CEF	NCEF	CEF
Alkane Hydrocarbon											
Octane	--	--	--	--	--	--	--	--	--	--	--
Pentadecane	--	--	--	--	--	--	--	--	--	--	--
Tridecane	--	--	--	--	--	--	--	--	--	--	--
Undecane	--	--	--	--	--	--	--	--	--	--	--
Anion											
Chloride	43.7	--	--	--	--	--	--	--	--	--	--
Cyanide	--	0.2	--	--	0.73	--	--	--	--	--	--
Fluoride	0.591	4	--	--	--	--	0.1	--	--	--	--
Nitrate (measured as NO3-)	10.5	44.3	--	--	255.2	--	0.2	--	--	0.04	--
Nitrite (measured as NO2-)	--	3.29	--	--	12.21	--	--	--	--	--	--
Phosphate	--	--	--	--	--	--	--	--	--	--	--
Sulfate	15.7	--	--	--	--	--	--	--	--	--	--
Dioxins/Furans											
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.000000000028	0.00000003	--	--	0.000000037	0.0000000005	0.0009	--	--	0.0008	0.05
Disinfectants											
Chlorine (as Cl2)	0.01	4.01	--	--	--	--	0.002	--	--	--	--
Disinfection Byproducts											
Total Trihalomethanes	0.00302	0.0807	--	--	--	--	0.04	--	--	--	--
Field Parameters											
Dissolved Oxygen	9.51	--	--	--	--	--	--	--	--	--	--
Oxidation Reduction Potential	368	--	--	--	--	--	--	--	--	--	--
pH	7.46	--	--	--	--	--	--	--	--	--	--
Salinity	--	--	--	--	--	--	--	--	--	--	--
Specific Conductance	0.88	--	--	--	--	--	--	--	--	--	--
Temperature	27.33	--	--	--	--	--	--	--	--	--	--
Total Dissolved Solids	--	--	--	--	--	--	--	--	--	--	--
Total Solids	--	--	--	--	--	--	--	--	--	--	--
Turbidity	30	--	--	--	--	--	--	--	--	--	--
Inorganics											
Aluminum	0.00295	--	--	--	37	--	--	--	--	0.00008	--
Antimony	0.000202	0.006	--	--	0.015	--	0.03	--	--	0.01	--
Arsenic	0.00672	0.01	--	--	0.011	0.000045	0.7	--	--	0.6	**149.3**
Barium	0.017	2	--	--	7.3	--	0.009	--	--	0.002	--
Beryllium	--	0.004	--	--	0.073	--	--	--	--	--	--
Cadmium (Diet)	--	--	--	--	--	--	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR08

	Tap Water - mg/L										
			USEPA RSL					USEPA RSL			
			30-Year Exposure					30-Year Exposure			
			Inhalation		Ingestion			Inhalation		Ingestion	
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	NCEF	CEF	NCEF	CEF
Cadmium (Water)	0.000126	0.005	--	--	0.018	--	0.03	--	--	0.007	--
Chromium	0.000587	0.1	--	--	--	--	0.006	--	--	--	--
Cobalt	0.000244	--	--	--	--	--	--	--	--	--	--
Copper	0.184	--	--	--	1.5	--	--	--	--	0.1	--
Iron	0.377	--	--	--	26	--	--	--	--	0.01	--
Lead	0.011	--	--	--	0.02	--	--	--	--	0.6	--
Manganese (Diet)	--	--	--	--	--	--	--	--	--	--	--
Manganese (Water)	0.0138	--	--	--	0.88	--	--	--	--	0.02	--
Mercury	--	0.002	0.00063	--	--	--	--	--	--	--	--
Nickel	0.0825	--	--	--	0.73	--	--	--	--	0.1	--
Selenium	--	0.05	--	--	0.18	--	--	--	--	--	--
Silver	--	--	--	--	0.18	--	--	--	--	--	--
Thallium	--	0.002	--	--	0.0024	--	--	--	--	--	--
Tin	0.000381	--	--	--	22	--	--	--	--	0.00002	--
Vanadium	--	--	--	--	0.26	--	--	--	--	--	--
Zinc	4.87	--	--	--	11	--	--	--	--	0.4	--
Microorganisms											
Fecal Coliform	--	0	--	--	--	--	--	--	--	--	--
Fecal Streptococcus	0	--	--	--	--	--	--	--	--	--	--
Heterotrophic Plate Count	970	--	--	--	--	--	--	--	--	--	--
Total Coliforms (including Fecal Coliform and E. Coli)	--	0	--	--	--	--	--	--	--	--	--
Pesticides											
4,4-DDD	--	--	--	--	--	0.00028	--	--	--	--	--
4,4-DDE	--	--	--	--	--	0.0002	--	--	--	--	--
4,4-DDT	--	--	--	--	0.018	0.0002	--	--	--	--	--
Aldrin	--	--	--	--	0.0011	0.000004	--	--	--	--	--
alpha-BHC	--	--	--	--	--	0.000011	--	--	--	--	--
alpha-Chlordane	--	0.002	--	--	--	--	--	--	--	--	--
beta-BHC	--	--	--	--	--	0.000037	--	--	--	--	--
Chlordane	--	0.002	--	--	0.018	0.00019	--	--	--	--	--
delta-BHC	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	--	--	--	--	0.0018	0.0000042	--	--	--	--	--
Endosulfan I	--	--	--	--	--	--	--	--	--	--	--
Endosulfan II	--	--	--	--	--	--	--	--	--	--	--
Endosulfan Sulfate	--	--	--	--	--	--	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR08

	Tap Water - mg/L										
			USEPA RSL					USEPA RSL			
			30-Year Exposure					30-Year Exposure			
			Inhalation		Ingestion			Inhalation		Ingestion	
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	NCEF	CEF	NCEF	CEF
Endrin	--	0.002	--	--	0.011	--	--	--	--	--	--
Endrin Aldehyde	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC (Lindane)	--	0.0002	--	--	0.011	0.000061	--	--	--	--	--
gamma-Chlordane	--	0.002	--	--	0.018	0.00019	--	--	--	--	--
Heptachlor	--	0.0004	--	--	0.018	0.000015	--	--	--	--	--
Heptachlor Epoxide	--	0.0002	--	--	0.00047	0.0000074	--	--	--	--	--
Methoxychlor	--	0.04	--	--	0.18	--	--	--	--	--	--
Toxaphene	--	0.003	--	--	--	0.000061	--	--	--	--	--
Polychlorinated bi-phenyls											
Aroclor 1016	--	--	--	--	0.0026	0.00096	--	--	--	--	--
Aroclor 1016/1260	--	--	--	--	0.0026	0.000034	--	--	--	--	--
Aroclor 1221	--	--	--	0.0000085	--	0.000034	--	--	--	--	--
Aroclor 1232	--	--	--	0.0000085	--	0.000034	--	--	--	--	--
Aroclor 1242	--	--	--	--	--	0.000034	--	--	--	--	--
Aroclor 1248	--	--	--	--	--	0.000034	--	--	--	--	--
Aroclor 1254	--	--	--	--	0.00073	0.000034	--	--	--	--	--
Aroclor 1260	--	--	--	--	--	0.000034	--	--	--	--	--
Radionuclides											
Uranium	0.000505	0.03	--	--	0.11	--	0.02	--	--	0.005	--
Semi-Volatile Organic Compounds											
1,1'-Biphenyl	--	--	--	--	1.8	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	--	--	--	--	0.011	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	--	--	--	--	1.1	--	--	--	--	--	--
2,4,5-Trichlorophenol	--	--	--	--	3.7	--	--	--	--	--	--
2,4,6-Trichlorophenol	--	--	--	--	0.037	0.0061	--	--	--	--	--
2,4-Dichlorophenol	--	--	--	--	0.11	--	--	--	--	--	--
2,4-Dimethylphenol	--	--	--	--	0.73	--	--	--	--	--	--
2,4-Dinitrophenol	--	--	--	--	0.073	--	--	--	--	--	--
2,4-Dinitrotoluene	--	--	--	--	0.073	--	--	--	--	--	--
2,6-Dichlorophenol	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	--	--	--	--	0.037	--	--	--	--	--	--
2-Chloronaphthalene	--	--	--	--	2.9	--	--	--	--	--	--
2-Chlorophenol	--	--	--	--	0.18	--	--	--	--	--	--
2-Methylnaphthalene	--	--	--	--	0.15	--	--	--	--	--	--
2-Methylphenol (o-Cresol)	--	--	--	--	1.8	--	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR08

	Tap Water - mg/L										
			USEPA RSL					USEPA RSL			
			30-Year Exposure					30-Year Exposure			
			Inhalation		Ingestion			Inhalation		Ingestion	
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	NCEF	CEF	NCEF	CEF
2-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--
3&4-Methylphenol	--	--	--	--	0.18	--	--	--	--	--	--
3-Methylphenol	--	--	--	--	1.8	--	--	--	--	--	--
3-Nitroaniline	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-Methylphenol	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenylphenylether	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-Methylphenol	--	--	--	--	--	--	--	--	--	--	--
4-Chloroanaline	--	--	--	--	0.15	--	--	--	--	--	--
4-Methylphenol (p-Cresol)	--	--	--	--	0.18	--	--	--	--	--	--
4-Nitroaniline	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	--	--	--	--	2.2	--	--	--	--	--	--
Acenaphthylene	--	--	--	--	--	--	--	--	--	--	--
Aniline	--	--	--	--	0.26	0.012	--	--	--	--	--
Anthracene	--	--	--	--	11	--	--	--	--	--	--
Atrazine	--	0.003	--	--	1.3	0.00029	--	--	--	--	--
Benzo(g,h,i)perylene	--	--	--	--	--	--	--	--	--	--	--
Bis(2-ethylhexyl)phthalate	--	0.006	--	--	0.73	0.0048	--	--	--	--	--
Butylbenzylphthalate	--	--	--	--	7.3	--	--	--	--	--	--
Carbazole	--	--	--	--	--	0.0034	--	--	--	--	--
Di-n-butylphthalate	--	--	--	--	3.7	--	--	--	--	--	--
Di-n-octylphthalate	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	--	--	--	--	--	--	--	--	--	--	--
Diethylphthalate	--	--	--	--	29	--	--	--	--	--	--
Dimethylphthalate	--	--	--	--	--	--	--	--	--	--	--
Diphenylamine	--	--	--	--	0.91	--	--	--	--	--	--
Fluoranthene	--	--	--	--	1.5	--	--	--	--	--	--
Fluorene	--	--	--	--	1.5	--	--	--	--	--	--
Hexachlorobenzene	--	0.001	--	--	0.029	0.000042	--	--	--	--	--
Hexachlorobutadiene	--	--	--	--	0.037	0.00086	--	--	--	--	--
Hexachlorocyclopentadiene	--	0.05	--	--	0.22	--	--	--	--	--	--
Hexachloroethane	--	--	--	--	0.037	0.0048	--	--	--	--	--
Naphthalene	--	--	0.0063	0.00014	0.73	--	--	--	--	--	--
Nitrobenzene	--	--	0.0042	--	0.018	--	--	--	--	--	--
o-Toluidine	--	--	--	--	--	0.00037	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR08

	Tap Water - mg/L										
			USEPA RSL					USEPA RSL			
			30-Year Exposure					30-Year Exposure			
			Inhalation		Ingestion			Inhalation		Ingestion	
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	NCEF	CEF	NCEF	CEF
Pentachlorobenzene	--	--	--	--	0.029	--	--	--	--	--	--
Pentachloronitrobenzene	--	--	--	--	0.11	0.00026	--	--	--	--	--
Pentachlorophenol	--	0.001	--	--	1.1	0.00056	--	--	--	--	--
Phenanthrene	--	--	--	--	--	--	--	--	--	--	--
Phenol	--	--	--	--	11	--	--	--	--	--	--
Pyrene	--	--	--	--	1.1	--	--	--	--	--	--
Total Carcinogenic PAHS (BaP TEQs)	--	0.0002	--	--	--	0.0000029	--	--	--	--	--
Total Petroleum Hydrocarbon											
Tph (c03-c20)	--	--	--	--	--	--	--	--	--	--	--
Tph (c08-c40)	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds											
1,1,1,2-Tetrachloroethane	--	--	--	0.00066	1.1	0.0026	--	--	--	--	--
1,1,1-Trichloroethane	--	0.2	10	--	73	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	--	--	--	0.000084	--	0.00034	--	--	--	--	--
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	--	63	--	1100	--	--	--	--	--	--
1,1,2-Trichloroethane	--	0.005	--	0.0003	0.15	0.0012	--	--	--	--	--
1,1-Dichloroethane	--	--	1	0.003	7.3	0.012	--	--	--	--	--
1,1-Dichloroethene	--	0.007	0.42	--	1.8	--	--	--	--	--	--
1,2,3-Trichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	--	--	--	--	0.22	0.0000096	--	--	--	--	--
1,2,4-Trichlorobenzene	--	0.07	--	--	0.37	0.019	--	--	--	--	--
1,2,4-Trimethylbenzene	--	--	0.015	--	--	--	--	--	--	--	--
1,2-Dibromo-3-Chloropropane	--	0.0002	0.00042	0.00000032	0.0073	0.000027	--	--	--	--	--
1,2-Dibromoethane	--	0.00005	0.019	0.0000081	0.33	0.000034	--	--	--	--	--
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	--	0.6	0.42	--	3.3	--	--	--	--	--	--
1,2-Dichloroethane	--	0.005	5.1	0.00019	--	0.00074	--	--	--	--	--
1,2-Dichloropropane	--	0.005	0.0083	0.00049	--	0.0019	--	--	--	--	--
1,3,5-Trimethylbenzene	--	--	--	--	--	--	--	--	--	--	--
1,3-Butadiene	--	--	0.0042	0.00016	--	--	--	--	--	--	--
1,3-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	--	--	--	--	0.73	--	--	--	--	--	--
1,4-Dichlorobenzene	--	0.075	1.7	0.00044	--	0.012	--	--	--	--	--
2,2-Dichloropropane	--	--	--	--	--	--	--	--	--	--	--
2-Butanone (methyl ethyl ketone)	--	--	10	--	22	--	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR08

	Tap Water - mg/L										
			USEPA RSL					USEPA RSL			
			30-Year Exposure					30-Year Exposure			
			Inhalation		Ingestion			Inhalation		Ingestion	
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	NCEF	CEF	NCEF	CEF
2-Chlorotoluene	--	--	--	--	0.73	--	--	--	--	--	--
2-Hexanone	--	--	--	--	--	--	--	--	--	--	--
4-Chlorotoluene	--	--	--	--	2.6	--	--	--	--	--	--
4-Isopropyltoluene	--	--	--	--	--	--	--	--	--	--	--
4-Methyl-2-Pentanone	--	--	6.3	--	2.9	--	--	--	--	--	--
Acetaldehyde	--	--	0.019	0.0022	--	--	--	--	--	--	--
Acetone	--	--	64	--	33	--	--	--	--	--	--
Acetonitrile	--	--	0.13	--	--	--	--	--	--	--	--
Acetophenone	--	--	--	--	3.7	--	--	--	--	--	--
Acrolein	--	--	0.000042	--	0.018	--	--	--	--	--	--
Acrylonitrile	--	--	0.0042	0.000072	0.037	0.00012	--	--	--	--	--
Benzene	--	0.005	0.063	0.00062	0.15	0.0012	--	--	--	--	--
Bis(2-Chloroethyl)ether	--	--	--	0.000015	--	0.000061	--	--	--	--	--
Bis(chloromethyl)ether	--	--	--	0.000000078	--	0.00000031	--	--	--	--	--
Bromochloromethane	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	0.000172	--	--	--	0.73	0.0011	--	--	--	0.0002	0.2
Bromoform	0.00221	--	--	--	0.73	0.0085	--	--	--	0.003	0.3
Bromomethane	--	--	0.01	--	0.051	--	--	--	--	--	--
Carbon Disulfide	--	--	1.5	--	3.7	--	--	--	--	--	--
Carbon Tetrachloride	--	0.005	0.39	0.00032	0.026	0.00052	--	--	--	--	--
Chlorobenzene	--	0.1	0.1	--	0.73	--	--	--	--	--	--
Chloroethane	--	--	21	--	--	--	--	--	--	--	--
Chloroform	0.000112	--	0.2	0.00021	0.37	0.0022	--	0.0006	0.5	0.0003	0.05
Chloromethane	0.000264	--	0.19	0.0027	--	0.0052	--	0.001	0.10	--	0.05
Chloroprene	--	--	0.015	--	0.73	--	--	--	--	--	--
cis-1,2-Dichloroethene	--	0.07	--	--	0.37	--	--	--	--	--	--
cis-1,3-Dichloropropene	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	--	--	13	--	--	--	--	--	--	--	--
Dibromochloromethane	0.000526	--	--	--	0.73	0.0008	--	--	--	0.0007	0.7
Dibromomethane	--	--	--	--	0.37	--	--	--	--	--	--
Dichlorodifluoromethane (Freon 12)	--	--	0.42	--	7.3	--	--	--	--	--	--
Ethylbenzene	--	0.7	2.1	0.0019	3.7	0.0061	--	--	--	--	--
Formaldehyde	--	--	--	--	7.3	--	--	--	--	--	--
Hexane	--	--	1.5	--	2.2	--	--	--	--	--	--
Isobutyl Alcohol	--	--	--	--	11	--	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR08

	Tap Water - mg/L										
			USEPA RSL					USEPA RSL			
			30-Year Exposure					30-Year Exposure			
			Inhalation		Ingestion			Inhalation		Ingestion	
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	NCEF	CEF	NCEF	CEF
Isophorone	--	--	--	--	7.3	0.071	--	--	--	--	--
Isopropylbenzene	--	--	0.83	--	3.7	--	--	--	--	--	--
m,p-Xylenes	--	--	0.21	--	7.3	--	--	--	--	--	--
Methyl Acetate	--	--	--	--	37	--	--	--	--	--	--
Methyl tert-Butyl Ether	--	--	6.3	0.019	--	0.037	--	--	--	--	--
Methylcyclohexane	--	--	6.3	--	--	--	--	--	--	--	--
Methylene Chloride	--	0.005	2.2	0.01	2.2	0.009	--	--	--	--	--
n-Butylbenzene	--	--	--	--	--	--	--	--	--	--	--
n-Propylbenzene	--	--	--	--	--	--	--	--	--	--	--
o-Xylene	--	--	1.5	--	73	--	--	--	--	--	--
Pentachloroethane	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	--	--	--	--	--	--	--	--	--	--	--
Styrene	--	0.1	2.1	--	7.3	--	--	--	--	--	--
tert-Butylbenzene	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	--	0.005	0.57	0.00082	0.37	0.00012	--	--	--	--	--
Toluene	--	1	10	--	2.9	--	--	--	--	--	--
trans-1,2-Dichloroethene	--	0.1	0.13	--	0.73	--	--	--	--	--	--
trans-1,3-Dichloropropene	--	--	--	--	--	--	--	--	--	--	--
Trans-1,4-Dichloro-2-Butene	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	--	0.005	--	0.0024	--	0.0052	--	--	--	--	--
Trichlorofluoromethane	--	--	1.5	--	11	--	--	--	--	--	--
Vinyl Acetate	--	--	0.42	--	37	--	--	--	--	--	--
Vinyl Chloride	--	0.002	0.21	0.00032	0.11	0.000017	--	--	--	--	--
Xylenes, Total	--	10	0.21	--	7.3	--	--	--	--	--	--
							TOTAL RISK	0.002	0.6	1.9	150.6
							BACKGROUND RISK	0	0	1.2	149.3
							INCREMENTAL RISK	0.002	0.6	0.7	1.2

-- = The chemical was not analyzed, not detected or no value was available.
CEF = Cancer exceedance factor. CEFs were calculated by dividing detected concentrations by cancer-based USEPA RSLs.
A CEF of 1 corresponds to a cancer risk of 1x10^-6 (one in a million).
NCEF = Noncancer exceedance factor. NCEFs were calculated by dividing detected concentrations by noncancer-based USEPA RSLs.
An NCEF of 1 corresponds to a Hazard Index of 1.
RSL = Regional Screening Level
USEPA = United States Environmental Protection Agency
USEPA MCL EF = USEPA Maximum Contaminant Level Exceedance Factor. USEPA MCL EFs were calculated by dividing detected concentrations by the USEPA MCLs.
USEPA MCL = USEPA Maximum Contaminant Levels (http://www.epa.gov/ogwdw/contaminants/index.html).
Fecal Coliform, Fecal Steptococcus and Total Coliforms (including Fecal Coliform and E. Coli) are reported in CFU/100 mL (CFU = colony forming units).
Heterotrophic Plate Count is reported in CFU/1 mL.
Risk calculations may appear to not add correctly due to rounding.

Total Risk = The risk for all chemicals.
Background Risk = The risk for chemicals (i.e., inorganic elements) that are naturally occurring in the environment but does not include lead, copper and thallium.
Incremental Risk = The risk for chemicals that are not naturally occurring in the environment. The risk management category for this location
(i.e., Acceptable or Unacceptable) is based on this risk. This includes lead, copper and thallium.
The ingestion exceedance factors are presented for informational purposes only. The risk-management decision (i.e., Acceptable or Unacceptable) will be made
based on inhalation because the Navy leadership has stated that all personnel should be using bottled water for drinking, cooking, and brushing teeth.

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR09

Chemical	Soil - mg/kg					
	Maximum Detected Concentration	Naples, Italy Background (Maximum)	USEPA RSL 30-Year Exposure		USEPA RSL 30-Year Exposure	
			NonCancer	Cancer	NCEF	CEF
Alkane Hydrocarbon						
Octane	--	--	--	--	--	--
Pentadecane	--	--	--	--	--	--
Tridecane	--	--	--	--	--	--
Undecane	--	--	--	--	--	--
Anion						
Chloride	--	--	--	--	--	--
Cyanide	--	--	1600	--	--	--
Fluoride	--	--	--	--	--	--
Nitrate (measured as NO3-)	--	--	572000	--	--	--
Nitrite (measured as NO2-)	--	--	25740	--	--	--
Phosphate	--	--	--	--	--	--
Sulfate	--	--	--	--	--	--
Dioxins/Furans						
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.00000050716	--	0.000072	0.0000045	0.007	0.1
Disinfectants						
Chlorine (as Cl2)	--	--	--	--	--	--
Disinfection Byproducts						
Total Trihalomethanes	--	--	--	--	--	--
Field Parameters						
Dissolved Oxygen	--	--	--	--	--	--
Oxidation Reduction Potential	--	--	--	--	--	--
pH	--	--	--	--	--	--
Salinity	--	--	--	--	--	--
Specific Conductance	--	--	--	--	--	--
Temperature	--	--	--	--	--	--
Total Dissolved Solids	--	--	--	--	--	--
Total Solids	80.40000000000001	--	--	--	--	--
Turbidity	--	--	--	--	--	--
Inorganics						
Aluminum	36100	86900	77000	--	0.5	--
Antimony	0.499	42.8	31	--	0.02	--
Arsenic	11.9	164	22	0.39	0.5	**30.5**
Barium	257	1813	15000	--	0.02	--
Beryllium	4.79	--	160	1400	0.03	0.003
Cadmium (Diet)	0.205	10.6	70	1800	0.003	0.0001

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR09

	Soil - mg/kg					
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	NonCancer	Cancer	NCEF	CEF
Cadmium (Water)	--	--	--	--	--	--
Chromium	5.5	579	--	--	--	--
Cobalt	4.75	36.6	--	--	--	--
Copper	43.5	3965	3100	--	0.01	--
Iron	18600	154600	55000	--	0.3	--
Lead	41.7	2052	400	--	0.1	--
Manganese (Diet)	590	5923	--	--	--	--
Manganese (Water)	--	--	1800	--	--	--
Mercury	--	2.66	6.7	--	--	--
Nickel	5.84	689	1600	--	0.004	--
Selenium	--	1.9	390	--	--	--
Silver	--	8.132	390	--	--	--
Thallium	--	69	5.1	--	--	--
Tin	2.62	--	47000	--	0.00006	--
Vanadium	45	187	550	--	0.08	--
Zinc	61	3211	23000	--	0.003	--
Microorganisms						
Fecal Coliform	--	--	--	--	--	--
Fecal Streptococcus	--	--	--	--	--	--
Heterotrophic Plate Count	--	--	--	--	--	--
Total Coliforms (including Fecal Coliform and E. Coli)	--	--	--	--	--	--
Pesticides						
4,4-DDD	--	--	--	2	--	--
4,4-DDE	--	--	--	1.4	--	--
4,4-DDT	--	--	36	1.7	--	--
Aldrin	--	--	1.8	0.029	--	--
alpha-BHC	--	--	--	0.077	--	--
alpha-Chlordane	--	--	--	--	--	--
beta-BHC	--	--	--	0.27	--	--
Chlordane	--	--	35	1.6	--	--
delta-BHC	--	--	--	--	--	--
Dieldrin	--	--	3.1	0.03	--	--
Endosulfan I	--	--	--	--	--	--
Endosulfan II	--	--	--	--	--	--
Endosulfan Sulfate	--	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR09

Chemical	Soil - mg/kg					
	Maximum Detected Concentration	Naples, Italy Background (Maximum)	USEPA RSL 30-Year Exposure		USEPA RSL 30-Year Exposure	
			NonCancer	Cancer	NCEF	CEF
Endrin	--	--	18	--	--	--
Endrin Aldehyde	--	--	--	--	--	--
gamma-BHC (Lindane)	--	--	21	0.52	--	--
gamma-Chlordane	--	--	35	1.6	--	--
Heptachlor	--	--	31	0.11	--	--
Heptachlor Epoxide	--	--	0.79	0.053	--	--
Methoxychlor	--	--	310	--	--	--
Toxaphene	--	--	--	0.44	--	--
Polychlorinated bi-phenyls						
Aroclor 1016	--	--	3.9	6.3	--	--
Aroclor 1016/1260	--	--	3.9	0.22	--	--
Aroclor 1221	--	--	--	0.17	--	--
Aroclor 1232	--	--	--	0.17	--	--
Aroclor 1242	--	--	--	0.22	--	--
Aroclor 1248	--	--	--	0.22	--	--
Aroclor 1254	--	--	1.1	0.22	--	--
Aroclor 1260	--	--	--	0.22	--	--
Radionuclides						
Uranium	--	--	230	--	--	--
Semi-Volatile Organic Compounds						
1,1'-Biphenyl	--	--	3900	--	--	--
1,2,4,5-Tetrachlorobenzene	--	--	18	--	--	--
2,3,4,6-Tetrachlorophenol	--	--	1800	--	--	--
2,4,5-Trichlorophenol	--	--	6100	--	--	--
2,4,6-Trichlorophenol	--	--	61	44	--	--
2,4-Dichlorophenol	--	--	180	--	--	--
2,4-Dimethylphenol	--	--	1200	--	--	--
2,4-Dinitrophenol	--	--	120	--	--	--
2,4-Dinitrotoluene	--	--	120	--	--	--
2,6-Dichlorophenol	--	--	--	--	--	--
2,6-Dinitrotoluene	--	--	61	--	--	--
2-Chloronaphthalene	--	--	6300	--	--	--
2-Chlorophenol	--	--	390	--	--	--
2-Methylnaphthalene	--	--	310	--	--	--
2-Methylphenol (o-Cresol)	--	--	3100	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR09

	Soil - mg/kg					
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	NonCancer	Cancer	NCEF	CEF
2-Nitrophenol	--	--	--	--	--	--
3&4-Methylphenol	--	--	310	--	--	--
3-Methylphenol	--	--	3100	--	--	--
3-Nitroaniline	--	--	--	--	--	--
4,6-Dinitro-2-Methylphenol	--	--	--	--	--	--
4-Bromophenylphenylether	--	--	--	--	--	--
4-Chloro-3-Methylphenol	--	--	--	--	--	--
4-Chloroanaline	--	--	240	--	--	--
4-Methylphenol (p-Cresol)	--	--	310	--	--	--
4-Nitroaniline	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--
Acenaphthene	--	--	3400	--	--	--
Acenaphthylene	--	--	--	--	--	--
Aniline	--	--	430	85	--	--
Anthracene	--	--	17000	--	--	--
Atrazine	--	--	2100	2.1	--	--
Benzo(g,h,i)perylene	--	--	--	--	--	--
Bis(2-ethylhexyl)phthalate	--	--	1200	35	--	--
Butylbenzylphthalate	--	--	12000	--	--	--
Carbazole	--	--	--	24	--	--
Di-n-butylphthalate	--	--	6100	--	--	--
Di-n-octylphthalate	--	--	--	--	--	--
Dibenzofuran	--	--	--	--	--	--
Diethylphthalate	--	--	49000	--	--	--
Dimethylphthalate	--	--	--	--	--	--
Diphenylamine	--	--	1500	--	--	--
Fluoranthene	--	--	2300	--	--	--
Fluorene	--	--	2300	--	--	--
Hexachlorobenzene	--	--	49	0.3	--	--
Hexachlorobutadiene	--	--	61	6.2	--	--
Hexachlorocyclopentadiene	--	--	370	--	--	--
Hexachloroethane	--	--	61	35	--	--
Naphthalene	--	--	150	3.9	--	--
Nitrobenzene	--	--	31	--	--	--
o-Toluidine	--	--	--	2.7	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR09

	Soil - mg/kg					
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	NonCancer	Cancer	NCEF	CEF
Pentachlorobenzene	--	--	49	--	--	--
Pentachloronitrobenzene	--	--	180	1.9	--	--
Pentachlorophenol	--	--	1400	3	--	--
Phenanthrene	--	--	--	--	--	--
Phenol	--	--	18000	--	--	--
Pyrene	--	--	1700	--	--	--
Total Carcinogenic PAHS (BaP TEQs)	--	--	--	0.015	--	--
Total Petroleum Hydrocarbon						
Tph (c03-c20)	--	--	--	--	--	--
Tph (c08-c40)	--	--	--	--	--	--
Volatile Organic Compounds						
1,1,1,2-Tetrachloroethane	--	--	2300	2	--	--
1,1,1-Trichloroethane	--	--	9000	--	--	--
1,1,2,2-Tetrachloroethane	--	--	--	0.59	--	--
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	--	43000	--	--	--
1,1,2-Trichloroethane	--	--	310	1.1	--	--
1,1-Dichloroethane	--	--	1100	3.4	--	--
1,1-Dichloroethene	--	--	250	--	--	--
1,2,3-Trichlorobenzene	--	--	--	--	--	--
1,2,3-Trichloropropane	--	--	470	0.091	--	--
1,2,4-Trichlorobenzene	--	--	780	180	--	--
1,2,4-Trimethylbenzene	--	--	67	--	--	--
1,2-Dibromo-3-Chloropropane	--	--	5.1	0.0056	--	--
1,2-Dibromoethane	--	--	79	0.034	--	--
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	--	--	--	--	--	--
1,2-Dichlorobenzene	--	--	2000	--	--	--
1,2-Dichloroethane	--	--	13000	0.45	--	--
1,2-Dichloropropane	--	--	17	0.93	--	--
1,3,5-Trimethylbenzene	--	--	--	--	--	--
1,3-Butadiene	--	--	2	0.077	--	--
1,3-Dichlorobenzene	--	--	--	--	--	--
1,3-Dichloropropane	--	--	1600	--	--	--
1,4-Dichlorobenzene	--	--	10000	2.6	--	--
2,2-Dichloropropane	--	--	--	--	--	--
2-Butanone (methyl ethyl ketone)	--	--	28000	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR09

	Soil - mg/kg					
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	NonCancer	Cancer	NCEF	CEF
2-Chlorotoluene	--	--	1600	--	--	--
2-Hexanone	--	--	--	--	--	--
4-Chlorotoluene	--	--	5500	--	--	--
4-Isopropyltoluene	--	--	--	--	--	--
4-Methyl-2-Pentanone	--	--	5300	--	--	--
Acetaldehyde	--	--	89	11	--	--
Acetone	--	--	61000	--	--	--
Acetonitrile	--	--	870	--	--	--
Acetophenone	--	--	7800	--	--	--
Acrolein	--	--	0.16	--	--	--
Acrylonitrile	--	--	14	0.24	--	--
Benzene	--	--	90	1.1	--	--
Bis(2-Chloroethyl)ether	--	--	--	0.19	--	--
Bis(chloromethyl)ether	--	--	--	0.00027	--	--
Bromochloromethane	--	--	--	--	--	--
Bromodichloromethane	--	--	1600	10	--	--
Bromoform	--	--	1200	61	--	--
Bromomethane	--	--	7.9	--	--	--
Carbon Disulfide	--	--	670	--	--	--
Carbon Tetrachloride	--	--	47	0.25	--	--
Chlorobenzene	--	--	310	--	--	--
Chloroethane	--	--	15000	--	--	--
Chloroform	--	--	220	0.3	--	--
Chloromethane	--	--	120	1.7	--	--
Chloroprene	--	--	8.6	--	--	--
cis-1,2-Dichloroethene	--	--	780	--	--	--
cis-1,3-Dichloropropene	--	--	--	--	--	--
Cyclohexane	--	--	7200	--	--	--
Dibromochloromethane	--	--	1200	5.8	--	--
Dibromomethane	--	--	780	--	--	--
Dichlorodifluoromethane (Freon 12)	--	--	190	--	--	--
Ethylbenzene	--	--	3600	5.7	--	--
Formaldehyde	--	--	12000	250000	--	--
Hexane	--	--	570	--	--	--
Isobutyl Alcohol	--	--	23000	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR09

	Soil - mg/kg					
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	NonCancer	Cancer	NCEF	CEF
Isophorone	--	--	12000	510	--	--
Isopropylbenzene	--	--	2200	--	--	--
m,p-Xylenes	--	--	600	--	--	--
Methyl Acetate	--	--	78000	--	--	--
Methyl tert-Butyl Ether	--	--	15000	39	--	--
Methylcyclohexane	--	--	3400	--	--	--
Methylene Chloride	--	--	1700	11	--	--
n-Butylbenzene	--	--	--	--	--	--
n-Propylbenzene	--	--	--	--	--	--
o-Xylene	--	--	5300	--	--	--
Pentachloroethane	--	--	--	--	--	--
sec-Butylbenzene	--	--	--	--	--	--
Styrene	--	--	6500	--	--	--
tert-Butylbenzene	--	--	--	--	--	--
Tetrachloroethene	--	--	380	0.57	--	--
Toluene	--	--	5000	--	--	--
trans-1,2-Dichloroethene	--	--	110	--	--	--
trans-1,3-Dichloropropene	--	--	--	--	--	--
Trans-1,4-Dichloro-2-Butene	--	--	--	--	--	--
Trichloroethene	--	--	--	2.8	--	--
Trichlorofluoromethane	--	--	800	--	--	--
Vinyl Acetate	--	--	990	--	--	--
Vinyl Chloride	--	--	74	0.06	--	--
Xylenes, Total	--	--	600	--	--	--
				TOTAL RISK	1.6	30.6
				BACKGROUND RISK	1.6	30.5
				INCREMENTAL RISK	0.04	0.1

-- = The chemical was not analyzed, not detected or no value was available.

CEF = Cancer exceedance factor. CEFs were calculated by dividing detected concentrations by cancer-based USEPA RSLs. A CEF of 1 corresponds to a cancer risk of 1x10^-6 (one in a million).

Naples, Italy Background (Maximum) = Cicchella, Domencio, et al. *Background and baseline concentration values of elements harmful to human health in the volcanic soils of the metorpolitan and provincial areas of Napoli (Italy).* Geochemistry: Exploration, Environment, Analysis Vol. 5 2005, pp.29-40.

NCEF = Noncancer exceedance factor. NCEFs were calculated by dividing detected concentrations by noncancer- based USEPA RSLs. An NCEF of 1 corresponds to a Hazard Index of 1.

RSL = Regional Screening Level

USEPA = United States Environmental Protection Agency

Fecal Coliform, Fecal Steptococcus and Total Coliforms (including Fecal Coliform and E. Coli) are reported in CFU/100 mL.

Heterotrophic Plate Count is reported in CFU/1 mL.

Risk calculations may appear to not add correctly due to rounding.

Total Risk = The risk for all chemicals.

Background Risk = The risk for chemicals (i.e., inorganic elements) that are present at concentrations less than or equal to the Naples, Italy Background (Maximum) concentrations.

Incremental Risk = The risk for chemicals that are not naturally occurring in the environment. The risk management category for this location (i.e., Acceptable or Unacceptable) is based on this risk.

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR09

	Soil Gas - mg/m3				
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	NonCancer	Cancer	NCEF	CEF
Alkane Hydrocarbon					
Octane	--	--	--	--	--
Pentadecane	--	--	--	--	--
Tridecane	--	--	--	--	--
Undecane	--	--	--	--	--
Anion					
Chloride	--	--	--	--	--
Cyanide	--	--	--	--	--
Fluoride	--	--	--	--	--
Nitrate (measured as NO3-)	--	--	--	--	--
Nitrite (measured as NO2-)	--	--	--	--	--
Phosphate	--	--	--	--	--
Sulfate	--	--	--	--	--
Dioxins/Furans					
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	--	--	0.00000000064	--	--
Disinfectants					
Chlorine (as Cl2)	--	--	--	--	--
Disinfection Byproducts					
Total Trihalomethanes	--	--	--	--	--
Field Parameters					
Dissolved Oxygen	--	--	--	--	--
Oxidation Reduction Potential	--	--	--	--	--
pH	--	--	--	--	--
Salinity	--	--	--	--	--
Specific Conductance	--	--	--	--	--
Temperature	--	--	--	--	--
Total Dissolved Solids	--	--	--	--	--
Total Solids	--	--	--	--	--
Turbidity	--	--	--	--	--
Inorganics					
Aluminum	--	0.052	--	--	--
Antimony	--	--	--	--	--
Arsenic	--	0.00031	0.0000057	--	--
Barium	--	0.0052	--	--	--
Beryllium	--	0.00021	0.00001	--	--
Cadmium (Diet)	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR09

	Soil Gas - mg/m3				
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	NonCancer	Cancer	NCEF	CEF
Cadmium (Water)	--	--	0.000014	--	--
Chromium	--	--	--	--	--
Cobalt	--	--	--	--	--
Copper	--	--	--	--	--
Iron	--	--	--	--	--
Lead	--	0.017	--	--	--
Manganese (Diet)	--	--	--	--	--
Manganese (Water)	--	0.00052	--	--	--
Mercury	--	0.0031	--	--	--
Nickel	--	--	--	--	--
Selenium	--	--	--	--	--
Silver	--	--	--	--	--
Thallium	--	--	--	--	--
Tin	--	--	--	--	--
Vanadium	--	--	--	--	--
Zinc	--	--	--	--	--
Microorganisms					
Fecal Coliform	--	--	--	--	--
Fecal Streptococcus	--	--	--	--	--
Heterotrophic Plate Count	--	--	--	--	--
Total Coliforms (including Fecal Coliform and E. Coli)	--	--	--	--	--
Pesticides					
4,4-DDD	--	--	--	--	--
4,4-DDE	--	--	--	--	--
4,4-DDT	--	--	0.00025	--	--
Aldrin	--	--	0.000005	--	--
alpha-BHC	--	--	0.000014	--	--
alpha-Chlordane	--	--	--	--	--
beta-BHC	--	--	0.000046	--	--
Chlordane	--	0.0073	0.00024	--	--
delta-BHC	--	--	--	--	--
Dieldrin	--	--	0.0000053	--	--
Endosulfan I	--	--	--	--	--
Endosulfan II	--	--	--	--	--
Endosulfan Sulfate	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR09

	Soil Gas - mg/m3				
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	NonCancer	Cancer	NCEF	CEF
Endrin	--	--	--	--	--
Endrin Aldehyde	--	--	--	--	--
gamma-BHC (Lindane)	--	--	0.000078	--	--
gamma-Chlordane	--	0.0073	0.00024	--	--
Heptachlor	--	--	0.000019	--	--
Heptachlor Epoxide	--	--	0.0000094	--	--
Methoxychlor	--	--	--	--	--
Toxaphene	--	--	0.000076	--	--
Polychlorinated bi-phenyls					
Aroclor 1016	--	--	0.0012	--	--
Aroclor 1016/1260	--	--	0.000043	--	--
Aroclor 1221	--	--	0.000043	--	--
Aroclor 1232	--	--	0.000043	--	--
Aroclor 1242	--	--	0.000043	--	--
Aroclor 1248	--	--	0.000043	--	--
Aroclor 1254	--	--	0.000043	--	--
Aroclor 1260	--	--	0.000043	--	--
Radionuclides					
Uranium	--	--	--	--	--
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	--	--	--	--	--
2,4,5-Trichlorophenol	--	--	--	--	--
2,4,6-Trichlorophenol	--	--	0.0078	--	--
2,4-Dichlorophenol	--	--	--	--	--
2,4-Dimethylphenol	--	--	--	--	--
2,4-Dinitrophenol	--	--	--	--	--
2,4-Dinitrotoluene	--	--	--	--	--
2,6-Dichlorophenol	--	--	--	--	--
2,6-Dinitrotoluene	--	--	--	--	--
2-Chloronaphthalene	--	--	--	--	--
2-Chlorophenol	--	--	--	--	--
2-Methylnaphthalene	--	--	--	--	--
2-Methylphenol (o-Cresol)	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR09

	Soil Gas - mg/m3				
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	NonCancer	Cancer	NCEF	CEF
2-Nitrophenol	--	--	--	--	--
3&4-Methylphenol	--	--	--	--	--
3-Methylphenol	--	--	--	--	--
3-Nitroaniline	--	--	--	--	--
4,6-Dinitro-2-Methylphenol	--	--	--	--	--
4-Bromophenylphenylether	--	--	--	--	--
4-Chloro-3-Methylphenol	--	--	--	--	--
4-Chloroanaline	--	--	--	--	--
4-Methylphenol (p-Cresol)	--	--	--	--	--
4-Nitroaniline	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--
Acenaphthene	--	--	--	--	--
Acenaphthylene	--	--	--	--	--
Aniline	--	0.01	--	--	--
Anthracene	--	--	--	--	--
Atrazine	--	--	--	--	--
Benzo(g,h,i)perylene	--	--	--	--	--
Bis(2-ethylhexyl)phthalate	--	--	--	--	--
Butylbenzylphthalate	--	--	--	--	--
Carbazole	--	--	--	--	--
Di-n-butylphthalate	--	--	--	--	--
Di-n-octylphthalate	--	--	--	--	--
Dibenzofuran	--	--	--	--	--
Diethylphthalate	--	--	--	--	--
Dimethylphthalate	--	--	--	--	--
Diphenylamine	--	--	--	--	--
Fluoranthene	--	--	--	--	--
Fluorene	--	--	--	--	--
Hexachlorobenzene	--	--	0.000053	--	--
Hexachlorobutadiene	--	--	0.0011	--	--
Hexachlorocyclopentadiene	--	0.0021	--	--	--
Hexachloroethane	--	--	0.0061	--	--
Naphthalene	--	0.031	0.00072	--	--
Nitrobenzene	--	0.021	--	--	--
o-Toluidine	--	--	0.00048	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR09

	Soil Gas - mg/m3				
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	NonCancer	Cancer	NCEF	CEF
Pentachlorobenzene	--	--	--	--	--
Pentachloronitrobenzene	--	--	--	--	--
Pentachlorophenol	--	--	--	--	--
Phenanthrene	--	--	--	--	--
Phenol	--	2.1	--	--	--
Pyrene	--	--	--	--	--
Total Carcinogenic PAHS (BaP TEQs)	--	--	0.0000087	--	--
Total Petroleum Hydrocarbon					
Tph (c03-c20)	--	--	--	--	--
Tph (c08-c40)	--	--	--	--	--
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	--	--	0.0033	--	--
1,1,1-Trichloroethane	--	52	--	--	--
1,1,2,2-Tetrachloroethane	--	--	0.00042	--	--
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	310	--	--	--
1,1,2-Trichloroethane	--	--	0.0015	--	--
1,1-Dichloroethane	--	5.2	0.015	--	--
1,1-Dichloroethene	--	2.1	--	--	--
1,2,3-Trichlorobenzene	--	--	--	--	--
1,2,3-Trichloropropane	--	--	--	--	--
1,2,4-Trichlorobenzene	--	--	--	--	--
1,2,4-Trimethylbenzene	--	0.073	--	--	--
1,2-Dibromo-3-Chloropropane	--	0.0021	0.0000016	--	--
1,2-Dibromoethane	--	0.094	0.000041	--	--
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	--	--	--	--	--
1,2-Dichlorobenzene	--	2.1	--	--	--
1,2-Dichloroethane	--	25	0.00094	--	--
1,2-Dichloropropane	--	0.042	0.0024	--	--
1,3,5-Trimethylbenzene	--	--	--	--	--
1,3-Butadiene	--	0.021	0.00081	--	--
1,3-Dichlorobenzene	--	--	--	--	--
1,3-Dichloropropane	--	--	--	--	--
1,4-Dichlorobenzene	--	8.299999999999999	0.0022	--	--
2,2-Dichloropropane	--	--	--	--	--
2-Butanone (methyl ethyl ketone)	--	52	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR09

	Soil Gas - mg/m3				
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	NonCancer	Cancer	NCEF	CEF
2-Chlorotoluene	--	--	--	--	--
2-Hexanone	--	--	--	--	--
4-Chlorotoluene	--	--	--	--	--
4-Isopropyltoluene	--	--	--	--	--
4-Methyl-2-Pentanone	--	31	--	--	--
Acetaldehyde	--	0.094	0.011	--	--
Acetone	--	320	--	--	--
Acetonitrile	--	0.63	--	--	--
Acetophenone	--	--	--	--	--
Acrolein	--	0.00021	--	--	--
Acrylonitrile	--	0.021	0.00036	--	--
Benzene	--	0.31	0.0031	--	--
Bis(2-Chloroethyl)ether	--	--	0.000074	--	--
Bis(chloromethyl)ether	--	--	0.00000039	--	--
Bromochloromethane	--	--	--	--	--
Bromodichloromethane	--	--	--	--	--
Bromoform	--	--	0.022	--	--
Bromomethane	--	0.052	--	--	--
Carbon Disulfide	--	7.3	--	--	--
Carbon Tetrachloride	--	2	0.0016	--	--
Chlorobenzene	--	0.52	--	--	--
Chloroethane	--	100	--	--	--
Chloroform	--	1	0.0011	--	--
Chloromethane	--	0.94	0.014	--	--
Chloroprene	--	0.073	--	--	--
cis-1,2-Dichloroethene	--	--	--	--	--
cis-1,3-Dichloropropene	--	--	--	--	--
Cyclohexane	--	63	--	--	--
Dibromochloromethane	--	--	--	--	--
Dibromomethane	--	--	--	--	--
Dichlorodifluoromethane (Freon 12)	--	2.1	--	--	--
Ethylbenzene	--	10	0.0097	--	--
Formaldehyde	--	0.1	0.0019	--	--
Hexane	--	7.3	--	--	--
Isobutyl Alcohol	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR09

	Soil Gas - mg/m3				
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	NonCancer	Cancer	NCEF	CEF
Isophorone	--	21	--	--	--
Isopropylbenzene	--	4.2	--	--	--
m,p-Xylenes	--	1	--	--	--
Methyl Acetate	--	--	--	--	--
Methyl tert-Butyl Ether	--	31	0.094	--	--
Methylcyclohexane	--	31	--	--	--
Methylene Chloride	--	11	0.052	--	--
n-Butylbenzene	--	--	--	--	--
n-Propylbenzene	--	--	--	--	--
o-Xylene	--	7.3	--	--	--
Pentachloroethane	--	--	--	--	--
sec-Butylbenzene	--	--	--	--	--
Styrene	--	10	--	--	--
tert-Butylbenzene	--	--	--	--	--
Tetrachloroethene	0.003261127	2.8	0.0041	0.001	0.8
Toluene	--	52	--	--	--
trans-1,2-Dichloroethene	--	0.63	--	--	--
trans-1,3-Dichloropropene	--	--	--	--	--
Trans-1,4-Dichloro-2-Butene	--	--	--	--	--
Trichloroethene	0.000783907	--	0.012	--	0.07
Trichlorofluoromethane	--	7.3	--	--	--
Vinyl Acetate	--	2.1	--	--	--
Vinyl Chloride	--	1	0.0016	--	--
Xylenes, Total	--	1	--	--	--
			TOTAL RISK	0.001	0.9
			BACKGROUND RISK	0	0
			INCREMENTAL RISK	0.001	0.9

-- = The chemical was not analyzed, not detected or no value was available.
CEF = Cancer exceedance factor. CEFs were calculated by dividing detected concentrations by cancer-based USEPA RSLs.
A CEF of 1 corresponds to a cancer risk of 1x10^-6 (one in a million).
NCEF = Noncancer exceedance factor. NCEFs were calculated by dividing detected concentrations by noncancer- based USEPA RSLs.
An NCEF of 1 corresponds to a Hazard Index of 1.
RSL = Regional Screening Level
USEPA = United States Environmental Protection Agency
Fecal Coliform, Fecal Steptococcus and Total Coliforms (including Fecal Coliform and E. Coli) are reported in CFU/100 mL.
Heterotrophic Plate Count is reported in CFU/1 mL.
Risk calculations may appear to not add correctly due to rounding.

Total Risk = The risk for all chemicals.
Background Risk = None of the volatile organic chemicals tested for in the soil gas samples are naturally occurring. Therefore, the background risk is zero.
Incremental Risk = The Total Risk. The risk management category for this location (i.e., Acceptable or Unacceptable) is based on this risk.

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR09

	Tap Water - mg/L										
			USEPA RSL					USEPA RSL			
			30-Year Exposure					30-Year Exposure			
			Inhalation		Ingestion			Inhalation		Ingestion	
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	NCEF	CEF	NCEF	CEF
Alkane Hydrocarbon											
Octane	--	--	--	--	--	--	--	--	--	--	--
Pentadecane	--	--	--	--	--	--	--	--	--	--	--
Tridecane	--	--	--	--	--	--	--	--	--	--	--
Undecane	--	--	--	--	--	--	--	--	--	--	--
Anion											
Chloride	10.3	--	--	--	--	--	--	--	--	--	--
Cyanide	--	0.2	--	--	0.73	--	--	--	--	--	--
Fluoride	--	4	--	--	--	--	--	--	--	--	--
Nitrate (measured as NO3-)	2.69	44.3	--	--	255.2	--	0.06	--	--	0.01	--
Nitrite (measured as NO2-)	--	3.29	--	--	12.21	--	--	--	--	--	--
Phosphate	--	--	--	--	--	--	--	--	--	--	--
Sulfate	9.26	--	--	--	--	--	--	--	--	--	--
Dioxins/Furans											
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.000000000073	0.00000003	--	--	0.000000037	0.0000000005	0.002	--	--	0.002	0.1
Disinfectants											
Chlorine (as Cl2)	0.02	4.01	--	--	--	--	0.005	--	--	--	--
Disinfection Byproducts											
Total Trihalomethanes	0.00375	0.0807	--	--	--	--	0.05	--	--	--	--
Field Parameters											
Dissolved Oxygen	6.6	--	--	--	--	--	--	--	--	--	--
Oxidation Reduction Potential	288	--	--	--	--	--	--	--	--	--	--
pH	7.72	--	--	--	--	--	--	--	--	--	--
Salinity	--	--	--	--	--	--	--	--	--	--	--
Specific Conductance	0.77	--	--	--	--	--	--	--	--	--	--
Temperature	24.7	--	--	--	--	--	--	--	--	--	--
Total Dissolved Solids	--	--	--	--	--	--	--	--	--	--	--
Total Solids	--	--	--	--	--	--	--	--	--	--	--
Turbidity	22	--	--	--	--	--	--	--	--	--	--
Inorganics											
Aluminum	--	--	--	--	37	--	--	--	--	--	--
Antimony	0.00142	0.006	--	--	0.015	--	0.2	--	--	0.09	--
Arsenic	0.00505	0.01	--	--	0.011	0.000045	0.5	--	--	0.5	**112.2**
Barium	0.021	2	--	--	7.3	--	0.01	--	--	0.003	--
Beryllium	--	0.004	--	--	0.073	--	--	--	--	--	--
Cadmium (Diet)	--	--	--	--	--	--	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR09

	Tap Water - mg/L										
			USEPA RSL					USEPA RSL			
			30-Year Exposure					30-Year Exposure			
			Inhalation		Ingestion			Inhalation		Ingestion	
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	NCEF	CEF	NCEF	CEF
Cadmium (Water)	0.000215	0.005	--	--	0.018	--	0.04	--	--	0.01	--
Chromium	--	0.1	--	--	--	--	--	--	--	--	--
Cobalt	0.00262	--	--	--	--	--	--	--	--	--	--
Copper	0.0783	--	--	--	1.5	--	--	--	--	0.05	--
Iron	3.93	--	--	--	26	--	--	--	--	0.2	--
Lead	0.0107	--	--	--	0.02	--	--	--	--	0.5	--
Manganese (Diet)	--	--	--	--	--	--	--	--	--	--	--
Manganese (Water)	0.0534	--	--	--	0.88	--	--	--	--	0.06	--
Mercury	0.000053	0.002	0.00063	--	--	--	0.03	0.08	--	--	--
Nickel	6.32	--	--	--	0.73	--	--	--	--	8.7	--
Selenium	--	0.05	--	--	0.18	--	--	--	--	--	--
Silver	--	--	--	--	0.18	--	--	--	--	--	--
Thallium	--	0.002	--	--	0.0024	--	--	--	--	--	--
Tin	--	--	--	--	22	--	--	--	--	--	--
Vanadium	--	--	--	--	0.26	--	--	--	--	--	--
Zinc	2.34	--	--	--	11	--	--	--	--	0.2	--
Microorganisms											
Fecal Coliform	--	0	--	--	--	--	--	--	--	--	--
Fecal Streptococcus	0	--	--	--	--	--	--	--	--	--	--
Heterotrophic Plate Count	2630	--	--	--	--	--	--	--	--	--	--
Total Coliforms (including Fecal Coliform and E. Coli)	--	0	--	--	--	--	--	--	--	--	--
Pesticides											
4,4-DDD	--	--	--	--	--	0.00028	--	--	--	--	--
4,4-DDE	--	--	--	--	--	0.0002	--	--	--	--	--
4,4-DDT	--	--	--	--	0.018	0.0002	--	--	--	--	--
Aldrin	--	--	--	--	0.0011	0.000004	--	--	--	--	--
alpha-BHC	--	--	--	--	--	0.000011	--	--	--	--	--
alpha-Chlordane	--	0.002	--	--	--	--	--	--	--	--	--
beta-BHC	--	--	--	--	--	0.000037	--	--	--	--	--
Chlordane	--	0.002	--	--	0.018	0.00019	--	--	--	--	--
delta-BHC	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	--	--	--	--	0.0018	0.0000042	--	--	--	--	--
Endosulfan I	--	--	--	--	--	--	--	--	--	--	--
Endosulfan II	--	--	--	--	--	--	--	--	--	--	--
Endosulfan Sulfate	--	--	--	--	--	--	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR09

	Tap Water - mg/L										
			USEPA RSL					USEPA RSL			
			30-Year Exposure					30-Year Exposure			
			Inhalation		Ingestion			Inhalation		Ingestion	
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	NCEF	CEF	NCEF	CEF
Endrin	--	0.002	--	--	0.011	--	--	--	--	--	--
Endrin Aldehyde	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC (Lindane)	--	0.0002	--	--	0.011	0.000061	--	--	--	--	--
gamma-Chlordane	--	0.002	--	--	0.018	0.00019	--	--	--	--	--
Heptachlor	--	0.0004	--	--	0.018	0.000015	--	--	--	--	--
Heptachlor Epoxide	--	0.0002	--	--	0.00047	0.0000074	--	--	--	--	--
Methoxychlor	--	0.04	--	--	0.18	--	--	--	--	--	--
Toxaphene	--	0.003	--	--	--	0.000061	--	--	--	--	--
Polychlorinated bi-phenyls											
Aroclor 1016	--	--	--	--	0.0026	0.00096	--	--	--	--	--
Aroclor 1016/1260	--	--	--	--	0.0026	0.000034	--	--	--	--	--
Aroclor 1221	--	--	--	0.0000085	--	0.000034	--	--	--	--	--
Aroclor 1232	--	--	--	0.0000085	--	0.000034	--	--	--	--	--
Aroclor 1242	--	--	--	--	--	0.000034	--	--	--	--	--
Aroclor 1248	--	--	--	--	--	0.000034	--	--	--	--	--
Aroclor 1254	--	--	--	--	0.00073	0.000034	--	--	--	--	--
Aroclor 1260	--	--	--	--	--	0.000034	--	--	--	--	--
Radionuclides											
Uranium	0.000971	0.03	--	--	0.11	--	0.03	--	--	0.009	--
Semi-Volatile Organic Compounds											
1,1'-Biphenyl	--	--	--	--	1.8	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	--	--	--	--	0.011	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	--	--	--	--	1.1	--	--	--	--	--	--
2,4,5-Trichlorophenol	--	--	--	--	3.7	--	--	--	--	--	--
2,4,6-Trichlorophenol	--	--	--	--	0.037	0.0061	--	--	--	--	--
2,4-Dichlorophenol	--	--	--	--	0.11	--	--	--	--	--	--
2,4-Dimethylphenol	--	--	--	--	0.73	--	--	--	--	--	--
2,4-Dinitrophenol	--	--	--	--	0.073	--	--	--	--	--	--
2,4-Dinitrotoluene	--	--	--	--	0.073	--	--	--	--	--	--
2,6-Dichlorophenol	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	--	--	--	--	0.037	--	--	--	--	--	--
2-Chloronaphthalene	--	--	--	--	2.9	--	--	--	--	--	--
2-Chlorophenol	--	--	--	--	0.18	--	--	--	--	--	--
2-Methylnaphthalene	--	--	--	--	0.15	--	--	--	--	--	--
2-Methylphenol (o-Cresol)	--	--	--	--	1.8	--	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR09

	Tap Water - mg/L										
			USEPA RSL					USEPA RSL			
			30-Year Exposure					30-Year Exposure			
			Inhalation		Ingestion			Inhalation		Ingestion	
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	NCEF	CEF	NCEF	CEF
2-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--
3&4-Methylphenol	--	--	--	--	0.18	--	--	--	--	--	--
3-Methylphenol	--	--	--	--	1.8	--	--	--	--	--	--
3-Nitroaniline	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-Methylphenol	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenylphenylether	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-Methylphenol	--	--	--	--	--	--	--	--	--	--	--
4-Chloroanaline	--	--	--	--	0.15	--	--	--	--	--	--
4-Methylphenol (p-Cresol)	--	--	--	--	0.18	--	--	--	--	--	--
4-Nitroaniline	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	--	--	--	--	2.2	--	--	--	--	--	--
Acenaphthylene	--	--	--	--	--	--	--	--	--	--	--
Aniline	--	--	--	--	0.26	0.012	--	--	--	--	--
Anthracene	--	--	--	--	11	--	--	--	--	--	--
Atrazine	--	0.003	--	--	1.3	0.00029	--	--	--	--	--
Benzo(g,h,i)perylene	--	--	--	--	--	--	--	--	--	--	--
Bis(2-ethylhexyl)phthalate	--	0.006	--	--	0.73	0.0048	--	--	--	--	--
Butylbenzylphthalate	0.000103	--	--	--	7.3	--	--	--	--	0.00001	--
Carbazole	--	--	--	--	--	0.0034	--	--	--	--	--
Di-n-butylphthalate	--	--	--	--	3.7	--	--	--	--	--	--
Di-n-octylphthalate	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	--	--	--	--	--	--	--	--	--	--	--
Diethylphthalate	--	--	--	--	29	--	--	--	--	--	--
Dimethylphthalate	--	--	--	--	--	--	--	--	--	--	--
Diphenylamine	--	--	--	--	0.91	--	--	--	--	--	--
Fluoranthene	--	--	--	--	1.5	--	--	--	--	--	--
Fluorene	--	--	--	--	1.5	--	--	--	--	--	--
Hexachlorobenzene	--	0.001	--	--	0.029	0.000042	--	--	--	--	--
Hexachlorobutadiene	--	--	--	--	0.037	0.00086	--	--	--	--	--
Hexachlorocyclopentadiene	--	0.05	--	--	0.22	--	--	--	--	--	--
Hexachloroethane	--	--	--	--	0.037	0.0048	--	--	--	--	--
Naphthalene	--	--	0.0063	0.00014	0.73	--	--	--	--	--	--
Nitrobenzene	--	--	0.0042	--	0.018	--	--	--	--	--	--
o-Toluidine	--	--	--	--	--	0.00037	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR09

	Tap Water - mg/L										
			USEPA RSL					USEPA RSL			
			30-Year Exposure					30-Year Exposure			
			Inhalation		Ingestion			Inhalation		Ingestion	
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	NCEF	CEF	NCEF	CEF
Pentachlorobenzene	--	--	--	--	0.029	--	--	--	--	--	--
Pentachloronitrobenzene	--	--	--	--	0.11	0.00026	--	--	--	--	--
Pentachlorophenol	--	0.001	--	--	1.1	0.00056	--	--	--	--	--
Phenanthrene	--	--	--	--	--	--	--	--	--	--	--
Phenol	--	--	--	--	11	--	--	--	--	--	--
Pyrene	--	--	--	--	1.1	--	--	--	--	--	--
Total Carcinogenic PAHS (BaP TEQs)	--	0.0002	--	--	--	0.0000029	--	--	--	--	--
Total Petroleum Hydrocarbon											
Tph (c03-c20)	--	--	--	--	--	--	--	--	--	--	--
Tph (c08-c40)	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds											
1,1,1,2-Tetrachloroethane	--	--	--	0.00066	1.1	0.0026	--	--	--	--	--
1,1,1-Trichloroethane	--	0.2	10	--	73	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	--	--	--	0.000084	--	0.00034	--	--	--	--	--
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	--	63	--	1100	--	--	--	--	--	--
1,1,2-Trichloroethane	--	0.005	--	0.0003	0.15	0.0012	--	--	--	--	--
1,1-Dichloroethane	--	--	1	0.003	7.3	0.012	--	--	--	--	--
1,1-Dichloroethene	--	0.007	0.42	--	1.8	--	--	--	--	--	--
1,2,3-Trichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	--	--	--	--	0.22	0.0000096	--	--	--	--	--
1,2,4-Trichlorobenzene	--	0.07	--	--	0.37	0.019	--	--	--	--	--
1,2,4-Trimethylbenzene	--	--	0.015	--	--	--	--	--	--	--	--
1,2-Dibromo-3-Chloropropane	--	0.0002	0.00042	0.00000032	0.0073	0.000027	--	--	--	--	--
1,2-Dibromoethane	--	0.00005	0.019	0.0000081	0.33	0.000034	--	--	--	--	--
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	--	0.6	0.42	--	3.3	--	--	--	--	--	--
1,2-Dichloroethane	--	0.005	5.1	0.00019	--	0.00074	--	--	--	--	--
1,2-Dichloropropane	--	0.005	0.0083	0.00049	--	0.0019	--	--	--	--	--
1,3,5-Trimethylbenzene	--	--	--	--	--	--	--	--	--	--	--
1,3-Butadiene	--	--	0.0042	0.00016	--	--	--	--	--	--	--
1,3-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	--	--	--	--	0.73	--	--	--	--	--	--
1,4-Dichlorobenzene	--	0.075	1.7	0.00044	--	0.012	--	--	--	--	--
2,2-Dichloropropane	--	--	--	--	--	--	--	--	--	--	--
2-Butanone (methyl ethyl ketone)	--	--	10	--	22	--	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR09

	Tap Water - mg/L										
			USEPA RSL					USEPA RSL			
			30-Year Exposure					30-Year Exposure			
			Inhalation		Ingestion			Inhalation		Ingestion	
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	NCEF	CEF	NCEF	CEF
2-Chlorotoluene	--	--	--	--	0.73	--	--	--	--	--	--
2-Hexanone	--	--	--	--	--	--	--	--	--	--	--
4-Chlorotoluene	--	--	--	--	2.6	--	--	--	--	--	--
4-Isopropyltoluene	--	--	--	--	--	--	--	--	--	--	--
4-Methyl-2-Pentanone	--	--	6.3	--	2.9	--	--	--	--	--	--
Acetaldehyde	--	--	0.019	0.0022	--	--	--	--	--	--	--
Acetone	--	--	64	--	33	--	--	--	--	--	--
Acetonitrile	--	--	0.13	--	--	--	--	--	--	--	--
Acetophenone	--	--	--	--	3.7	--	--	--	--	--	--
Acrolein	--	--	0.000042	--	0.018	--	--	--	--	--	--
Acrylonitrile	--	--	0.0042	0.000072	0.037	0.00012	--	--	--	--	--
Benzene	--	0.005	0.063	0.00062	0.15	0.0012	--	--	--	--	--
Bis(2-Chloroethyl)ether	--	--	--	0.000015	--	0.000061	--	--	--	--	--
Bis(chloromethyl)ether	--	--	--	0.000000078	--	0.00000031	--	--	--	--	--
Bromochloromethane	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	0.000236	--	--	--	0.73	0.0011	--	--	--	0.0003	0.2
Bromoform	0.00273	--	--	--	0.73	0.0085	--	--	--	0.004	0.3
Bromomethane	--	--	0.01	--	0.051	--	--	--	--	--	--
Carbon Disulfide	--	--	1.5	--	3.7	--	--	--	--	--	--
Carbon Tetrachloride	--	0.005	0.39	0.00032	0.026	0.00052	--	--	--	--	--
Chlorobenzene	--	0.1	0.1	--	0.73	--	--	--	--	--	--
Chloroethane	--	--	21	--	--	--	--	--	--	--	--
Chloroform	0.000132	--	0.2	0.00021	0.37	0.0022	--	0.0007	0.6	0.0004	0.06
Chloromethane	--	--	0.19	0.0027	--	0.0052	--	--	--	--	--
Chloroprene	--	--	0.015	--	0.73	--	--	--	--	--	--
cis-1,2-Dichloroethene	--	0.07	--	--	0.37	--	--	--	--	--	--
cis-1,3-Dichloropropene	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	--	--	13	--	--	--	--	--	--	--	--
Dibromochloromethane	0.000652	--	--	--	0.73	0.0008	--	--	--	0.0009	0.8
Dibromomethane	--	--	--	--	0.37	--	--	--	--	--	--
Dichlorodifluoromethane (Freon 12)	--	--	0.42	--	7.3	--	--	--	--	--	--
Ethylbenzene	--	0.7	2.1	0.0019	3.7	0.0061	--	--	--	--	--
Formaldehyde	--	--	--	--	7.3	--	--	--	--	--	--
Hexane	--	--	1.5	--	2.2	--	--	--	--	--	--
Isobutyl Alcohol	--	--	--	--	11	--	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR09

	Tap Water - mg/L										
			USEPA RSL					USEPA RSL			
			30-Year Exposure					30-Year Exposure			
			Inhalation		Ingestion			Inhalation		Ingestion	
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	NCEF	CEF	NCEF	CEF
Isophorone	--	--	--	--	7.3	0.071	--	--	--	--	--
Isopropylbenzene	--	--	0.83	--	3.7	--	--	--	--	--	--
m,p-Xylenes	--	--	0.21	--	7.3	--	--	--	--	--	--
Methyl Acetate	--	--	--	--	37	--	--	--	--	--	--
Methyl tert-Butyl Ether	--	--	6.3	0.019	--	0.037	--	--	--	--	--
Methylcyclohexane	--	--	6.3	--	--	--	--	--	--	--	--
Methylene Chloride	--	0.005	2.2	0.01	2.2	0.009	--	--	--	--	--
n-Butylbenzene	--	--	--	--	--	--	--	--	--	--	--
n-Propylbenzene	--	--	--	--	--	--	--	--	--	--	--
o-Xylene	--	--	1.5	--	73	--	--	--	--	--	--
Pentachloroethane	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	--	--	--	--	--	--	--	--	--	--	--
Styrene	--	0.1	2.1	--	7.3	--	--	--	--	--	--
tert-Butylbenzene	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	--	0.005	0.57	0.00082	0.37	0.00012	--	--	--	--	--
Toluene	--	1	10	--	2.9	--	--	--	--	--	--
trans-1,2-Dichloroethene	--	0.1	0.13	--	0.73	--	--	--	--	--	--
trans-1,3-Dichloropropene	--	--	--	--	--	--	--	--	--	--	--
Trans-1,4-Dichloro-2-Butene	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	--	0.005	--	0.0024	--	0.0052	--	--	--	--	--
Trichlorofluoromethane	--	--	1.5	--	11	--	--	--	--	--	--
Vinyl Acetate	--	--	0.42	--	37	--	--	--	--	--	--
Vinyl Chloride	--	0.002	0.21	0.00032	0.11	0.000017	--	--	--	--	--
Xylenes, Total	--	10	0.21	--	7.3	--	--	--	--	--	--
							TOTAL RISK	0.08	0.6	10.3	113.8
							BACKGROUND RISK	0.08	0	9.7	112.2
							INCREMENTAL RISK	0.0007	0.6	0.6	1.6

-- = The chemical was not analyzed, not detected or no value was available.
CEF = Cancer exceedance factor. CEFs were calculated by dividing detected concentrations by cancer-based USEPA RSLs.
A CEF of 1 corresponds to a cancer risk of 1x10^-6 (one in a million).
NCEF = Noncancer exceedance factor. NCEFs were calculated by dividing detected concentrations by noncancer-based USEPA RSLs.
An NCEF of 1 corresponds to a Hazard Index of 1.
RSL = Regional Screening Level
USEPA = United States Environmental Protection Agency
USEPA MCL EF = USEPA Maximum Contaminant Level Exceedance Factor. USEPA MCL EFs were calculated by dividing detected concentrations by the USEPA MCLs.
USEPA MCL = USEPA Maximum Contaminant Levels (http://www.epa.gov/ogwdw/contaminants/index.html).
Fecal Coliform, Fecal Steptococcus and Total Coliforms (including Fecal Coliform and E. Coli) are reported in CFU/100 mL (CFU = colony forming units).
Heterotrophic Plate Count is reported in CFU/1 mL.
Risk calculations may appear to not add correctly due to rounding.

Total Risk = The risk for all chemicals.
Background Risk = The risk for chemicals (i.e., inorganic elements) that are naturally occurring in the environment but does not include lead, copper and thallium.
Incremental Risk = The risk for chemicals that are not naturally occurring in the environment. The risk management category for this location
(i.e., Acceptable or Unacceptable) is based on this risk. This includes lead, copper and thallium.
The ingestion exceedance factors are presented for informational purposes only. The risk-management decision (i.e., Acceptable or Unacceptable) will be made
based on inhalation because the Navy leadership has stated that all personnel should be using bottled water for drinking, cooking, and brushing teeth.

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR10

	Soil - mg/kg					
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	NonCancer	Cancer	NCEF	CEF
Alkane Hydrocarbon						
Octane	--	--	--	--	--	--
Pentadecane	--	--	--	--	--	--
Tridecane	--	--	--	--	--	--
Undecane	--	--	--	--	--	--
Anion						
Chloride	--	--	--	--	--	--
Cyanide	--	--	1600	--	--	--
Fluoride	--	--	--	--	--	--
Nitrate (measured as NO3-)	--	--	572000	--	--	--
Nitrite (measured as NO2-)	--	--	25740	--	--	--
Phosphate	--	--	--	--	--	--
Sulfate	--	--	--	--	--	--
Dioxins/Furans						
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.00000085772	--	0.000072	0.0000045	0.01	0.2
Disinfectants						
Chlorine (as Cl2)	--	--	--	--	--	--
Disinfection Byproducts						
Total Trihalomethanes	--	--	--	--	--	--
Field Parameters						
Dissolved Oxygen	--	--	--	--	--	--
Oxidation Reduction Potential	--	--	--	--	--	--
pH	--	--	--	--	--	--
Salinity	--	--	--	--	--	--
Specific Conductance	--	--	--	--	--	--
Temperature	--	--	--	--	--	--
Total Dissolved Solids	--	--	--	--	--	--
Total Solids	84	--	--	--	--	--
Turbidity	--	--	--	--	--	--
Inorganics						
Aluminum	34300	86900	77000	--	0.4	--
Antimony	0.52	42.8	31	--	0.02	--
Arsenic	12.5	164	22	0.39	0.6	**32.1**
Barium	251	1813	15000	--	0.02	--
Beryllium	4.57	--	160	1400	0.03	0.003
Cadmium (Diet)	0.22	10.6	70	1800	0.003	0.0001

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR10

	Soil - mg/kg					
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	NonCancer	Cancer	NCEF	CEF
Cadmium (Water)	--	--	--	--	--	--
Chromium	3.33	579	--	--	--	--
Cobalt	4.49	36.6	--	--	--	--
Copper	27.1	3965	3100	--	0.009	--
Iron	18600	154600	55000	--	0.3	--
Lead	32.6	2052	400	--	0.08	--
Manganese (Diet)	606	5923	--	--	--	--
Manganese (Water)	--	--	1800	--	--	--
Mercury	--	2.66	6.7	--	--	--
Nickel	4.04	689	1600	--	0.003	--
Selenium	--	1.9	390	--	--	--
Silver	0.124	8.132	390	--	0.0003	--
Thallium	1.41	69	5.1	--	0.3	--
Tin	2.54	--	47000	--	0.00005	--
Vanadium	36.7	187	550	--	0.07	--
Zinc	61.3	3211	23000	--	0.003	--
Microorganisms						
Fecal Coliform	--	--	--	--	--	--
Fecal Streptococcus	--	--	--	--	--	--
Heterotrophic Plate Count	--	--	--	--	--	--
Total Coliforms (including Fecal Coliform and E. Coli)	--	--	--	--	--	--
Pesticides						
4,4-DDD	--	--	--	2	--	--
4,4-DDE	--	--	--	1.4	--	--
4,4-DDT	--	--	36	1.7	--	--
Aldrin	--	--	1.8	0.029	--	--
alpha-BHC	--	--	--	0.077	--	--
alpha-Chlordane	--	--	--	--	--	--
beta-BHC	--	--	--	0.27	--	--
Chlordane	--	--	35	1.6	--	--
delta-BHC	--	--	--	--	--	--
Dieldrin	--	--	3.1	0.03	--	--
Endosulfan I	--	--	--	--	--	--
Endosulfan II	--	--	--	--	--	--
Endosulfan Sulfate	--	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR10

	Soil - mg/kg					
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	NonCancer	Cancer	NCEF	CEF
Endrin	--	--	18	--	--	--
Endrin Aldehyde	--	--	--	--	--	--
gamma-BHC (Lindane)	--	--	21	0.52	--	--
gamma-Chlordane	--	--	35	1.6	--	--
Heptachlor	--	--	31	0.11	--	--
Heptachlor Epoxide	--	--	0.79	0.053	--	--
Methoxychlor	--	--	310	--	--	--
Toxaphene	--	--	--	0.44	--	--
Polychlorinated bi-phenyls						
Aroclor 1016	--	--	3.9	6.3	--	--
Aroclor 1016/1260	--	--	3.9	0.22	--	--
Aroclor 1221	--	--	--	0.17	--	--
Aroclor 1232	--	--	--	0.17	--	--
Aroclor 1242	--	--	--	0.22	--	--
Aroclor 1248	--	--	--	0.22	--	--
Aroclor 1254	--	--	1.1	0.22	--	--
Aroclor 1260	--	--	--	0.22	--	--
Radionuclides						
Uranium	--	--	230	--	--	--
Semi-Volatile Organic Compounds						
1,1'-Biphenyl	--	--	3900	--	--	--
1,2,4,5-Tetrachlorobenzene	--	--	18	--	--	--
2,3,4,6-Tetrachlorophenol	--	--	1800	--	--	--
2,4,5-Trichlorophenol	--	--	6100	--	--	--
2,4,6-Trichlorophenol	--	--	61	44	--	--
2,4-Dichlorophenol	--	--	180	--	--	--
2,4-Dimethylphenol	--	--	1200	--	--	--
2,4-Dinitrophenol	--	--	120	--	--	--
2,4-Dinitrotoluene	--	--	120	--	--	--
2,6-Dichlorophenol	--	--	--	--	--	--
2,6-Dinitrotoluene	--	--	61	--	--	--
2-Chloronaphthalene	--	--	6300	--	--	--
2-Chlorophenol	--	--	390	--	--	--
2-Methylnaphthalene	--	--	310	--	--	--
2-Methylphenol (o-Cresol)	--	--	3100	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR10

	Soil - mg/kg					
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	NonCancer	Cancer	NCEF	CEF
2-Nitrophenol	--	--	--	--	--	--
3&4-Methylphenol	--	--	310	--	--	--
3-Methylphenol	--	--	3100	--	--	--
3-Nitroaniline	--	--	--	--	--	--
4,6-Dinitro-2-Methylphenol	--	--	--	--	--	--
4-Bromophenylphenylether	--	--	--	--	--	--
4-Chloro-3-Methylphenol	--	--	--	--	--	--
4-Chloroanaline	--	--	240	--	--	--
4-Methylphenol (p-Cresol)	--	--	310	--	--	--
4-Nitroaniline	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--
Acenaphthene	--	--	3400	--	--	--
Acenaphthylene	--	--	--	--	--	--
Aniline	--	--	430	85	--	--
Anthracene	--	--	17000	--	--	--
Atrazine	--	--	2100	2.1	--	--
Benzo(g,h,i)perylene	--	--	--	--	--	--
Bis(2-ethylhexyl)phthalate	--	--	1200	35	--	--
Butylbenzylphthalate	--	--	12000	--	--	--
Carbazole	--	--	--	24	--	--
Di-n-butylphthalate	--	--	6100	--	--	--
Di-n-octylphthalate	--	--	--	--	--	--
Dibenzofuran	--	--	--	--	--	--
Diethylphthalate	--	--	49000	--	--	--
Dimethylphthalate	--	--	--	--	--	--
Diphenylamine	--	--	1500	--	--	--
Fluoranthene	--	--	2300	--	--	--
Fluorene	--	--	2300	--	--	--
Hexachlorobenzene	--	--	49	0.3	--	--
Hexachlorobutadiene	--	--	61	6.2	--	--
Hexachlorocyclopentadiene	--	--	370	--	--	--
Hexachloroethane	--	--	61	35	--	--
Naphthalene	--	--	150	3.9	--	--
Nitrobenzene	--	--	31	--	--	--
o-Toluidine	--	--	--	2.7	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR10

	Soil - mg/kg					
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	NonCancer	Cancer	NCEF	CEF
Pentachlorobenzene	--	--	49	--	--	--
Pentachloronitrobenzene	--	--	180	1.9	--	--
Pentachlorophenol	--	--	1400	3	--	--
Phenanthrene	--	--	--	--	--	--
Phenol	--	--	18000	--	--	--
Pyrene	--	--	1700	--	--	--
Total Carcinogenic PAHS (BaP TEQs)	--	--	--	0.015	--	--
Total Petroleum Hydrocarbon						
Tph (c03-c20)	--	--	--	--	--	--
Tph (c08-c40)	--	--	--	--	--	--
Volatile Organic Compounds						
1,1,1,2-Tetrachloroethane	--	--	2300	2	--	--
1,1,1-Trichloroethane	--	--	9000	--	--	--
1,1,2,2-Tetrachloroethane	--	--	--	0.59	--	--
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	--	43000	--	--	--
1,1,2-Trichloroethane	--	--	310	1.1	--	--
1,1-Dichloroethane	--	--	1100	3.4	--	--
1,1-Dichloroethene	--	--	250	--	--	--
1,2,3-Trichlorobenzene	--	--	--	--	--	--
1,2,3-Trichloropropane	--	--	470	0.091	--	--
1,2,4-Trichlorobenzene	--	--	780	180	--	--
1,2,4-Trimethylbenzene	--	--	67	--	--	--
1,2-Dibromo-3-Chloropropane	--	--	5.1	0.0056	--	--
1,2-Dibromoethane	--	--	79	0.034	--	--
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	--	--	--	--	--	--
1,2-Dichlorobenzene	--	--	2000	--	--	--
1,2-Dichloroethane	--	--	13000	0.45	--	--
1,2-Dichloropropane	--	--	17	0.93	--	--
1,3,5-Trimethylbenzene	--	--	--	--	--	--
1,3-Butadiene	--	--	2	0.077	--	--
1,3-Dichlorobenzene	--	--	--	--	--	--
1,3-Dichloropropane	--	--	1600	--	--	--
1,4-Dichlorobenzene	--	--	10000	2.6	--	--
2,2-Dichloropropane	--	--	--	--	--	--
2-Butanone (methyl ethyl ketone)	--	--	28000	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR10

	Soil - mg/kg					
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	NonCancer	Cancer	NCEF	CEF
2-Chlorotoluene	--	--	1600	--	--	--
2-Hexanone	--	--	--	--	--	--
4-Chlorotoluene	--	--	5500	--	--	--
4-Isopropyltoluene	--	--	--	--	--	--
4-Methyl-2-Pentanone	--	--	5300	--	--	--
Acetaldehyde	--	--	89	11	--	--
Acetone	--	--	61000	--	--	--
Acetonitrile	--	--	870	--	--	--
Acetophenone	--	--	7800	--	--	--
Acrolein	--	--	0.16	--	--	--
Acrylonitrile	--	--	14	0.24	--	--
Benzene	--	--	90	1.1	--	--
Bis(2-Chloroethyl)ether	--	--	--	0.19	--	--
Bis(chloromethyl)ether	--	--	--	0.00027	--	--
Bromochloromethane	--	--	--	--	--	--
Bromodichloromethane	--	--	1600	10	--	--
Bromoform	--	--	1200	61	--	--
Bromomethane	--	--	7.9	--	--	--
Carbon Disulfide	--	--	670	--	--	--
Carbon Tetrachloride	--	--	47	0.25	--	--
Chlorobenzene	--	--	310	--	--	--
Chloroethane	--	--	15000	--	--	--
Chloroform	--	--	220	0.3	--	--
Chloromethane	--	--	120	1.7	--	--
Chloroprene	--	--	8.6	--	--	--
cis-1,2-Dichloroethene	--	--	780	--	--	--
cis-1,3-Dichloropropene	--	--	--	--	--	--
Cyclohexane	--	--	7200	--	--	--
Dibromochloromethane	--	--	1200	5.8	--	--
Dibromomethane	--	--	780	--	--	--
Dichlorodifluoromethane (Freon 12)	--	--	190	--	--	--
Ethylbenzene	--	--	3600	5.7	--	--
Formaldehyde	--	--	12000	250000	--	--
Hexane	--	--	570	--	--	--
Isobutyl Alcohol	--	--	23000	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR10

	Soil - mg/kg					
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	NonCancer	Cancer	NCEF	CEF
Isophorone	--	--	12000	510	--	--
Isopropylbenzene	--	--	2200	--	--	--
m,p-Xylenes	--	--	600	--	--	--
Methyl Acetate	--	--	78000	--	--	--
Methyl tert-Butyl Ether	--	--	15000	39	--	--
Methylcyclohexane	--	--	3400	--	--	--
Methylene Chloride	--	--	1700	11	--	--
n-Butylbenzene	--	--	--	--	--	--
n-Propylbenzene	--	--	--	--	--	--
o-Xylene	--	--	5300	--	--	--
Pentachloroethane	--	--	--	--	--	--
sec-Butylbenzene	--	--	--	--	--	--
Styrene	--	--	6500	--	--	--
tert-Butylbenzene	--	--	--	--	--	--
Tetrachloroethene	--	--	380	0.57	--	--
Toluene	--	--	5000	--	--	--
trans-1,2-Dichloroethene	--	--	110	--	--	--
trans-1,3-Dichloropropene	--	--	--	--	--	--
Trans-1,4-Dichloro-2-Butene	--	--	--	--	--	--
Trichloroethene	--	--	--	2.8	--	--
Trichlorofluoromethane	--	--	800	--	--	--
Vinyl Acetate	--	--	990	--	--	--
Vinyl Chloride	--	--	74	0.06	--	--
Xylenes, Total	--	--	600	--	--	--
				TOTAL RISK	1.9	32.2
				BACKGROUND RISK	1.8	32.1
				INCREMENTAL RISK	0.04	0.2

-- = The chemical was not analyzed, not detected or no value was available.

CEF = Cancer exceedance factor. CEFs were calculated by dividing detected concentrations by cancer-based USEPA RSLs. A CEF of 1 corresponds to a cancer risk of 1x10^-6 (one in a million).

Naples, Italy Background (Maximum) = Cicchella, Domencio, et al. *Background and baseline concentration values of elements harmful to human health in the volcanic soils of the metorpolitan and provincial areas of Napoli (Italy).* Geochemistry: Exploration, Environment, Analysis Vol. 5 2005, pp.29-40.

NCEF = Noncancer exceedance factor. NCEFs were calculated by dividing detected concentrations by noncancer- based USEPA RSLs. An NCEF of 1 corresponds to a Hazard Index of 1.

RSL = Regional Screening Level

USEPA = United States Environmental Protection Agency

Fecal Coliform, Fecal Steptococcus and Total Coliforms (including Fecal Coliform and E. Coli) are reported in CFU/100 mL.

Heterotrophic Plate Count is reported in CFU/1 mL.

Risk calculations may appear to not add correctly due to rounding.

Total Risk = The risk for all chemicals.

Background Risk = The risk for chemicals (i.e., inorganic elements) that are present at concentrations less than or equal to the Naples, Italy Background (Maximum) concentrations.

Incremental Risk = The risk for chemicals that are not naturally occurring in the environment. The risk management category for this location (i.e., Acceptable or Unacceptable) is based on this risk.

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR10

	Soil Gas - mg/m3				
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	NonCancer	Cancer	NCEF	CEF
Alkane Hydrocarbon					
Octane	--	--	--	--	--
Pentadecane	--	--	--	--	--
Tridecane	--	--	--	--	--
Undecane	0.010806023	--	--	--	--
Anion					
Chloride	--	--	--	--	--
Cyanide	--	--	--	--	--
Fluoride	--	--	--	--	--
Nitrate (measured as NO3-)	--	--	--	--	--
Nitrite (measured as NO2-)	--	--	--	--	--
Phosphate	--	--	--	--	--
Sulfate	--	--	--	--	--
Dioxins/Furans					
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	--	--	0.00000000064	--	--
Disinfectants					
Chlorine (as Cl2)	--	--	--	--	--
Disinfection Byproducts					
Total Trihalomethanes	--	--	--	--	--
Field Parameters					
Dissolved Oxygen	--	--	--	--	--
Oxidation Reduction Potential	--	--	--	--	--
pH	--	--	--	--	--
Salinity	--	--	--	--	--
Specific Conductance	--	--	--	--	--
Temperature	--	--	--	--	--
Total Dissolved Solids	--	--	--	--	--
Total Solids	--	--	--	--	--
Turbidity	--	--	--	--	--
Inorganics					
Aluminum	--	0.052	--	--	--
Antimony	--	--	--	--	--
Arsenic	--	0.00031	0.0000057	--	--
Barium	--	0.0052	--	--	--
Beryllium	--	0.00021	0.00001	--	--
Cadmium (Diet)	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR10

	Soil Gas - mg/m3				
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	NonCancer	Cancer	NCEF	CEF
Cadmium (Water)	--	--	0.000014	--	--
Chromium	--	--	--	--	--
Cobalt	--	--	--	--	--
Copper	--	--	--	--	--
Iron	--	--	--	--	--
Lead	--	0.017	--	--	--
Manganese (Diet)	--	--	--	--	--
Manganese (Water)	--	0.00052	--	--	--
Mercury	--	0.0031	--	--	--
Nickel	--	--	--	--	--
Selenium	--	--	--	--	--
Silver	--	--	--	--	--
Thallium	--	--	--	--	--
Tin	--	--	--	--	--
Vanadium	--	--	--	--	--
Zinc	--	--	--	--	--
Microorganisms					
Fecal Coliform	--	--	--	--	--
Fecal Streptococcus	--	--	--	--	--
Heterotrophic Plate Count	--	--	--	--	--
Total Coliforms (including Fecal Coliform and E. Coli)	--	--	--	--	--
Pesticides					
4,4-DDD	--	--	--	--	--
4,4-DDE	--	--	--	--	--
4,4-DDT	--	--	0.00025	--	--
Aldrin	--	--	0.000005	--	--
alpha-BHC	--	--	0.000014	--	--
alpha-Chlordane	--	--	--	--	--
beta-BHC	--	--	0.000046	--	--
Chlordane	--	0.0073	0.00024	--	--
delta-BHC	--	--	--	--	--
Dieldrin	--	--	0.0000053	--	--
Endosulfan I	--	--	--	--	--
Endosulfan II	--	--	--	--	--
Endosulfan Sulfate	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR10

	Soil Gas - mg/m3				
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	NonCancer	Cancer	NCEF	CEF
Endrin	--	--	--	--	--
Endrin Aldehyde	--	--	--	--	--
gamma-BHC (Lindane)	--	--	0.000078	--	--
gamma-Chlordane	--	0.0073	0.00024	--	--
Heptachlor	--	--	0.000019	--	--
Heptachlor Epoxide	--	--	0.0000094	--	--
Methoxychlor	--	--	--	--	--
Toxaphene	--	--	0.000076	--	--
Polychlorinated bi-phenyls					
Aroclor 1016	--	--	0.0012	--	--
Aroclor 1016/1260	--	--	0.000043	--	--
Aroclor 1221	--	--	0.000043	--	--
Aroclor 1232	--	--	0.000043	--	--
Aroclor 1242	--	--	0.000043	--	--
Aroclor 1248	--	--	0.000043	--	--
Aroclor 1254	--	--	0.000043	--	--
Aroclor 1260	--	--	0.000043	--	--
Radionuclides					
Uranium	--	--	--	--	--
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	--	--	--	--	--
2,4,5-Trichlorophenol	--	--	--	--	--
2,4,6-Trichlorophenol	--	--	0.0078	--	--
2,4-Dichlorophenol	--	--	--	--	--
2,4-Dimethylphenol	--	--	--	--	--
2,4-Dinitrophenol	--	--	--	--	--
2,4-Dinitrotoluene	--	--	--	--	--
2,6-Dichlorophenol	--	--	--	--	--
2,6-Dinitrotoluene	--	--	--	--	--
2-Chloronaphthalene	--	--	--	--	--
2-Chlorophenol	--	--	--	--	--
2-Methylnaphthalene	--	--	--	--	--
2-Methylphenol (o-Cresol)	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR10

	Soil Gas - mg/m3				
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	NonCancer	Cancer	NCEF	CEF
2-Nitrophenol	--	--	--	--	--
3&4-Methylphenol	--	--	--	--	--
3-Methylphenol	--	--	--	--	--
3-Nitroaniline	--	--	--	--	--
4,6-Dinitro-2-Methylphenol	--	--	--	--	--
4-Bromophenylphenylether	--	--	--	--	--
4-Chloro-3-Methylphenol	--	--	--	--	--
4-Chloroanaline	--	--	--	--	--
4-Methylphenol (p-Cresol)	--	--	--	--	--
4-Nitroaniline	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--
Acenaphthene	--	--	--	--	--
Acenaphthylene	--	--	--	--	--
Aniline	--	0.01	--	--	--
Anthracene	--	--	--	--	--
Atrazine	--	--	--	--	--
Benzo(g,h,i)perylene	--	--	--	--	--
Bis(2-ethylhexyl)phthalate	--	--	--	--	--
Butylbenzylphthalate	--	--	--	--	--
Carbazole	--	--	--	--	--
Di-n-butylphthalate	--	--	--	--	--
Di-n-octylphthalate	--	--	--	--	--
Dibenzofuran	--	--	--	--	--
Diethylphthalate	--	--	--	--	--
Dimethylphthalate	--	--	--	--	--
Diphenylamine	--	--	--	--	--
Fluoranthene	--	--	--	--	--
Fluorene	--	--	--	--	--
Hexachlorobenzene	--	--	0.000053	--	--
Hexachlorobutadiene	--	--	0.0011	--	--
Hexachlorocyclopentadiene	--	0.0021	--	--	--
Hexachloroethane	--	--	0.0061	--	--
Naphthalene	--	0.031	0.00072	--	--
Nitrobenzene	--	0.021	--	--	--
o-Toluidine	--	--	0.00048	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR10

	Soil Gas - mg/m3				
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	NonCancer	Cancer	NCEF	CEF
Pentachlorobenzene	--	--	--	--	--
Pentachloronitrobenzene	--	--	--	--	--
Pentachlorophenol	--	--	--	--	--
Phenanthrene	--	--	--	--	--
Phenol	--	2.1	--	--	--
Pyrene	--	--	--	--	--
Total Carcinogenic PAHS (BaP TEQs)	--	--	0.0000087	--	--
Total Petroleum Hydrocarbon					
Tph (c03-c20)	2.743808113	--	--	--	--
Tph (c08-c40)	--	--	--	--	--
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	--	--	0.0033	--	--
1,1,1-Trichloroethane	--	52	--	--	--
1,1,2,2-Tetrachloroethane	--	--	0.00042	--	--
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	310	--	--	--
1,1,2-Trichloroethane	--	--	0.0015	--	--
1,1-Dichloroethane	--	5.2	0.015	--	--
1,1-Dichloroethene	--	2.1	--	--	--
1,2,3-Trichlorobenzene	--	--	--	--	--
1,2,3-Trichloropropane	--	--	--	--	--
1,2,4-Trichlorobenzene	--	--	--	--	--
1,2,4-Trimethylbenzene	--	0.073	--	--	--
1,2-Dibromo-3-Chloropropane	--	0.0021	0.0000016	--	--
1,2-Dibromoethane	--	0.094	0.000041	--	--
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	--	--	--	--	--
1,2-Dichlorobenzene	--	2.1	--	--	--
1,2-Dichloroethane	--	25	0.00094	--	--
1,2-Dichloropropane	--	0.042	0.0024	--	--
1,3,5-Trimethylbenzene	--	--	--	--	--
1,3-Butadiene	--	0.021	0.00081	--	--
1,3-Dichlorobenzene	--	--	--	--	--
1,3-Dichloropropane	--	--	--	--	--
1,4-Dichlorobenzene	--	8.299999999999999	0.0022	--	--
2,2-Dichloropropane	--	--	--	--	--
2-Butanone (methyl ethyl ketone)	--	52	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR10

	Soil Gas - mg/m3				
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	NonCancer	Cancer	NCEF	CEF
2-Chlorotoluene	--	--	--	--	--
2-Hexanone	--	--	--	--	--
4-Chlorotoluene	--	--	--	--	--
4-Isopropyltoluene	--	--	--	--	--
4-Methyl-2-Pentanone	--	31	--	--	--
Acetaldehyde	--	0.094	0.011	--	--
Acetone	--	320	--	--	--
Acetonitrile	--	0.63	--	--	--
Acetophenone	--	--	--	--	--
Acrolein	--	0.00021	--	--	--
Acrylonitrile	--	0.021	0.00036	--	--
Benzene	--	0.31	0.0031	--	--
Bis(2-Chloroethyl)ether	--	--	0.000074	--	--
Bis(chloromethyl)ether	--	--	0.00000039	--	--
Bromochloromethane	--	--	--	--	--
Bromodichloromethane	--	--	--	--	--
Bromoform	--	--	0.022	--	--
Bromomethane	--	0.052	--	--	--
Carbon Disulfide	--	7.3	--	--	--
Carbon Tetrachloride	--	2	0.0016	--	--
Chlorobenzene	--	0.52	--	--	--
Chloroethane	--	100	--	--	--
Chloroform	--	1	0.0011	--	--
Chloromethane	--	0.94	0.014	--	--
Chloroprene	--	0.073	--	--	--
cis-1,2-Dichloroethene	--	--	--	--	--
cis-1,3-Dichloropropene	--	--	--	--	--
Cyclohexane	--	63	--	--	--
Dibromochloromethane	--	--	--	--	--
Dibromomethane	--	--	--	--	--
Dichlorodifluoromethane (Freon 12)	--	2.1	--	--	--
Ethylbenzene	--	10	0.0097	--	--
Formaldehyde	--	0.1	0.0019	--	--
Hexane	--	7.3	--	--	--
Isobutyl Alcohol	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR10

	Soil Gas - mg/m3				
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	NonCancer	Cancer	NCEF	CEF
Isophorone	--	21	--	--	--
Isopropylbenzene	--	4.2	--	--	--
m,p-Xylenes	--	1	--	--	--
Methyl Acetate	--	--	--	--	--
Methyl tert-Butyl Ether	--	31	0.094	--	--
Methylcyclohexane	--	31	--	--	--
Methylene Chloride	--	11	0.052	--	--
n-Butylbenzene	--	--	--	--	--
n-Propylbenzene	--	--	--	--	--
o-Xylene	--	7.3	--	--	--
Pentachloroethane	--	--	--	--	--
sec-Butylbenzene	--	--	--	--	--
Styrene	--	10	--	--	--
tert-Butylbenzene	--	--	--	--	--
Tetrachloroethene	--	2.8	0.0041	--	--
Toluene	--	52	--	--	--
trans-1,2-Dichloroethene	--	0.63	--	--	--
trans-1,3-Dichloropropene	--	--	--	--	--
Trans-1,4-Dichloro-2-Butene	--	--	--	--	--
Trichloroethene	--	--	0.012	--	--
Trichlorofluoromethane	--	7.3	--	--	--
Vinyl Acetate	--	2.1	--	--	--
Vinyl Chloride	--	1	0.0016	--	--
Xylenes, Total	--	1	--	--	--
			TOTAL RISK	0	0
			BACKGROUND RISK	0	0
			INCREMENTAL RISK	0	0

-- = The chemical was not analyzed, not detected or no value was available.
CEF = Cancer exceedance factor. CEFs were calculated by dividing detected concentrations by cancer-based USEPA RSLs.
A CEF of 1 corresponds to a cancer risk of 1x10^-6 (one in a million).
NCEF = Noncancer exceedance factor. NCEFs were calculated by dividing detected concentrations by noncancer- based USEPA RSLs.
An NCEF of 1 corresponds to a Hazard Index of 1.
RSL = Regional Screening Level
USEPA = United States Environmental Protection Agency
Fecal Coliform, Fecal Steptococcus and Total Coliforms (including Fecal Coliform and E. Coli) are reported in CFU/100 mL.
Heterotrophic Plate Count is reported in CFU/1 mL.
Risk calculations may appear to not add correctly due to rounding.

Total Risk = The risk for all chemicals.
Background Risk = None of the volatile organic chemicals tested for in the soil gas samples are naturally occurring. Therefore, the background risk is zero.
Incremental Risk = The Total Risk. The risk management category for this location (i.e., Acceptable or Unacceptable) is based on this risk.

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR10

	Tap Water - mg/L										
			USEPA RSL					USEPA RSL			
			30-Year Exposure					30-Year Exposure			
			Inhalation		Ingestion			Inhalation		Ingestion	
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	NCEF	CEF	NCEF	CEF
Alkane Hydrocarbon											
Octane	--	--	--	--	--	--	--	--	--	--	--
Pentadecane	--	--	--	--	--	--	--	--	--	--	--
Tridecane	--	--	--	--	--	--	--	--	--	--	--
Undecane	--	--	--	--	--	--	--	--	--	--	--
Anion											
Chloride	9.06	--	--	--	--	--	--	--	--	--	--
Cyanide	--	0.2	--	--	0.73	--	--	--	--	--	--
Fluoride	--	4	--	--	--	--	--	--	--	--	--
Nitrate (measured as NO3-)	2.93	44.3	--	--	255.2	--	0.07	--	--	0.01	--
Nitrite (measured as NO2-)	--	3.29	--	--	12.21	--	--	--	--	--	--
Phosphate	--	--	--	--	--	--	--	--	--	--	--
Sulfate	6.65	--	--	--	--	--	--	--	--	--	--
Dioxins/Furans											
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	--	0.00000003	--	--	0.000000037	0.0000000005	--	--	--	--	--
Disinfectants											
Chlorine (as Cl2)	0.06	4.01	--	--	--	--	0.01	--	--	--	--
Disinfection Byproducts											
Total Trihalomethanes	0.002039	0.0807	--	--	--	--	0.03	--	--	--	--
Field Parameters											
Dissolved Oxygen	8.859999999999	--	--	--	--	--	--	--	--	--	--
Oxidation Reduction Potential	552	--	--	--	--	--	--	--	--	--	--
pH	7.29	--	--	--	--	--	--	--	--	--	--
Salinity	--	--	--	--	--	--	--	--	--	--	--
Specific Conductance	0.67	--	--	--	--	--	--	--	--	--	--
Temperature	25.5	--	--	--	--	--	--	--	--	--	--
Total Dissolved Solids	--	--	--	--	--	--	--	--	--	--	--
Total Solids	--	--	--	--	--	--	--	--	--	--	--
Turbidity	--	--	--	--	--	--	--	--	--	--	--
Inorganics											
Aluminum	--	--	--	--	37	--	--	--	--	--	--
Antimony	0.000192	0.006	--	--	0.015	--	0.03	--	--	0.01	--
Arsenic	0.00236	0.01	--	--	0.011	0.000045	0.2	--	--	0.2	52.4
Barium	0.0121	2	--	--	7.3	--	0.006	--	--	0.002	--
Beryllium	--	0.004	--	--	0.073	--	--	--	--	--	--
Cadmium (Diet)	--	--	--	--	--	--	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR10

	Tap Water - mg/L										
			USEPA RSL					USEPA RSL			
			30-Year Exposure					30-Year Exposure			
			Inhalation		Ingestion			Inhalation		Ingestion	
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	NCEF	CEF	NCEF	CEF
Cadmium (Water)	0.0000404	0.005	--	--	0.018	--	0.008	--	--	0.002	--
Chromium	0.000464	0.1	--	--	--	--	0.005	--	--	--	--
Cobalt	0.0000922	--	--	--	--	--	--	--	--	--	--
Copper	0.258	--	--	--	1.5	--	--	--	--	0.2	--
Iron	0.078	--	--	--	26	--	--	--	--	0.003	--
Lead	0.00443	--	--	--	0.02	--	--	--	--	0.2	--
Manganese (Diet)	--	--	--	--	--	--	--	--	--	--	--
Manganese (Water)	0.0127	--	--	--	0.88	--	--	--	--	0.01	--
Mercury	--	0.002	0.00063	--	--	--	--	--	--	--	--
Nickel	0.143	--	--	--	0.73	--	--	--	--	0.2	--
Selenium	--	0.05	--	--	0.18	--	--	--	--	--	--
Silver	--	--	--	--	0.18	--	--	--	--	--	--
Thallium	--	0.002	--	--	0.0024	--	--	--	--	--	--
Tin	--	--	--	--	22	--	--	--	--	--	--
Vanadium	--	--	--	--	0.26	--	--	--	--	--	--
Zinc	0.496	--	--	--	11	--	--	--	--	0.05	--
Microorganisms											
Fecal Coliform	--	0	--	--	--	--	--	--	--	--	--
Fecal Streptococcus	0	--	--	--	--	--	--	--	--	--	--
Heterotrophic Plate Count	180	--	--	--	--	--	--	--	--	--	--
Total Coliforms (including Fecal Coliform and E. Coli)	--	0	--	--	--	--	--	--	--	--	--
Pesticides											
4,4-DDD	--	--	--	--	--	0.00028	--	--	--	--	--
4,4-DDE	--	--	--	--	--	0.0002	--	--	--	--	--
4,4-DDT	--	--	--	--	0.018	0.0002	--	--	--	--	--
Aldrin	--	--	--	--	0.0011	0.000004	--	--	--	--	--
alpha-BHC	--	--	--	--	--	0.000011	--	--	--	--	--
alpha-Chlordane	--	0.002	--	--	--	--	--	--	--	--	--
beta-BHC	--	--	--	--	--	0.000037	--	--	--	--	--
Chlordane	--	0.002	--	--	0.018	0.00019	--	--	--	--	--
delta-BHC	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	--	--	--	--	0.0018	0.0000042	--	--	--	--	--
Endosulfan I	--	--	--	--	--	--	--	--	--	--	--
Endosulfan II	--	--	--	--	--	--	--	--	--	--	--
Endosulfan Sulfate	--	--	--	--	--	--	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR10

	Tap Water - mg/L										
			USEPA RSL					USEPA RSL			
			30-Year Exposure					30-Year Exposure			
			Inhalation		Ingestion			Inhalation		Ingestion	
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	NCEF	CEF	NCEF	CEF
Endrin	--	0.002	--	--	0.011	--	--	--	--	--	--
Endrin Aldehyde	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC (Lindane)	--	0.0002	--	--	0.011	0.000061	--	--	--	--	--
gamma-Chlordane	--	0.002	--	--	0.018	0.00019	--	--	--	--	--
Heptachlor	--	0.0004	--	--	0.018	0.000015	--	--	--	--	--
Heptachlor Epoxide	--	0.0002	--	--	0.00047	0.0000074	--	--	--	--	--
Methoxychlor	--	0.04	--	--	0.18	--	--	--	--	--	--
Toxaphene	--	0.003	--	--	--	0.000061	--	--	--	--	--
Polychlorinated bi-phenyls											
Aroclor 1016	--	--	--	--	0.0026	0.00096	--	--	--	--	--
Aroclor 1016/1260	--	--	--	--	0.0026	0.000034	--	--	--	--	--
Aroclor 1221	--	--	--	0.0000085	--	0.000034	--	--	--	--	--
Aroclor 1232	--	--	--	0.0000085	--	0.000034	--	--	--	--	--
Aroclor 1242	--	--	--	--	--	0.000034	--	--	--	--	--
Aroclor 1248	--	--	--	--	--	0.000034	--	--	--	--	--
Aroclor 1254	--	--	--	--	0.00073	0.000034	--	--	--	--	--
Aroclor 1260	--	--	--	--	--	0.000034	--	--	--	--	--
Radionuclides											
Uranium	0.000666	0.03	--	--	0.11	--	0.02	--	--	0.006	--
Semi-Volatile Organic Compounds											
1,1'-Biphenyl	--	--	--	--	1.8	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	--	--	--	--	0.011	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	--	--	--	--	1.1	--	--	--	--	--	--
2,4,5-Trichlorophenol	--	--	--	--	3.7	--	--	--	--	--	--
2,4,6-Trichlorophenol	--	--	--	--	0.037	0.0061	--	--	--	--	--
2,4-Dichlorophenol	--	--	--	--	0.11	--	--	--	--	--	--
2,4-Dimethylphenol	--	--	--	--	0.73	--	--	--	--	--	--
2,4-Dinitrophenol	--	--	--	--	0.073	--	--	--	--	--	--
2,4-Dinitrotoluene	--	--	--	--	0.073	--	--	--	--	--	--
2,6-Dichlorophenol	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	--	--	--	--	0.037	--	--	--	--	--	--
2-Chloronaphthalene	--	--	--	--	2.9	--	--	--	--	--	--
2-Chlorophenol	--	--	--	--	0.18	--	--	--	--	--	--
2-Methylnaphthalene	--	--	--	--	0.15	--	--	--	--	--	--
2-Methylphenol (o-Cresol)	--	--	--	--	1.8	--	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR10

	Tap Water - mg/L										
			USEPA RSL					USEPA RSL			
			30-Year Exposure					30-Year Exposure			
			Inhalation		Ingestion			Inhalation		Ingestion	
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	NCEF	CEF	NCEF	CEF
2-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--
3&4-Methylphenol	--	--	--	--	0.18	--	--	--	--	--	--
3-Methylphenol	--	--	--	--	1.8	--	--	--	--	--	--
3-Nitroaniline	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-Methylphenol	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenylphenylether	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-Methylphenol	--	--	--	--	--	--	--	--	--	--	--
4-Chloroanaline	--	--	--	--	0.15	--	--	--	--	--	--
4-Methylphenol (p-Cresol)	--	--	--	--	0.18	--	--	--	--	--	--
4-Nitroaniline	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	--	--	--	--	2.2	--	--	--	--	--	--
Acenaphthylene	--	--	--	--	--	--	--	--	--	--	--
Aniline	--	--	--	--	0.26	0.012	--	--	--	--	--
Anthracene	--	--	--	--	11	--	--	--	--	--	--
Atrazine	--	0.003	--	--	1.3	0.00029	--	--	--	--	--
Benzo(g,h,i)perylene	--	--	--	--	--	--	--	--	--	--	--
Bis(2-ethylhexyl)phthalate	--	0.006	--	--	0.73	0.0048	--	--	--	--	--
Butylbenzylphthalate	--	--	--	--	7.3	--	--	--	--	--	--
Carbazole	--	--	--	--	--	0.0034	--	--	--	--	--
Di-n-butylphthalate	--	--	--	--	3.7	--	--	--	--	--	--
Di-n-octylphthalate	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	--	--	--	--	--	--	--	--	--	--	--
Diethylphthalate	--	--	--	--	29	--	--	--	--	--	--
Dimethylphthalate	--	--	--	--	--	--	--	--	--	--	--
Diphenylamine	--	--	--	--	0.91	--	--	--	--	--	--
Fluoranthene	--	--	--	--	1.5	--	--	--	--	--	--
Fluorene	--	--	--	--	1.5	--	--	--	--	--	--
Hexachlorobenzene	--	0.001	--	--	0.029	0.000042	--	--	--	--	--
Hexachlorobutadiene	--	--	--	--	0.037	0.00086	--	--	--	--	--
Hexachlorocyclopentadiene	--	0.05	--	--	0.22	--	--	--	--	--	--
Hexachloroethane	--	--	--	--	0.037	0.0048	--	--	--	--	--
Naphthalene	--	--	0.0063	0.00014	0.73	--	--	--	--	--	--
Nitrobenzene	--	--	0.0042	--	0.018	--	--	--	--	--	--
o-Toluidine	--	--	--	--	--	0.00037	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR10

	Tap Water - mg/L										
			USEPA RSL					USEPA RSL			
			30-Year Exposure					30-Year Exposure			
			Inhalation		Ingestion			Inhalation		Ingestion	
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	NCEF	CEF	NCEF	CEF
Pentachlorobenzene	--	--	--	--	0.029	--	--	--	--	--	--
Pentachloronitrobenzene	--	--	--	--	0.11	0.00026	--	--	--	--	--
Pentachlorophenol	--	0.001	--	--	1.1	0.00056	--	--	--	--	--
Phenanthrene	--	--	--	--	--	--	--	--	--	--	--
Phenol	--	--	--	--	11	--	--	--	--	--	--
Pyrene	--	--	--	--	1.1	--	--	--	--	--	--
Total Carcinogenic PAHS (BaP TEQs)	--	0.0002	--	--	--	0.0000029	--	--	--	--	--
Total Petroleum Hydrocarbon											
Tph (c03-c20)	--	--	--	--	--	--	--	--	--	--	--
Tph (c08-c40)	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds											
1,1,1,2-Tetrachloroethane	--	--	--	0.00066	1.1	0.0026	--	--	--	--	--
1,1,1-Trichloroethane	--	0.2	10	--	73	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	--	--	--	0.000084	--	0.00034	--	--	--	--	--
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	--	63	--	1100	--	--	--	--	--	--
1,1,2-Trichloroethane	--	0.005	--	0.0003	0.15	0.0012	--	--	--	--	--
1,1-Dichloroethane	--	--	1	0.003	7.3	0.012	--	--	--	--	--
1,1-Dichloroethene	--	0.007	0.42	--	1.8	--	--	--	--	--	--
1,2,3-Trichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	--	--	--	--	0.22	0.0000096	--	--	--	--	--
1,2,4-Trichlorobenzene	--	0.07	--	--	0.37	0.019	--	--	--	--	--
1,2,4-Trimethylbenzene	--	--	0.015	--	--	--	--	--	--	--	--
1,2-Dibromo-3-Chloropropane	--	0.0002	0.00042	0.00000032	0.0073	0.000027	--	--	--	--	--
1,2-Dibromoethane	--	0.00005	0.019	0.0000081	0.33	0.000034	--	--	--	--	--
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	--	0.6	0.42	--	3.3	--	--	--	--	--	--
1,2-Dichloroethane	--	0.005	5.1	0.00019	--	0.00074	--	--	--	--	--
1,2-Dichloropropane	--	0.005	0.0083	0.00049	--	0.0019	--	--	--	--	--
1,3,5-Trimethylbenzene	--	--	--	--	--	--	--	--	--	--	--
1,3-Butadiene	--	--	0.0042	0.00016	--	--	--	--	--	--	--
1,3-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	--	--	--	--	0.73	--	--	--	--	--	--
1,4-Dichlorobenzene	--	0.075	1.7	0.00044	--	0.012	--	--	--	--	--
2,2-Dichloropropane	--	--	--	--	--	--	--	--	--	--	--
2-Butanone (methyl ethyl ketone)	--	--	10	--	22	--	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR10

	Tap Water - mg/L										
			USEPA RSL					USEPA RSL			
			30-Year Exposure					30-Year Exposure			
			Inhalation		Ingestion			Inhalation		Ingestion	
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	NCEF	CEF	NCEF	CEF
2-Chlorotoluene	--	--	--	--	0.73	--	--	--	--	--	--
2-Hexanone	--	--	--	--	--	--	--	--	--	--	--
4-Chlorotoluene	--	--	--	--	2.6	--	--	--	--	--	--
4-Isopropyltoluene	--	--	--	--	--	--	--	--	--	--	--
4-Methyl-2-Pentanone	--	--	6.3	--	2.9	--	--	--	--	--	--
Acetaldehyde	--	--	0.019	0.0022	--	--	--	--	--	--	--
Acetone	--	--	64	--	33	--	--	--	--	--	--
Acetonitrile	--	--	0.13	--	--	--	--	--	--	--	--
Acetophenone	--	--	--	--	3.7	--	--	--	--	--	--
Acrolein	--	--	0.000042	--	0.018	--	--	--	--	--	--
Acrylonitrile	--	--	0.0042	0.000072	0.037	0.00012	--	--	--	--	--
Benzene	--	0.005	0.063	0.00062	0.15	0.0012	--	--	--	--	--
Bis(2-Chloroethyl)ether	--	--	--	0.000015	--	0.000061	--	--	--	--	--
Bis(chloromethyl)ether	--	--	--	0.000000078	--	0.00000031	--	--	--	--	--
Bromochloromethane	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	0.000299	--	--	--	0.73	0.0011	--	--	--	0.0004	0.3
Bromoform	0.00112	--	--	--	0.73	0.0085	--	--	--	0.002	0.1
Bromomethane	--	--	0.01	--	0.051	--	--	--	--	--	--
Carbon Disulfide	--	--	1.5	--	3.7	--	--	--	--	--	--
Carbon Tetrachloride	--	0.005	0.39	0.00032	0.026	0.00052	--	--	--	--	--
Chlorobenzene	--	0.1	0.1	--	0.73	--	--	--	--	--	--
Chloroethane	--	--	21	--	--	--	--	--	--	--	--
Chloroform	0.000126	--	0.2	0.00021	0.37	0.0022	--	0.0006	0.6	0.0003	0.06
Chloromethane	--	--	0.19	0.0027	--	0.0052	--	--	--	--	--
Chloroprene	--	--	0.015	--	0.73	--	--	--	--	--	--
cis-1,2-Dichloroethene	--	0.07	--	--	0.37	--	--	--	--	--	--
cis-1,3-Dichloropropene	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	--	--	13	--	--	--	--	--	--	--	--
Dibromochloromethane	0.000494	--	--	--	0.73	0.0008	--	--	--	0.0007	0.6
Dibromomethane	--	--	--	--	0.37	--	--	--	--	--	--
Dichlorodifluoromethane (Freon 12)	--	--	0.42	--	7.3	--	--	--	--	--	--
Ethylbenzene	--	0.7	2.1	0.0019	3.7	0.0061	--	--	--	--	--
Formaldehyde	--	--	--	--	7.3	--	--	--	--	--	--
Hexane	--	--	1.5	--	2.2	--	--	--	--	--	--
Isobutyl Alcohol	--	--	--	--	11	--	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR10

	Tap Water - mg/L										
			USEPA RSL					USEPA RSL			
			30-Year Exposure					30-Year Exposure			
			Inhalation		Ingestion			Inhalation		Ingestion	
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	NCEF	CEF	NCEF	CEF
Isophorone	--	--	--	--	7.3	0.071	--	--	--	--	--
Isopropylbenzene	--	--	0.83	--	3.7	--	--	--	--	--	--
m,p-Xylenes	--	--	0.21	--	7.3	--	--	--	--	--	--
Methyl Acetate	--	--	--	--	37	--	--	--	--	--	--
Methyl tert-Butyl Ether	--	--	6.3	0.019	--	0.037	--	--	--	--	--
Methylcyclohexane	--	--	6.3	--	--	--	--	--	--	--	--
Methylene Chloride	--	0.005	2.2	0.01	2.2	0.009	--	--	--	--	--
n-Butylbenzene	--	--	--	--	--	--	--	--	--	--	--
n-Propylbenzene	--	--	--	--	--	--	--	--	--	--	--
o-Xylene	--	--	1.5	--	73	--	--	--	--	--	--
Pentachloroethane	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	--	--	--	--	--	--	--	--	--	--	--
Styrene	--	0.1	2.1	--	7.3	--	--	--	--	--	--
tert-Butylbenzene	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	--	0.005	0.57	0.00082	0.37	0.00012	--	--	--	--	--
Toluene	--	1	10	--	2.9	--	--	--	--	--	--
trans-1,2-Dichloroethene	--	0.1	0.13	--	0.73	--	--	--	--	--	--
trans-1,3-Dichloropropene	--	--	--	--	--	--	--	--	--	--	--
Trans-1,4-Dichloro-2-Butene	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	--	0.005	--	0.0024	--	0.0052	--	--	--	--	--
Trichlorofluoromethane	--	--	1.5	--	11	--	--	--	--	--	--
Vinyl Acetate	--	--	0.42	--	37	--	--	--	--	--	--
Vinyl Chloride	--	0.002	0.21	0.00032	0.11	0.000017	--	--	--	--	--
Xylenes, Total	--	10	0.21	--	7.3	--	--	--	--	--	--
							TOTAL RISK	0.0006	0.6	0.9	53.5
							BACKGROUND RISK	0	0	0.5	52.4
							INCREMENTAL RISK	0.0006	0.6	0.4	1.1

-- = The chemical was not analyzed, not detected or no value was available.
CEF = Cancer exceedance factor. CEFs were calculated by dividing detected concentrations by cancer-based USEPA RSLs.
A CEF of 1 corresponds to a cancer risk of 1x10^-6 (one in a million).
NCEF = Noncancer exceedance factor. NCEFs were calculated by dividing detected concentrations by noncancer-based USEPA RSLs.
An NCEF of 1 corresponds to a Hazard Index of 1.
RSL = Regional Screening Level
USEPA = United States Environmental Protection Agency
USEPA MCL EF = USEPA Maximum Contaminant Level Exceedance Factor. USEPA MCL EFs were calculated by dividing detected concentrations by the USEPA MCLs.
USEPA MCL = USEPA Maximum Contaminant Levels (http://www.epa.gov/ogwdw/contaminants/index.html).
Fecal Coliform, Fecal Steptococcus and Total Coliforms (including Fecal Coliform and E. Coli) are reported in CFU/100 mL (CFU = colony forming units).
Heterotrophic Plate Count is reported in CFU/1 mL.
Risk calculations may appear to not add correctly due to rounding.

Total Risk = The risk for all chemicals.
Background Risk = The risk for chemicals (i.e., inorganic elements) that are naturally occurring in the environment but does not include lead, copper and thallium.
Incremental Risk = The risk for chemicals that are not naturally occurring in the environment. The risk management category for this location
(i.e., Acceptable or Unacceptable) is based on this risk. This includes lead, copper and thallium.
The ingestion exceedance factors are presented for informational purposes only. The risk-management decision (i.e., Acceptable or Unacceptable) will be made
based on inhalation because the Navy leadership has stated that all personnel should be using bottled water for drinking, cooking, and brushing teeth.

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR11

	Soil - mg/kg					
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	NonCancer	Cancer	NCEF	CEF
Alkane Hydrocarbon						
Octane	--	--	--	--	--	--
Pentadecane	--	--	--	--	--	--
Tridecane	--	--	--	--	--	--
Undecane	--	--	--	--	--	--
Anion						
Chloride	--	--	--	--	--	--
Cyanide	--	--	1600	--	--	--
Fluoride	--	--	--	--	--	--
Nitrate (measured as NO3-)	--	--	572000	--	--	--
Nitrite (measured as NO2-)	--	--	25740	--	--	--
Phosphate	--	--	--	--	--	--
Sulfate	--	--	--	--	--	--
Dioxins/Furans						
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.00000115502	--	0.000072	0.0000045	0.02	0.3
Disinfectants						
Chlorine (as Cl2)	--	--	--	--	--	--
Disinfection Byproducts						
Total Trihalomethanes	--	--	--	--	--	--
Field Parameters						
Dissolved Oxygen	--	--	--	--	--	--
Oxidation Reduction Potential	--	--	--	--	--	--
pH	--	--	--	--	--	--
Salinity	--	--	--	--	--	--
Specific Conductance	--	--	--	--	--	--
Temperature	--	--	--	--	--	--
Total Dissolved Solids	--	--	--	--	--	--
Total Solids	80.8	--	--	--	--	--
Turbidity	--	--	--	--	--	--
Inorganics						
Aluminum	43500	86900	77000	--	0.6	--
Antimony	0.0988	42.8	31	--	0.003	--
Arsenic	14.3	164	22	0.39	0.7	**36.7**
Barium	309	1813	15000	--	0.02	--
Beryllium	5.61	--	160	1400	0.04	0.004
Cadmium (Diet)	0.252	10.6	70	1800	0.004	0.0001

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR11

	Soil - mg/kg					
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	NonCancer	Cancer	NCEF	CEF
Cadmium (Water)	--	--	--	--	--	--
Chromium	7.11	579	--	--	--	--
Cobalt	5.25	36.6	--	--	--	--
Copper	41.6	3965	3100	--	0.01	--
Iron	21400	154600	55000	--	0.4	--
Lead	42.8	2052	400	--	0.1	--
Manganese (Diet)	714	5923	--	--	--	--
Manganese (Water)	--	--	1800	--	--	--
Mercury	--	2.66	6.7	--	--	--
Nickel	5.8	689	1600	--	0.004	--
Selenium	--	1.9	390	--	--	--
Silver	0.118	8.132	390	--	0.0003	--
Thallium	1.59	69	5.1	--	0.3	--
Tin	2.31	--	47000	--	0.00005	--
Vanadium	56.2	187	550	--	0.1	--
Zinc	57	3211	23000	--	0.002	--
Microorganisms						
Fecal Coliform	--	--	--	--	--	--
Fecal Streptococcus	--	--	--	--	--	--
Heterotrophic Plate Count	--	--	--	--	--	--
Total Coliforms (including Fecal Coliform and E. Coli)	--	--	--	--	--	--
Pesticides						
4,4-DDD	--	--	--	2	--	--
4,4-DDE	--	--	--	1.4	--	--
4,4-DDT	--	--	36	1.7	--	--
Aldrin	--	--	1.8	0.029	--	--
alpha-BHC	--	--	--	0.077	--	--
alpha-Chlordane	--	--	--	--	--	--
beta-BHC	--	--	--	0.27	--	--
Chlordane	--	--	35	1.6	--	--
delta-BHC	--	--	--	--	--	--
Dieldrin	--	--	3.1	0.03	--	--
Endosulfan I	--	--	--	--	--	--
Endosulfan II	--	--	--	--	--	--
Endosulfan Sulfate	--	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR11

	Soil - mg/kg					
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	NonCancer	Cancer	NCEF	CEF
Endrin	--	--	18	--	--	--
Endrin Aldehyde	--	--	--	--	--	--
gamma-BHC (Lindane)	--	--	21	0.52	--	--
gamma-Chlordane	--	--	35	1.6	--	--
Heptachlor	--	--	31	0.11	--	--
Heptachlor Epoxide	--	--	0.79	0.053	--	--
Methoxychlor	--	--	310	--	--	--
Toxaphene	--	--	--	0.44	--	--
Polychlorinated bi-phenyls						
Aroclor 1016	--	--	3.9	6.3	--	--
Aroclor 1016/1260	--	--	3.9	0.22	--	--
Aroclor 1221	--	--	--	0.17	--	--
Aroclor 1232	--	--	--	0.17	--	--
Aroclor 1242	--	--	--	0.22	--	--
Aroclor 1248	--	--	--	0.22	--	--
Aroclor 1254	--	--	1.1	0.22	--	--
Aroclor 1260	--	--	--	0.22	--	--
Radionuclides						
Uranium	--	--	230	--	--	--
Semi-Volatile Organic Compounds						
1,1'-Biphenyl	--	--	3900	--	--	--
1,2,4,5-Tetrachlorobenzene	--	--	18	--	--	--
2,3,4,6-Tetrachlorophenol	--	--	1800	--	--	--
2,4,5-Trichlorophenol	--	--	6100	--	--	--
2,4,6-Trichlorophenol	--	--	61	44	--	--
2,4-Dichlorophenol	--	--	180	--	--	--
2,4-Dimethylphenol	--	--	1200	--	--	--
2,4-Dinitrophenol	--	--	120	--	--	--
2,4-Dinitrotoluene	--	--	120	--	--	--
2,6-Dichlorophenol	--	--	--	--	--	--
2,6-Dinitrotoluene	--	--	61	--	--	--
2-Chloronaphthalene	--	--	6300	--	--	--
2-Chlorophenol	--	--	390	--	--	--
2-Methylnaphthalene	--	--	310	--	--	--
2-Methylphenol (o-Cresol)	--	--	3100	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR11

	Soil - mg/kg					
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	NonCancer	Cancer	NCEF	CEF
2-Nitrophenol	--	--	--	--	--	--
3&4-Methylphenol	--	--	310	--	--	--
3-Methylphenol	--	--	3100	--	--	--
3-Nitroaniline	--	--	--	--	--	--
4,6-Dinitro-2-Methylphenol	--	--	--	--	--	--
4-Bromophenylphenylether	--	--	--	--	--	--
4-Chloro-3-Methylphenol	--	--	--	--	--	--
4-Chloroanaline	--	--	240	--	--	--
4-Methylphenol (p-Cresol)	--	--	310	--	--	--
4-Nitroaniline	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--
Acenaphthene	--	--	3400	--	--	--
Acenaphthylene	--	--	--	--	--	--
Aniline	--	--	430	85	--	--
Anthracene	--	--	17000	--	--	--
Atrazine	--	--	2100	2.1	--	--
Benzo(g,h,i)perylene	--	--	--	--	--	--
Bis(2-ethylhexyl)phthalate	--	--	1200	35	--	--
Butylbenzylphthalate	--	--	12000	--	--	--
Carbazole	--	--	--	24	--	--
Di-n-butylphthalate	--	--	6100	--	--	--
Di-n-octylphthalate	--	--	--	--	--	--
Dibenzofuran	--	--	--	--	--	--
Diethylphthalate	--	--	49000	--	--	--
Dimethylphthalate	--	--	--	--	--	--
Diphenylamine	--	--	1500	--	--	--
Fluoranthene	--	--	2300	--	--	--
Fluorene	--	--	2300	--	--	--
Hexachlorobenzene	--	--	49	0.3	--	--
Hexachlorobutadiene	--	--	61	6.2	--	--
Hexachlorocyclopentadiene	--	--	370	--	--	--
Hexachloroethane	--	--	61	35	--	--
Naphthalene	--	--	150	3.9	--	--
Nitrobenzene	--	--	31	--	--	--
o-Toluidine	--	--	--	2.7	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR11

	Soil - mg/kg					
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	NonCancer	Cancer	NCEF	CEF
Pentachlorobenzene	--	--	49	--	--	--
Pentachloronitrobenzene	--	--	180	1.9	--	--
Pentachlorophenol	--	--	1400	3	--	--
Phenanthrene	--	--	--	--	--	--
Phenol	--	--	18000	--	--	--
Pyrene	--	--	1700	--	--	--
Total Carcinogenic PAHS (BaP TEQs)	--	--	--	0.015	--	--
Total Petroleum Hydrocarbon						
Tph (c03-c20)	--	--	--	--	--	--
Tph (c08-c40)	--	--	--	--	--	--
Volatile Organic Compounds						
1,1,1,2-Tetrachloroethane	--	--	2300	2	--	--
1,1,1-Trichloroethane	--	--	9000	--	--	--
1,1,2,2-Tetrachloroethane	--	--	--	0.59	--	--
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	--	43000	--	--	--
1,1,2-Trichloroethane	--	--	310	1.1	--	--
1,1-Dichloroethane	--	--	1100	3.4	--	--
1,1-Dichloroethene	--	--	250	--	--	--
1,2,3-Trichlorobenzene	--	--	--	--	--	--
1,2,3-Trichloropropane	--	--	470	0.091	--	--
1,2,4-Trichlorobenzene	--	--	780	180	--	--
1,2,4-Trimethylbenzene	--	--	67	--	--	--
1,2-Dibromo-3-Chloropropane	--	--	5.1	0.0056	--	--
1,2-Dibromoethane	--	--	79	0.034	--	--
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	--	--	--	--	--	--
1,2-Dichlorobenzene	--	--	2000	--	--	--
1,2-Dichloroethane	--	--	13000	0.45	--	--
1,2-Dichloropropane	--	--	17	0.93	--	--
1,3,5-Trimethylbenzene	--	--	--	--	--	--
1,3-Butadiene	--	--	2	0.077	--	--
1,3-Dichlorobenzene	--	--	--	--	--	--
1,3-Dichloropropane	--	--	1600	--	--	--
1,4-Dichlorobenzene	--	--	10000	2.6	--	--
2,2-Dichloropropane	--	--	--	--	--	--
2-Butanone (methyl ethyl ketone)	--	--	28000	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR11

	Soil - mg/kg					
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	NonCancer	Cancer	NCEF	CEF
2-Chlorotoluene	--	--	1600	--	--	--
2-Hexanone	--	--	--	--	--	--
4-Chlorotoluene	--	--	5500	--	--	--
4-Isopropyltoluene	--	--	--	--	--	--
4-Methyl-2-Pentanone	--	--	5300	--	--	--
Acetaldehyde	--	--	89	11	--	--
Acetone	--	--	61000	--	--	--
Acetonitrile	--	--	870	--	--	--
Acetophenone	--	--	7800	--	--	--
Acrolein	--	--	0.16	--	--	--
Acrylonitrile	--	--	14	0.24	--	--
Benzene	--	--	90	1.1	--	--
Bis(2-Chloroethyl)ether	--	--	--	0.19	--	--
Bis(chloromethyl)ether	--	--	--	0.00027	--	--
Bromochloromethane	--	--	--	--	--	--
Bromodichloromethane	--	--	1600	10	--	--
Bromoform	--	--	1200	61	--	--
Bromomethane	--	--	7.9	--	--	--
Carbon Disulfide	--	--	670	--	--	--
Carbon Tetrachloride	--	--	47	0.25	--	--
Chlorobenzene	--	--	310	--	--	--
Chloroethane	--	--	15000	--	--	--
Chloroform	--	--	220	0.3	--	--
Chloromethane	--	--	120	1.7	--	--
Chloroprene	--	--	8.6	--	--	--
cis-1,2-Dichloroethene	--	--	780	--	--	--
cis-1,3-Dichloropropene	--	--	--	--	--	--
Cyclohexane	--	--	7200	--	--	--
Dibromochloromethane	--	--	1200	5.8	--	--
Dibromomethane	--	--	780	--	--	--
Dichlorodifluoromethane (Freon 12)	--	--	190	--	--	--
Ethylbenzene	--	--	3600	5.7	--	--
Formaldehyde	--	--	12000	250000	--	--
Hexane	--	--	570	--	--	--
Isobutyl Alcohol	--	--	23000	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR11

	Soil - mg/kg					
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	NonCancer	Cancer	NCEF	CEF
Isophorone	--	--	12000	510	--	--
Isopropylbenzene	--	--	2200	--	--	--
m,p-Xylenes	--	--	600	--	--	--
Methyl Acetate	--	--	78000	--	--	--
Methyl tert-Butyl Ether	--	--	15000	39	--	--
Methylcyclohexane	--	--	3400	--	--	--
Methylene Chloride	--	--	1700	11	--	--
n-Butylbenzene	--	--	--	--	--	--
n-Propylbenzene	--	--	--	--	--	--
o-Xylene	--	--	5300	--	--	--
Pentachloroethane	--	--	--	--	--	--
sec-Butylbenzene	--	--	--	--	--	--
Styrene	--	--	6500	--	--	--
tert-Butylbenzene	--	--	--	--	--	--
Tetrachloroethene	--	--	380	0.57	--	--
Toluene	--	--	5000	--	--	--
trans-1,2-Dichloroethene	--	--	110	--	--	--
trans-1,3-Dichloropropene	--	--	--	--	--	--
Trans-1,4-Dichloro-2-Butene	--	--	--	--	--	--
Trichloroethene	--	--	--	2.8	--	--
Trichlorofluoromethane	--	--	800	--	--	--
Vinyl Acetate	--	--	990	--	--	--
Vinyl Chloride	--	--	74	0.06	--	--
Xylenes, Total	--	--	600	--	--	--
				TOTAL RISK	2.2	36.9
				BACKGROUND RISK	2.2	36.7
				INCREMENTAL RISK	0.05	0.3

-- = The chemical was not analyzed, not detected or no value was available.

CEF = Cancer exceedance factor. CEFs were calculated by dividing detected concentrations by cancer-based USEPA RSLs. A CEF of 1 corresponds to a cancer risk of 1x10^-6 (one in a million).

Naples, Italy Background (Maximum) = Cicchella, Domencio, et al. *Background and baseline concentration values of elements harmful to human health in the volcanic soils of the metorpolitan and provincial areas of Napoli (Italy).* Geochemistry: Exploration, Environment, Analysis Vol. 5 2005, pp.29-40.

NCEF = Noncancer exceedance factor. NCEFs were calculated by dividing detected concentrations by noncancer- based USEPA RSLs. An NCEF of 1 corresponds to a Hazard Index of 1.

RSL = Regional Screening Level

USEPA = United States Environmental Protection Agency

Fecal Coliform, Fecal Steptococcus and Total Coliforms (including Fecal Coliform and E. Coli) are reported in CFU/100 mL.

Heterotrophic Plate Count is reported in CFU/1 mL.

Risk calculations may appear to not add correctly due to rounding.

Total Risk = The risk for all chemicals.

Background Risk = The risk for chemicals (i.e., inorganic elements) that are present at concentrations less than or equal to the Naples, Italy Background (Maximum) concentrations.

Incremental Risk = The risk for chemicals that are not naturally occurring in the environment. The risk management category for this location (i.e., Acceptable or Unacceptable) is based on this risk.

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR11

	Soil Gas - mg/m3				
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	NonCancer	Cancer	NCEF	CEF
Alkane Hydrocarbon					
Octane	--	--	--	--	--
Pentadecane	--	--	--	--	--
Tridecane	--	--	--	--	--
Undecane	--	--	--	--	--
Anion					
Chloride	--	--	--	--	--
Cyanide	--	--	--	--	--
Fluoride	--	--	--	--	--
Nitrate (measured as NO3-)	--	--	--	--	--
Nitrite (measured as NO2-)	--	--	--	--	--
Phosphate	--	--	--	--	--
Sulfate	--	--	--	--	--
Dioxins/Furans					
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	--	--	0.00000000064	--	--
Disinfectants					
Chlorine (as Cl2)	--	--	--	--	--
Disinfection Byproducts					
Total Trihalomethanes	--	--	--	--	--
Field Parameters					
Dissolved Oxygen	--	--	--	--	--
Oxidation Reduction Potential	--	--	--	--	--
pH	--	--	--	--	--
Salinity	--	--	--	--	--
Specific Conductance	--	--	--	--	--
Temperature	--	--	--	--	--
Total Dissolved Solids	--	--	--	--	--
Total Solids	--	--	--	--	--
Turbidity	--	--	--	--	--
Inorganics					
Aluminum	--	0.052	--	--	--
Antimony	--	--	--	--	--
Arsenic	--	0.00031	0.0000057	--	--
Barium	--	0.0052	--	--	--
Beryllium	--	0.00021	0.00001	--	--
Cadmium (Diet)	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR11

	Soil Gas - mg/m3				
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	NonCancer	Cancer	NCEF	CEF
Cadmium (Water)	--	--	0.000014	--	--
Chromium	--	--	--	--	--
Cobalt	--	--	--	--	--
Copper	--	--	--	--	--
Iron	--	--	--	--	--
Lead	--	0.017	--	--	--
Manganese (Diet)	--	--	--	--	--
Manganese (Water)	--	0.00052	--	--	--
Mercury	--	0.0031	--	--	--
Nickel	--	--	--	--	--
Selenium	--	--	--	--	--
Silver	--	--	--	--	--
Thallium	--	--	--	--	--
Tin	--	--	--	--	--
Vanadium	--	--	--	--	--
Zinc	--	--	--	--	--
Microorganisms					
Fecal Coliform	--	--	--	--	--
Fecal Streptococcus	--	--	--	--	--
Heterotrophic Plate Count	--	--	--	--	--
Total Coliforms (including Fecal Coliform and E. Coli)	--	--	--	--	--
Pesticides					
4,4-DDD	--	--	--	--	--
4,4-DDE	--	--	--	--	--
4,4-DDT	--	--	0.00025	--	--
Aldrin	--	--	0.000005	--	--
alpha-BHC	--	--	0.000014	--	--
alpha-Chlordane	--	--	--	--	--
beta-BHC	--	--	0.000046	--	--
Chlordane	--	0.0073	0.00024	--	--
delta-BHC	--	--	--	--	--
Dieldrin	--	--	0.0000053	--	--
Endosulfan I	--	--	--	--	--
Endosulfan II	--	--	--	--	--
Endosulfan Sulfate	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR11

	Soil Gas - mg/m3				
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	NonCancer	Cancer	NCEF	CEF
Endrin	--	--	--	--	--
Endrin Aldehyde	--	--	--	--	--
gamma-BHC (Lindane)	--	--	0.000078	--	--
gamma-Chlordane	--	0.0073	0.00024	--	--
Heptachlor	--	--	0.000019	--	--
Heptachlor Epoxide	--	--	0.0000094	--	--
Methoxychlor	--	--	--	--	--
Toxaphene	--	--	0.000076	--	--
Polychlorinated bi-phenyls					
Aroclor 1016	--	--	0.0012	--	--
Aroclor 1016/1260	--	--	0.000043	--	--
Aroclor 1221	--	--	0.000043	--	--
Aroclor 1232	--	--	0.000043	--	--
Aroclor 1242	--	--	0.000043	--	--
Aroclor 1248	--	--	0.000043	--	--
Aroclor 1254	--	--	0.000043	--	--
Aroclor 1260	--	--	0.000043	--	--
Radionuclides					
Uranium	--	--	--	--	--
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	--	--	--	--	--
2,4,5-Trichlorophenol	--	--	--	--	--
2,4,6-Trichlorophenol	--	--	0.0078	--	--
2,4-Dichlorophenol	--	--	--	--	--
2,4-Dimethylphenol	--	--	--	--	--
2,4-Dinitrophenol	--	--	--	--	--
2,4-Dinitrotoluene	--	--	--	--	--
2,6-Dichlorophenol	--	--	--	--	--
2,6-Dinitrotoluene	--	--	--	--	--
2-Chloronaphthalene	--	--	--	--	--
2-Chlorophenol	--	--	--	--	--
2-Methylnaphthalene	--	--	--	--	--
2-Methylphenol (o-Cresol)	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR11

	Soil Gas - mg/m3				
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	NonCancer	Cancer	NCEF	CEF
2-Nitrophenol	--	--	--	--	--
3&4-Methylphenol	--	--	--	--	--
3-Methylphenol	--	--	--	--	--
3-Nitroaniline	--	--	--	--	--
4,6-Dinitro-2-Methylphenol	--	--	--	--	--
4-Bromophenylphenylether	--	--	--	--	--
4-Chloro-3-Methylphenol	--	--	--	--	--
4-Chloroanaline	--	--	--	--	--
4-Methylphenol (p-Cresol)	--	--	--	--	--
4-Nitroaniline	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--
Acenaphthene	--	--	--	--	--
Acenaphthylene	--	--	--	--	--
Aniline	--	0.01	--	--	--
Anthracene	--	--	--	--	--
Atrazine	--	--	--	--	--
Benzo(g,h,i)perylene	--	--	--	--	--
Bis(2-ethylhexyl)phthalate	--	--	--	--	--
Butylbenzylphthalate	--	--	--	--	--
Carbazole	--	--	--	--	--
Di-n-butylphthalate	--	--	--	--	--
Di-n-octylphthalate	--	--	--	--	--
Dibenzofuran	--	--	--	--	--
Diethylphthalate	--	--	--	--	--
Dimethylphthalate	--	--	--	--	--
Diphenylamine	--	--	--	--	--
Fluoranthene	--	--	--	--	--
Fluorene	--	--	--	--	--
Hexachlorobenzene	--	--	0.000053	--	--
Hexachlorobutadiene	--	--	0.0011	--	--
Hexachlorocyclopentadiene	--	0.0021	--	--	--
Hexachloroethane	--	--	0.0061	--	--
Naphthalene	--	0.031	0.00072	--	--
Nitrobenzene	--	0.021	--	--	--
o-Toluidine	--	--	0.00048	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR11

	Soil Gas - mg/m3				
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	NonCancer	Cancer	NCEF	CEF
Pentachlorobenzene	--	--	--	--	--
Pentachloronitrobenzene	--	--	--	--	--
Pentachlorophenol	--	--	--	--	--
Phenanthrene	--	--	--	--	--
Phenol	--	2.1	--	--	--
Pyrene	--	--	--	--	--
Total Carcinogenic PAHS (BaP TEQs)	--	--	0.0000087	--	--
Total Petroleum Hydrocarbon					
Tph (c03-c20)	0.004703823	--	--	--	--
Tph (c08-c40)	--	--	--	--	--
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	--	--	0.0033	--	--
1,1,1-Trichloroethane	--	52	--	--	--
1,1,2,2-Tetrachloroethane	--	--	0.00042	--	--
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	310	--	--	--
1,1,2-Trichloroethane	--	--	0.0015	--	--
1,1-Dichloroethane	--	5.2	0.015	--	--
1,1-Dichloroethene	--	2.1	--	--	--
1,2,3-Trichlorobenzene	--	--	--	--	--
1,2,3-Trichloropropane	--	--	--	--	--
1,2,4-Trichlorobenzene	--	--	--	--	--
1,2,4-Trimethylbenzene	--	0.073	--	--	--
1,2-Dibromo-3-Chloropropane	--	0.0021	0.0000016	--	--
1,2-Dibromoethane	--	0.094	0.000041	--	--
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	--	--	--	--	--
1,2-Dichlorobenzene	--	2.1	--	--	--
1,2-Dichloroethane	--	25	0.00094	--	--
1,2-Dichloropropane	--	0.042	0.0024	--	--
1,3,5-Trimethylbenzene	--	--	--	--	--
1,3-Butadiene	--	0.021	0.00081	--	--
1,3-Dichlorobenzene	--	--	--	--	--
1,3-Dichloropropane	--	--	--	--	--
1,4-Dichlorobenzene	--	8.299999999999999	0.0022	--	--
2,2-Dichloropropane	--	--	--	--	--
2-Butanone (methyl ethyl ketone)	--	52	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR11

	Soil Gas - mg/m3				
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	NonCancer	Cancer	NCEF	CEF
2-Chlorotoluene	--	--	--	--	--
2-Hexanone	--	--	--	--	--
4-Chlorotoluene	--	--	--	--	--
4-Isopropyltoluene	--	--	--	--	--
4-Methyl-2-Pentanone	--	31	--	--	--
Acetaldehyde	--	0.094	0.011	--	--
Acetone	--	320	--	--	--
Acetonitrile	--	0.63	--	--	--
Acetophenone	--	--	--	--	--
Acrolein	--	0.00021	--	--	--
Acrylonitrile	--	0.021	0.00036	--	--
Benzene	--	0.31	0.0031	--	--
Bis(2-Chloroethyl)ether	--	--	0.000074	--	--
Bis(chloromethyl)ether	--	--	0.00000039	--	--
Bromochloromethane	--	--	--	--	--
Bromodichloromethane	--	--	--	--	--
Bromoform	--	--	0.022	--	--
Bromomethane	--	0.052	--	--	--
Carbon Disulfide	--	7.3	--	--	--
Carbon Tetrachloride	--	2	0.0016	--	--
Chlorobenzene	--	0.52	--	--	--
Chloroethane	--	100	--	--	--
Chloroform	--	1	0.0011	--	--
Chloromethane	--	0.94	0.014	--	--
Chloroprene	--	0.073	--	--	--
cis-1,2-Dichloroethene	--	--	--	--	--
cis-1,3-Dichloropropene	--	--	--	--	--
Cyclohexane	--	63	--	--	--
Dibromochloromethane	--	--	--	--	--
Dibromomethane	--	--	--	--	--
Dichlorodifluoromethane (Freon 12)	--	2.1	--	--	--
Ethylbenzene	--	10	0.0097	--	--
Formaldehyde	--	0.1	0.0019	--	--
Hexane	--	7.3	--	--	--
Isobutyl Alcohol	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR11

	Soil Gas - mg/m3				
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	NonCancer	Cancer	NCEF	CEF
Isophorone	--	21	--	--	--
Isopropylbenzene	--	4.2	--	--	--
m,p-Xylenes	--	1	--	--	--
Methyl Acetate	--	--	--	--	--
Methyl tert-Butyl Ether	--	31	0.094	--	--
Methylcyclohexane	--	31	--	--	--
Methylene Chloride	--	11	0.052	--	--
n-Butylbenzene	--	--	--	--	--
n-Propylbenzene	--	--	--	--	--
o-Xylene	--	7.3	--	--	--
Pentachloroethane	--	--	--	--	--
sec-Butylbenzene	--	--	--	--	--
Styrene	--	10	--	--	--
tert-Butylbenzene	--	--	--	--	--
Tetrachloroethene	--	2.8	0.0041	--	--
Toluene	--	52	--	--	--
trans-1,2-Dichloroethene	--	0.63	--	--	--
trans-1,3-Dichloropropene	--	--	--	--	--
Trans-1,4-Dichloro-2-Butene	--	--	--	--	--
Trichloroethene	--	--	0.012	--	--
Trichlorofluoromethane	--	7.3	--	--	--
Vinyl Acetate	--	2.1	--	--	--
Vinyl Chloride	--	1	0.0016	--	--
Xylenes, Total	--	1	--	--	--
			TOTAL RISK	0	0
			BACKGROUND RISK	0	0
			INCREMENTAL RISK	0	0

-- = The chemical was not analyzed, not detected or no value was available.
CEF = Cancer exceedance factor. CEFs were calculated by dividing detected concentrations by cancer-based USEPA RSLs.
A CEF of 1 corresponds to a cancer risk of 1x10^-6 (one in a million).
NCEF = Noncancer exceedance factor. NCEFs were calculated by dividing detected concentrations by noncancer- based USEPA RSLs.
An NCEF of 1 corresponds to a Hazard Index of 1.
RSL = Regional Screening Level
USEPA = United States Environmental Protection Agency
Fecal Coliform, Fecal Steptococcus and Total Coliforms (including Fecal Coliform and E. Coli) are reported in CFU/100 mL.
Heterotrophic Plate Count is reported in CFU/1 mL.
Risk calculations may appear to not add correctly due to rounding.

Total Risk = The risk for all chemicals.
Background Risk = None of the volatile organic chemicals tested for in the soil gas samples are naturally occurring. Therefore, the background risk is zero.
Incremental Risk = The Total Risk. The risk management category for this location (i.e., Acceptable or Unacceptable) is based on this risk.

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR11

	Tap Water - mg/L										
			USEPA RSL					USEPA RSL			
			30-Year Exposure					30-Year Exposure			
			Inhalation		Ingestion			Inhalation		Ingestion	
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	NCEF	CEF	NCEF	CEF
Alkane Hydrocarbon											
Octane	--	--	--	--	--	--	--	--	--	--	--
Pentadecane	--	--	--	--	--	--	--	--	--	--	--
Tridecane	--	--	--	--	--	--	--	--	--	--	--
Undecane	--	--	--	--	--	--	--	--	--	--	--
Anion											
Chloride	10.2	--	--	--	--	--	--	--	--	--	--
Cyanide	--	0.2	--	--	0.73	--	--	--	--	--	--
Fluoride	--	4	--	--	--	--	--	--	--	--	--
Nitrate (measured as NO3-)	3.19	44.3	--	--	255.2	--	0.07	--	--	0.01	--
Nitrite (measured as NO2-)	--	3.29	--	--	12.21	--	--	--	--	--	--
Phosphate	--	--	--	--	--	--	--	--	--	--	--
Sulfate	9.19	--	--	--	--	--	--	--	--	--	--
Dioxins/Furans											
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.000000000039	0.00000003	--	--	0.000000037	0.0000000005	0.001	--	--	0.001	0.08
Disinfectants											
Chlorine (as Cl2)	0.01	4.01	--	--	--	--	0.002	--	--	--	--
Disinfection Byproducts											
Total Trihalomethanes	0.00376	0.0807	--	--	--	--	0.05	--	--	--	--
Field Parameters											
Dissolved Oxygen	8.15	--	--	--	--	--	--	--	--	--	--
Oxidation Reduction Potential	275	--	--	--	--	--	--	--	--	--	--
pH	7.69	--	--	--	--	--	--	--	--	--	--
Salinity	--	--	--	--	--	--	--	--	--	--	--
Specific Conductance	0.83	--	--	--	--	--	--	--	--	--	--
Temperature	27.19	--	--	--	--	--	--	--	--	--	--
Total Dissolved Solids	--	--	--	--	--	--	--	--	--	--	--
Total Solids	--	--	--	--	--	--	--	--	--	--	--
Turbidity	42	--	--	--	--	--	--	--	--	--	--
Inorganics											
Aluminum	--	--	--	--	37	--	--	--	--	--	--
Antimony	0.00154	0.006	--	--	0.015	--	0.3	--	--	0.1	--
Arsenic	0.00404	0.01	--	--	0.011	0.000045	0.4	--	--	0.4	**89.8**
Barium	0.0264	2	--	--	7.3	--	0.01	--	--	0.004	--
Beryllium	--	0.004	--	--	0.073	--	--	--	--	--	--
Cadmium (Diet)	--	--	--	--	--	--	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR11

	Tap Water - mg/L										
			USEPA RSL					USEPA RSL			
			30-Year Exposure					30-Year Exposure			
			Inhalation		Ingestion			Inhalation		Ingestion	
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	NCEF	CEF	NCEF	CEF
Cadmium (Water)	0.000489	0.005	--	--	0.018	--	0.10	--	--	0.03	--
Chromium	0.000222	0.1	--	--	--	--	0.002	--	--	--	--
Cobalt	0.00426	--	--	--	--	--	--	--	--	--	--
Copper	0.215	--	--	--	1.5	--	--	--	--	0.1	--
Iron	1.14	--	--	--	26	--	--	--	--	0.04	--
Lead	0.0235	--	--	--	0.02	--	--	--	--	1.2	--
Manganese (Diet)	--	--	--	--	--	--	--	--	--	--	--
Manganese (Water)	0.189	--	--	--	0.88	--	--	--	--	0.2	--
Mercury	0.000026	0.002	0.00063	--	--	--	0.01	0.04	--	--	--
Nickel	8.33	--	--	--	0.73	--	--	--	--	11.4	--
Selenium	--	0.05	--	--	0.18	--	--	--	--	--	--
Silver	0.000164	--	--	--	0.18	--	--	--	--	0.0009	--
Thallium	--	0.002	--	--	0.0024	--	--	--	--	--	--
Tin	0.000829	--	--	--	22	--	--	--	--	0.00004	--
Vanadium	--	--	--	--	0.26	--	--	--	--	--	--
Zinc	6.45	--	--	--	11	--	--	--	--	0.6	--
Microorganisms											
Fecal Coliform	--	0	--	--	--	--	--	--	--	--	--
Fecal Streptococcus	0	--	--	--	--	--	--	--	--	--	--
Heterotrophic Plate Count	1030	--	--	--	--	--	--	--	--	--	--
Total Coliforms (including Fecal Coliform and E. Coli)	--	0	--	--	--	--	--	--	--	--	--
Pesticides											
4,4-DDD	--	--	--	--	--	0.00028	--	--	--	--	--
4,4-DDE	--	--	--	--	--	0.0002	--	--	--	--	--
4,4-DDT	--	--	--	--	0.018	0.0002	--	--	--	--	--
Aldrin	--	--	--	--	0.0011	0.000004	--	--	--	--	--
alpha-BHC	--	--	--	--	--	0.000011	--	--	--	--	--
alpha-Chlordane	--	0.002	--	--	--	--	--	--	--	--	--
beta-BHC	--	--	--	--	--	0.000037	--	--	--	--	--
Chlordane	--	0.002	--	--	0.018	0.00019	--	--	--	--	--
delta-BHC	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	--	--	--	--	0.0018	0.0000042	--	--	--	--	--
Endosulfan I	--	--	--	--	--	--	--	--	--	--	--
Endosulfan II	--	--	--	--	--	--	--	--	--	--	--
Endosulfan Sulfate	--	--	--	--	--	--	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR11

	Tap Water - mg/L										
			USEPA RSL					USEPA RSL			
			30-Year Exposure					30-Year Exposure			
			Inhalation		Ingestion			Inhalation		Ingestion	
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	NCEF	CEF	NCEF	CEF
Endrin	--	0.002	--	--	0.011	--	--	--	--	--	--
Endrin Aldehyde	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC (Lindane)	--	0.0002	--	--	0.011	0.000061	--	--	--	--	--
gamma-Chlordane	--	0.002	--	--	0.018	0.00019	--	--	--	--	--
Heptachlor	--	0.0004	--	--	0.018	0.000015	--	--	--	--	--
Heptachlor Epoxide	--	0.0002	--	--	0.00047	0.0000074	--	--	--	--	--
Methoxychlor	--	0.04	--	--	0.18	--	--	--	--	--	--
Toxaphene	--	0.003	--	--	--	0.000061	--	--	--	--	--
Polychlorinated bi-phenyls											
Aroclor 1016	--	--	--	--	0.0026	0.00096	--	--	--	--	--
Aroclor 1016/1260	--	--	--	--	0.0026	0.000034	--	--	--	--	--
Aroclor 1221	--	--	--	0.0000085	--	0.000034	--	--	--	--	--
Aroclor 1232	--	--	--	0.0000085	--	0.000034	--	--	--	--	--
Aroclor 1242	--	--	--	--	--	0.000034	--	--	--	--	--
Aroclor 1248	--	--	--	--	--	0.000034	--	--	--	--	--
Aroclor 1254	--	--	--	--	0.00073	0.000034	--	--	--	--	--
Aroclor 1260	--	--	--	--	--	0.000034	--	--	--	--	--
Radionuclides											
Uranium	0.000908	0.03	--	--	0.11	--	0.03	--	--	0.008	--
Semi-Volatile Organic Compounds											
1,1'-Biphenyl	--	--	--	--	1.8	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	--	--	--	--	0.011	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	--	--	--	--	1.1	--	--	--	--	--	--
2,4,5-Trichlorophenol	--	--	--	--	3.7	--	--	--	--	--	--
2,4,6-Trichlorophenol	--	--	--	--	0.037	0.0061	--	--	--	--	--
2,4-Dichlorophenol	--	--	--	--	0.11	--	--	--	--	--	--
2,4-Dimethylphenol	--	--	--	--	0.73	--	--	--	--	--	--
2,4-Dinitrophenol	--	--	--	--	0.073	--	--	--	--	--	--
2,4-Dinitrotoluene	--	--	--	--	0.073	--	--	--	--	--	--
2,6-Dichlorophenol	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	--	--	--	--	0.037	--	--	--	--	--	--
2-Chloronaphthalene	--	--	--	--	2.9	--	--	--	--	--	--
2-Chlorophenol	--	--	--	--	0.18	--	--	--	--	--	--
2-Methylnaphthalene	--	--	--	--	0.15	--	--	--	--	--	--
2-Methylphenol (o-Cresol)	--	--	--	--	1.8	--	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR11

	Tap Water - mg/L										
			USEPA RSL					USEPA RSL			
			30-Year Exposure					30-Year Exposure			
			Inhalation		Ingestion			Inhalation		Ingestion	
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	NCEF	CEF	NCEF	CEF
2-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--
3&4-Methylphenol	--	--	--	--	0.18	--	--	--	--	--	--
3-Methylphenol	--	--	--	--	1.8	--	--	--	--	--	--
3-Nitroaniline	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-Methylphenol	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenylphenylether	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-Methylphenol	--	--	--	--	--	--	--	--	--	--	--
4-Chloroanaline	--	--	--	--	0.15	--	--	--	--	--	--
4-Methylphenol (p-Cresol)	--	--	--	--	0.18	--	--	--	--	--	--
4-Nitroaniline	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	--	--	--	--	2.2	--	--	--	--	--	--
Acenaphthylene	--	--	--	--	--	--	--	--	--	--	--
Aniline	--	--	--	--	0.26	0.012	--	--	--	--	--
Anthracene	--	--	--	--	11	--	--	--	--	--	--
Atrazine	--	0.003	--	--	1.3	0.00029	--	--	--	--	--
Benzo(g,h,i)perylene	--	--	--	--	--	--	--	--	--	--	--
Bis(2-ethylhexyl)phthalate	--	0.006	--	--	0.73	0.0048	--	--	--	--	--
Butylbenzylphthalate	--	--	--	--	7.3	--	--	--	--	--	--
Carbazole	--	--	--	--	--	0.0034	--	--	--	--	--
Di-n-butylphthalate	--	--	--	--	3.7	--	--	--	--	--	--
Di-n-octylphthalate	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	--	--	--	--	--	--	--	--	--	--	--
Diethylphthalate	--	--	--	--	29	--	--	--	--	--	--
Dimethylphthalate	--	--	--	--	--	--	--	--	--	--	--
Diphenylamine	--	--	--	--	0.91	--	--	--	--	--	--
Fluoranthene	--	--	--	--	1.5	--	--	--	--	--	--
Fluorene	--	--	--	--	1.5	--	--	--	--	--	--
Hexachlorobenzene	--	0.001	--	--	0.029	0.000042	--	--	--	--	--
Hexachlorobutadiene	--	--	--	--	0.037	0.00086	--	--	--	--	--
Hexachlorocyclopentadiene	--	0.05	--	--	0.22	--	--	--	--	--	--
Hexachloroethane	--	--	--	--	0.037	0.0048	--	--	--	--	--
Naphthalene	--	--	0.0063	0.00014	0.73	--	--	--	--	--	--
Nitrobenzene	--	--	0.0042	--	0.018	--	--	--	--	--	--
o-Toluidine	--	--	--	--	--	0.00037	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR11

	Tap Water - mg/L										
			USEPA RSL					USEPA RSL			
			30-Year Exposure					30-Year Exposure			
			Inhalation		Ingestion			Inhalation		Ingestion	
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	NCEF	CEF	NCEF	CEF
Pentachlorobenzene	--	--	--	--	0.029	--	--	--	--	--	--
Pentachloronitrobenzene	--	--	--	--	0.11	0.00026	--	--	--	--	--
Pentachlorophenol	--	0.001	--	--	1.1	0.00056	--	--	--	--	--
Phenanthrene	--	--	--	--	--	--	--	--	--	--	--
Phenol	--	--	--	--	11	--	--	--	--	--	--
Pyrene	--	--	--	--	1.1	--	--	--	--	--	--
Total Carcinogenic PAHS (BaP TEQs)	--	0.0002	--	--	--	0.0000029	--	--	--	--	--
Total Petroleum Hydrocarbon											
Tph (c03-c20)	--	--	--	--	--	--	--	--	--	--	--
Tph (c08-c40)	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds											
1,1,1,2-Tetrachloroethane	--	--	--	0.00066	1.1	0.0026	--	--	--	--	--
1,1,1-Trichloroethane	--	0.2	10	--	73	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	--	--	--	0.000084	--	0.00034	--	--	--	--	--
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	--	63	--	1100	--	--	--	--	--	--
1,1,2-Trichloroethane	--	0.005	--	0.0003	0.15	0.0012	--	--	--	--	--
1,1-Dichloroethane	--	--	1	0.003	7.3	0.012	--	--	--	--	--
1,1-Dichloroethene	--	0.007	0.42	--	1.8	--	--	--	--	--	--
1,2,3-Trichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	--	--	--	--	0.22	0.0000096	--	--	--	--	--
1,2,4-Trichlorobenzene	--	0.07	--	--	0.37	0.019	--	--	--	--	--
1,2,4-Trimethylbenzene	--	--	0.015	--	--	--	--	--	--	--	--
1,2-Dibromo-3-Chloropropane	--	0.0002	0.00042	0.00000032	0.0073	0.000027	--	--	--	--	--
1,2-Dibromoethane	--	0.00005	0.019	0.0000081	0.33	0.000034	--	--	--	--	--
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	--	0.6	0.42	--	3.3	--	--	--	--	--	--
1,2-Dichloroethane	--	0.005	5.1	0.00019	--	0.00074	--	--	--	--	--
1,2-Dichloropropane	--	0.005	0.0083	0.00049	--	0.0019	--	--	--	--	--
1,3,5-Trimethylbenzene	--	--	--	--	--	--	--	--	--	--	--
1,3-Butadiene	--	--	0.0042	0.00016	--	--	--	--	--	--	--
1,3-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	--	--	--	--	0.73	--	--	--	--	--	--
1,4-Dichlorobenzene	--	0.075	1.7	0.00044	--	0.012	--	--	--	--	--
2,2-Dichloropropane	--	--	--	--	--	--	--	--	--	--	--
2-Butanone (methyl ethyl ketone)	--	--	10	--	22	--	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR11

	Tap Water - mg/L										
			USEPA RSL					USEPA RSL			
			30-Year Exposure					30-Year Exposure			
			Inhalation		Ingestion			Inhalation		Ingestion	
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	NCEF	CEF	NCEF	CEF
2-Chlorotoluene	--	--	--	--	0.73	--	--	--	--	--	--
2-Hexanone	--	--	--	--	--	--	--	--	--	--	--
4-Chlorotoluene	--	--	--	--	2.6	--	--	--	--	--	--
4-Isopropyltoluene	--	--	--	--	--	--	--	--	--	--	--
4-Methyl-2-Pentanone	--	--	6.3	--	2.9	--	--	--	--	--	--
Acetaldehyde	--	--	0.019	0.0022	--	--	--	--	--	--	--
Acetone	--	--	64	--	33	--	--	--	--	--	--
Acetonitrile	--	--	0.13	--	--	--	--	--	--	--	--
Acetophenone	--	--	--	--	3.7	--	--	--	--	--	--
Acrolein	--	--	0.000042	--	0.018	--	--	--	--	--	--
Acrylonitrile	--	--	0.0042	0.000072	0.037	0.00012	--	--	--	--	--
Benzene	--	0.005	0.063	0.00062	0.15	0.0012	--	--	--	--	--
Bis(2-Chloroethyl)ether	--	--	--	0.000015	--	0.000061	--	--	--	--	--
Bis(chloromethyl)ether	--	--	--	0.000000078	--	0.00000031	--	--	--	--	--
Bromochloromethane	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	0.000265	--	--	--	0.73	0.0011	--	--	--	0.0004	0.2
Bromoform	0.0028	--	--	--	0.73	0.0085	--	--	--	0.004	0.3
Bromomethane	--	--	0.01	--	0.051	--	--	--	--	--	--
Carbon Disulfide	--	--	1.5	--	3.7	--	--	--	--	--	--
Carbon Tetrachloride	--	0.005	0.39	0.00032	0.026	0.00052	--	--	--	--	--
Chlorobenzene	--	0.1	0.1	--	0.73	--	--	--	--	--	--
Chloroethane	--	--	21	--	--	--	--	--	--	--	--
Chloroform	0.000125	--	0.2	0.00021	0.37	0.0022	--	0.0006	0.6	0.0003	0.06
Chloromethane	--	--	0.19	0.0027	--	0.0052	--	--	--	--	--
Chloroprene	--	--	0.015	--	0.73	--	--	--	--	--	--
cis-1,2-Dichloroethene	--	0.07	--	--	0.37	--	--	--	--	--	--
cis-1,3-Dichloropropene	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	--	--	13	--	--	--	--	--	--	--	--
Dibromochloromethane	0.00057	--	--	--	0.73	0.0008	--	--	--	0.0008	0.7
Dibromomethane	--	--	--	--	0.37	--	--	--	--	--	--
Dichlorodifluoromethane (Freon 12)	--	--	0.42	--	7.3	--	--	--	--	--	--
Ethylbenzene	--	0.7	2.1	0.0019	3.7	0.0061	--	--	--	--	--
Formaldehyde	--	--	--	--	7.3	--	--	--	--	--	--
Hexane	--	--	1.5	--	2.2	--	--	--	--	--	--
Isobutyl Alcohol	--	--	--	--	11	--	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR11

	Tap Water - mg/L										
			USEPA RSL					USEPA RSL			
			30-Year Exposure					30-Year Exposure			
			Inhalation		Ingestion			Inhalation		Ingestion	
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	NCEF	CEF	NCEF	CEF
Isophorone	--	--	--	--	7.3	0.071	--	--	--	--	--
Isopropylbenzene	--	--	0.83	--	3.7	--	--	--	--	--	--
m,p-Xylenes	--	--	0.21	--	7.3	--	--	--	--	--	--
Methyl Acetate	--	--	--	--	37	--	--	--	--	--	--
Methyl tert-Butyl Ether	--	--	6.3	0.019	--	0.037	--	--	--	--	--
Methylcyclohexane	--	--	6.3	--	--	--	--	--	--	--	--
Methylene Chloride	--	0.005	2.2	0.01	2.2	0.009	--	--	--	--	--
n-Butylbenzene	--	--	--	--	--	--	--	--	--	--	--
n-Propylbenzene	--	--	--	--	--	--	--	--	--	--	--
o-Xylene	--	--	1.5	--	73	--	--	--	--	--	--
Pentachloroethane	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	--	--	--	--	--	--	--	--	--	--	--
Styrene	--	0.1	2.1	--	7.3	--	--	--	--	--	--
tert-Butylbenzene	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	--	0.005	0.57	0.00082	0.37	0.00012	--	--	--	--	--
Toluene	--	1	10	--	2.9	--	--	--	--	--	--
trans-1,2-Dichloroethene	--	0.1	0.13	--	0.73	--	--	--	--	--	--
trans-1,3-Dichloropropene	--	--	--	--	--	--	--	--	--	--	--
Trans-1,4-Dichloro-2-Butene	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	--	0.005	--	0.0024	--	0.0052	--	--	--	--	--
Trichlorofluoromethane	--	--	1.5	--	11	--	--	--	--	--	--
Vinyl Acetate	--	--	0.42	--	37	--	--	--	--	--	--
Vinyl Chloride	--	0.002	0.21	0.00032	0.11	0.000017	--	--	--	--	--
Xylenes, Total	--	10	0.21	--	7.3	--	--	--	--	--	--
							TOTAL RISK	0.04	0.6	14.1	91.2
							BACKGROUND RISK	0.04	0	12.8	89.8
							INCREMENTAL RISK	0.0006	0.6	1.3	1.4

-- = The chemical was not analyzed, not detected or no value was available.
CEF = Cancer exceedance factor. CEFs were calculated by dividing detected concentrations by cancer-based USEPA RSLs.
A CEF of 1 corresponds to a cancer risk of 1x10^-6 (one in a million).
NCEF = Noncancer exceedance factor. NCEFs were calculated by dividing detected concentrations by noncancer-based USEPA RSLs.
An NCEF of 1 corresponds to a Hazard Index of 1.
RSL = Regional Screening Level
USEPA = United States Environmental Protection Agency
USEPA MCL EF = USEPA Maximum Contaminant Level Exceedance Factor. USEPA MCL EFs were calculated by dividing detected concentrations by the USEPA MCLs.
USEPA MCL = USEPA Maximum Contaminant Levels (http://www.epa.gov/ogwdw/contaminants/index.html).
Fecal Coliform, Fecal Steptococcus and Total Coliforms (including Fecal Coliform and E. Coli) are reported in CFU/100 mL (CFU = colony forming units).
Heterotrophic Plate Count is reported in CFU/1 mL.
Risk calculations may appear to not add correctly due to rounding.

Total Risk = The risk for all chemicals.
Background Risk = The risk for chemicals (i.e., inorganic elements) that are naturally occurring in the environment but does not include lead, copper and thallium.
Incremental Risk = The risk for chemicals that are not naturally occurring in the environment. The risk management category for this location
(i.e., Acceptable or Unacceptable) is based on this risk. This includes lead, copper and thallium.
The ingestion exceedance factors are presented for informational purposes only. The risk-management decision (i.e., Acceptable or Unacceptable) will be made
based on inhalation because the Navy leadership has stated that all personnel should be using bottled water for drinking, cooking, and brushing teeth.

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR13

Chemical	Soil - mg/kg					
	Maximum Detected Concentration	Naples, Italy Background (Maximum)	USEPA RSL 30-Year Exposure		USEPA RSL 30-Year Exposure	
			NonCancer	Cancer	NCEF	CEF
Alkane Hydrocarbon						
Octane	--	--	--	--	--	--
Pentadecane	--	--	--	--	--	--
Tridecane	--	--	--	--	--	--
Undecane	--	--	--	--	--	--
Anion						
Chloride	--	--	--	--	--	--
Cyanide	--	--	1600	--	--	--
Fluoride	--	--	--	--	--	--
Nitrate (measured as NO3-)	--	--	572000	--	--	--
Nitrite (measured as NO2-)	--	--	25740	--	--	--
Phosphate	--	--	--	--	--	--
Sulfate	--	--	--	--	--	--
Dioxins/Furans						
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.0000002524	--	0.000072	0.0000045	0.004	0.06
Disinfectants						
Chlorine (as Cl2)	--	--	--	--	--	--
Disinfection Byproducts						
Total Trihalomethanes	--	--	--	--	--	--
Field Parameters						
Dissolved Oxygen	--	--	--	--	--	--
Oxidation Reduction Potential	--	--	--	--	--	--
pH	--	--	--	--	--	--
Salinity	--	--	--	--	--	--
Specific Conductance	--	--	--	--	--	--
Temperature	--	--	--	--	--	--
Total Dissolved Solids	--	--	--	--	--	--
Total Solids	86.2	--	--	--	--	--
Turbidity	--	--	--	--	--	--
Inorganics						
Aluminum	24000	86900	77000	--	0.3	--
Antimony	0.364	42.8	31	--	0.01	--
Arsenic	11.5	164	22	0.39	0.5	**29.5**
Barium	171	1813	15000	--	0.01	--
Beryllium	3.57	--	160	1400	0.02	0.003
Cadmium (Diet)	0.173	10.6	70	1800	0.002	0.00010

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR13

	Soil - mg/kg					
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	NonCancer	Cancer	NCEF	CEF
Cadmium (Water)	--	--	--	--	--	--
Chromium	3.35	579	--	--	--	--
Cobalt	3.13	36.6	--	--	--	--
Copper	14.4	3965	3100	--	0.005	--
Iron	12900	154600	55000	--	0.2	--
Lead	22.3	2052	400	--	0.06	--
Manganese (Diet)	455	5923	--	--	--	--
Manganese (Water)	--	--	1800	--	--	--
Mercury	--	2.66	6.7	--	--	--
Nickel	2.77	689	1600	--	0.002	--
Selenium	--	1.9	390	--	--	--
Silver	--	8.132	390	--	--	--
Thallium	1.12	69	5.1	--	0.2	--
Tin	1.96	--	47000	--	0.00004	--
Vanadium	29.7	187	550	--	0.05	--
Zinc	50.1	3211	23000	--	0.002	--
Microorganisms						
Fecal Coliform	--	--	--	--	--	--
Fecal Streptococcus	--	--	--	--	--	--
Heterotrophic Plate Count	--	--	--	--	--	--
Total Coliforms (including Fecal Coliform and E. Coli)	--	--	--	--	--	--
Pesticides						
4,4-DDD	--	--	--	2	--	--
4,4-DDE	--	--	--	1.4	--	--
4,4-DDT	--	--	36	1.7	--	--
Aldrin	--	--	1.8	0.029	--	--
alpha-BHC	--	--	--	0.077	--	--
alpha-Chlordane	--	--	--	--	--	--
beta-BHC	--	--	--	0.27	--	--
Chlordane	--	--	35	1.6	--	--
delta-BHC	--	--	--	--	--	--
Dieldrin	--	--	3.1	0.03	--	--
Endosulfan I	--	--	--	--	--	--
Endosulfan II	--	--	--	--	--	--
Endosulfan Sulfate	--	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR13

	Soil - mg/kg					
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	NonCancer	Cancer	NCEF	CEF
Endrin	--	--	18	--	--	--
Endrin Aldehyde	--	--	--	--	--	--
gamma-BHC (Lindane)	--	--	21	0.52	--	--
gamma-Chlordane	--	--	35	1.6	--	--
Heptachlor	--	--	31	0.11	--	--
Heptachlor Epoxide	--	--	0.79	0.053	--	--
Methoxychlor	--	--	310	--	--	--
Toxaphene	--	--	--	0.44	--	--
Polychlorinated bi-phenyls						
Aroclor 1016	--	--	3.9	6.3	--	--
Aroclor 1016/1260	--	--	3.9	0.22	--	--
Aroclor 1221	--	--	--	0.17	--	--
Aroclor 1232	--	--	--	0.17	--	--
Aroclor 1242	--	--	--	0.22	--	--
Aroclor 1248	--	--	--	0.22	--	--
Aroclor 1254	--	--	1.1	0.22	--	--
Aroclor 1260	--	--	--	0.22	--	--
Radionuclides						
Uranium	--	--	230	--	--	--
Semi-Volatile Organic Compounds						
1,1'-Biphenyl	--	--	3900	--	--	--
1,2,4,5-Tetrachlorobenzene	--	--	18	--	--	--
2,3,4,6-Tetrachlorophenol	--	--	1800	--	--	--
2,4,5-Trichlorophenol	--	--	6100	--	--	--
2,4,6-Trichlorophenol	--	--	61	44	--	--
2,4-Dichlorophenol	--	--	180	--	--	--
2,4-Dimethylphenol	--	--	1200	--	--	--
2,4-Dinitrophenol	--	--	120	--	--	--
2,4-Dinitrotoluene	--	--	120	--	--	--
2,6-Dichlorophenol	--	--	--	--	--	--
2,6-Dinitrotoluene	--	--	61	--	--	--
2-Chloronaphthalene	--	--	6300	--	--	--
2-Chlorophenol	--	--	390	--	--	--
2-Methylnaphthalene	--	--	310	--	--	--
2-Methylphenol (o-Cresol)	--	--	3100	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR13

	Soil - mg/kg					
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	NonCancer	Cancer	NCEF	CEF
2-Nitrophenol	--	--	--	--	--	--
3&4-Methylphenol	--	--	310	--	--	--
3-Methylphenol	--	--	3100	--	--	--
3-Nitroaniline	--	--	--	--	--	--
4,6-Dinitro-2-Methylphenol	--	--	--	--	--	--
4-Bromophenylphenylether	--	--	--	--	--	--
4-Chloro-3-Methylphenol	--	--	--	--	--	--
4-Chloroanaline	--	--	240	--	--	--
4-Methylphenol (p-Cresol)	--	--	310	--	--	--
4-Nitroaniline	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--
Acenaphthene	--	--	3400	--	--	--
Acenaphthylene	--	--	--	--	--	--
Aniline	--	--	430	85	--	--
Anthracene	--	--	17000	--	--	--
Atrazine	--	--	2100	2.1	--	--
Benzo(g,h,i)perylene	--	--	--	--	--	--
Bis(2-ethylhexyl)phthalate	--	--	1200	35	--	--
Butylbenzylphthalate	--	--	12000	--	--	--
Carbazole	--	--	--	24	--	--
Di-n-butylphthalate	--	--	6100	--	--	--
Di-n-octylphthalate	--	--	--	--	--	--
Dibenzofuran	--	--	--	--	--	--
Diethylphthalate	--	--	49000	--	--	--
Dimethylphthalate	--	--	--	--	--	--
Diphenylamine	--	--	1500	--	--	--
Fluoranthene	--	--	2300	--	--	--
Fluorene	--	--	2300	--	--	--
Hexachlorobenzene	--	--	49	0.3	--	--
Hexachlorobutadiene	--	--	61	6.2	--	--
Hexachlorocyclopentadiene	--	--	370	--	--	--
Hexachloroethane	--	--	61	35	--	--
Naphthalene	--	--	150	3.9	--	--
Nitrobenzene	--	--	31	--	--	--
o-Toluidine	--	--	--	2.7	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR13

Chemical	Soil - mg/kg					
	Maximum Detected Concentration	Naples, Italy Background (Maximum)	USEPA RSL 30-Year Exposure		USEPA RSL 30-Year Exposure	
			NonCancer	Cancer	NCEF	CEF
Pentachlorobenzene	--	--	49	--	--	--
Pentachloronitrobenzene	--	--	180	1.9	--	--
Pentachlorophenol	--	--	1400	3	--	--
Phenanthrene	--	--	--	--	--	--
Phenol	--	--	18000	--	--	--
Pyrene	--	--	1700	--	--	--
Total Carcinogenic PAHS (BaP TEQs)	--	--	--	0.015	--	--
Total Petroleum Hydrocarbon						
Tph (c03-c20)	--	--	--	--	--	--
Tph (c08-c40)	--	--	--	--	--	--
Volatile Organic Compounds						
1,1,1,2-Tetrachloroethane	--	--	2300	2	--	--
1,1,1-Trichloroethane	--	--	9000	--	--	--
1,1,2,2-Tetrachloroethane	--	--	--	0.59	--	--
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	--	43000	--	--	--
1,1,2-Trichloroethane	--	--	310	1.1	--	--
1,1-Dichloroethane	--	--	1100	3.4	--	--
1,1-Dichloroethene	--	--	250	--	--	--
1,2,3-Trichlorobenzene	--	--	--	--	--	--
1,2,3-Trichloropropane	--	--	470	0.091	--	--
1,2,4-Trichlorobenzene	--	--	780	180	--	--
1,2,4-Trimethylbenzene	--	--	67	--	--	--
1,2-Dibromo-3-Chloropropane	--	--	5.1	0.0056	--	--
1,2-Dibromoethane	--	--	79	0.034	--	--
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	--	--	--	--	--	--
1,2-Dichlorobenzene	--	--	2000	--	--	--
1,2-Dichloroethane	--	--	13000	0.45	--	--
1,2-Dichloropropane	--	--	17	0.93	--	--
1,3,5-Trimethylbenzene	--	--	--	--	--	--
1,3-Butadiene	--	--	2	0.077	--	--
1,3-Dichlorobenzene	--	--	--	--	--	--
1,3-Dichloropropane	--	--	1600	--	--	--
1,4-Dichlorobenzene	--	--	10000	2.6	--	--
2,2-Dichloropropane	--	--	--	--	--	--
2-Butanone (methyl ethyl ketone)	--	--	28000	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR13

	Soil - mg/kg					
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	NonCancer	Cancer	NCEF	CEF
2-Chlorotoluene	--	--	1600	--	--	--
2-Hexanone	--	--	--	--	--	--
4-Chlorotoluene	--	--	5500	--	--	--
4-Isopropyltoluene	--	--	--	--	--	--
4-Methyl-2-Pentanone	--	--	5300	--	--	--
Acetaldehyde	--	--	89	11	--	--
Acetone	--	--	61000	--	--	--
Acetonitrile	--	--	870	--	--	--
Acetophenone	--	--	7800	--	--	--
Acrolein	--	--	0.16	--	--	--
Acrylonitrile	--	--	14	0.24	--	--
Benzene	--	--	90	1.1	--	--
Bis(2-Chloroethyl)ether	--	--	--	0.19	--	--
Bis(chloromethyl)ether	--	--	--	0.00027	--	--
Bromochloromethane	--	--	--	--	--	--
Bromodichloromethane	--	--	1600	10	--	--
Bromoform	--	--	1200	61	--	--
Bromomethane	--	--	7.9	--	--	--
Carbon Disulfide	--	--	670	--	--	--
Carbon Tetrachloride	--	--	47	0.25	--	--
Chlorobenzene	--	--	310	--	--	--
Chloroethane	--	--	15000	--	--	--
Chloroform	--	--	220	0.3	--	--
Chloromethane	--	--	120	1.7	--	--
Chloroprene	--	--	8.6	--	--	--
cis-1,2-Dichloroethene	--	--	780	--	--	--
cis-1,3-Dichloropropene	--	--	--	--	--	--
Cyclohexane	--	--	7200	--	--	--
Dibromochloromethane	--	--	1200	5.8	--	--
Dibromomethane	--	--	780	--	--	--
Dichlorodifluoromethane (Freon 12)	--	--	190	--	--	--
Ethylbenzene	--	--	3600	5.7	--	--
Formaldehyde	--	--	12000	250000	--	--
Hexane	--	--	570	--	--	--
Isobutyl Alcohol	--	--	23000	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR13

	Soil - mg/kg					
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	NonCancer	Cancer	NCEF	CEF
Isophorone	--	--	12000	510	--	--
Isopropylbenzene	--	--	2200	--	--	--
m,p-Xylenes	--	--	600	--	--	--
Methyl Acetate	--	--	78000	--	--	--
Methyl tert-Butyl Ether	--	--	15000	39	--	--
Methylcyclohexane	--	--	3400	--	--	--
Methylene Chloride	--	--	1700	11	--	--
n-Butylbenzene	--	--	--	--	--	--
n-Propylbenzene	--	--	--	--	--	--
o-Xylene	--	--	5300	--	--	--
Pentachloroethane	--	--	--	--	--	--
sec-Butylbenzene	--	--	--	--	--	--
Styrene	--	--	6500	--	--	--
tert-Butylbenzene	--	--	--	--	--	--
Tetrachloroethene	--	--	380	0.57	--	--
Toluene	--	--	5000	--	--	--
trans-1,2-Dichloroethene	--	--	110	--	--	--
trans-1,3-Dichloropropene	--	--	--	--	--	--
Trans-1,4-Dichloro-2-Butene	--	--	--	--	--	--
Trichloroethene	--	--	--	2.8	--	--
Trichlorofluoromethane	--	--	800	--	--	--
Vinyl Acetate	--	--	990	--	--	--
Vinyl Chloride	--	--	74	0.06	--	--
Xylenes, Total	--	--	600	--	--	--
				TOTAL RISK	1.5	29.5
				BACKGROUND RISK	1.4	29.5
				INCREMENTAL RISK	0.03	0.06

-- = The chemical was not analyzed, not detected or no value was available.

CEF = Cancer exceedance factor. CEFs were calculated by dividing detected concentrations by cancer-based USEPA RSLs. A CEF of 1 corresponds to a cancer risk of 1x10^-6 (one in a million).

Naples, Italy Background (Maximum) = Cicchella, Domencio, et al. *Background and baseline concentration values of elements harmful to human health in the volcanic soils of the metorpolitan and provincial areas of Napoli (Italy).* Geochemistry: Exploration, Environment, Analysis Vol. 5 2005, pp.29-40.

NCEF = Noncancer exceedance factor. NCEFs were calculated by dividing detected concentrations by noncancer- based USEPA RSLs. An NCEF of 1 corresponds to a Hazard Index of 1.

RSL = Regional Screening Level

USEPA = United States Environmental Protection Agency

Fecal Coliform, Fecal Steptococcus and Total Coliforms (including Fecal Coliform and E. Coli) are reported in CFU/100 mL.

Heterotrophic Plate Count is reported in CFU/1 mL.

Risk calculations may appear to not add correctly due to rounding.

Total Risk = The risk for all chemicals.

Background Risk = The risk for chemicals (i.e., inorganic elements) that are present at concentrations less than or equal to the Naples, Italy Background (Maximum) concentrations.

Incremental Risk = The risk for chemicals that are not naturally occurring in the environment. The risk management category for this location (i.e., Acceptable or Unacceptable) is based on this risk.

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR13

	Soil Gas - mg/m3				
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	NonCancer	Cancer	NCEF	CEF
Alkane Hydrocarbon					
Octane	--	--	--	--	--
Pentadecane	--	--	--	--	--
Tridecane	--	--	--	--	--
Undecane	--	--	--	--	--
Anion					
Chloride	--	--	--	--	--
Cyanide	--	--	--	--	--
Fluoride	--	--	--	--	--
Nitrate (measured as NO3-)	--	--	--	--	--
Nitrite (measured as NO2-)	--	--	--	--	--
Phosphate	--	--	--	--	--
Sulfate	--	--	--	--	--
Dioxins/Furans					
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	--	--	0.00000000064	--	--
Disinfectants					
Chlorine (as Cl2)	--	--	--	--	--
Disinfection Byproducts					
Total Trihalomethanes	--	--	--	--	--
Field Parameters					
Dissolved Oxygen	--	--	--	--	--
Oxidation Reduction Potential	--	--	--	--	--
pH	--	--	--	--	--
Salinity	--	--	--	--	--
Specific Conductance	--	--	--	--	--
Temperature	--	--	--	--	--
Total Dissolved Solids	--	--	--	--	--
Total Solids	--	--	--	--	--
Turbidity	--	--	--	--	--
Inorganics					
Aluminum	--	0.052	--	--	--
Antimony	--	--	--	--	--
Arsenic	--	0.00031	0.0000057	--	--
Barium	--	0.0052	--	--	--
Beryllium	--	0.00021	0.00001	--	--
Cadmium (Diet)	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR13

	Soil Gas - mg/m3				
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	NonCancer	Cancer	NCEF	CEF
Cadmium (Water)	--	--	0.000014	--	--
Chromium	--	--	--	--	--
Cobalt	--	--	--	--	--
Copper	--	--	--	--	--
Iron	--	--	--	--	--
Lead	--	0.017	--	--	--
Manganese (Diet)	--	--	--	--	--
Manganese (Water)	--	0.00052	--	--	--
Mercury	--	0.0031	--	--	--
Nickel	--	--	--	--	--
Selenium	--	--	--	--	--
Silver	--	--	--	--	--
Thallium	--	--	--	--	--
Tin	--	--	--	--	--
Vanadium	--	--	--	--	--
Zinc	--	--	--	--	--
Microorganisms					
Fecal Coliform	--	--	--	--	--
Fecal Streptococcus	--	--	--	--	--
Heterotrophic Plate Count	--	--	--	--	--
Total Coliforms (including Fecal Coliform and E. Coli)	--	--	--	--	--
Pesticides					
4,4-DDD	--	--	--	--	--
4,4-DDE	--	--	--	--	--
4,4-DDT	--	--	0.00025	--	--
Aldrin	--	--	0.000005	--	--
alpha-BHC	--	--	0.000014	--	--
alpha-Chlordane	--	--	--	--	--
beta-BHC	--	--	0.000046	--	--
Chlordane	--	0.0073	0.00024	--	--
delta-BHC	--	--	--	--	--
Dieldrin	--	--	0.0000053	--	--
Endosulfan I	--	--	--	--	--
Endosulfan II	--	--	--	--	--
Endosulfan Sulfate	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR13

	Soil Gas - mg/m3				
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	NonCancer	Cancer	NCEF	CEF
Endrin	--	--	--	--	--
Endrin Aldehyde	--	--	--	--	--
gamma-BHC (Lindane)	--	--	0.000078	--	--
gamma-Chlordane	--	0.0073	0.00024	--	--
Heptachlor	--	--	0.000019	--	--
Heptachlor Epoxide	--	--	0.0000094	--	--
Methoxychlor	--	--	--	--	--
Toxaphene	--	--	0.000076	--	--
Polychlorinated bi-phenyls					
Aroclor 1016	--	--	0.0012	--	--
Aroclor 1016/1260	--	--	0.000043	--	--
Aroclor 1221	--	--	0.000043	--	--
Aroclor 1232	--	--	0.000043	--	--
Aroclor 1242	--	--	0.000043	--	--
Aroclor 1248	--	--	0.000043	--	--
Aroclor 1254	--	--	0.000043	--	--
Aroclor 1260	--	--	0.000043	--	--
Radionuclides					
Uranium	--	--	--	--	--
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	--	--	--	--	--
2,4,5-Trichlorophenol	--	--	--	--	--
2,4,6-Trichlorophenol	--	--	0.0078	--	--
2,4-Dichlorophenol	--	--	--	--	--
2,4-Dimethylphenol	--	--	--	--	--
2,4-Dinitrophenol	--	--	--	--	--
2,4-Dinitrotoluene	--	--	--	--	--
2,6-Dichlorophenol	--	--	--	--	--
2,6-Dinitrotoluene	--	--	--	--	--
2-Chloronaphthalene	--	--	--	--	--
2-Chlorophenol	--	--	--	--	--
2-Methylnaphthalene	--	--	--	--	--
2-Methylphenol (o-Cresol)	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR13

	Soil Gas - mg/m3				
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	NonCancer	Cancer	NCEF	CEF
2-Nitrophenol	--	--	--	--	--
3&4-Methylphenol	--	--	--	--	--
3-Methylphenol	--	--	--	--	--
3-Nitroaniline	--	--	--	--	--
4,6-Dinitro-2-Methylphenol	--	--	--	--	--
4-Bromophenylphenylether	--	--	--	--	--
4-Chloro-3-Methylphenol	--	--	--	--	--
4-Chloroanaline	--	--	--	--	--
4-Methylphenol (p-Cresol)	--	--	--	--	--
4-Nitroaniline	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--
Acenaphthene	--	--	--	--	--
Acenaphthylene	--	--	--	--	--
Aniline	--	0.01	--	--	--
Anthracene	--	--	--	--	--
Atrazine	--	--	--	--	--
Benzo(g,h,i)perylene	--	--	--	--	--
Bis(2-ethylhexyl)phthalate	--	--	--	--	--
Butylbenzylphthalate	--	--	--	--	--
Carbazole	--	--	--	--	--
Di-n-butylphthalate	--	--	--	--	--
Di-n-octylphthalate	--	--	--	--	--
Dibenzofuran	--	--	--	--	--
Diethylphthalate	--	--	--	--	--
Dimethylphthalate	--	--	--	--	--
Diphenylamine	--	--	--	--	--
Fluoranthene	--	--	--	--	--
Fluorene	--	--	--	--	--
Hexachlorobenzene	--	--	0.000053	--	--
Hexachlorobutadiene	--	--	0.0011	--	--
Hexachlorocyclopentadiene	--	0.0021	--	--	--
Hexachloroethane	--	--	0.0061	--	--
Naphthalene	--	0.031	0.00072	--	--
Nitrobenzene	--	0.021	--	--	--
o-Toluidine	--	--	0.00048	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR13

	Soil Gas - mg/m3				
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	NonCancer	Cancer	NCEF	CEF
Pentachlorobenzene	--	--	--	--	--
Pentachloronitrobenzene	--	--	--	--	--
Pentachlorophenol	--	--	--	--	--
Phenanthrene	--	--	--	--	--
Phenol	--	2.1	--	--	--
Pyrene	--	--	--	--	--
Total Carcinogenic PAHS (BaP TEQs)	--	--	0.0000087	--	--
Total Petroleum Hydrocarbon					
Tph (c03-c20)	1.783276626	--	--	--	--
Tph (c08-c40)	--	--	--	--	--
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	--	--	0.0033	--	--
1,1,1-Trichloroethane	--	52	--	--	--
1,1,2,2-Tetrachloroethane	--	--	0.00042	--	--
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	310	--	--	--
1,1,2-Trichloroethane	--	--	0.0015	--	--
1,1-Dichloroethane	--	5.2	0.015	--	--
1,1-Dichloroethene	--	2.1	--	--	--
1,2,3-Trichlorobenzene	--	--	--	--	--
1,2,3-Trichloropropane	--	--	--	--	--
1,2,4-Trichlorobenzene	--	--	--	--	--
1,2,4-Trimethylbenzene	--	0.073	--	--	--
1,2-Dibromo-3-Chloropropane	--	0.0021	0.0000016	--	--
1,2-Dibromoethane	--	0.094	0.000041	--	--
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	--	--	--	--	--
1,2-Dichlorobenzene	--	2.1	--	--	--
1,2-Dichloroethane	--	25	0.00094	--	--
1,2-Dichloropropane	--	0.042	0.0024	--	--
1,3,5-Trimethylbenzene	--	--	--	--	--
1,3-Butadiene	--	0.021	0.00081	--	--
1,3-Dichlorobenzene	--	--	--	--	--
1,3-Dichloropropane	--	--	--	--	--
1,4-Dichlorobenzene	--	8.299999999999999	0.0022	--	--
2,2-Dichloropropane	--	--	--	--	--
2-Butanone (methyl ethyl ketone)	--	52	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR13

	Soil Gas - mg/m3				
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	NonCancer	Cancer	NCEF	CEF
2-Chlorotoluene	--	--	--	--	--
2-Hexanone	--	--	--	--	--
4-Chlorotoluene	--	--	--	--	--
4-Isopropyltoluene	--	--	--	--	--
4-Methyl-2-Pentanone	--	31	--	--	--
Acetaldehyde	--	0.094	0.011	--	--
Acetone	--	320	--	--	--
Acetonitrile	--	0.63	--	--	--
Acetophenone	--	--	--	--	--
Acrolein	--	0.00021	--	--	--
Acrylonitrile	--	0.021	0.00036	--	--
Benzene	--	0.31	0.0031	--	--
Bis(2-Chloroethyl)ether	--	--	0.000074	--	--
Bis(chloromethyl)ether	--	--	0.00000039	--	--
Bromochloromethane	--	--	--	--	--
Bromodichloromethane	--	--	--	--	--
Bromoform	--	--	0.022	--	--
Bromomethane	--	0.052	--	--	--
Carbon Disulfide	--	7.3	--	--	--
Carbon Tetrachloride	--	2	0.0016	--	--
Chlorobenzene	--	0.52	--	--	--
Chloroethane	--	100	--	--	--
Chloroform	--	1	0.0011	--	--
Chloromethane	--	0.94	0.014	--	--
Chloroprene	--	0.073	--	--	--
cis-1,2-Dichloroethene	--	--	--	--	--
cis-1,3-Dichloropropene	--	--	--	--	--
Cyclohexane	--	63	--	--	--
Dibromochloromethane	--	--	--	--	--
Dibromomethane	--	--	--	--	--
Dichlorodifluoromethane (Freon 12)	--	2.1	--	--	--
Ethylbenzene	--	10	0.0097	--	--
Formaldehyde	--	0.1	0.0019	--	--
Hexane	--	7.3	--	--	--
Isobutyl Alcohol	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR13

	Soil Gas - mg/m3				
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	NonCancer	Cancer	NCEF	CEF
Isophorone	--	21	--	--	--
Isopropylbenzene	--	4.2	--	--	--
m,p-Xylenes	--	1	--	--	--
Methyl Acetate	--	--	--	--	--
Methyl tert-Butyl Ether	--	31	0.094	--	--
Methylcyclohexane	--	31	--	--	--
Methylene Chloride	--	11	0.052	--	--
n-Butylbenzene	--	--	--	--	--
n-Propylbenzene	--	--	--	--	--
o-Xylene	--	7.3	--	--	--
Pentachloroethane	--	--	--	--	--
sec-Butylbenzene	--	--	--	--	--
Styrene	--	10	--	--	--
tert-Butylbenzene	--	--	--	--	--
Tetrachloroethene	--	2.8	0.0041	--	--
Toluene	--	52	--	--	--
trans-1,2-Dichloroethene	--	0.63	--	--	--
trans-1,3-Dichloropropene	--	--	--	--	--
Trans-1,4-Dichloro-2-Butene	--	--	--	--	--
Trichloroethene	0.004016563	--	0.012	--	0.3
Trichlorofluoromethane	--	7.3	--	--	--
Vinyl Acetate	--	2.1	--	--	--
Vinyl Chloride	--	1	0.0016	--	--
Xylenes, Total	--	1	--	--	--
			TOTAL RISK	0	0.3
			BACKGROUND RISK	0	0
			INCREMENTAL RISK	0	0.3

-- = The chemical was not analyzed, not detected or no value was available.
CEF = Cancer exceedance factor. CEFs were calculated by dividing detected concentrations by cancer-based USEPA RSLs.
A CEF of 1 corresponds to a cancer risk of 1x10^-6 (one in a million).
NCEF = Noncancer exceedance factor. NCEFs were calculated by dividing detected concentrations by noncancer- based USEPA RSLs.
An NCEF of 1 corresponds to a Hazard Index of 1.
RSL = Regional Screening Level
USEPA = United States Environmental Protection Agency
Fecal Coliform, Fecal Steptococcus and Total Coliforms (including Fecal Coliform and E. Coli) are reported in CFU/100 mL.
Heterotrophic Plate Count is reported in CFU/1 mL.
Risk calculations may appear to not add correctly due to rounding.

Total Risk = The risk for all chemicals.
Background Risk = None of the volatile organic chemicals tested for in the soil gas samples are naturally occurring. Therefore, the background risk is zero.
Incremental Risk = The Total Risk. The risk management category for this location (i.e., Acceptable or Unacceptable) is based on this risk.

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR13

	Tap Water - mg/L										
			USEPA RSL					USEPA RSL			
			30-Year Exposure					30-Year Exposure			
			Inhalation		Ingestion			Inhalation		Ingestion	
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	NCEF	CEF	NCEF	CEF
Alkane Hydrocarbon											
Octane	--	--	--	--	--	--	--	--	--	--	--
Pentadecane	--	--	--	--	--	--	--	--	--	--	--
Tridecane	--	--	--	--	--	--	--	--	--	--	--
Undecane	--	--	--	--	--	--	--	--	--	--	--
Anion											
Chloride	9.26	--	--	--	--	--	--	--	--	--	--
Cyanide	--	0.2	--	--	0.73	--	--	--	--	--	--
Fluoride	--	4	--	--	--	--	--	--	--	--	--
Nitrate (measured as NO3-)	2.99	44.3	--	--	255.2	--	0.07	--	--	0.01	--
Nitrite (measured as NO2-)	--	3.29	--	--	12.21	--	--	--	--	--	--
Phosphate	--	--	--	--	--	--	--	--	--	--	--
Sulfate	6.75	--	--	--	--	--	--	--	--	--	--
Dioxins/Furans											
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.000000000056	0.00000003	--	--	0.000000037	0.0000000005	0.002	--	--	0.002	0.1
Disinfectants											
Chlorine (as Cl2)	0.08	4.01	--	--	--	--	0.02	--	--	--	--
Disinfection Byproducts											
Total Trihalomethanes	0.001663	0.0807	--	--	--	--	0.02	--	--	--	--
Field Parameters											
Dissolved Oxygen	822	--	--	--	--	--	--	--	--	--	--
Oxidation Reduction Potential	581	--	--	--	--	--	--	--	--	--	--
pH	7.28	--	--	--	--	--	--	--	--	--	--
Salinity	--	--	--	--	--	--	--	--	--	--	--
Specific Conductance	0.67	--	--	--	--	--	--	--	--	--	--
Temperature	27.2	--	--	--	--	--	--	--	--	--	--
Total Dissolved Solids	--	--	--	--	--	--	--	--	--	--	--
Total Solids	--	--	--	--	--	--	--	--	--	--	--
Turbidity	--	--	--	--	--	--	--	--	--	--	--
Inorganics											
Aluminum	--	--	--	--	37	--	--	--	--	--	--
Antimony	0.000155	0.006	--	--	0.015	--	0.03	--	--	0.01	--
Arsenic	0.00193	0.01	--	--	0.011	0.000045	0.2	--	--	0.2	**42.9**
Barium	0.0139	2	--	--	7.3	--	0.007	--	--	0.002	--
Beryllium	--	0.004	--	--	0.073	--	--	--	--	--	--
Cadmium (Diet)	--	--	--	--	--	--	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR13

	Tap Water - mg/L										
			USEPA RSL					USEPA RSL			
			30-Year Exposure					30-Year Exposure			
			Inhalation		Ingestion			Inhalation		Ingestion	
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	NCEF	CEF	NCEF	CEF
Cadmium (Water)	0.000154	0.005	--	--	0.018	--	0.03	--	--	0.009	--
Chromium	0.000565	0.1	--	--	--	--	0.006	--	--	--	--
Cobalt	0.0001	--	--	--	--	--	--	--	--	--	--
Copper	0.416	--	--	--	1.5	--	--	--	--	0.3	--
Iron	0.0469	--	--	--	26	--	--	--	--	0.002	--
Lead	0.00527	--	--	--	0.02	--	--	--	--	0.3	--
Manganese (Diet)	--	--	--	--	--	--	--	--	--	--	--
Manganese (Water)	0.00338	--	--	--	0.88	--	--	--	--	0.004	--
Mercury	--	0.002	0.00063	--	--	--	--	--	--	--	--
Nickel	0.0418	--	--	--	0.73	--	--	--	--	0.06	--
Selenium	--	0.05	--	--	0.18	--	--	--	--	--	--
Silver	--	--	--	--	0.18	--	--	--	--	--	--
Thallium	--	0.002	--	--	0.0024	--	--	--	--	--	--
Tin	--	--	--	--	22	--	--	--	--	--	--
Vanadium	--	--	--	--	0.26	--	--	--	--	--	--
Zinc	1.57	--	--	--	11	--	--	--	--	0.1	--
Microorganisms											
Fecal Coliform	--	0	--	--	--	--	--	--	--	--	--
Fecal Streptococcus	0	--	--	--	--	--	--	--	--	--	--
Heterotrophic Plate Count	2	--	--	--	--	--	--	--	--	--	--
Total Coliforms (including Fecal Coliform and E. Coli)	--	0	--	--	--	--	--	--	--	--	--
Pesticides											
4,4-DDD	--	--	--	--	--	0.00028	--	--	--	--	--
4,4-DDE	--	--	--	--	--	0.0002	--	--	--	--	--
4,4-DDT	--	--	--	--	0.018	0.0002	--	--	--	--	--
Aldrin	--	--	--	--	0.0011	0.000004	--	--	--	--	--
alpha-BHC	--	--	--	--	--	0.000011	--	--	--	--	--
alpha-Chlordane	--	0.002	--	--	--	--	--	--	--	--	--
beta-BHC	--	--	--	--	--	0.000037	--	--	--	--	--
Chlordane	--	0.002	--	--	0.018	0.00019	--	--	--	--	--
delta-BHC	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	--	--	--	--	0.0018	0.0000042	--	--	--	--	--
Endosulfan I	--	--	--	--	--	--	--	--	--	--	--
Endosulfan II	--	--	--	--	--	--	--	--	--	--	--
Endosulfan Sulfate	--	--	--	--	--	--	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR13

	Tap Water - mg/L										
			USEPA RSL					USEPA RSL			
			30-Year Exposure					30-Year Exposure			
			Inhalation		Ingestion			Inhalation		Ingestion	
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	NCEF	CEF	NCEF	CEF
Endrin	--	0.002	--	--	0.011	--	--	--	--	--	--
Endrin Aldehyde	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC (Lindane)	--	0.0002	--	--	0.011	0.000061	--	--	--	--	--
gamma-Chlordane	--	0.002	--	--	0.018	0.00019	--	--	--	--	--
Heptachlor	--	0.0004	--	--	0.018	0.000015	--	--	--	--	--
Heptachlor Epoxide	--	0.0002	--	--	0.00047	0.0000074	--	--	--	--	--
Methoxychlor	--	0.04	--	--	0.18	--	--	--	--	--	--
Toxaphene	--	0.003	--	--	--	0.000061	--	--	--	--	--
Polychlorinated bi-phenyls											
Aroclor 1016	--	--	--	--	0.0026	0.00096	--	--	--	--	--
Aroclor 1016/1260	--	--	--	--	0.0026	0.000034	--	--	--	--	--
Aroclor 1221	--	--	--	0.0000085	--	0.000034	--	--	--	--	--
Aroclor 1232	--	--	--	0.0000085	--	0.000034	--	--	--	--	--
Aroclor 1242	--	--	--	--	--	0.000034	--	--	--	--	--
Aroclor 1248	--	--	--	--	--	0.000034	--	--	--	--	--
Aroclor 1254	--	--	--	--	0.00073	0.000034	--	--	--	--	--
Aroclor 1260	--	--	--	--	--	0.000034	--	--	--	--	--
Radionuclides											
Uranium	0.000452	0.03	--	--	0.11	--	0.02	--	--	0.004	--
Semi-Volatile Organic Compounds											
1,1'-Biphenyl	--	--	--	--	1.8	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	--	--	--	--	0.011	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	--	--	--	--	1.1	--	--	--	--	--	--
2,4,5-Trichlorophenol	--	--	--	--	3.7	--	--	--	--	--	--
2,4,6-Trichlorophenol	--	--	--	--	0.037	0.0061	--	--	--	--	--
2,4-Dichlorophenol	--	--	--	--	0.11	--	--	--	--	--	--
2,4-Dimethylphenol	--	--	--	--	0.73	--	--	--	--	--	--
2,4-Dinitrophenol	--	--	--	--	0.073	--	--	--	--	--	--
2,4-Dinitrotoluene	--	--	--	--	0.073	--	--	--	--	--	--
2,6-Dichlorophenol	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	--	--	--	--	0.037	--	--	--	--	--	--
2-Chloronaphthalene	--	--	--	--	2.9	--	--	--	--	--	--
2-Chlorophenol	--	--	--	--	0.18	--	--	--	--	--	--
2-Methylnaphthalene	--	--	--	--	0.15	--	--	--	--	--	--
2-Methylphenol (o-Cresol)	--	--	--	--	1.8	--	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR13

	Tap Water - mg/L										
			USEPA RSL					USEPA RSL			
			30-Year Exposure					30-Year Exposure			
			Inhalation		Ingestion			Inhalation		Ingestion	
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	NCEF	CEF	NCEF	CEF
2-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--
3&4-Methylphenol	--	--	--	--	0.18	--	--	--	--	--	--
3-Methylphenol	--	--	--	--	1.8	--	--	--	--	--	--
3-Nitroaniline	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-Methylphenol	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenylphenylether	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-Methylphenol	--	--	--	--	--	--	--	--	--	--	--
4-Chloroanaline	--	--	--	--	0.15	--	--	--	--	--	--
4-Methylphenol (p-Cresol)	--	--	--	--	0.18	--	--	--	--	--	--
4-Nitroaniline	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	--	--	--	--	2.2	--	--	--	--	--	--
Acenaphthylene	--	--	--	--	--	--	--	--	--	--	--
Aniline	--	--	--	--	0.26	0.012	--	--	--	--	--
Anthracene	--	--	--	--	11	--	--	--	--	--	--
Atrazine	--	0.003	--	--	1.3	0.00029	--	--	--	--	--
Benzo(g,h,i)perylene	--	--	--	--	--	--	--	--	--	--	--
Bis(2-ethylhexyl)phthalate	--	0.006	--	--	0.73	0.0048	--	--	--	--	--
Butylbenzylphthalate	--	--	--	--	7.3	--	--	--	--	--	--
Carbazole	--	--	--	--	--	0.0034	--	--	--	--	--
Di-n-butylphthalate	--	--	--	--	3.7	--	--	--	--	--	--
Di-n-octylphthalate	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	--	--	--	--	--	--	--	--	--	--	--
Diethylphthalate	--	--	--	--	29	--	--	--	--	--	--
Dimethylphthalate	--	--	--	--	--	--	--	--	--	--	--
Diphenylamine	--	--	--	--	0.91	--	--	--	--	--	--
Fluoranthene	--	--	--	--	1.5	--	--	--	--	--	--
Fluorene	--	--	--	--	1.5	--	--	--	--	--	--
Hexachlorobenzene	--	0.001	--	--	0.029	0.000042	--	--	--	--	--
Hexachlorobutadiene	--	--	--	--	0.037	0.00086	--	--	--	--	--
Hexachlorocyclopentadiene	--	0.05	--	--	0.22	--	--	--	--	--	--
Hexachloroethane	--	--	--	--	0.037	0.0048	--	--	--	--	--
Naphthalene	--	--	0.0063	0.00014	0.73	--	--	--	--	--	--
Nitrobenzene	--	--	0.0042	--	0.018	--	--	--	--	--	--
o-Toluidine	--	--	--	--	--	0.00037	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR13

	Tap Water - mg/L										
			USEPA RSL					USEPA RSL			
			30-Year Exposure					30-Year Exposure			
			Inhalation		Ingestion			Inhalation		Ingestion	
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	NCEF	CEF	NCEF	CEF
Pentachlorobenzene	--	--	--	--	0.029	--	--	--	--	--	--
Pentachloronitrobenzene	--	--	--	--	0.11	0.00026	--	--	--	--	--
Pentachlorophenol	--	0.001	--	--	1.1	0.00056	--	--	--	--	--
Phenanthrene	--	--	--	--	--	--	--	--	--	--	--
Phenol	--	--	--	--	11	--	--	--	--	--	--
Pyrene	--	--	--	--	1.1	--	--	--	--	--	--
Total Carcinogenic PAHS (BaP TEQs)	--	0.0002	--	--	--	0.0000029	--	--	--	--	--
Total Petroleum Hydrocarbon											
Tph (c03-c20)	--	--	--	--	--	--	--	--	--	--	--
Tph (c08-c40)	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds											
1,1,1,2-Tetrachloroethane	--	--	--	0.00066	1.1	0.0026	--	--	--	--	--
1,1,1-Trichloroethane	--	0.2	10	--	73	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	--	--	--	0.000084	--	0.00034	--	--	--	--	--
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	--	63	--	1100	--	--	--	--	--	--
1,1,2-Trichloroethane	--	0.005	--	0.0003	0.15	0.0012	--	--	--	--	--
1,1-Dichloroethane	--	--	1	0.003	7.3	0.012	--	--	--	--	--
1,1-Dichloroethene	--	0.007	0.42	--	1.8	--	--	--	--	--	--
1,2,3-Trichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	--	--	--	--	0.22	0.0000096	--	--	--	--	--
1,2,4-Trichlorobenzene	--	0.07	--	--	0.37	0.019	--	--	--	--	--
1,2,4-Trimethylbenzene	--	--	0.015	--	--	--	--	--	--	--	--
1,2-Dibromo-3-Chloropropane	--	0.0002	0.00042	0.00000032	0.0073	0.000027	--	--	--	--	--
1,2-Dibromoethane	--	0.00005	0.019	0.0000081	0.33	0.000034	--	--	--	--	--
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	--	0.6	0.42	--	3.3	--	--	--	--	--	--
1,2-Dichloroethane	--	0.005	5.1	0.00019	--	0.00074	--	--	--	--	--
1,2-Dichloropropane	--	0.005	0.0083	0.00049	--	0.0019	--	--	--	--	--
1,3,5-Trimethylbenzene	--	--	--	--	--	--	--	--	--	--	--
1,3-Butadiene	--	--	0.0042	0.00016	--	--	--	--	--	--	--
1,3-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	--	--	--	--	0.73	--	--	--	--	--	--
1,4-Dichlorobenzene	--	0.075	1.7	0.00044	--	0.012	--	--	--	--	--
2,2-Dichloropropane	--	--	--	--	--	--	--	--	--	--	--
2-Butanone (methyl ethyl ketone)	--	--	10	--	22	--	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR13

	Tap Water - mg/L										
			USEPA RSL					USEPA RSL			
			30-Year Exposure					30-Year Exposure			
			Inhalation		Ingestion			Inhalation		Ingestion	
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	NCEF	CEF	NCEF	CEF
2-Chlorotoluene	--	--	--	--	0.73	--	--	--	--	--	--
2-Hexanone	--	--	--	--	--	--	--	--	--	--	--
4-Chlorotoluene	--	--	--	--	2.6	--	--	--	--	--	--
4-Isopropyltoluene	--	--	--	--	--	--	--	--	--	--	--
4-Methyl-2-Pentanone	--	--	6.3	--	2.9	--	--	--	--	--	--
Acetaldehyde	--	--	0.019	0.0022	--	--	--	--	--	--	--
Acetone	--	--	64	--	33	--	--	--	--	--	--
Acetonitrile	--	--	0.13	--	--	--	--	--	--	--	--
Acetophenone	--	--	--	--	3.7	--	--	--	--	--	--
Acrolein	--	--	0.000042	--	0.018	--	--	--	--	--	--
Acrylonitrile	--	--	0.0042	0.000072	0.037	0.00012	--	--	--	--	--
Benzene	--	0.005	0.063	0.00062	0.15	0.0012	--	--	--	--	--
Bis(2-Chloroethyl)ether	--	--	--	0.000015	--	0.000061	--	--	--	--	--
Bis(chloromethyl)ether	--	--	--	0.000000078	--	0.00000031	--	--	--	--	--
Bromochloromethane	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	0.000251	--	--	--	0.73	0.0011	--	--	--	0.0003	0.2
Bromoform	0.000983	--	--	--	0.73	0.0085	--	--	--	0.001	0.1
Bromomethane	--	--	0.01	--	0.051	--	--	--	--	--	--
Carbon Disulfide	--	--	1.5	--	3.7	--	--	--	--	--	--
Carbon Tetrachloride	--	0.005	0.39	0.00032	0.026	0.00052	--	--	--	--	--
Chlorobenzene	--	0.1	0.1	--	0.73	--	--	--	--	--	--
Chloroethane	--	--	21	--	--	--	--	--	--	--	--
Chloroform	--	--	0.2	0.00021	0.37	0.0022	--	--	--	--	--
Chloromethane	0.000279	--	0.19	0.0027	--	0.0052	--	0.001	0.1	--	0.05
Chloroprene	--	--	0.015	--	0.73	--	--	--	--	--	--
cis-1,2-Dichloroethene	--	0.07	--	--	0.37	--	--	--	--	--	--
cis-1,3-Dichloropropene	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	--	--	13	--	--	--	--	--	--	--	--
Dibromochloromethane	0.000429	--	--	--	0.73	0.0008	--	--	--	0.0006	0.5
Dibromomethane	--	--	--	--	0.37	--	--	--	--	--	--
Dichlorodifluoromethane (Freon 12)	--	--	0.42	--	7.3	--	--	--	--	--	--
Ethylbenzene	--	0.7	2.1	0.0019	3.7	0.0061	--	--	--	--	--
Formaldehyde	--	--	--	--	7.3	--	--	--	--	--	--
Hexane	--	--	1.5	--	2.2	--	--	--	--	--	--
Isobutyl Alcohol	--	--	--	--	11	--	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR13

	Tap Water - mg/L										
			USEPA RSL					USEPA RSL			
			30-Year Exposure					30-Year Exposure			
			Inhalation		Ingestion			Inhalation		Ingestion	
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	NCEF	CEF	NCEF	CEF
Isophorone	--	--	--	--	7.3	0.071	--	--	--	--	--
Isopropylbenzene	--	--	0.83	--	3.7	--	--	--	--	--	--
m,p-Xylenes	--	--	0.21	--	7.3	--	--	--	--	--	--
Methyl Acetate	--	--	--	--	37	--	--	--	--	--	--
Methyl tert-Butyl Ether	--	--	6.3	0.019	--	0.037	--	--	--	--	--
Methylcyclohexane	--	--	6.3	--	--	--	--	--	--	--	--
Methylene Chloride	--	0.005	2.2	0.01	2.2	0.009	--	--	--	--	--
n-Butylbenzene	--	--	--	--	--	--	--	--	--	--	--
n-Propylbenzene	--	--	--	--	--	--	--	--	--	--	--
o-Xylene	--	--	1.5	--	73	--	--	--	--	--	--
Pentachloroethane	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	--	--	--	--	--	--	--	--	--	--	--
Styrene	--	0.1	2.1	--	7.3	--	--	--	--	--	--
tert-Butylbenzene	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	--	0.005	0.57	0.00082	0.37	0.00012	--	--	--	--	--
Toluene	--	1	10	--	2.9	--	--	--	--	--	--
trans-1,2-Dichloroethene	--	0.1	0.13	--	0.73	--	--	--	--	--	--
trans-1,3-Dichloropropene	--	--	--	--	--	--	--	--	--	--	--
Trans-1,4-Dichloro-2-Butene	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	--	0.005	--	0.0024	--	0.0052	--	--	--	--	--
Trichlorofluoromethane	--	--	1.5	--	11	--	--	--	--	--	--
Vinyl Acetate	--	--	0.42	--	37	--	--	--	--	--	--
Vinyl Chloride	--	0.002	0.21	0.00032	0.11	0.000017	--	--	--	--	--
Xylenes, Total	--	10	0.21	--	7.3	--	--	--	--	--	--
							TOTAL RISK	0.001	0.1	1.0	43.9
							BACKGROUND RISK	0	0	0.4	42.9
							INCREMENTAL RISK	0.001	0.1	0.6	1.0

-- = The chemical was not analyzed, not detected or no value was available.
CEF = Cancer exceedance factor. CEFs were calculated by dividing detected concentrations by cancer-based USEPA RSLs.
A CEF of 1 corresponds to a cancer risk of 1x10^-6 (one in a million).
NCEF = Noncancer exceedance factor. NCEFs were calculated by dividing detected concentrations by noncancer-based USEPA RSLs.
An NCEF of 1 corresponds to a Hazard Index of 1.
RSL = Regional Screening Level
USEPA = United States Environmental Protection Agency
USEPA MCL EF = USEPA Maximum Contaminant Level Exceedance Factor. USEPA MCL EFs were calculated by dividing detected concentrations by the USEPA MCLs.
USEPA MCL = USEPA Maximum Contaminant Levels (http://www.epa.gov/ogwdw/contaminants/index.html).
Fecal Coliform, Fecal Steptococcus and Total Coliforms (including Fecal Coliform and E. Coli) are reported in CFU/100 mL (CFU = colony forming units).
Heterotrophic Plate Count is reported in CFU/1 mL.
Risk calculations may appear to not add correctly due to rounding.

Total Risk = The risk for all chemicals.
Background Risk = The risk for chemicals (i.e., inorganic elements) that are naturally occurring in the environment but does not include lead, copper and thallium.
Incremental Risk = The risk for chemicals that are not naturally occurring in the environment. The risk management category for this location
(i.e., Acceptable or Unacceptable) is based on this risk. This includes lead, copper and thallium.
The ingestion exceedance factors are presented for informational purposes only. The risk-management decision (i.e., Acceptable or Unacceptable) will be made
based on inhalation because the Navy leadership has stated that all personnel should be using bottled water for drinking, cooking, and brushing teeth.

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR16

	Soil - mg/kg					
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	NonCancer	Cancer	NCEF	CEF
Alkane Hydrocarbon						
Octane	--	--	--	--	--	--
Pentadecane	--	--	--	--	--	--
Tridecane	--	--	--	--	--	--
Undecane	--	--	--	--	--	--
Anion						
Chloride	--	--	--	--	--	--
Cyanide	--	--	1600	--	--	--
Fluoride	--	--	--	--	--	--
Nitrate (measured as NO3-)	--	--	572000	--	--	--
Nitrite (measured as NO2-)	--	--	25740	--	--	--
Phosphate	--	--	--	--	--	--
Sulfate	--	--	--	--	--	--
Dioxins/Furans						
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.0000005611	--	0.000072	0.0000045	0.008	0.1
Disinfectants						
Chlorine (as Cl2)	--	--	--	--	--	--
Disinfection Byproducts						
Total Trihalomethanes	--	--	--	--	--	--
Field Parameters						
Dissolved Oxygen	--	--	--	--	--	--
Oxidation Reduction Potential	--	--	--	--	--	--
pH	--	--	--	--	--	--
Salinity	--	--	--	--	--	--
Specific Conductance	--	--	--	--	--	--
Temperature	--	--	--	--	--	--
Total Dissolved Solids	--	--	--	--	--	--
Total Solids	83.8	--	--	--	--	--
Turbidity	--	--	--	--	--	--
Inorganics						
Aluminum	35900	86900	77000	--	0.5	--
Antimony	0.478	42.8	31	--	0.02	--
Arsenic	12.9	164	22	0.39	0.6	**33.1**
Barium	274	1813	15000	--	0.02	--
Beryllium	4.73	--	160	1400	0.03	0.003
Cadmium (Diet)	0.219	10.6	70	1800	0.003	0.0001

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR16

	Soil - mg/kg					
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	NonCancer	Cancer	NCEF	CEF
Cadmium (Water)	--	--	--	--	--	--
Chromium	3.83	579	--	--	--	--
Cobalt	4.73	36.6	--	--	--	--
Copper	24.6	3965	3100	--	0.008	--
Iron	18600	154600	55000	--	0.3	--
Lead	34.5	2052	400	--	0.09	--
Manganese (Diet)	615	5923	--	--	--	--
Manganese (Water)	--	--	1800	--	--	--
Mercury	0.226	2.66	6.7	--	0.03	--
Nickel	4.71	689	1600	--	0.003	--
Selenium	--	1.9	390	--	--	--
Silver	--	8.132	390	--	--	--
Thallium	1.5	69	5.1	--	0.3	--
Tin	2.65	--	47000	--	0.00006	--
Vanadium	38.5	187	550	--	0.07	--
Zinc	68.5	3211	23000	--	0.003	--
Microorganisms						
Fecal Coliform	--	--	--	--	--	--
Fecal Streptococcus	--	--	--	--	--	--
Heterotrophic Plate Count	--	--	--	--	--	--
Total Coliforms (including Fecal Coliform and E. Coli)	--	--	--	--	--	--
Pesticides						
4,4-DDD	--	--	--	2	--	--
4,4-DDE	--	--	--	1.4	--	--
4,4-DDT	--	--	36	1.7	--	--
Aldrin	--	--	1.8	0.029	--	--
alpha-BHC	--	--	--	0.077	--	--
alpha-Chlordane	--	--	--	--	--	--
beta-BHC	--	--	--	0.27	--	--
Chlordane	--	--	35	1.6	--	--
delta-BHC	--	--	--	--	--	--
Dieldrin	--	--	3.1	0.03	--	--
Endosulfan I	--	--	--	--	--	--
Endosulfan II	--	--	--	--	--	--
Endosulfan Sulfate	--	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR16

	Soil - mg/kg					
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	NonCancer	Cancer	NCEF	CEF
Endrin	--	--	18	--	--	--
Endrin Aldehyde	--	--	--	--	--	--
gamma-BHC (Lindane)	--	--	21	0.52	--	--
gamma-Chlordane	--	--	35	1.6	--	--
Heptachlor	--	--	31	0.11	--	--
Heptachlor Epoxide	--	--	0.79	0.053	--	--
Methoxychlor	--	--	310	--	--	--
Toxaphene	--	--	--	0.44	--	--
Polychlorinated bi-phenyls						
Aroclor 1016	--	--	3.9	6.3	--	--
Aroclor 1016/1260	--	--	3.9	0.22	--	--
Aroclor 1221	--	--	--	0.17	--	--
Aroclor 1232	--	--	--	0.17	--	--
Aroclor 1242	--	--	--	0.22	--	--
Aroclor 1248	--	--	--	0.22	--	--
Aroclor 1254	--	--	1.1	0.22	--	--
Aroclor 1260	--	--	--	0.22	--	--
Radionuclides						
Uranium	--	--	230	--	--	--
Semi-Volatile Organic Compounds						
1,1'-Biphenyl	--	--	3900	--	--	--
1,2,4,5-Tetrachlorobenzene	--	--	18	--	--	--
2,3,4,6-Tetrachlorophenol	--	--	1800	--	--	--
2,4,5-Trichlorophenol	--	--	6100	--	--	--
2,4,6-Trichlorophenol	--	--	61	44	--	--
2,4-Dichlorophenol	--	--	180	--	--	--
2,4-Dimethylphenol	--	--	1200	--	--	--
2,4-Dinitrophenol	--	--	120	--	--	--
2,4-Dinitrotoluene	--	--	120	--	--	--
2,6-Dichlorophenol	--	--	--	--	--	--
2,6-Dinitrotoluene	--	--	61	--	--	--
2-Chloronaphthalene	--	--	6300	--	--	--
2-Chlorophenol	--	--	390	--	--	--
2-Methylnaphthalene	--	--	310	--	--	--
2-Methylphenol (o-Cresol)	--	--	3100	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR16

	Soil - mg/kg					
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	NonCancer	Cancer	NCEF	CEF
2-Nitrophenol	--	--	--	--	--	--
3&4-Methylphenol	--	--	310	--	--	--
3-Methylphenol	--	--	3100	--	--	--
3-Nitroaniline	--	--	--	--	--	--
4,6-Dinitro-2-Methylphenol	--	--	--	--	--	--
4-Bromophenylphenylether	--	--	--	--	--	--
4-Chloro-3-Methylphenol	--	--	--	--	--	--
4-Chloroanaline	--	--	240	--	--	--
4-Methylphenol (p-Cresol)	--	--	310	--	--	--
4-Nitroaniline	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--
Acenaphthene	--	--	3400	--	--	--
Acenaphthylene	--	--	--	--	--	--
Aniline	--	--	430	85	--	--
Anthracene	--	--	17000	--	--	--
Atrazine	--	--	2100	2.1	--	--
Benzo(g,h,i)perylene	--	--	--	--	--	--
Bis(2-ethylhexyl)phthalate	--	--	1200	35	--	--
Butylbenzylphthalate	--	--	12000	--	--	--
Carbazole	--	--	--	24	--	--
Di-n-butylphthalate	--	--	6100	--	--	--
Di-n-octylphthalate	--	--	--	--	--	--
Dibenzofuran	--	--	--	--	--	--
Diethylphthalate	--	--	49000	--	--	--
Dimethylphthalate	--	--	--	--	--	--
Diphenylamine	--	--	1500	--	--	--
Fluoranthene	--	--	2300	--	--	--
Fluorene	--	--	2300	--	--	--
Hexachlorobenzene	--	--	49	0.3	--	--
Hexachlorobutadiene	--	--	61	6.2	--	--
Hexachlorocyclopentadiene	--	--	370	--	--	--
Hexachloroethane	--	--	61	35	--	--
Naphthalene	--	--	150	3.9	--	--
Nitrobenzene	--	--	31	--	--	--
o-Toluidine	--	--	--	2.7	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR16

	Soil - mg/kg					
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	NonCancer	Cancer	NCEF	CEF
Pentachlorobenzene	--	--	49	--	--	--
Pentachloronitrobenzene	--	--	180	1.9	--	--
Pentachlorophenol	--	--	1400	3	--	--
Phenanthrene	--	--	--	--	--	--
Phenol	--	--	18000	--	--	--
Pyrene	--	--	1700	--	--	--
Total Carcinogenic PAHS (BaP TEQs)	--	--	--	0.015	--	--
Total Petroleum Hydrocarbon						
Tph (c03-c20)	--	--	--	--	--	--
Tph (c08-c40)	--	--	--	--	--	--
Volatile Organic Compounds						
1,1,1,2-Tetrachloroethane	--	--	2300	2	--	--
1,1,1-Trichloroethane	--	--	9000	--	--	--
1,1,2,2-Tetrachloroethane	--	--	--	0.59	--	--
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	--	43000	--	--	--
1,1,2-Trichloroethane	--	--	310	1.1	--	--
1,1-Dichloroethane	--	--	1100	3.4	--	--
1,1-Dichloroethene	--	--	250	--	--	--
1,2,3-Trichlorobenzene	--	--	--	--	--	--
1,2,3-Trichloropropane	--	--	470	0.091	--	--
1,2,4-Trichlorobenzene	--	--	780	180	--	--
1,2,4-Trimethylbenzene	--	--	67	--	--	--
1,2-Dibromo-3-Chloropropane	--	--	5.1	0.0056	--	--
1,2-Dibromoethane	--	--	79	0.034	--	--
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	--	--	--	--	--	--
1,2-Dichlorobenzene	--	--	2000	--	--	--
1,2-Dichloroethane	--	--	13000	0.45	--	--
1,2-Dichloropropane	--	--	17	0.93	--	--
1,3,5-Trimethylbenzene	--	--	--	--	--	--
1,3-Butadiene	--	--	2	0.077	--	--
1,3-Dichlorobenzene	--	--	--	--	--	--
1,3-Dichloropropane	--	--	1600	--	--	--
1,4-Dichlorobenzene	--	--	10000	2.6	--	--
2,2-Dichloropropane	--	--	--	--	--	--
2-Butanone (methyl ethyl ketone)	--	--	28000	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR16

	Soil - mg/kg					
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	NonCancer	Cancer	NCEF	CEF
2-Chlorotoluene	--	--	1600	--	--	--
2-Hexanone	--	--	--	--	--	--
4-Chlorotoluene	--	--	5500	--	--	--
4-Isopropyltoluene	--	--	--	--	--	--
4-Methyl-2-Pentanone	--	--	5300	--	--	--
Acetaldehyde	--	--	89	11	--	--
Acetone	--	--	61000	--	--	--
Acetonitrile	--	--	870	--	--	--
Acetophenone	--	--	7800	--	--	--
Acrolein	--	--	0.16	--	--	--
Acrylonitrile	--	--	14	0.24	--	--
Benzene	--	--	90	1.1	--	--
Bis(2-Chloroethyl)ether	--	--	--	0.19	--	--
Bis(chloromethyl)ether	--	--	--	0.00027	--	--
Bromochloromethane	--	--	--	--	--	--
Bromodichloromethane	--	--	1600	10	--	--
Bromoform	--	--	1200	61	--	--
Bromomethane	--	--	7.9	--	--	--
Carbon Disulfide	--	--	670	--	--	--
Carbon Tetrachloride	--	--	47	0.25	--	--
Chlorobenzene	--	--	310	--	--	--
Chloroethane	--	--	15000	--	--	--
Chloroform	--	--	220	0.3	--	--
Chloromethane	--	--	120	1.7	--	--
Chloroprene	--	--	8.6	--	--	--
cis-1,2-Dichloroethene	--	--	780	--	--	--
cis-1,3-Dichloropropene	--	--	--	--	--	--
Cyclohexane	--	--	7200	--	--	--
Dibromochloromethane	--	--	1200	5.8	--	--
Dibromomethane	--	--	780	--	--	--
Dichlorodifluoromethane (Freon 12)	--	--	190	--	--	--
Ethylbenzene	--	--	3600	5.7	--	--
Formaldehyde	--	--	12000	250000	--	--
Hexane	--	--	570	--	--	--
Isobutyl Alcohol	--	--	23000	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR16

	Soil - mg/kg					
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	NonCancer	Cancer	NCEF	CEF
Isophorone	--	--	12000	510	--	--
Isopropylbenzene	--	--	2200	--	--	--
m,p-Xylenes	--	--	600	--	--	--
Methyl Acetate	--	--	78000	--	--	--
Methyl tert-Butyl Ether	--	--	15000	39	--	--
Methylcyclohexane	--	--	3400	--	--	--
Methylene Chloride	--	--	1700	11	--	--
n-Butylbenzene	--	--	--	--	--	--
n-Propylbenzene	--	--	--	--	--	--
o-Xylene	--	--	5300	--	--	--
Pentachloroethane	--	--	--	--	--	--
sec-Butylbenzene	--	--	--	--	--	--
Styrene	--	--	6500	--	--	--
tert-Butylbenzene	--	--	--	--	--	--
Tetrachloroethene	--	--	380	0.57	--	--
Toluene	--	--	5000	--	--	--
trans-1,2-Dichloroethene	--	--	110	--	--	--
trans-1,3-Dichloropropene	--	--	--	--	--	--
Trans-1,4-Dichloro-2-Butene	--	--	--	--	--	--
Trichloroethene	--	--	--	2.8	--	--
Trichlorofluoromethane	--	--	800	--	--	--
Vinyl Acetate	--	--	990	--	--	--
Vinyl Chloride	--	--	74	0.06	--	--
Xylenes, Total	--	--	600	--	--	--
				TOTAL RISK	2.0	33.2
				BACKGROUND RISK	1.9	33.1
				INCREMENTAL RISK	0.04	0.1

-- = The chemical was not analyzed, not detected or no value was available.

CEF = Cancer exceedance factor. CEFs were calculated by dividing detected concentrations by cancer-based USEPA RSLs. A CEF of 1 corresponds to a cancer risk of 1x10^-6 (one in a million).

Naples, Italy Background (Maximum) = Cicchella, Domencio, et al. *Background and baseline concentration values of elements harmful to human health in the volcanic soils of the metorpolitan and provincial areas of Napoli (Italy).* Geochemistry: Exploration, Environment, Analysis Vol. 5 2005, pp.29-40.

NCEF = Noncancer exceedance factor. NCEFs were calculated by dividing detected concentrations by noncancer- based USEPA RSLs. An NCEF of 1 corresponds to a Hazard Index of 1.

RSL = Regional Screening Level

USEPA = United States Environmental Protection Agency

Fecal Coliform, Fecal Steptococcus and Total Coliforms (including Fecal Coliform and E. Coli) are reported in CFU/100 mL.

Heterotrophic Plate Count is reported in CFU/1 mL.

Risk calculations may appear to not add correctly due to rounding.

Total Risk = The risk for all chemicals.

Background Risk = The risk for chemicals (i.e., inorganic elements) that are present at concentrations less than or equal to the Naples, Italy Background (Maximum) concentrations.

Incremental Risk = The risk for chemicals that are not naturally occurring in the environment. The risk management category for this location (i.e., Acceptable or Unacceptable) is based on this risk.

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR16

	Soil Gas - mg/m3				
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	NonCancer	Cancer	NCEF	CEF
Alkane Hydrocarbon					
Octane	--	--	--	--	--
Pentadecane	--	--	--	--	--
Tridecane	--	--	--	--	--
Undecane	--	--	--	--	--
Anion					
Chloride	--	--	--	--	--
Cyanide	--	--	--	--	--
Fluoride	--	--	--	--	--
Nitrate (measured as NO3-)	--	--	--	--	--
Nitrite (measured as NO2-)	--	--	--	--	--
Phosphate	--	--	--	--	--
Sulfate	--	--	--	--	--
Dioxins/Furans					
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	--	--	0.00000000064	--	--
Disinfectants					
Chlorine (as Cl2)	--	--	--	--	--
Disinfection Byproducts					
Total Trihalomethanes	--	--	--	--	--
Field Parameters					
Dissolved Oxygen	--	--	--	--	--
Oxidation Reduction Potential	--	--	--	--	--
pH	--	--	--	--	--
Salinity	--	--	--	--	--
Specific Conductance	--	--	--	--	--
Temperature	--	--	--	--	--
Total Dissolved Solids	--	--	--	--	--
Total Solids	--	--	--	--	--
Turbidity	--	--	--	--	--
Inorganics					
Aluminum	--	0.052	--	--	--
Antimony	--	--	--	--	--
Arsenic	--	0.00031	0.0000057	--	--
Barium	--	0.0052	--	--	--
Beryllium	--	0.00021	0.00001	--	--
Cadmium (Diet)	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR16

	Soil Gas - mg/m3				
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	NonCancer	Cancer	NCEF	CEF
Cadmium (Water)	--	--	0.000014	--	--
Chromium	--	--	--	--	--
Cobalt	--	--	--	--	--
Copper	--	--	--	--	--
Iron	--	--	--	--	--
Lead	--	0.017	--	--	--
Manganese (Diet)	--	--	--	--	--
Manganese (Water)	--	0.00052	--	--	--
Mercury	--	0.0031	--	--	--
Nickel	--	--	--	--	--
Selenium	--	--	--	--	--
Silver	--	--	--	--	--
Thallium	--	--	--	--	--
Tin	--	--	--	--	--
Vanadium	--	--	--	--	--
Zinc	--	--	--	--	--
Microorganisms					
Fecal Coliform	--	--	--	--	--
Fecal Streptococcus	--	--	--	--	--
Heterotrophic Plate Count	--	--	--	--	--
Total Coliforms (including Fecal Coliform and E. Coli)	--	--	--	--	--
Pesticides					
4,4-DDD	--	--	--	--	--
4,4-DDE	--	--	--	--	--
4,4-DDT	--	--	0.00025	--	--
Aldrin	--	--	0.000005	--	--
alpha-BHC	--	--	0.000014	--	--
alpha-Chlordane	--	--	--	--	--
beta-BHC	--	--	0.000046	--	--
Chlordane	--	0.0073	0.00024	--	--
delta-BHC	--	--	--	--	--
Dieldrin	--	--	0.0000053	--	--
Endosulfan I	--	--	--	--	--
Endosulfan II	--	--	--	--	--
Endosulfan Sulfate	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR16

	Soil Gas - mg/m3				
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	NonCancer	Cancer	NCEF	CEF
Endrin	--	--	--	--	--
Endrin Aldehyde	--	--	--	--	--
gamma-BHC (Lindane)	--	--	0.000078	--	--
gamma-Chlordane	--	0.0073	0.00024	--	--
Heptachlor	--	--	0.000019	--	--
Heptachlor Epoxide	--	--	0.0000094	--	--
Methoxychlor	--	--	--	--	--
Toxaphene	--	--	0.000076	--	--
Polychlorinated bi-phenyls					
Aroclor 1016	--	--	0.0012	--	--
Aroclor 1016/1260	--	--	0.000043	--	--
Aroclor 1221	--	--	0.000043	--	--
Aroclor 1232	--	--	0.000043	--	--
Aroclor 1242	--	--	0.000043	--	--
Aroclor 1248	--	--	0.000043	--	--
Aroclor 1254	--	--	0.000043	--	--
Aroclor 1260	--	--	0.000043	--	--
Radionuclides					
Uranium	--	--	--	--	--
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	--	--	--	--	--
2,4,5-Trichlorophenol	--	--	--	--	--
2,4,6-Trichlorophenol	--	--	0.0078	--	--
2,4-Dichlorophenol	--	--	--	--	--
2,4-Dimethylphenol	--	--	--	--	--
2,4-Dinitrophenol	--	--	--	--	--
2,4-Dinitrotoluene	--	--	--	--	--
2,6-Dichlorophenol	--	--	--	--	--
2,6-Dinitrotoluene	--	--	--	--	--
2-Chloronaphthalene	--	--	--	--	--
2-Chlorophenol	--	--	--	--	--
2-Methylnaphthalene	--	--	--	--	--
2-Methylphenol (o-Cresol)	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR16

	Soil Gas - mg/m3				
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	NonCancer	Cancer	NCEF	CEF
2-Nitrophenol	--	--	--	--	--
3&4-Methylphenol	--	--	--	--	--
3-Methylphenol	--	--	--	--	--
3-Nitroaniline	--	--	--	--	--
4,6-Dinitro-2-Methylphenol	--	--	--	--	--
4-Bromophenylphenylether	--	--	--	--	--
4-Chloro-3-Methylphenol	--	--	--	--	--
4-Chloroanaline	--	--	--	--	--
4-Methylphenol (p-Cresol)	--	--	--	--	--
4-Nitroaniline	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--
Acenaphthene	--	--	--	--	--
Acenaphthylene	--	--	--	--	--
Aniline	--	0.01	--	--	--
Anthracene	--	--	--	--	--
Atrazine	--	--	--	--	--
Benzo(g,h,i)perylene	--	--	--	--	--
Bis(2-ethylhexyl)phthalate	--	--	--	--	--
Butylbenzylphthalate	--	--	--	--	--
Carbazole	--	--	--	--	--
Di-n-butylphthalate	--	--	--	--	--
Di-n-octylphthalate	--	--	--	--	--
Dibenzofuran	--	--	--	--	--
Diethylphthalate	--	--	--	--	--
Dimethylphthalate	--	--	--	--	--
Diphenylamine	--	--	--	--	--
Fluoranthene	--	--	--	--	--
Fluorene	--	--	--	--	--
Hexachlorobenzene	--	--	0.000053	--	--
Hexachlorobutadiene	--	--	0.0011	--	--
Hexachlorocyclopentadiene	--	0.0021	--	--	--
Hexachloroethane	--	--	0.0061	--	--
Naphthalene	--	0.031	0.00072	--	--
Nitrobenzene	--	0.021	--	--	--
o-Toluidine	--	--	0.00048	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR16

	Soil Gas - mg/m3				
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	NonCancer	Cancer	NCEF	CEF
Pentachlorobenzene	--	--	--	--	--
Pentachloronitrobenzene	--	--	--	--	--
Pentachlorophenol	--	--	--	--	--
Phenanthrene	--	--	--	--	--
Phenol	--	2.1	--	--	--
Pyrene	--	--	--	--	--
Total Carcinogenic PAHS (BaP TEQs)	--	--	0.0000087	--	--
Total Petroleum Hydrocarbon					
Tph (c03-c20)	0.018022026	--	--	--	--
Tph (c08-c40)	--	--	--	--	--
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	--	--	0.0033	--	--
1,1,1-Trichloroethane	--	52	--	--	--
1,1,2,2-Tetrachloroethane	--	--	0.00042	--	--
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	310	--	--	--
1,1,2-Trichloroethane	--	--	0.0015	--	--
1,1-Dichloroethane	--	5.2	0.015	--	--
1,1-Dichloroethene	--	2.1	--	--	--
1,2,3-Trichlorobenzene	--	--	--	--	--
1,2,3-Trichloropropane	--	--	--	--	--
1,2,4-Trichlorobenzene	--	--	--	--	--
1,2,4-Trimethylbenzene	0.001932723	0.073	--	0.03	--
1,2-Dibromo-3-Chloropropane	--	0.0021	0.0000016	--	--
1,2-Dibromoethane	--	0.094	0.000041	--	--
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	--	--	--	--	--
1,2-Dichlorobenzene	--	2.1	--	--	--
1,2-Dichloroethane	--	25	0.00094	--	--
1,2-Dichloropropane	--	0.042	0.0024	--	--
1,3,5-Trimethylbenzene	--	--	--	--	--
1,3-Butadiene	--	0.021	0.00081	--	--
1,3-Dichlorobenzene	--	--	--	--	--
1,3-Dichloropropane	--	--	--	--	--
1,4-Dichlorobenzene	--	8.299999999999999	0.0022	--	--
2,2-Dichloropropane	--	--	--	--	--
2-Butanone (methyl ethyl ketone)	--	52	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR16

	Soil Gas - mg/m3				
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	NonCancer	Cancer	NCEF	CEF
2-Chlorotoluene	--	--	--	--	--
2-Hexanone	--	--	--	--	--
4-Chlorotoluene	--	--	--	--	--
4-Isopropyltoluene	--	--	--	--	--
4-Methyl-2-Pentanone	--	31	--	--	--
Acetaldehyde	--	0.094	0.011	--	--
Acetone	--	320	--	--	--
Acetonitrile	--	0.63	--	--	--
Acetophenone	--	--	--	--	--
Acrolein	--	0.00021	--	--	--
Acrylonitrile	--	0.021	0.00036	--	--
Benzene	--	0.31	0.0031	--	--
Bis(2-Chloroethyl)ether	--	--	0.000074	--	--
Bis(chloromethyl)ether	--	--	0.00000039	--	--
Bromochloromethane	--	--	--	--	--
Bromodichloromethane	--	--	--	--	--
Bromoform	--	--	0.022	--	--
Bromomethane	--	0.052	--	--	--
Carbon Disulfide	--	7.3	--	--	--
Carbon Tetrachloride	--	2	0.0016	--	--
Chlorobenzene	--	0.52	--	--	--
Chloroethane	--	100	--	--	--
Chloroform	--	1	0.0011	--	--
Chloromethane	--	0.94	0.014	--	--
Chloroprene	--	0.073	--	--	--
cis-1,2-Dichloroethene	--	--	--	--	--
cis-1,3-Dichloropropene	--	--	--	--	--
Cyclohexane	--	63	--	--	--
Dibromochloromethane	--	--	--	--	--
Dibromomethane	--	--	--	--	--
Dichlorodifluoromethane (Freon 12)	--	2.1	--	--	--
Ethylbenzene	--	10	0.0097	--	--
Formaldehyde	--	0.1	0.0019	--	--
Hexane	--	7.3	--	--	--
Isobutyl Alcohol	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR16

	Soil Gas - mg/m3				
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	NonCancer	Cancer	NCEF	CEF
Isophorone	--	21	--	--	--
Isopropylbenzene	--	4.2	--	--	--
m,p-Xylenes	0.001870534	1	--	0.002	--
Methyl Acetate	--	--	--	--	--
Methyl tert-Butyl Ether	--	31	0.094	--	--
Methylcyclohexane	--	31	--	--	--
Methylene Chloride	--	11	0.052	--	--
n-Butylbenzene	--	--	--	--	--
n-Propylbenzene	--	--	--	--	--
o-Xylene	--	7.3	--	--	--
Pentachloroethane	--	--	--	--	--
sec-Butylbenzene	--	--	--	--	--
Styrene	--	10	--	--	--
tert-Butylbenzene	--	--	--	--	--
Tetrachloroethene	--	2.8	0.0041	--	--
Toluene	--	52	--	--	--
trans-1,2-Dichloroethene	--	0.63	--	--	--
trans-1,3-Dichloropropene	--	--	--	--	--
Trans-1,4-Dichloro-2-Butene	--	--	--	--	--
Trichloroethene	--	--	0.012	--	--
Trichlorofluoromethane	--	7.3	--	--	--
Vinyl Acetate	--	2.1	--	--	--
Vinyl Chloride	--	1	0.0016	--	--
Xylenes, Total	--	1	--	--	--
			TOTAL RISK	0.03	0
			BACKGROUND RISK	0	0
			INCREMENTAL RISK	0.03	0

-- = The chemical was not analyzed, not detected or no value was available.
CEF = Cancer exceedance factor. CEFs were calculated by dividing detected concentrations by cancer-based USEPA RSLs.
A CEF of 1 corresponds to a cancer risk of 1x10^-6 (one in a million).
NCEF = Noncancer exceedance factor. NCEFs were calculated by dividing detected concentrations by noncancer- based USEPA RSLs.
An NCEF of 1 corresponds to a Hazard Index of 1.
RSL = Regional Screening Level
USEPA = United States Environmental Protection Agency
Fecal Coliform, Fecal Steptococcus and Total Coliforms (including Fecal Coliform and E. Coli) are reported in CFU/100 mL.
Heterotrophic Plate Count is reported in CFU/1 mL.
Risk calculations may appear to not add correctly due to rounding.

Total Risk = The risk for all chemicals.
Background Risk = None of the volatile organic chemicals tested for in the soil gas samples are naturally occurring. Therefore, the background risk is zero.
Incremental Risk = The Total Risk. The risk management category for this location (i.e., Acceptable or Unacceptable) is based on this risk.

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR16

	Tap Water - mg/L										
			USEPA RSL					USEPA RSL			
			30-Year Exposure					30-Year Exposure			
			Inhalation		Ingestion			Inhalation		Ingestion	
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	NCEF	CEF	NCEF	CEF
Alkane Hydrocarbon											
Octane	--	--	--	--	--	--	--	--	--	--	--
Pentadecane	--	--	--	--	--	--	--	--	--	--	--
Tridecane	--	--	--	--	--	--	--	--	--	--	--
Undecane	--	--	--	--	--	--	--	--	--	--	--
Anion											
Chloride	9.31	--	--	--	--	--	--	--	--	--	--
Cyanide	--	0.2	--	--	0.73	--	--	--	--	--	--
Fluoride	--	4	--	--	--	--	--	--	--	--	--
Nitrate (measured as NO3-)	3.03	44.3	--	--	255.2	--	0.07	--	--	0.01	--
Nitrite (measured as NO2-)	--	3.29	--	--	12.21	--	--	--	--	--	--
Phosphate	--	--	--	--	--	--	--	--	--	--	--
Sulfate	6.79	--	--	--	--	--	--	--	--	--	--
Dioxins/Furans											
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.000000000038	0.00000003	--	--	0.000000037	0.0000000005	0.001	--	--	0.001	0.07
Disinfectants											
Chlorine (as Cl2)	0.04	4.01	--	--	--	--	0.010	--	--	--	--
Disinfection Byproducts											
Total Trihalomethanes	0.0010492	0.0807	--	--	--	--	0.01	--	--	--	--
Field Parameters											
Dissolved Oxygen	8.41	--	--	--	--	--	--	--	--	--	--
Oxidation Reduction Potential	573	--	--	--	--	--	--	--	--	--	--
pH	7.28	--	--	--	--	--	--	--	--	--	--
Salinity	--	--	--	--	--	--	--	--	--	--	--
Specific Conductance	0.68	--	--	--	--	--	--	--	--	--	--
Temperature	28	--	--	--	--	--	--	--	--	--	--
Total Dissolved Solids	--	--	--	--	--	--	--	--	--	--	--
Total Solids	--	--	--	--	--	--	--	--	--	--	--
Turbidity	--	--	--	--	--	--	--	--	--	--	--
Inorganics											
Aluminum	0.0142	--	--	--	37	--	--	--	--	0.0004	--
Antimony	--	0.006	--	--	0.015	--	--	--	--	--	--
Arsenic	0.00499	0.01	--	--	0.011	0.000045	0.5	--	--	0.5	**110.9**
Barium	0.0135	2	--	--	7.3	--	0.007	--	--	0.002	--
Beryllium	--	0.004	--	--	0.073	--	--	--	--	--	--
Cadmium (Diet)	--	--	--	--	--	--	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR16

	Tap Water - mg/L										
			USEPA RSL					USEPA RSL			
			30-Year Exposure					30-Year Exposure			
			Inhalation		Ingestion			Inhalation		Ingestion	
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	NCEF	CEF	NCEF	CEF
Cadmium (Water)	--	0.005	--	--	0.018	--	--	--	--	--	--
Chromium	0.000779	0.1	--	--	--	--	0.008	--	--	--	--
Cobalt	0.000114	--	--	--	--	--	--	--	--	--	--
Copper	0.371	--	--	--	1.5	--	--	--	--	0.2	--
Iron	0.54	--	--	--	26	--	--	--	--	0.02	--
Lead	0.0284	--	--	--	0.02	--	--	--	--	1.4	--
Manganese (Diet)	--	--	--	--	--	--	--	--	--	--	--
Manganese (Water)	0.00892	--	--	--	0.88	--	--	--	--	0.01	--
Mercury	--	0.002	0.00063	--	--	--	--	--	--	--	--
Nickel	0.0402	--	--	--	0.73	--	--	--	--	0.06	--
Selenium	--	0.05	--	--	0.18	--	--	--	--	--	--
Silver	--	--	--	--	0.18	--	--	--	--	--	--
Thallium	--	0.002	--	--	0.0024	--	--	--	--	--	--
Tin	0.000483	--	--	--	22	--	--	--	--	0.00002	--
Vanadium	--	--	--	--	0.26	--	--	--	--	--	--
Zinc	1.25	--	--	--	11	--	--	--	--	0.1	--
Microorganisms											
Fecal Coliform	--	0	--	--	--	--	--	--	--	--	--
Fecal Streptococcus	0	--	--	--	--	--	--	--	--	--	--
Heterotrophic Plate Count	21	--	--	--	--	--	--	--	--	--	--
Total Coliforms (including Fecal Coliform and E. Coli)	--	0	--	--	--	--	--	--	--	--	--
Pesticides											
4,4-DDD	--	--	--	--	--	0.00028	--	--	--	--	--
4,4-DDE	--	--	--	--	--	0.0002	--	--	--	--	--
4,4-DDT	--	--	--	--	0.018	0.0002	--	--	--	--	--
Aldrin	--	--	--	--	0.0011	0.000004	--	--	--	--	--
alpha-BHC	--	--	--	--	--	0.000011	--	--	--	--	--
alpha-Chlordane	--	0.002	--	--	--	--	--	--	--	--	--
beta-BHC	--	--	--	--	--	0.000037	--	--	--	--	--
Chlordane	--	0.002	--	--	0.018	0.00019	--	--	--	--	--
delta-BHC	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	--	--	--	--	0.0018	0.0000042	--	--	--	--	--
Endosulfan I	--	--	--	--	--	--	--	--	--	--	--
Endosulfan II	--	--	--	--	--	--	--	--	--	--	--
Endosulfan Sulfate	--	--	--	--	--	--	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR16

	Tap Water - mg/L										
			USEPA RSL					USEPA RSL			
			30-Year Exposure					30-Year Exposure			
			Inhalation		Ingestion			Inhalation		Ingestion	
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	NCEF	CEF	NCEF	CEF
Endrin	--	0.002	--	--	0.011	--	--	--	--	--	--
Endrin Aldehyde	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC (Lindane)	--	0.0002	--	--	0.011	0.000061	--	--	--	--	--
gamma-Chlordane	--	0.002	--	--	0.018	0.00019	--	--	--	--	--
Heptachlor	--	0.0004	--	--	0.018	0.000015	--	--	--	--	--
Heptachlor Epoxide	--	0.0002	--	--	0.00047	0.0000074	--	--	--	--	--
Methoxychlor	--	0.04	--	--	0.18	--	--	--	--	--	--
Toxaphene	--	0.003	--	--	--	0.000061	--	--	--	--	--
Polychlorinated bi-phenyls											
Aroclor 1016	--	--	--	--	0.0026	0.00096	--	--	--	--	--
Aroclor 1016/1260	--	--	--	--	0.0026	0.000034	--	--	--	--	--
Aroclor 1221	--	--	--	0.0000085	--	0.000034	--	--	--	--	--
Aroclor 1232	--	--	--	0.0000085	--	0.000034	--	--	--	--	--
Aroclor 1242	--	--	--	--	--	0.000034	--	--	--	--	--
Aroclor 1248	--	--	--	--	--	0.000034	--	--	--	--	--
Aroclor 1254	--	--	--	--	0.00073	0.000034	--	--	--	--	--
Aroclor 1260	--	--	--	--	--	0.000034	--	--	--	--	--
Radionuclides											
Uranium	0.000807	0.03	--	--	0.11	--	0.03	--	--	0.007	--
Semi-Volatile Organic Compounds											
1,1'-Biphenyl	--	--	--	--	1.8	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	--	--	--	--	0.011	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	--	--	--	--	1.1	--	--	--	--	--	--
2,4,5-Trichlorophenol	--	--	--	--	3.7	--	--	--	--	--	--
2,4,6-Trichlorophenol	--	--	--	--	0.037	0.0061	--	--	--	--	--
2,4-Dichlorophenol	--	--	--	--	0.11	--	--	--	--	--	--
2,4-Dimethylphenol	--	--	--	--	0.73	--	--	--	--	--	--
2,4-Dinitrophenol	--	--	--	--	0.073	--	--	--	--	--	--
2,4-Dinitrotoluene	--	--	--	--	0.073	--	--	--	--	--	--
2,6-Dichlorophenol	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	--	--	--	--	0.037	--	--	--	--	--	--
2-Chloronaphthalene	--	--	--	--	2.9	--	--	--	--	--	--
2-Chlorophenol	--	--	--	--	0.18	--	--	--	--	--	--
2-Methylnaphthalene	0.000352	--	--	--	0.15	--	--	--	--	0.002	--
2-Methylphenol (o-Cresol)	--	--	--	--	1.8	--	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR16

	Tap Water - mg/L										
			USEPA RSL					USEPA RSL			
			30-Year Exposure					30-Year Exposure			
			Inhalation		Ingestion			Inhalation		Ingestion	
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	NCEF	CEF	NCEF	CEF
2-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--
3&4-Methylphenol	--	--	--	--	0.18	--	--	--	--	--	--
3-Methylphenol	--	--	--	--	1.8	--	--	--	--	--	--
3-Nitroaniline	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-Methylphenol	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenylphenylether	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-Methylphenol	--	--	--	--	--	--	--	--	--	--	--
4-Chloroanaline	--	--	--	--	0.15	--	--	--	--	--	--
4-Methylphenol (p-Cresol)	--	--	--	--	0.18	--	--	--	--	--	--
4-Nitroaniline	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	--	--	--	--	2.2	--	--	--	--	--	--
Acenaphthylene	--	--	--	--	--	--	--	--	--	--	--
Aniline	--	--	--	--	0.26	0.012	--	--	--	--	--
Anthracene	--	--	--	--	11	--	--	--	--	--	--
Atrazine	--	0.003	--	--	1.3	0.00029	--	--	--	--	--
Benzo(g,h,i)perylene	--	--	--	--	--	--	--	--	--	--	--
Bis(2-ethylhexyl)phthalate	--	0.006	--	--	0.73	0.0048	--	--	--	--	--
Butylbenzylphthalate	--	--	--	--	7.3	--	--	--	--	--	--
Carbazole	--	--	--	--	--	0.0034	--	--	--	--	--
Di-n-butylphthalate	--	--	--	--	3.7	--	--	--	--	--	--
Di-n-octylphthalate	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	--	--	--	--	--	--	--	--	--	--	--
Diethylphthalate	--	--	--	--	29	--	--	--	--	--	--
Dimethylphthalate	--	--	--	--	--	--	--	--	--	--	--
Diphenylamine	--	--	--	--	0.91	--	--	--	--	--	--
Fluoranthene	--	--	--	--	1.5	--	--	--	--	--	--
Fluorene	--	--	--	--	1.5	--	--	--	--	--	--
Hexachlorobenzene	--	0.001	--	--	0.029	0.000042	--	--	--	--	--
Hexachlorobutadiene	--	--	--	--	0.037	0.00086	--	--	--	--	--
Hexachlorocyclopentadiene	--	0.05	--	--	0.22	--	--	--	--	--	--
Hexachloroethane	--	--	--	--	0.037	0.0048	--	--	--	--	--
Naphthalene	0.00673	--	0.0063	0.00014	0.73	--	--	1.1	48.1	0.009	--
Nitrobenzene	--	--	0.0042	--	0.018	--	--	--	--	--	--
o-Toluidine	--	--	--	--	--	0.00037	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR16

	Tap Water - mg/L										
			USEPA RSL					USEPA RSL			
			30-Year Exposure					30-Year Exposure			
			Inhalation		Ingestion			Inhalation		Ingestion	
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	NCEF	CEF	NCEF	CEF
Pentachlorobenzene	--	--	--	--	0.029	--	--	--	--	--	--
Pentachloronitrobenzene	--	--	--	--	0.11	0.00026	--	--	--	--	--
Pentachlorophenol	--	0.001	--	--	1.1	0.00056	--	--	--	--	--
Phenanthrene	--	--	--	--	--	--	--	--	--	--	--
Phenol	--	--	--	--	11	--	--	--	--	--	--
Pyrene	--	--	--	--	1.1	--	--	--	--	--	--
Total Carcinogenic PAHS (BaP TEQs)	--	0.0002	--	--	--	0.0000029	--	--	--	--	--
Total Petroleum Hydrocarbon											
Tph (c03-c20)	--	--	--	--	--	--	--	--	--	--	--
Tph (c08-c40)	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds											
1,1,1,2-Tetrachloroethane	--	--	--	0.00066	1.1	0.0026	--	--	--	--	--
1,1,1-Trichloroethane	--	0.2	10	--	73	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	--	--	--	0.000084	--	0.00034	--	--	--	--	--
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	--	63	--	1100	--	--	--	--	--	--
1,1,2-Trichloroethane	--	0.005	--	0.0003	0.15	0.0012	--	--	--	--	--
1,1-Dichloroethane	--	--	1	0.003	7.3	0.012	--	--	--	--	--
1,1-Dichloroethene	--	0.007	0.42	--	1.8	--	--	--	--	--	--
1,2,3-Trichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	--	--	--	--	0.22	0.0000096	--	--	--	--	--
1,2,4-Trichlorobenzene	--	0.07	--	--	0.37	0.019	--	--	--	--	--
1,2,4-Trimethylbenzene	0.000137	--	0.015	--	--	--	--	0.009	--	--	--
1,2-Dibromo-3-Chloropropane	--	0.0002	0.00042	0.00000032	0.0073	0.000027	--	--	--	--	--
1,2-Dibromoethane	--	0.00005	0.019	0.0000081	0.33	0.000034	--	--	--	--	--
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	--	0.6	0.42	--	3.3	--	--	--	--	--	--
1,2-Dichloroethane	--	0.005	5.1	0.00019	--	0.00074	--	--	--	--	--
1,2-Dichloropropane	--	0.005	0.0083	0.00049	--	0.0019	--	--	--	--	--
1,3,5-Trimethylbenzene	--	--	--	--	--	--	--	--	--	--	--
1,3-Butadiene	--	--	0.0042	0.00016	--	--	--	--	--	--	--
1,3-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	--	--	--	--	0.73	--	--	--	--	--	--
1,4-Dichlorobenzene	--	0.075	1.7	0.00044	--	0.012	--	--	--	--	--
2,2-Dichloropropane	--	--	--	--	--	--	--	--	--	--	--
2-Butanone (methyl ethyl ketone)	--	--	10	--	22	--	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR16

	Tap Water - mg/L										
			USEPA RSL					USEPA RSL			
			30-Year Exposure					30-Year Exposure			
			Inhalation		Ingestion			Inhalation		Ingestion	
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	NCEF	CEF	NCEF	CEF
2-Chlorotoluene	--	--	--	--	0.73	--	--	--	--	--	--
2-Hexanone	--	--	--	--	--	--	--	--	--	--	--
4-Chlorotoluene	--	--	--	--	2.6	--	--	--	--	--	--
4-Isopropyltoluene	--	--	--	--	--	--	--	--	--	--	--
4-Methyl-2-Pentanone	--	--	6.3	--	2.9	--	--	--	--	--	--
Acetaldehyde	--	--	0.019	0.0022	--	--	--	--	--	--	--
Acetone	0.00122	--	64	--	33	--	--	0.00002	--	0.00004	--
Acetonitrile	--	--	0.13	--	--	--	--	--	--	--	--
Acetophenone	--	--	--	--	3.7	--	--	--	--	--	--
Acrolein	--	--	0.000042	--	0.018	--	--	--	--	--	--
Acrylonitrile	--	--	0.0042	0.000072	0.037	0.00012	--	--	--	--	--
Benzene	--	0.005	0.063	0.00062	0.15	0.0012	--	--	--	--	--
Bis(2-Chloroethyl)ether	--	--	--	0.000015	--	0.000061	--	--	--	--	--
Bis(chloromethyl)ether	--	--	--	0.000000078	--	0.00000031	--	--	--	--	--
Bromochloromethane	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	0.000157	--	--	--	0.73	0.0011	--	--	--	0.0002	0.1
Bromoform	0.00051	--	--	--	0.73	0.0085	--	--	--	0.0007	0.06
Bromomethane	--	--	0.01	--	0.051	--	--	--	--	--	--
Carbon Disulfide	--	--	1.5	--	3.7	--	--	--	--	--	--
Carbon Tetrachloride	--	0.005	0.39	0.00032	0.026	0.00052	--	--	--	--	--
Chlorobenzene	--	0.1	0.1	--	0.73	--	--	--	--	--	--
Chloroethane	--	--	21	--	--	--	--	--	--	--	--
Chloroform	0.0000962	--	0.2	0.00021	0.37	0.0022	--	0.0005	0.5	0.0003	0.04
Chloromethane	0.000251	--	0.19	0.0027	--	0.0052	--	0.001	0.09	--	0.05
Chloroprene	--	--	0.015	--	0.73	--	--	--	--	--	--
cis-1,2-Dichloroethene	--	0.07	--	--	0.37	--	--	--	--	--	--
cis-1,3-Dichloropropene	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	--	--	13	--	--	--	--	--	--	--	--
Dibromochloromethane	0.000286	--	--	--	0.73	0.0008	--	--	--	0.0004	0.4
Dibromomethane	--	--	--	--	0.37	--	--	--	--	--	--
Dichlorodifluoromethane (Freon 12)	--	--	0.42	--	7.3	--	--	--	--	--	--
Ethylbenzene	--	0.7	2.1	0.0019	3.7	0.0061	--	--	--	--	--
Formaldehyde	--	--	--	--	7.3	--	--	--	--	--	--
Hexane	--	--	1.5	--	2.2	--	--	--	--	--	--
Isobutyl Alcohol	--	--	--	--	11	--	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR16

	Tap Water - mg/L										
			USEPA RSL					USEPA RSL			
			30-Year Exposure					30-Year Exposure			
			Inhalation		Ingestion			Inhalation		Ingestion	
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	NCEF	CEF	NCEF	CEF
Isophorone	--	--	--	--	7.3	0.071	--	--	--	--	--
Isopropylbenzene	--	--	0.83	--	3.7	--	--	--	--	--	--
m,p-Xylenes	--	--	0.21	--	7.3	--	--	--	--	--	--
Methyl Acetate	--	--	--	--	37	--	--	--	--	--	--
Methyl tert-Butyl Ether	--	--	6.3	0.019	--	0.037	--	--	--	--	--
Methylcyclohexane	--	--	6.3	--	--	--	--	--	--	--	--
Methylene Chloride	--	0.005	2.2	0.01	2.2	0.009	--	--	--	--	--
n-Butylbenzene	0.000176	--	--	--	--	--	--	--	--	--	--
n-Propylbenzene	--	--	--	--	--	--	--	--	--	--	--
o-Xylene	--	--	1.5	--	73	--	--	--	--	--	--
Pentachloroethane	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	--	--	--	--	--	--	--	--	--	--	--
Styrene	--	0.1	2.1	--	7.3	--	--	--	--	--	--
tert-Butylbenzene	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	--	0.005	0.57	0.00082	0.37	0.00012	--	--	--	--	--
Toluene	--	1	10	--	2.9	--	--	--	--	--	--
trans-1,2-Dichloroethene	--	0.1	0.13	--	0.73	--	--	--	--	--	--
trans-1,3-Dichloropropene	--	--	--	--	--	--	--	--	--	--	--
Trans-1,4-Dichloro-2-Butene	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	--	0.005	--	0.0024	--	0.0052	--	--	--	--	--
Trichlorofluoromethane	--	--	1.5	--	11	--	--	--	--	--	--
Vinyl Acetate	--	--	0.42	--	37	--	--	--	--	--	--
Vinyl Chloride	--	0.002	0.21	0.00032	0.11	0.000017	--	--	--	--	--
Xylenes, Total	--	10	0.21	--	7.3	--	--	--	--	--	--
							TOTAL RISK	1.1	48.6	2.4	111.6
							BACKGROUND RISK	0	0	0.7	110.9
							INCREMENTAL RISK	1.1	48.6	1.7	0.7

-- = The chemical was not analyzed, not detected or no value was available.
CEF = Cancer exceedance factor. CEFs were calculated by dividing detected concentrations by cancer-based USEPA RSLs.
A CEF of 1 corresponds to a cancer risk of 1x10^-6 (one in a million).
NCEF = Noncancer exceedance factor. NCEFs were calculated by dividing detected concentrations by noncancer-based USEPA RSLs.
An NCEF of 1 corresponds to a Hazard Index of 1.
RSL = Regional Screening Level
USEPA = United States Environmental Protection Agency
USEPA MCL EF = USEPA Maximum Contaminant Level Exceedance Factor. USEPA MCL EFs were calculated by dividing detected concentrations by the USEPA MCLs.
USEPA MCL = USEPA Maximum Contaminant Levels (http://www.epa.gov/ogwdw/contaminants/index.html).
Fecal Coliform, Fecal Steptococcus and Total Coliforms (including Fecal Coliform and E. Coli) are reported in CFU/100 mL (CFU = colony forming units).
Heterotrophic Plate Count is reported in CFU/1 mL.
Risk calculations may appear to not add correctly due to rounding.

Total Risk = The risk for all chemicals.
Background Risk = The risk for chemicals (i.e., inorganic elements) that are naturally occurring in the environment but does not include lead, copper and thallium.
Incremental Risk = The risk for chemicals that are not naturally occurring in the environment. The risk management category for this location
(i.e., Acceptable or Unacceptable) is based on this risk. This includes lead, copper and thallium.
The ingestion exceedance factors are presented for informational purposes only. The risk-management decision (i.e., Acceptable or Unacceptable) will be made
based on inhalation because the Navy leadership has stated that all personnel should be using bottled water for drinking, cooking, and brushing teeth.

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR21

Chemical	Soil - mg/kg					
	Maximum Detected Concentration	Naples, Italy Background (Maximum)	USEPA RSL 30-Year Exposure		USEPA RSL 30-Year Exposure	
			NonCancer	Cancer	NCEF	CEF
Alkane Hydrocarbon						
Octane	--	--	--	--	--	--
Pentadecane	--	--	--	--	--	--
Tridecane	--	--	--	--	--	--
Undecane	--	--	--	--	--	--
Anion						
Chloride	--	--	--	--	--	--
Cyanide	--	--	1600	--	--	--
Fluoride	--	--	--	--	--	--
Nitrate (measured as NO3-)	--	--	572000	--	--	--
Nitrite (measured as NO2-)	--	--	25740	--	--	--
Phosphate	--	--	--	--	--	--
Sulfate	--	--	--	--	--	--
Dioxins/Furans						
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.00000062617	--	0.000072	0.0000045	0.009	0.1
Disinfectants						
Chlorine (as Cl2)	--	--	--	--	--	--
Disinfection Byproducts						
Total Trihalomethanes	--	--	--	--	--	--
Field Parameters						
Dissolved Oxygen	--	--	--	--	--	--
Oxidation Reduction Potential	--	--	--	--	--	--
pH	--	--	--	--	--	--
Salinity	--	--	--	--	--	--
Specific Conductance	--	--	--	--	--	--
Temperature	--	--	--	--	--	--
Total Dissolved Solids	--	--	--	--	--	--
Total Solids	86.5	--	--	--	--	--
Turbidity	--	--	--	--	--	--
Inorganics						
Aluminum	36600	86900	77000	--	0.5	--
Antimony	0.488	42.8	31	--	0.02	--
Arsenic	12.9	164	22	0.39	0.6	**33.1**
Barium	288	1813	15000	--	0.02	--
Beryllium	4.56	--	160	1400	0.03	0.003
Cadmium (Diet)	0.226	10.6	70	1800	0.003	0.0001

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR21

	Soil - mg/kg					
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	NonCancer	Cancer	NCEF	CEF
Cadmium (Water)	--	--	--	--	--	--
Chromium	9.710000000000001	579	--	--	--	--
Cobalt	4.72	36.6	--	--	--	--
Copper	31.7	3965	3100	--	0.01	--
Iron	18600	154600	55000	--	0.3	--
Lead	38.8	2052	400	--	0.10	--
Manganese (Diet)	622	5923	--	--	--	--
Manganese (Water)	--	--	1800	--	--	--
Mercury	--	2.66	6.7	--	--	--
Nickel	4.44	689	1600	--	0.003	--
Selenium	--	1.9	390	--	--	--
Silver	3.2	8.132	390	--	0.008	--
Thallium	1.53	69	5.1	--	0.3	--
Tin	2.81	--	47000	--	0.00006	--
Vanadium	38.9	187	550	--	0.07	--
Zinc	60.8	3211	23000	--	0.003	--
Microorganisms						
Fecal Coliform	--	--	--	--	--	--
Fecal Streptococcus	--	--	--	--	--	--
Heterotrophic Plate Count	--	--	--	--	--	--
Total Coliforms (including Fecal Coliform and E. Coli)	--	--	--	--	--	--
Pesticides						
4,4-DDD	--	--	--	2	--	--
4,4-DDE	--	--	--	1.4	--	--
4,4-DDT	--	--	36	1.7	--	--
Aldrin	--	--	1.8	0.029	--	--
alpha-BHC	--	--	--	0.077	--	--
alpha-Chlordane	--	--	--	--	--	--
beta-BHC	--	--	--	0.27	--	--
Chlordane	--	--	35	1.6	--	--
delta-BHC	--	--	--	--	--	--
Dieldrin	--	--	3.1	0.03	--	--
Endosulfan I	--	--	--	--	--	--
Endosulfan II	--	--	--	--	--	--
Endosulfan Sulfate	--	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR21

Chemical	Soil - mg/kg					
	Maximum Detected Concentration	Naples, Italy Background (Maximum)	USEPA RSL 30-Year Exposure		USEPA RSL 30-Year Exposure	
			NonCancer	Cancer	NCEF	CEF
Endrin	--	--	18	--	--	--
Endrin Aldehyde	--	--	--	--	--	--
gamma-BHC (Lindane)	--	--	21	0.52	--	--
gamma-Chlordane	--	--	35	1.6	--	--
Heptachlor	--	--	31	0.11	--	--
Heptachlor Epoxide	--	--	0.79	0.053	--	--
Methoxychlor	--	--	310	--	--	--
Toxaphene	--	--	--	0.44	--	--
Polychlorinated bi-phenyls						
Aroclor 1016	--	--	3.9	6.3	--	--
Aroclor 1016/1260	--	--	3.9	0.22	--	--
Aroclor 1221	--	--	--	0.17	--	--
Aroclor 1232	--	--	--	0.17	--	--
Aroclor 1242	--	--	--	0.22	--	--
Aroclor 1248	--	--	--	0.22	--	--
Aroclor 1254	--	--	1.1	0.22	--	--
Aroclor 1260	--	--	--	0.22	--	--
Radionuclides						
Uranium	--	--	230	--	--	--
Semi-Volatile Organic Compounds						
1,1'-Biphenyl	--	--	3900	--	--	--
1,2,4,5-Tetrachlorobenzene	--	--	18	--	--	--
2,3,4,6-Tetrachlorophenol	--	--	1800	--	--	--
2,4,5-Trichlorophenol	--	--	6100	--	--	--
2,4,6-Trichlorophenol	--	--	61	44	--	--
2,4-Dichlorophenol	--	--	180	--	--	--
2,4-Dimethylphenol	--	--	1200	--	--	--
2,4-Dinitrophenol	--	--	120	--	--	--
2,4-Dinitrotoluene	--	--	120	--	--	--
2,6-Dichlorophenol	--	--	--	--	--	--
2,6-Dinitrotoluene	--	--	61	--	--	--
2-Chloronaphthalene	--	--	6300	--	--	--
2-Chlorophenol	--	--	390	--	--	--
2-Methylnaphthalene	--	--	310	--	--	--
2-Methylphenol (o-Cresol)	--	--	3100	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR21

	Soil - mg/kg					
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	NonCancer	Cancer	NCEF	CEF
2-Nitrophenol	--	--	--	--	--	--
3&4-Methylphenol	--	--	310	--	--	--
3-Methylphenol	--	--	3100	--	--	--
3-Nitroaniline	--	--	--	--	--	--
4,6-Dinitro-2-Methylphenol	--	--	--	--	--	--
4-Bromophenylphenylether	--	--	--	--	--	--
4-Chloro-3-Methylphenol	--	--	--	--	--	--
4-Chloroanaline	--	--	240	--	--	--
4-Methylphenol (p-Cresol)	--	--	310	--	--	--
4-Nitroaniline	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--
Acenaphthene	--	--	3400	--	--	--
Acenaphthylene	--	--	--	--	--	--
Aniline	--	--	430	85	--	--
Anthracene	--	--	17000	--	--	--
Atrazine	--	--	2100	2.1	--	--
Benzo(g,h,i)perylene	--	--	--	--	--	--
Bis(2-ethylhexyl)phthalate	--	--	1200	35	--	--
Butylbenzylphthalate	--	--	12000	--	--	--
Carbazole	--	--	--	24	--	--
Di-n-butylphthalate	--	--	6100	--	--	--
Di-n-octylphthalate	--	--	--	--	--	--
Dibenzofuran	--	--	--	--	--	--
Diethylphthalate	--	--	49000	--	--	--
Dimethylphthalate	--	--	--	--	--	--
Diphenylamine	--	--	1500	--	--	--
Fluoranthene	--	--	2300	--	--	--
Fluorene	--	--	2300	--	--	--
Hexachlorobenzene	--	--	49	0.3	--	--
Hexachlorobutadiene	--	--	61	6.2	--	--
Hexachlorocyclopentadiene	--	--	370	--	--	--
Hexachloroethane	--	--	61	35	--	--
Naphthalene	--	--	150	3.9	--	--
Nitrobenzene	--	--	31	--	--	--
o-Toluidine	--	--	--	2.7	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR21

	Soil - mg/kg					
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	NonCancer	Cancer	NCEF	CEF
Pentachlorobenzene	--	--	49	--	--	--
Pentachloronitrobenzene	--	--	180	1.9	--	--
Pentachlorophenol	--	--	1400	3	--	--
Phenanthrene	--	--	--	--	--	--
Phenol	--	--	18000	--	--	--
Pyrene	--	--	1700	--	--	--
Total Carcinogenic PAHS (BaP TEQs)	--	--	--	0.015	--	--
Total Petroleum Hydrocarbon						
Tph (c03-c20)	--	--	--	--	--	--
Tph (c08-c40)	--	--	--	--	--	--
Volatile Organic Compounds						
1,1,1,2-Tetrachloroethane	--	--	2300	2	--	--
1,1,1-Trichloroethane	--	--	9000	--	--	--
1,1,2,2-Tetrachloroethane	--	--	--	0.59	--	--
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	--	43000	--	--	--
1,1,2-Trichloroethane	--	--	310	1.1	--	--
1,1-Dichloroethane	--	--	1100	3.4	--	--
1,1-Dichloroethene	--	--	250	--	--	--
1,2,3-Trichlorobenzene	--	--	--	--	--	--
1,2,3-Trichloropropane	--	--	470	0.091	--	--
1,2,4-Trichlorobenzene	--	--	780	180	--	--
1,2,4-Trimethylbenzene	--	--	67	--	--	--
1,2-Dibromo-3-Chloropropane	--	--	5.1	0.0056	--	--
1,2-Dibromoethane	--	--	79	0.034	--	--
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	--	--	--	--	--	--
1,2-Dichlorobenzene	--	--	2000	--	--	--
1,2-Dichloroethane	--	--	13000	0.45	--	--
1,2-Dichloropropane	--	--	17	0.93	--	--
1,3,5-Trimethylbenzene	--	--	--	--	--	--
1,3-Butadiene	--	--	2	0.077	--	--
1,3-Dichlorobenzene	--	--	--	--	--	--
1,3-Dichloropropane	--	--	1600	--	--	--
1,4-Dichlorobenzene	--	--	10000	2.6	--	--
2,2-Dichloropropane	--	--	--	--	--	--
2-Butanone (methyl ethyl ketone)	--	--	28000	--	--	--

	Soil - mg/kg					
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	NonCancer	Cancer	NCEF	CEF
2-Chlorotoluene	--	--	1600	--	--	--
2-Hexanone	--	--	--	--	--	--
4-Chlorotoluene	--	--	5500	--	--	--
4-Isopropyltoluene	--	--	--	--	--	--
4-Methyl-2-Pentanone	--	--	5300	--	--	--
Acetaldehyde	--	--	89	11	--	--
Acetone	--	--	61000	--	--	--
Acetonitrile	--	--	870	--	--	--
Acetophenone	--	--	7800	--	--	--
Acrolein	--	--	0.16	--	--	--
Acrylonitrile	--	--	14	0.24	--	--
Benzene	--	--	90	1.1	--	--
Bis(2-Chloroethyl)ether	--	--	--	0.19	--	--
Bis(chloromethyl)ether	--	--	--	0.00027	--	--
Bromochloromethane	--	--	--	--	--	--
Bromodichloromethane	--	--	1600	10	--	--
Bromoform	--	--	1200	61	--	--
Bromomethane	--	--	7.9	--	--	--
Carbon Disulfide	--	--	670	--	--	--
Carbon Tetrachloride	--	--	47	0.25	--	--
Chlorobenzene	--	--	310	--	--	--
Chloroethane	--	--	15000	--	--	--
Chloroform	--	--	220	0.3	--	--
Chloromethane	--	--	120	1.7	--	--
Chloroprene	--	--	8.6	--	--	--
cis-1,2-Dichloroethene	--	--	780	--	--	--
cis-1,3-Dichloropropene	--	--	--	--	--	--
Cyclohexane	--	--	7200	--	--	--
Dibromochloromethane	--	--	1200	5.8	--	--
Dibromomethane	--	--	780	--	--	--
Dichlorodifluoromethane (Freon 12)	--	--	190	--	--	--
Ethylbenzene	--	--	3600	5.7	--	--
Formaldehyde	--	--	12000	250000	--	--
Hexane	--	--	570	--	--	--
Isobutyl Alcohol	--	--	23000	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR21

	Soil - mg/kg					
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	NonCancer	Cancer	NCEF	CEF
Isophorone	--	--	12000	510	--	--
Isopropylbenzene	--	--	2200	--	--	--
m,p-Xylenes	--	--	600	--	--	--
Methyl Acetate	--	--	78000	--	--	--
Methyl tert-Butyl Ether	--	--	15000	39	--	--
Methylcyclohexane	--	--	3400	--	--	--
Methylene Chloride	--	--	1700	11	--	--
n-Butylbenzene	--	--	--	--	--	--
n-Propylbenzene	--	--	--	--	--	--
o-Xylene	--	--	5300	--	--	--
Pentachloroethane	--	--	--	--	--	--
sec-Butylbenzene	--	--	--	--	--	--
Styrene	--	--	6500	--	--	--
tert-Butylbenzene	--	--	--	--	--	--
Tetrachloroethene	--	--	380	0.57	--	--
Toluene	0.00296	--	5000	--	0.0000006	--
trans-1,2-Dichloroethene	--	--	110	--	--	--
trans-1,3-Dichloropropene	--	--	--	--	--	--
Trans-1,4-Dichloro-2-Butene	--	--	--	--	--	--
Trichloroethene	--	--	--	2.8	--	--
Trichlorofluoromethane	--	--	800	--	--	--
Vinyl Acetate	--	--	990	--	--	--
Vinyl Chloride	--	--	74	0.06	--	--
Xylenes, Total	--	--	600	--	--	--
				TOTAL RISK	2.0	33.2
				BACKGROUND RISK	1.9	33.1
				INCREMENTAL RISK	0.04	0.1

-- = The chemical was not analyzed, not detected or no value was available.

CEF = Cancer exceedance factor. CEFs were calculated by dividing detected concentrations by cancer-based USEPA RSLs. A CEF of 1 corresponds to a cancer risk of 1x10^-6 (one in a million).

Naples, Italy Background (Maximum) = Cicchella, Domencio, et al. *Background and baseline concentration values of elements harmful to human health in the volcanic soils of the metorpolitan and provincial areas of Napoli (Italy).* Geochemistry: Exploration, Environment, Analysis Vol. 5 2005, pp.29-40.

NCEF = Noncancer exceedance factor. NCEFs were calculated by dividing detected concentrations by noncancer- based USEPA RSLs. An NCEF of 1 corresponds to a Hazard Index of 1.

RSL = Regional Screening Level

USEPA = United States Environmental Protection Agency

Fecal Coliform, Fecal Steptococcus and Total Coliforms (including Fecal Coliform and E. Coli) are reported in CFU/100 mL.

Heterotrophic Plate Count is reported in CFU/1 mL.

Risk calculations may appear to not add correctly due to rounding.

Total Risk = The risk for all chemicals.

Background Risk = The risk for chemicals (i.e., inorganic elements) that are present at concentrations less than or equal to the Naples, Italy Background (Maximum) concentrations.

Incremental Risk = The risk for chemicals that are not naturally occurring in the environment. The risk management category for this location (i.e., Acceptable or Unacceptable) is based on this risk.

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR21

	Soil Gas - mg/m3				
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	NonCancer	Cancer	NCEF	CEF
Alkane Hydrocarbon					
Octane	--	--	--	--	--
Pentadecane	--	--	--	--	--
Tridecane	--	--	--	--	--
Undecane	--	--	--	--	--
Anion					
Chloride	--	--	--	--	--
Cyanide	--	--	--	--	--
Fluoride	--	--	--	--	--
Nitrate (measured as NO3-)	--	--	--	--	--
Nitrite (measured as NO2-)	--	--	--	--	--
Phosphate	--	--	--	--	--
Sulfate	--	--	--	--	--
Dioxins/Furans					
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	--	--	0.00000000064	--	--
Disinfectants					
Chlorine (as Cl2)	--	--	--	--	--
Disinfection Byproducts					
Total Trihalomethanes	--	--	--	--	--
Field Parameters					
Dissolved Oxygen	--	--	--	--	--
Oxidation Reduction Potential	--	--	--	--	--
pH	--	--	--	--	--
Salinity	--	--	--	--	--
Specific Conductance	--	--	--	--	--
Temperature	--	--	--	--	--
Total Dissolved Solids	--	--	--	--	--
Total Solids	--	--	--	--	--
Turbidity	--	--	--	--	--
Inorganics					
Aluminum	--	0.052	--	--	--
Antimony	--	--	--	--	--
Arsenic	--	0.00031	0.0000057	--	--
Barium	--	0.0052	--	--	--
Beryllium	--	0.00021	0.00001	--	--
Cadmium (Diet)	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR21

	Soil Gas - mg/m3				
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	NonCancer	Cancer	NCEF	CEF
Cadmium (Water)	--	--	0.000014	--	--
Chromium	--	--	--	--	--
Cobalt	--	--	--	--	--
Copper	--	--	--	--	--
Iron	--	--	--	--	--
Lead	--	0.017	--	--	--
Manganese (Diet)	--	--	--	--	--
Manganese (Water)	--	0.00052	--	--	--
Mercury	--	0.0031	--	--	--
Nickel	--	--	--	--	--
Selenium	--	--	--	--	--
Silver	--	--	--	--	--
Thallium	--	--	--	--	--
Tin	--	--	--	--	--
Vanadium	--	--	--	--	--
Zinc	--	--	--	--	--
Microorganisms					
Fecal Coliform	--	--	--	--	--
Fecal Streptococcus	--	--	--	--	--
Heterotrophic Plate Count	--	--	--	--	--
Total Coliforms (including Fecal Coliform and E. Coli)	--	--	--	--	--
Pesticides					
4,4-DDD	--	--	--	--	--
4,4-DDE	--	--	--	--	--
4,4-DDT	--	--	0.00025	--	--
Aldrin	--	--	0.000005	--	--
alpha-BHC	--	--	0.000014	--	--
alpha-Chlordane	--	--	--	--	--
beta-BHC	--	--	0.000046	--	--
Chlordane	--	0.0073	0.00024	--	--
delta-BHC	--	--	--	--	--
Dieldrin	--	--	0.0000053	--	--
Endosulfan I	--	--	--	--	--
Endosulfan II	--	--	--	--	--
Endosulfan Sulfate	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR21

	Soil Gas - mg/m3				
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	NonCancer	Cancer	NCEF	CEF
Endrin	--	--	--	--	--
Endrin Aldehyde	--	--	--	--	--
gamma-BHC (Lindane)	--	--	0.000078	--	--
gamma-Chlordane	--	0.0073	0.00024	--	--
Heptachlor	--	--	0.000019	--	--
Heptachlor Epoxide	--	--	0.0000094	--	--
Methoxychlor	--	--	--	--	--
Toxaphene	--	--	0.000076	--	--
Polychlorinated bi-phenyls					
Aroclor 1016	--	--	0.0012	--	--
Aroclor 1016/1260	--	--	0.000043	--	--
Aroclor 1221	--	--	0.000043	--	--
Aroclor 1232	--	--	0.000043	--	--
Aroclor 1242	--	--	0.000043	--	--
Aroclor 1248	--	--	0.000043	--	--
Aroclor 1254	--	--	0.000043	--	--
Aroclor 1260	--	--	0.000043	--	--
Radionuclides					
Uranium	--	--	--	--	--
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	--	--	--	--	--
2,4,5-Trichlorophenol	--	--	--	--	--
2,4,6-Trichlorophenol	--	--	0.0078	--	--
2,4-Dichlorophenol	--	--	--	--	--
2,4-Dimethylphenol	--	--	--	--	--
2,4-Dinitrophenol	--	--	--	--	--
2,4-Dinitrotoluene	--	--	--	--	--
2,6-Dichlorophenol	--	--	--	--	--
2,6-Dinitrotoluene	--	--	--	--	--
2-Chloronaphthalene	--	--	--	--	--
2-Chlorophenol	--	--	--	--	--
2-Methylnaphthalene	--	--	--	--	--
2-Methylphenol (o-Cresol)	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR21

	Soil Gas - mg/m3				
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	NonCancer	Cancer	NCEF	CEF
2-Nitrophenol	--	--	--	--	--
3&4-Methylphenol	--	--	--	--	--
3-Methylphenol	--	--	--	--	--
3-Nitroaniline	--	--	--	--	--
4,6-Dinitro-2-Methylphenol	--	--	--	--	--
4-Bromophenylphenylether	--	--	--	--	--
4-Chloro-3-Methylphenol	--	--	--	--	--
4-Chloroanaline	--	--	--	--	--
4-Methylphenol (p-Cresol)	--	--	--	--	--
4-Nitroaniline	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--
Acenaphthene	--	--	--	--	--
Acenaphthylene	--	--	--	--	--
Aniline	--	0.01	--	--	--
Anthracene	--	--	--	--	--
Atrazine	--	--	--	--	--
Benzo(g,h,i)perylene	--	--	--	--	--
Bis(2-ethylhexyl)phthalate	--	--	--	--	--
Butylbenzylphthalate	--	--	--	--	--
Carbazole	--	--	--	--	--
Di-n-butylphthalate	--	--	--	--	--
Di-n-octylphthalate	--	--	--	--	--
Dibenzofuran	--	--	--	--	--
Diethylphthalate	--	--	--	--	--
Dimethylphthalate	--	--	--	--	--
Diphenylamine	--	--	--	--	--
Fluoranthene	--	--	--	--	--
Fluorene	--	--	--	--	--
Hexachlorobenzene	--	--	0.000053	--	--
Hexachlorobutadiene	--	--	0.0011	--	--
Hexachlorocyclopentadiene	--	0.0021	--	--	--
Hexachloroethane	--	--	0.0061	--	--
Naphthalene	--	0.031	0.00072	--	--
Nitrobenzene	--	0.021	--	--	--
o-Toluidine	--	--	0.00048	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR21

	Soil Gas - mg/m3				
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	NonCancer	Cancer	NCEF	CEF
Pentachlorobenzene	--	--	--	--	--
Pentachloronitrobenzene	--	--	--	--	--
Pentachlorophenol	--	--	--	--	--
Phenanthrene	--	--	--	--	--
Phenol	--	2.1	--	--	--
Pyrene	--	--	--	--	--
Total Carcinogenic PAHS (BaP TEQs)	--	--	0.0000087	--	--
Total Petroleum Hydrocarbon					
Tph (c03-c20)	0.004378176	--	--	--	--
Tph (c08-c40)	--	--	--	--	--
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	--	--	0.0033	--	--
1,1,1-Trichloroethane	--	52	--	--	--
1,1,2,2-Tetrachloroethane	--	--	0.00042	--	--
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	310	--	--	--
1,1,2-Trichloroethane	--	--	0.0015	--	--
1,1-Dichloroethane	--	5.2	0.015	--	--
1,1-Dichloroethene	--	2.1	--	--	--
1,2,3-Trichlorobenzene	--	--	--	--	--
1,2,3-Trichloropropane	--	--	--	--	--
1,2,4-Trichlorobenzene	--	--	--	--	--
1,2,4-Trimethylbenzene	--	0.073	--	--	--
1,2-Dibromo-3-Chloropropane	--	0.0021	0.0000016	--	--
1,2-Dibromoethane	--	0.094	0.000041	--	--
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	--	--	--	--	--
1,2-Dichlorobenzene	--	2.1	--	--	--
1,2-Dichloroethane	--	25	0.00094	--	--
1,2-Dichloropropane	--	0.042	0.0024	--	--
1,3,5-Trimethylbenzene	--	--	--	--	--
1,3-Butadiene	--	0.021	0.00081	--	--
1,3-Dichlorobenzene	--	--	--	--	--
1,3-Dichloropropane	--	--	--	--	--
1,4-Dichlorobenzene	--	8.299999999999999	0.0022	--	--
2,2-Dichloropropane	--	--	--	--	--
2-Butanone (methyl ethyl ketone)	--	52	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR21

	Soil Gas - mg/m3				
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	NonCancer	Cancer	NCEF	CEF
2-Chlorotoluene	--	--	--	--	--
2-Hexanone	--	--	--	--	--
4-Chlorotoluene	--	--	--	--	--
4-Isopropyltoluene	--	--	--	--	--
4-Methyl-2-Pentanone	--	31	--	--	--
Acetaldehyde	--	0.094	0.011	--	--
Acetone	--	320	--	--	--
Acetonitrile	--	0.63	--	--	--
Acetophenone	--	--	--	--	--
Acrolein	--	0.00021	--	--	--
Acrylonitrile	--	0.021	0.00036	--	--
Benzene	--	0.31	0.0031	--	--
Bis(2-Chloroethyl)ether	--	--	0.000074	--	--
Bis(chloromethyl)ether	--	--	0.00000039	--	--
Bromochloromethane	--	--	--	--	--
Bromodichloromethane	--	--	--	--	--
Bromoform	--	--	0.022	--	--
Bromomethane	--	0.052	--	--	--
Carbon Disulfide	--	7.3	--	--	--
Carbon Tetrachloride	--	2	0.0016	--	--
Chlorobenzene	--	0.52	--	--	--
Chloroethane	--	100	--	--	--
Chloroform	--	1	0.0011	--	--
Chloromethane	--	0.94	0.014	--	--
Chloroprene	--	0.073	--	--	--
cis-1,2-Dichloroethene	--	--	--	--	--
cis-1,3-Dichloropropene	--	--	--	--	--
Cyclohexane	--	63	--	--	--
Dibromochloromethane	--	--	--	--	--
Dibromomethane	--	--	--	--	--
Dichlorodifluoromethane (Freon 12)	--	2.1	--	--	--
Ethylbenzene	--	10	0.0097	--	--
Formaldehyde	--	0.1	0.0019	--	--
Hexane	--	7.3	--	--	--
Isobutyl Alcohol	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR21

	Soil Gas - mg/m3				
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	NonCancer	Cancer	NCEF	CEF
Isophorone	--	21	--	--	--
Isopropylbenzene	--	4.2	--	--	--
m,p-Xylenes	--	1	--	--	--
Methyl Acetate	--	--	--	--	--
Methyl tert-Butyl Ether	--	31	0.094	--	--
Methylcyclohexane	--	31	--	--	--
Methylene Chloride	--	11	0.052	--	--
n-Butylbenzene	--	--	--	--	--
n-Propylbenzene	--	--	--	--	--
o-Xylene	--	7.3	--	--	--
Pentachloroethane	--	--	--	--	--
sec-Butylbenzene	--	--	--	--	--
Styrene	--	10	--	--	--
tert-Butylbenzene	--	--	--	--	--
Tetrachloroethene	--	2.8	0.0041	--	--
Toluene	--	52	--	--	--
trans-1,2-Dichloroethene	--	0.63	--	--	--
trans-1,3-Dichloropropene	--	--	--	--	--
Trans-1,4-Dichloro-2-Butene	--	--	--	--	--
Trichloroethene	--	--	0.012	--	--
Trichlorofluoromethane	--	7.3	--	--	--
Vinyl Acetate	--	2.1	--	--	--
Vinyl Chloride	--	1	0.0016	--	--
Xylenes, Total	--	1	--	--	--
			TOTAL RISK	0	0
			BACKGROUND RISK	0	0
			INCREMENTAL RISK	0	0

-- = The chemical was not analyzed, not detected or no value was available.
CEF = Cancer exceedance factor. CEFs were calculated by dividing detected concentrations by cancer-based USEPA RSLs.
A CEF of 1 corresponds to a cancer risk of 1x10^-6 (one in a million).
NCEF = Noncancer exceedance factor. NCEFs were calculated by dividing detected concentrations by noncancer- based USEPA RSLs.
An NCEF of 1 corresponds to a Hazard Index of 1.
RSL = Regional Screening Level
USEPA = United States Environmental Protection Agency
Fecal Coliform, Fecal Steptococcus and Total Coliforms (including Fecal Coliform and E. Coli) are reported in CFU/100 mL.
Heterotrophic Plate Count is reported in CFU/1 mL.
Risk calculations may appear to not add correctly due to rounding.

Total Risk = The risk for all chemicals.
Background Risk = None of the volatile organic chemicals tested for in the soil gas samples are naturally occurring. Therefore, the background risk is zero.
Incremental Risk = The Total Risk. The risk management category for this location (i.e., Acceptable or Unacceptable) is based on this risk.

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR21

	Tap Water - mg/L										
			USEPA RSL					USEPA RSL			
			30-Year Exposure					30-Year Exposure			
			Inhalation		Ingestion			Inhalation		Ingestion	
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	NCEF	CEF	NCEF	CEF
Alkane Hydrocarbon											
Octane	--	--	--	--	--	--	--	--	--	--	--
Pentadecane	--	--	--	--	--	--	--	--	--	--	--
Tridecane	--	--	--	--	--	--	--	--	--	--	--
Undecane	--	--	--	--	--	--	--	--	--	--	--
Anion											
Chloride	9.24	--	--	--	--	--	--	--	--	--	--
Cyanide	--	0.2	--	--	0.73	--	--	--	--	--	--
Fluoride	--	4	--	--	--	--	--	--	--	--	--
Nitrate (measured as NO3-)	2.84	44.3	--	--	255.2	--	0.06	--	--	0.01	--
Nitrite (measured as NO2-)	--	3.29	--	--	12.21	--	--	--	--	--	--
Phosphate	--	--	--	--	--	--	--	--	--	--	--
Sulfate	8	--	--	--	--	--	--	--	--	--	--
Dioxins/Furans											
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.00000000034	0.00000003	--	--	0.000000037	0.0000000005	0.01	--	--	0.009	0.7
Disinfectants											
Chlorine (as Cl2)	0.07	4.01	--	--	--	--	0.02	--	--	--	--
Disinfection Byproducts											
Total Trihalomethanes	0.00158	0.0807	--	--	--	--	0.02	--	--	--	--
Field Parameters											
Dissolved Oxygen	8.92	--	--	--	--	--	--	--	--	--	--
Oxidation Reduction Potential	590	--	--	--	--	--	--	--	--	--	--
pH	7.26	--	--	--	--	--	--	--	--	--	--
Salinity	--	--	--	--	--	--	--	--	--	--	--
Specific Conductance	0.66	--	--	--	--	--	--	--	--	--	--
Temperature	24.6	--	--	--	--	--	--	--	--	--	--
Total Dissolved Solids	--	--	--	--	--	--	--	--	--	--	--
Total Solids	--	--	--	--	--	--	--	--	--	--	--
Turbidity	--	--	--	--	--	--	--	--	--	--	--
Inorganics											
Aluminum	--	--	--	--	37	--	--	--	--	--	--
Antimony	0.000289	0.006	--	--	0.015	--	0.05	--	--	0.02	--
Arsenic	0.00357	0.01	--	--	0.011	0.000045	0.4	--	--	0.3	**79.3**
Barium	0.0148	2	--	--	7.3	--	0.007	--	--	0.002	--
Beryllium	--	0.004	--	--	0.073	--	--	--	--	--	--
Cadmium (Diet)	--	--	--	--	--	--	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR21

	Tap Water - mg/L										
			USEPA RSL					USEPA RSL			
			30-Year Exposure					30-Year Exposure			
			Inhalation		Ingestion			Inhalation		Ingestion	
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	NCEF	CEF	NCEF	CEF
Cadmium (Water)	0.0000455	0.005	--	--	0.018	--	0.009	--	--	0.003	--
Chromium	0.000484	0.1	--	--	--	--	0.005	--	--	--	--
Cobalt	0.00017	--	--	--	--	--	--	--	--	--	--
Copper	0.254	--	--	--	1.5	--	--	--	--	0.2	--
Iron	0.0756	--	--	--	26	--	--	--	--	0.003	--
Lead	0.00485	--	--	--	0.02	--	--	--	--	0.2	--
Manganese (Diet)	--	--	--	--	--	--	--	--	--	--	--
Manganese (Water)	0.00692	--	--	--	0.88	--	--	--	--	0.008	--
Mercury	--	0.002	0.00063	--	--	--	--	--	--	--	--
Nickel	0.345	--	--	--	0.73	--	--	--	--	0.5	--
Selenium	--	0.05	--	--	0.18	--	--	--	--	--	--
Silver	--	--	--	--	0.18	--	--	--	--	--	--
Thallium	--	0.002	--	--	0.0024	--	--	--	--	--	--
Tin	0.000185	--	--	--	22	--	--	--	--	0.000008	--
Vanadium	--	--	--	--	0.26	--	--	--	--	--	--
Zinc	0.594	--	--	--	11	--	--	--	--	0.05	--
Microorganisms											
Fecal Coliform	--	0	--	--	--	--	--	--	--	--	--
Fecal Streptococcus	0	--	--	--	--	--	--	--	--	--	--
Heterotrophic Plate Count	210	--	--	--	--	--	--	--	--	--	--
Total Coliforms (including Fecal Coliform and E. Coli)	--	0	--	--	--	--	--	--	--	--	--
Pesticides											
4,4-DDD	--	--	--	--	--	0.00028	--	--	--	--	--
4,4-DDE	--	--	--	--	--	0.0002	--	--	--	--	--
4,4-DDT	--	--	--	--	0.018	0.0002	--	--	--	--	--
Aldrin	--	--	--	--	0.0011	0.000004	--	--	--	--	--
alpha-BHC	--	--	--	--	--	0.000011	--	--	--	--	--
alpha-Chlordane	--	0.002	--	--	--	--	--	--	--	--	--
beta-BHC	--	--	--	--	--	0.000037	--	--	--	--	--
Chlordane	--	0.002	--	--	0.018	0.00019	--	--	--	--	--
delta-BHC	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	--	--	--	--	0.0018	0.0000042	--	--	--	--	--
Endosulfan I	--	--	--	--	--	--	--	--	--	--	--
Endosulfan II	--	--	--	--	--	--	--	--	--	--	--
Endosulfan Sulfate	--	--	--	--	--	--	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR21

	Tap Water - mg/L										
			USEPA RSL					USEPA RSL			
			30-Year Exposure					30-Year Exposure			
			Inhalation		Ingestion			Inhalation		Ingestion	
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	NCEF	CEF	NCEF	CEF
Endrin	--	0.002	--	--	0.011	--	--	--	--	--	--
Endrin Aldehyde	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC (Lindane)	--	0.0002	--	--	0.011	0.000061	--	--	--	--	--
gamma-Chlordane	--	0.002	--	--	0.018	0.00019	--	--	--	--	--
Heptachlor	--	0.0004	--	--	0.018	0.000015	--	--	--	--	--
Heptachlor Epoxide	--	0.0002	--	--	0.00047	0.0000074	--	--	--	--	--
Methoxychlor	--	0.04	--	--	0.18	--	--	--	--	--	--
Toxaphene	--	0.003	--	--	--	0.000061	--	--	--	--	--
Polychlorinated bi-phenyls											
Aroclor 1016	--	--	--	--	0.0026	0.00096	--	--	--	--	--
Aroclor 1016/1260	--	--	--	--	0.0026	0.000034	--	--	--	--	--
Aroclor 1221	--	--	--	0.0000085	--	0.000034	--	--	--	--	--
Aroclor 1232	--	--	--	0.0000085	--	0.000034	--	--	--	--	--
Aroclor 1242	--	--	--	--	--	0.000034	--	--	--	--	--
Aroclor 1248	--	--	--	--	--	0.000034	--	--	--	--	--
Aroclor 1254	--	--	--	--	0.00073	0.000034	--	--	--	--	--
Aroclor 1260	--	--	--	--	--	0.000034	--	--	--	--	--
Radionuclides											
Uranium	0.000937	0.03	--	--	0.11	--	0.03	--	--	0.009	--
Semi-Volatile Organic Compounds											
1,1'-Biphenyl	--	--	--	--	1.8	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	--	--	--	--	0.011	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	--	--	--	--	1.1	--	--	--	--	--	--
2,4,5-Trichlorophenol	--	--	--	--	3.7	--	--	--	--	--	--
2,4,6-Trichlorophenol	--	--	--	--	0.037	0.0061	--	--	--	--	--
2,4-Dichlorophenol	--	--	--	--	0.11	--	--	--	--	--	--
2,4-Dimethylphenol	--	--	--	--	0.73	--	--	--	--	--	--
2,4-Dinitrophenol	--	--	--	--	0.073	--	--	--	--	--	--
2,4-Dinitrotoluene	--	--	--	--	0.073	--	--	--	--	--	--
2,6-Dichlorophenol	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	--	--	--	--	0.037	--	--	--	--	--	--
2-Chloronaphthalene	--	--	--	--	2.9	--	--	--	--	--	--
2-Chlorophenol	--	--	--	--	0.18	--	--	--	--	--	--
2-Methylnaphthalene	--	--	--	--	0.15	--	--	--	--	--	--
2-Methylphenol (o-Cresol)	--	--	--	--	1.8	--	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR21

	Tap Water - mg/L										
			USEPA RSL					USEPA RSL			
			30-Year Exposure					30-Year Exposure			
			Inhalation		Ingestion			Inhalation		Ingestion	
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	NCEF	CEF	NCEF	CEF
2-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--
3&4-Methylphenol	--	--	--	--	0.18	--	--	--	--	--	--
3-Methylphenol	--	--	--	--	1.8	--	--	--	--	--	--
3-Nitroaniline	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-Methylphenol	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenylphenylether	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-Methylphenol	--	--	--	--	--	--	--	--	--	--	--
4-Chloroanaline	--	--	--	--	0.15	--	--	--	--	--	--
4-Methylphenol (p-Cresol)	--	--	--	--	0.18	--	--	--	--	--	--
4-Nitroaniline	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	--	--	--	--	2.2	--	--	--	--	--	--
Acenaphthylene	--	--	--	--	--	--	--	--	--	--	--
Aniline	--	--	--	--	0.26	0.012	--	--	--	--	--
Anthracene	--	--	--	--	11	--	--	--	--	--	--
Atrazine	--	0.003	--	--	1.3	0.00029	--	--	--	--	--
Benzo(g,h,i)perylene	--	--	--	--	--	--	--	--	--	--	--
Bis(2-ethylhexyl)phthalate	--	0.006	--	--	0.73	0.0048	--	--	--	--	--
Butylbenzylphthalate	--	--	--	--	7.3	--	--	--	--	--	--
Carbazole	--	--	--	--	--	0.0034	--	--	--	--	--
Di-n-butylphthalate	--	--	--	--	3.7	--	--	--	--	--	--
Di-n-octylphthalate	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	--	--	--	--	--	--	--	--	--	--	--
Diethylphthalate	--	--	--	--	29	--	--	--	--	--	--
Dimethylphthalate	--	--	--	--	--	--	--	--	--	--	--
Diphenylamine	--	--	--	--	0.91	--	--	--	--	--	--
Fluoranthene	--	--	--	--	1.5	--	--	--	--	--	--
Fluorene	--	--	--	--	1.5	--	--	--	--	--	--
Hexachlorobenzene	--	0.001	--	--	0.029	0.000042	--	--	--	--	--
Hexachlorobutadiene	--	--	--	--	0.037	0.00086	--	--	--	--	--
Hexachlorocyclopentadiene	--	0.05	--	--	0.22	--	--	--	--	--	--
Hexachloroethane	--	--	--	--	0.037	0.0048	--	--	--	--	--
Naphthalene	--	--	0.0063	0.00014	0.73	--	--	--	--	--	--
Nitrobenzene	--	--	0.0042	--	0.018	--	--	--	--	--	--
o-Toluidine	--	--	--	--	--	0.00037	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR21

	Tap Water - mg/L										
			USEPA RSL					USEPA RSL			
			30-Year Exposure					30-Year Exposure			
			Inhalation		Ingestion			Inhalation		Ingestion	
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	NCEF	CEF	NCEF	CEF
Pentachlorobenzene	--	--	--	--	0.029	--	--	--	--	--	--
Pentachloronitrobenzene	--	--	--	--	0.11	0.00026	--	--	--	--	--
Pentachlorophenol	--	0.001	--	--	1.1	0.00056	--	--	--	--	--
Phenanthrene	--	--	--	--	--	--	--	--	--	--	--
Phenol	--	--	--	--	11	--	--	--	--	--	--
Pyrene	--	--	--	--	1.1	--	--	--	--	--	--
Total Carcinogenic PAHS (BaP TEQs)	--	0.0002	--	--	--	0.0000029	--	--	--	--	--
Total Petroleum Hydrocarbon											
Tph (c03-c20)	--	--	--	--	--	--	--	--	--	--	--
Tph (c08-c40)	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds											
1,1,1,2-Tetrachloroethane	--	--	--	0.00066	1.1	0.0026	--	--	--	--	--
1,1,1-Trichloroethane	--	0.2	10	--	73	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	--	--	--	0.000084	--	0.00034	--	--	--	--	--
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	--	63	--	1100	--	--	--	--	--	--
1,1,2-Trichloroethane	--	0.005	--	0.0003	0.15	0.0012	--	--	--	--	--
1,1-Dichloroethane	--	--	1	0.003	7.3	0.012	--	--	--	--	--
1,1-Dichloroethene	--	0.007	0.42	--	1.8	--	--	--	--	--	--
1,2,3-Trichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	--	--	--	--	0.22	0.0000096	--	--	--	--	--
1,2,4-Trichlorobenzene	--	0.07	--	--	0.37	0.019	--	--	--	--	--
1,2,4-Trimethylbenzene	--	--	0.015	--	--	--	--	--	--	--	--
1,2-Dibromo-3-Chloropropane	--	0.0002	0.00042	0.00000032	0.0073	0.000027	--	--	--	--	--
1,2-Dibromoethane	--	0.00005	0.019	0.0000081	0.33	0.000034	--	--	--	--	--
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	--	0.6	0.42	--	3.3	--	--	--	--	--	--
1,2-Dichloroethane	--	0.005	5.1	0.00019	--	0.00074	--	--	--	--	--
1,2-Dichloropropane	--	0.005	0.0083	0.00049	--	0.0019	--	--	--	--	--
1,3,5-Trimethylbenzene	--	--	--	--	--	--	--	--	--	--	--
1,3-Butadiene	--	--	0.0042	0.00016	--	--	--	--	--	--	--
1,3-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	--	--	--	--	0.73	--	--	--	--	--	--
1,4-Dichlorobenzene	--	0.075	1.7	0.00044	--	0.012	--	--	--	--	--
2,2-Dichloropropane	--	--	--	--	--	--	--	--	--	--	--
2-Butanone (methyl ethyl ketone)	--	--	10	--	22	--	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR21

	Tap Water - mg/L										
			USEPA RSL					USEPA RSL			
			30-Year Exposure					30-Year Exposure			
			Inhalation		Ingestion			Inhalation		Ingestion	
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	NCEF	CEF	NCEF	CEF
2-Chlorotoluene	--	--	--	--	0.73	--	--	--	--	--	--
2-Hexanone	--	--	--	--	--	--	--	--	--	--	--
4-Chlorotoluene	--	--	--	--	2.6	--	--	--	--	--	--
4-Isopropyltoluene	--	--	--	--	--	--	--	--	--	--	--
4-Methyl-2-Pentanone	--	--	6.3	--	2.9	--	--	--	--	--	--
Acetaldehyde	--	--	0.019	0.0022	--	--	--	--	--	--	--
Acetone	0.00104	--	64	--	33	--	--	0.00002	--	0.00003	--
Acetonitrile	--	--	0.13	--	--	--	--	--	--	--	--
Acetophenone	--	--	--	--	3.7	--	--	--	--	--	--
Acrolein	--	--	0.000042	--	0.018	--	--	--	--	--	--
Acrylonitrile	--	--	0.0042	0.000072	0.037	0.00012	--	--	--	--	--
Benzene	--	0.005	0.063	0.00062	0.15	0.0012	--	--	--	--	--
Bis(2-Chloroethyl)ether	--	--	--	0.000015	--	0.000061	--	--	--	--	--
Bis(chloromethyl)ether	--	--	--	0.000000078	--	0.00000031	--	--	--	--	--
Bromochloromethane	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	0.000223	--	--	--	0.73	0.0011	--	--	--	0.0003	0.2
Bromoform	0.000872	--	--	--	0.73	0.0085	--	--	--	0.001	0.1
Bromomethane	--	--	0.01	--	0.051	--	--	--	--	--	--
Carbon Disulfide	--	--	1.5	--	3.7	--	--	--	--	--	--
Carbon Tetrachloride	--	0.005	0.39	0.00032	0.026	0.00052	--	--	--	--	--
Chlorobenzene	--	0.1	0.1	--	0.73	--	--	--	--	--	--
Chloroethane	--	--	21	--	--	--	--	--	--	--	--
Chloroform	0.000106	--	0.2	0.00021	0.37	0.0022	--	0.0005	0.5	0.0003	0.05
Chloromethane	--	--	0.19	0.0027	--	0.0052	--	--	--	--	--
Chloroprene	--	--	0.015	--	0.73	--	--	--	--	--	--
cis-1,2-Dichloroethene	--	0.07	--	--	0.37	--	--	--	--	--	--
cis-1,3-Dichloropropene	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	--	--	13	--	--	--	--	--	--	--	--
Dibromochloromethane	0.000379	--	--	--	0.73	0.0008	--	--	--	0.0005	0.5
Dibromomethane	--	--	--	--	0.37	--	--	--	--	--	--
Dichlorodifluoromethane (Freon 12)	--	--	0.42	--	7.3	--	--	--	--	--	--
Ethylbenzene	--	0.7	2.1	0.0019	3.7	0.0061	--	--	--	--	--
Formaldehyde	--	--	--	--	7.3	--	--	--	--	--	--
Hexane	--	--	1.5	--	2.2	--	--	--	--	--	--
Isobutyl Alcohol	--	--	--	--	11	--	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR21

	Tap Water - mg/L										
			USEPA RSL					USEPA RSL			
			30-Year Exposure					30-Year Exposure			
			Inhalation		Ingestion			Inhalation		Ingestion	
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	NCEF	CEF	NCEF	CEF
Isophorone	--	--	--	--	7.3	0.071	--	--	--	--	--
Isopropylbenzene	--	--	0.83	--	3.7	--	--	--	--	--	--
m,p-Xylenes	--	--	0.21	--	7.3	--	--	--	--	--	--
Methyl Acetate	--	--	--	--	37	--	--	--	--	--	--
Methyl tert-Butyl Ether	--	--	6.3	0.019	--	0.037	--	--	--	--	--
Methylcyclohexane	--	--	6.3	--	--	--	--	--	--	--	--
Methylene Chloride	--	0.005	2.2	0.01	2.2	0.009	--	--	--	--	--
n-Butylbenzene	--	--	--	--	--	--	--	--	--	--	--
n-Propylbenzene	--	--	--	--	--	--	--	--	--	--	--
o-Xylene	--	--	1.5	--	73	--	--	--	--	--	--
Pentachloroethane	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	--	--	--	--	--	--	--	--	--	--	--
Styrene	--	0.1	2.1	--	7.3	--	--	--	--	--	--
tert-Butylbenzene	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	--	0.005	0.57	0.00082	0.37	0.00012	--	--	--	--	--
Toluene	--	1	10	--	2.9	--	--	--	--	--	--
trans-1,2-Dichloroethene	--	0.1	0.13	--	0.73	--	--	--	--	--	--
trans-1,3-Dichloropropene	--	--	--	--	--	--	--	--	--	--	--
Trans-1,4-Dichloro-2-Butene	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	--	0.005	--	0.0024	--	0.0052	--	--	--	--	--
Trichlorofluoromethane	--	--	1.5	--	11	--	--	--	--	--	--
Vinyl Acetate	--	--	0.42	--	37	--	--	--	--	--	--
Vinyl Chloride	--	0.002	0.21	0.00032	0.11	0.000017	--	--	--	--	--
Xylenes, Total	--	10	0.21	--	7.3	--	--	--	--	--	--
							TOTAL RISK	0.0005	0.5	1.3	80.8
							BACKGROUND RISK	0	0	0.9	79.3
							INCREMENTAL RISK	0.0005	0.5	0.4	1.5

-- = The chemical was not analyzed, not detected or no value was available.
CEF = Cancer exceedance factor. CEFs were calculated by dividing detected concentrations by cancer-based USEPA RSLs.
A CEF of 1 corresponds to a cancer risk of 1x10^-6 (one in a million).
NCEF = Noncancer exceedance factor. NCEFs were calculated by dividing detected concentrations by noncancer-based USEPA RSLs.
An NCEF of 1 corresponds to a Hazard Index of 1.
RSL = Regional Screening Level
USEPA = United States Environmental Protection Agency
USEPA MCL EF = USEPA Maximum Contaminant Level Exceedance Factor. USEPA MCL EFs were calculated by dividing detected concentrations by the USEPA MCLs.
USEPA MCL = USEPA Maximum Contaminant Levels (http://www.epa.gov/ogwdw/contaminants/index.html).
Fecal Coliform, Fecal Steptococcus and Total Coliforms (including Fecal Coliform and E. Coli) are reported in CFU/100 mL (CFU = colony forming units).
Heterotrophic Plate Count is reported in CFU/1 mL.
Risk calculations may appear to not add correctly due to rounding.

Total Risk = The risk for all chemicals.
Background Risk = The risk for chemicals (i.e., inorganic elements) that are naturally occurring in the environment but does not include lead, copper and thallium.
Incremental Risk = The risk for chemicals that are not naturally occurring in the environment. The risk management category for this location
(i.e., Acceptable or Unacceptable) is based on this risk. This includes lead, copper and thallium.
The ingestion exceedance factors are presented for informational purposes only. The risk-management decision (i.e., Acceptable or Unacceptable) will be made
based on inhalation because the Navy leadership has stated that all personnel should be using bottled water for drinking, cooking, and brushing teeth.

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR24

	Soil - mg/kg					
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	NonCancer	Cancer	NCEF	CEF
Alkane Hydrocarbon						
Octane	--	--	--	--	--	--
Pentadecane	--	--	--	--	--	--
Tridecane	--	--	--	--	--	--
Undecane	--	--	--	--	--	--
Anion						
Chloride	--	--	--	--	--	--
Cyanide	--	--	1600	--	--	--
Fluoride	--	--	--	--	--	--
Nitrate (measured as NO3-)	--	--	572000	--	--	--
Nitrite (measured as NO2-)	--	--	25740	--	--	--
Phosphate	--	--	--	--	--	--
Sulfate	--	--	--	--	--	--
Dioxins/Furans						
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.0000010463	--	0.000072	0.0000045	0.01	0.2
Disinfectants						
Chlorine (as Cl2)	--	--	--	--	--	--
Disinfection Byproducts						
Total Trihalomethanes	--	--	--	--	--	--
Field Parameters						
Dissolved Oxygen	--	--	--	--	--	--
Oxidation Reduction Potential	--	--	--	--	--	--
pH	--	--	--	--	--	--
Salinity	--	--	--	--	--	--
Specific Conductance	--	--	--	--	--	--
Temperature	--	--	--	--	--	--
Total Dissolved Solids	--	--	--	--	--	--
Total Solids	91	--	--	--	--	--
Turbidity	--	--	--	--	--	--
Inorganics						
Aluminum	36600	86900	77000	--	0.5	--
Antimony	0.692	42.8	31	--	0.02	--
Arsenic	13.2	164	22	0.39	0.6	**33.8**
Barium	279	1813	15000	--	0.02	--
Beryllium	4.96	--	160	1400	0.03	0.004
Cadmium (Diet)	0.268	10.6	70	1800	0.004	0.0001

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR24

	Soil - mg/kg					
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	NonCancer	Cancer	NCEF	CEF
Cadmium (Water)	--	--	--	--	--	--
Chromium	5.58	579	--	--	--	--
Cobalt	5.05	36.6	--	--	--	--
Copper	49.2	3965	3100	--	0.02	--
Iron	18300	154600	55000	--	0.3	--
Lead	49	2052	400	--	0.1	--
Manganese (Diet)	654	5923	--	--	--	--
Manganese (Water)	--	--	1800	--	--	--
Mercury	--	2.66	6.7	--	--	--
Nickel	5.89	689	1600	--	0.004	--
Selenium	--	1.9	390	--	--	--
Silver	0.135	8.132	390	--	0.0003	--
Thallium	1.42	69	5.1	--	0.3	--
Tin	4.16	--	47000	--	0.00009	--
Vanadium	38.7	187	550	--	0.07	--
Zinc	85.09999999999999	3211	23000	--	0.004	--
Microorganisms						
Fecal Coliform	--	--	--	--	--	--
Fecal Streptococcus	--	--	--	--	--	--
Heterotrophic Plate Count	--	--	--	--	--	--
Total Coliforms (including Fecal Coliform and E. Coli)	--	--	--	--	--	--
Pesticides						
4,4-DDD	--	--	--	2	--	--
4,4-DDE	--	--	--	1.4	--	--
4,4-DDT	--	--	36	1.7	--	--
Aldrin	--	--	1.8	0.029	--	--
alpha-BHC	--	--	--	0.077	--	--
alpha-Chlordane	--	--	--	--	--	--
beta-BHC	--	--	--	0.27	--	--
Chlordane	--	--	35	1.6	--	--
delta-BHC	--	--	--	--	--	--
Dieldrin	--	--	3.1	0.03	--	--
Endosulfan I	--	--	--	--	--	--
Endosulfan II	--	--	--	--	--	--
Endosulfan Sulfate	--	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR24

	Soil - mg/kg					
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	NonCancer	Cancer	NCEF	CEF
Endrin	--	--	18	--	--	--
Endrin Aldehyde	--	--	--	--	--	--
gamma-BHC (Lindane)	--	--	21	0.52	--	--
gamma-Chlordane	--	--	35	1.6	--	--
Heptachlor	--	--	31	0.11	--	--
Heptachlor Epoxide	--	--	0.79	0.053	--	--
Methoxychlor	--	--	310	--	--	--
Toxaphene	--	--	--	0.44	--	--
Polychlorinated bi-phenyls						
Aroclor 1016	--	--	3.9	6.3	--	--
Aroclor 1016/1260	--	--	3.9	0.22	--	--
Aroclor 1221	--	--	--	0.17	--	--
Aroclor 1232	--	--	--	0.17	--	--
Aroclor 1242	--	--	--	0.22	--	--
Aroclor 1248	--	--	--	0.22	--	--
Aroclor 1254	--	--	1.1	0.22	--	--
Aroclor 1260	--	--	--	0.22	--	--
Radionuclides						
Uranium	--	--	230	--	--	--
Semi-Volatile Organic Compounds						
1,1'-Biphenyl	--	--	3900	--	--	--
1,2,4,5-Tetrachlorobenzene	--	--	18	--	--	--
2,3,4,6-Tetrachlorophenol	--	--	1800	--	--	--
2,4,5-Trichlorophenol	--	--	6100	--	--	--
2,4,6-Trichlorophenol	--	--	61	44	--	--
2,4-Dichlorophenol	--	--	180	--	--	--
2,4-Dimethylphenol	--	--	1200	--	--	--
2,4-Dinitrophenol	--	--	120	--	--	--
2,4-Dinitrotoluene	--	--	120	--	--	--
2,6-Dichlorophenol	--	--	--	--	--	--
2,6-Dinitrotoluene	--	--	61	--	--	--
2-Chloronaphthalene	--	--	6300	--	--	--
2-Chlorophenol	--	--	390	--	--	--
2-Methylnaphthalene	--	--	310	--	--	--
2-Methylphenol (o-Cresol)	--	--	3100	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR24

	Soil - mg/kg					
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	NonCancer	Cancer	NCEF	CEF
2-Nitrophenol	--	--	--	--	--	--
3&4-Methylphenol	--	--	310	--	--	--
3-Methylphenol	--	--	3100	--	--	--
3-Nitroaniline	--	--	--	--	--	--
4,6-Dinitro-2-Methylphenol	--	--	--	--	--	--
4-Bromophenylphenylether	--	--	--	--	--	--
4-Chloro-3-Methylphenol	--	--	--	--	--	--
4-Chloroanaline	--	--	240	--	--	--
4-Methylphenol (p-Cresol)	--	--	310	--	--	--
4-Nitroaniline	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--
Acenaphthene	--	--	3400	--	--	--
Acenaphthylene	--	--	--	--	--	--
Aniline	--	--	430	85	--	--
Anthracene	--	--	17000	--	--	--
Atrazine	--	--	2100	2.1	--	--
Benzo(g,h,i)perylene	--	--	--	--	--	--
Bis(2-ethylhexyl)phthalate	--	--	1200	35	--	--
Butylbenzylphthalate	--	--	12000	--	--	--
Carbazole	--	--	--	24	--	--
Di-n-butylphthalate	--	--	6100	--	--	--
Di-n-octylphthalate	--	--	--	--	--	--
Dibenzofuran	--	--	--	--	--	--
Diethylphthalate	--	--	49000	--	--	--
Dimethylphthalate	--	--	--	--	--	--
Diphenylamine	--	--	1500	--	--	--
Fluoranthene	--	--	2300	--	--	--
Fluorene	--	--	2300	--	--	--
Hexachlorobenzene	--	--	49	0.3	--	--
Hexachlorobutadiene	--	--	61	6.2	--	--
Hexachlorocyclopentadiene	--	--	370	--	--	--
Hexachloroethane	--	--	61	35	--	--
Naphthalene	--	--	150	3.9	--	--
Nitrobenzene	--	--	31	--	--	--
o-Toluidine	--	--	--	2.7	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR24

Chemical	Soil - mg/kg					
	Maximum Detected Concentration	Naples, Italy Background (Maximum)	USEPA RSL 30-Year Exposure		USEPA RSL 30-Year Exposure	
			NonCancer	Cancer	NCEF	CEF
Pentachlorobenzene	--	--	49	--	--	--
Pentachloronitrobenzene	--	--	180	1.9	--	--
Pentachlorophenol	--	--	1400	3	--	--
Phenanthrene	--	--	--	--	--	--
Phenol	--	--	18000	--	--	--
Pyrene	--	--	1700	--	--	--
Total Carcinogenic PAHS (BaP TEQs)	--	--	--	0.015	--	--
Total Petroleum Hydrocarbon						
Tph (c03-c20)	--	--	--	--	--	--
Tph (c08-c40)	--	--	--	--	--	--
Volatile Organic Compounds						
1,1,1,2-Tetrachloroethane	--	--	2300	2	--	--
1,1,1-Trichloroethane	--	--	9000	--	--	--
1,1,2,2-Tetrachloroethane	--	--	--	0.59	--	--
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	--	43000	--	--	--
1,1,2-Trichloroethane	--	--	310	1.1	--	--
1,1-Dichloroethane	--	--	1100	3.4	--	--
1,1-Dichloroethene	--	--	250	--	--	--
1,2,3-Trichlorobenzene	--	--	--	--	--	--
1,2,3-Trichloropropane	--	--	470	0.091	--	--
1,2,4-Trichlorobenzene	--	--	780	180	--	--
1,2,4-Trimethylbenzene	--	--	67	--	--	--
1,2-Dibromo-3-Chloropropane	--	--	5.1	0.0056	--	--
1,2-Dibromoethane	--	--	79	0.034	--	--
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	--	--	--	--	--	--
1,2-Dichlorobenzene	--	--	2000	--	--	--
1,2-Dichloroethane	--	--	13000	0.45	--	--
1,2-Dichloropropane	--	--	17	0.93	--	--
1,3,5-Trimethylbenzene	--	--	--	--	--	--
1,3-Butadiene	--	--	2	0.077	--	--
1,3-Dichlorobenzene	--	--	--	--	--	--
1,3-Dichloropropane	--	--	1600	--	--	--
1,4-Dichlorobenzene	--	--	10000	2.6	--	--
2,2-Dichloropropane	--	--	--	--	--	--
2-Butanone (methyl ethyl ketone)	--	--	28000	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR24

	Soil - mg/kg					
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	NonCancer	Cancer	NCEF	CEF
2-Chlorotoluene	--	--	1600	--	--	--
2-Hexanone	--	--	--	--	--	--
4-Chlorotoluene	--	--	5500	--	--	--
4-Isopropyltoluene	--	--	--	--	--	--
4-Methyl-2-Pentanone	--	--	5300	--	--	--
Acetaldehyde	--	--	89	11	--	--
Acetone	--	--	61000	--	--	--
Acetonitrile	--	--	870	--	--	--
Acetophenone	--	--	7800	--	--	--
Acrolein	--	--	0.16	--	--	--
Acrylonitrile	--	--	14	0.24	--	--
Benzene	--	--	90	1.1	--	--
Bis(2-Chloroethyl)ether	--	--	--	0.19	--	--
Bis(chloromethyl)ether	--	--	--	0.00027	--	--
Bromochloromethane	--	--	--	--	--	--
Bromodichloromethane	--	--	1600	10	--	--
Bromoform	--	--	1200	61	--	--
Bromomethane	--	--	7.9	--	--	--
Carbon Disulfide	--	--	670	--	--	--
Carbon Tetrachloride	--	--	47	0.25	--	--
Chlorobenzene	--	--	310	--	--	--
Chloroethane	--	--	15000	--	--	--
Chloroform	--	--	220	0.3	--	--
Chloromethane	--	--	120	1.7	--	--
Chloroprene	--	--	8.6	--	--	--
cis-1,2-Dichloroethene	--	--	780	--	--	--
cis-1,3-Dichloropropene	--	--	--	--	--	--
Cyclohexane	--	--	7200	--	--	--
Dibromochloromethane	--	--	1200	5.8	--	--
Dibromomethane	--	--	780	--	--	--
Dichlorodifluoromethane (Freon 12)	--	--	190	--	--	--
Ethylbenzene	--	--	3600	5.7	--	--
Formaldehyde	--	--	12000	250000	--	--
Hexane	--	--	570	--	--	--
Isobutyl Alcohol	--	--	23000	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR24

	Soil - mg/kg					
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	NonCancer	Cancer	NCEF	CEF
Isophorone	--	--	12000	510	--	--
Isopropylbenzene	--	--	2200	--	--	--
m,p-Xylenes	--	--	600	--	--	--
Methyl Acetate	--	--	78000	--	--	--
Methyl tert-Butyl Ether	--	--	15000	39	--	--
Methylcyclohexane	--	--	3400	--	--	--
Methylene Chloride	--	--	1700	11	--	--
n-Butylbenzene	--	--	--	--	--	--
n-Propylbenzene	--	--	--	--	--	--
o-Xylene	--	--	5300	--	--	--
Pentachloroethane	--	--	--	--	--	--
sec-Butylbenzene	--	--	--	--	--	--
Styrene	--	--	6500	--	--	--
tert-Butylbenzene	--	--	--	--	--	--
Tetrachloroethene	--	--	380	0.57	--	--
Toluene	--	--	5000	--	--	--
trans-1,2-Dichloroethene	--	--	110	--	--	--
trans-1,3-Dichloropropene	--	--	--	--	--	--
Trans-1,4-Dichloro-2-Butene	--	--	--	--	--	--
Trichloroethene	--	--	--	2.8	--	--
Trichlorofluoromethane	--	--	800	--	--	--
Vinyl Acetate	--	--	990	--	--	--
Vinyl Chloride	--	--	74	0.06	--	--
Xylenes, Total	--	--	600	--	--	--
				TOTAL RISK	2.0	34.1
				BACKGROUND RISK	1.9	33.8
				INCREMENTAL RISK	0.05	0.2

-- = The chemical was not analyzed, not detected or no value was available.

CEF = Cancer exceedance factor. CEFs were calculated by dividing detected concentrations by cancer-based USEPA RSLs. A CEF of 1 corresponds to a cancer risk of 1x10^-6 (one in a million).

Naples, Italy Background (Maximum) = Cicchella, Domencio, et al. *Background and baseline concentration values of elements harmful to human health in the volcanic soils of the metorpolitan and provincial areas of Napoli (Italy).* Geochemistry: Exploration, Environment, Analysis Vol. 5 2005, pp.29-40.

NCEF = Noncancer exceedance factor. NCEFs were calculated by dividing detected concentrations by noncancer- based USEPA RSLs. An NCEF of 1 corresponds to a Hazard Index of 1.

RSL = Regional Screening Level

USEPA = United States Environmental Protection Agency

Fecal Coliform, Fecal Steptococcus and Total Coliforms (including Fecal Coliform and E. Coli) are reported in CFU/100 mL.

Heterotrophic Plate Count is reported in CFU/1 mL.

Risk calculations may appear to not add correctly due to rounding.

Total Risk = The risk for all chemicals.

Background Risk = The risk for chemicals (i.e., inorganic elements) that are present at concentrations less than or equal to the Naples, Italy Background (Maximum) concentrations.

Incremental Risk = The risk for chemicals that are not naturally occurring in the environment. The risk management category for this location (i.e., Acceptable or Unacceptable) is based on this risk.

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR24

	Soil Gas - mg/m3				
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	NonCancer	Cancer	NCEF	CEF
Alkane Hydrocarbon					
Octane	--	--	--	--	--
Pentadecane	--	--	--	--	--
Tridecane	--	--	--	--	--
Undecane	--	--	--	--	--
Anion					
Chloride	--	--	--	--	--
Cyanide	--	--	--	--	--
Fluoride	--	--	--	--	--
Nitrate (measured as NO3-)	--	--	--	--	--
Nitrite (measured as NO2-)	--	--	--	--	--
Phosphate	--	--	--	--	--
Sulfate	--	--	--	--	--
Dioxins/Furans					
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	--	--	0.00000000064	--	--
Disinfectants					
Chlorine (as Cl2)	--	--	--	--	--
Disinfection Byproducts					
Total Trihalomethanes	--	--	--	--	--
Field Parameters					
Dissolved Oxygen	--	--	--	--	--
Oxidation Reduction Potential	--	--	--	--	--
pH	--	--	--	--	--
Salinity	--	--	--	--	--
Specific Conductance	--	--	--	--	--
Temperature	--	--	--	--	--
Total Dissolved Solids	--	--	--	--	--
Total Solids	--	--	--	--	--
Turbidity	--	--	--	--	--
Inorganics					
Aluminum	--	0.052	--	--	--
Antimony	--	--	--	--	--
Arsenic	--	0.00031	0.0000057	--	--
Barium	--	0.0052	--	--	--
Beryllium	--	0.00021	0.00001	--	--
Cadmium (Diet)	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR24

	Soil Gas - mg/m3				
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	NonCancer	Cancer	NCEF	CEF
Cadmium (Water)	--	--	0.000014	--	--
Chromium	--	--	--	--	--
Cobalt	--	--	--	--	--
Copper	--	--	--	--	--
Iron	--	--	--	--	--
Lead	--	0.017	--	--	--
Manganese (Diet)	--	--	--	--	--
Manganese (Water)	--	0.00052	--	--	--
Mercury	--	0.0031	--	--	--
Nickel	--	--	--	--	--
Selenium	--	--	--	--	--
Silver	--	--	--	--	--
Thallium	--	--	--	--	--
Tin	--	--	--	--	--
Vanadium	--	--	--	--	--
Zinc	--	--	--	--	--
Microorganisms					
Fecal Coliform	--	--	--	--	--
Fecal Streptococcus	--	--	--	--	--
Heterotrophic Plate Count	--	--	--	--	--
Total Coliforms (including Fecal Coliform and E. Coli)	--	--	--	--	--
Pesticides					
4,4-DDD	--	--	--	--	--
4,4-DDE	--	--	--	--	--
4,4-DDT	--	--	0.00025	--	--
Aldrin	--	--	0.000005	--	--
alpha-BHC	--	--	0.000014	--	--
alpha-Chlordane	--	--	--	--	--
beta-BHC	--	--	0.000046	--	--
Chlordane	--	0.0073	0.00024	--	--
delta-BHC	--	--	--	--	--
Dieldrin	--	--	0.0000053	--	--
Endosulfan I	--	--	--	--	--
Endosulfan II	--	--	--	--	--
Endosulfan Sulfate	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR24

	Soil Gas - mg/m3				
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	NonCancer	Cancer	NCEF	CEF
Endrin	--	--	--	--	--
Endrin Aldehyde	--	--	--	--	--
gamma-BHC (Lindane)	--	--	0.000078	--	--
gamma-Chlordane	--	0.0073	0.00024	--	--
Heptachlor	--	--	0.000019	--	--
Heptachlor Epoxide	--	--	0.0000094	--	--
Methoxychlor	--	--	--	--	--
Toxaphene	--	--	0.000076	--	--
Polychlorinated bi-phenyls					
Aroclor 1016	--	--	0.0012	--	--
Aroclor 1016/1260	--	--	0.000043	--	--
Aroclor 1221	--	--	0.000043	--	--
Aroclor 1232	--	--	0.000043	--	--
Aroclor 1242	--	--	0.000043	--	--
Aroclor 1248	--	--	0.000043	--	--
Aroclor 1254	--	--	0.000043	--	--
Aroclor 1260	--	--	0.000043	--	--
Radionuclides					
Uranium	--	--	--	--	--
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	--	--	--	--	--
2,4,5-Trichlorophenol	--	--	--	--	--
2,4,6-Trichlorophenol	--	--	0.0078	--	--
2,4-Dichlorophenol	--	--	--	--	--
2,4-Dimethylphenol	--	--	--	--	--
2,4-Dinitrophenol	--	--	--	--	--
2,4-Dinitrotoluene	--	--	--	--	--
2,6-Dichlorophenol	--	--	--	--	--
2,6-Dinitrotoluene	--	--	--	--	--
2-Chloronaphthalene	--	--	--	--	--
2-Chlorophenol	--	--	--	--	--
2-Methylnaphthalene	--	--	--	--	--
2-Methylphenol (o-Cresol)	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR24

	Soil Gas - mg/m3				
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	NonCancer	Cancer	NCEF	CEF
2-Nitrophenol	--	--	--	--	--
3&4-Methylphenol	--	--	--	--	--
3-Methylphenol	--	--	--	--	--
3-Nitroaniline	--	--	--	--	--
4,6-Dinitro-2-Methylphenol	--	--	--	--	--
4-Bromophenylphenylether	--	--	--	--	--
4-Chloro-3-Methylphenol	--	--	--	--	--
4-Chloroanaline	--	--	--	--	--
4-Methylphenol (p-Cresol)	--	--	--	--	--
4-Nitroaniline	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--
Acenaphthene	--	--	--	--	--
Acenaphthylene	--	--	--	--	--
Aniline	--	0.01	--	--	--
Anthracene	--	--	--	--	--
Atrazine	--	--	--	--	--
Benzo(g,h,i)perylene	--	--	--	--	--
Bis(2-ethylhexyl)phthalate	--	--	--	--	--
Butylbenzylphthalate	--	--	--	--	--
Carbazole	--	--	--	--	--
Di-n-butylphthalate	--	--	--	--	--
Di-n-octylphthalate	--	--	--	--	--
Dibenzofuran	--	--	--	--	--
Diethylphthalate	--	--	--	--	--
Dimethylphthalate	--	--	--	--	--
Diphenylamine	--	--	--	--	--
Fluoranthene	--	--	--	--	--
Fluorene	--	--	--	--	--
Hexachlorobenzene	--	--	0.000053	--	--
Hexachlorobutadiene	--	--	0.0011	--	--
Hexachlorocyclopentadiene	--	0.0021	--	--	--
Hexachloroethane	--	--	0.0061	--	--
Naphthalene	--	0.031	0.00072	--	--
Nitrobenzene	--	0.021	--	--	--
o-Toluidine	--	--	0.00048	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR24

	Soil Gas - mg/m3				
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	NonCancer	Cancer	NCEF	CEF
Pentachlorobenzene	--	--	--	--	--
Pentachloronitrobenzene	--	--	--	--	--
Pentachlorophenol	--	--	--	--	--
Phenanthrene	--	--	--	--	--
Phenol	--	2.1	--	--	--
Pyrene	--	--	--	--	--
Total Carcinogenic PAHS (BaP TEQs)	--	--	0.0000087	--	--
Total Petroleum Hydrocarbon					
Tph (c03-c20)	0.031458341	--	--	--	--
Tph (c08-c40)	--	--	--	--	--
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	--	--	0.0033	--	--
1,1,1-Trichloroethane	--	52	--	--	--
1,1,2,2-Tetrachloroethane	--	--	0.00042	--	--
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	310	--	--	--
1,1,2-Trichloroethane	--	--	0.0015	--	--
1,1-Dichloroethane	--	5.2	0.015	--	--
1,1-Dichloroethene	--	2.1	--	--	--
1,2,3-Trichlorobenzene	--	--	--	--	--
1,2,3-Trichloropropane	--	--	--	--	--
1,2,4-Trichlorobenzene	--	--	--	--	--
1,2,4-Trimethylbenzene	--	0.073	--	--	--
1,2-Dibromo-3-Chloropropane	--	0.0021	0.0000016	--	--
1,2-Dibromoethane	--	0.094	0.000041	--	--
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	--	--	--	--	--
1,2-Dichlorobenzene	--	2.1	--	--	--
1,2-Dichloroethane	--	25	0.00094	--	--
1,2-Dichloropropane	--	0.042	0.0024	--	--
1,3,5-Trimethylbenzene	--	--	--	--	--
1,3-Butadiene	--	0.021	0.00081	--	--
1,3-Dichlorobenzene	--	--	--	--	--
1,3-Dichloropropane	--	--	--	--	--
1,4-Dichlorobenzene	--	8.299999999999999	0.0022	--	--
2,2-Dichloropropane	--	--	--	--	--
2-Butanone (methyl ethyl ketone)	--	52	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR24

	Soil Gas - mg/m3				
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	NonCancer	Cancer	NCEF	CEF
2-Chlorotoluene	--	--	--	--	--
2-Hexanone	--	--	--	--	--
4-Chlorotoluene	--	--	--	--	--
4-Isopropyltoluene	--	--	--	--	--
4-Methyl-2-Pentanone	--	31	--	--	--
Acetaldehyde	--	0.094	0.011	--	--
Acetone	--	320	--	--	--
Acetonitrile	--	0.63	--	--	--
Acetophenone	--	--	--	--	--
Acrolein	--	0.00021	--	--	--
Acrylonitrile	--	0.021	0.00036	--	--
Benzene	--	0.31	0.0031	--	--
Bis(2-Chloroethyl)ether	--	--	0.000074	--	--
Bis(chloromethyl)ether	--	--	0.00000039	--	--
Bromochloromethane	--	--	--	--	--
Bromodichloromethane	--	--	--	--	--
Bromoform	--	--	0.022	--	--
Bromomethane	--	0.052	--	--	--
Carbon Disulfide	--	7.3	--	--	--
Carbon Tetrachloride	--	2	0.0016	--	--
Chlorobenzene	--	0.52	--	--	--
Chloroethane	--	100	--	--	--
Chloroform	--	1	0.0011	--	--
Chloromethane	--	0.94	0.014	--	--
Chloroprene	--	0.073	--	--	--
cis-1,2-Dichloroethene	--	--	--	--	--
cis-1,3-Dichloropropene	--	--	--	--	--
Cyclohexane	--	63	--	--	--
Dibromochloromethane	--	--	--	--	--
Dibromomethane	--	--	--	--	--
Dichlorodifluoromethane (Freon 12)	--	2.1	--	--	--
Ethylbenzene	--	10	0.0097	--	--
Formaldehyde	--	0.1	0.0019	--	--
Hexane	--	7.3	--	--	--
Isobutyl Alcohol	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR24

	Soil Gas - mg/m3				
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
Chemical	Maximum Detected Concentration	NonCancer	Cancer	NCEF	CEF
Isophorone	--	21	--	--	--
Isopropylbenzene	--	4.2	--	--	--
m,p-Xylenes	--	1	--	--	--
Methyl Acetate	--	--	--	--	--
Methyl tert-Butyl Ether	--	31	0.094	--	--
Methylcyclohexane	--	31	--	--	--
Methylene Chloride	--	11	0.052	--	--
n-Butylbenzene	--	--	--	--	--
n-Propylbenzene	--	--	--	--	--
o-Xylene	--	7.3	--	--	--
Pentachloroethane	--	--	--	--	--
sec-Butylbenzene	--	--	--	--	--
Styrene	--	10	--	--	--
tert-Butylbenzene	--	--	--	--	--
Tetrachloroethene	--	2.8	0.0041	--	--
Toluene	--	52	--	--	--
trans-1,2-Dichloroethene	--	0.63	--	--	--
trans-1,3-Dichloropropene	--	--	--	--	--
Trans-1,4-Dichloro-2-Butene	--	--	--	--	--
Trichloroethene	--	--	0.012	--	--
Trichlorofluoromethane	--	7.3	--	--	--
Vinyl Acetate	--	2.1	--	--	--
Vinyl Chloride	--	1	0.0016	--	--
Xylenes, Total	--	1	--	--	--
			TOTAL RISK	0	0
			BACKGROUND RISK	0	0
			INCREMENTAL RISK	0	0

-- = The chemical was not analyzed, not detected or no value was available.
CEF = Cancer exceedance factor. CEFs were calculated by dividing detected concentrations by cancer-based USEPA RSLs.
A CEF of 1 corresponds to a cancer risk of 1x10^-6 (one in a million).
NCEF = Noncancer exceedance factor. NCEFs were calculated by dividing detected concentrations by noncancer- based USEPA RSLs.
An NCEF of 1 corresponds to a Hazard Index of 1.
RSL = Regional Screening Level
USEPA = United States Environmental Protection Agency
Fecal Coliform, Fecal Steptococcus and Total Coliforms (including Fecal Coliform and E. Coli) are reported in CFU/100 mL.
Heterotrophic Plate Count is reported in CFU/1 mL.
Risk calculations may appear to not add correctly due to rounding.

Total Risk = The risk for all chemicals.
Background Risk = None of the volatile organic chemicals tested for in the soil gas samples are naturally occurring. Therefore, the background risk is zero.
Incremental Risk = The Total Risk. The risk management category for this location (i.e., Acceptable or Unacceptable) is based on this risk.

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR24

	Tap Water - mg/L										
			USEPA RSL					USEPA RSL			
			30-Year Exposure					30-Year Exposure			
			Inhalation		Ingestion			Inhalation		Ingestion	
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	NCEF	CEF	NCEF	CEF
Alkane Hydrocarbon											
Octane	--	--	--	--	--	--	--	--	--	--	--
Pentadecane	--	--	--	--	--	--	--	--	--	--	--
Tridecane	--	--	--	--	--	--	--	--	--	--	--
Undecane	--	--	--	--	--	--	--	--	--	--	--
Anion											
Chloride	7.59	--	--	--	--	--	--	--	--	--	--
Cyanide	--	0.2	--	--	0.73	--	--	--	--	--	--
Fluoride	--	4	--	--	--	--	--	--	--	--	--
Nitrate (measured as NO3-)	2.62	44.3	--	--	255.2	--	0.06	--	--	0.01	--
Nitrite (measured as NO2-)	--	3.29	--	--	12.21	--	--	--	--	--	--
Phosphate	--	--	--	--	--	--	--	--	--	--	--
Sulfate	5.92	--	--	--	--	--	--	--	--	--	--
Dioxins/Furans											
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.000000000036	0.00000003	--	--	0.000000037	0.0000000005	0.001	--	--	0.0010	0.07
Disinfectants											
Chlorine (as Cl2)	0.02	4.01	--	--	--	--	0.005	--	--	--	--
Disinfection Byproducts											
Total Trihalomethanes	0.001393	0.0807	--	--	--	--	0.02	--	--	--	--
Field Parameters											
Dissolved Oxygen	8.01	--	--	--	--	--	--	--	--	--	--
Oxidation Reduction Potential	390	--	--	--	--	--	--	--	--	--	--
pH	7.74	--	--	--	--	--	--	--	--	--	--
Salinity	--	--	--	--	--	--	--	--	--	--	--
Specific Conductance	0.65	--	--	--	--	--	--	--	--	--	--
Temperature	28.6	--	--	--	--	--	--	--	--	--	--
Total Dissolved Solids	--	--	--	--	--	--	--	--	--	--	--
Total Solids	--	--	--	--	--	--	--	--	--	--	--
Turbidity	2	--	--	--	--	--	--	--	--	--	--
Inorganics											
Aluminum	--	--	--	--	37	--	--	--	--	--	--
Antimony	0.000176	0.006	--	--	0.015	--	0.03	--	--	0.01	--
Arsenic	0.00268	0.01	--	--	0.011	0.000045	0.3	--	--	0.2	**59.6**
Barium	0.011	2	--	--	7.3	--	0.006	--	--	0.002	--
Beryllium	--	0.004	--	--	0.073	--	--	--	--	--	--
Cadmium (Diet)	--	--	--	--	--	--	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR24

	Tap Water - mg/L										
			USEPA RSL					USEPA RSL			
			30-Year Exposure					30-Year Exposure			
			Inhalation		Ingestion			Inhalation		Ingestion	
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	NCEF	CEF	NCEF	CEF
Cadmium (Water)	0.0000535	0.005	--	--	0.018	--	0.01	--	--	0.003	--
Chromium	0.000412	0.1	--	--	--	--	0.004	--	--	--	--
Cobalt	0.000166	--	--	--	--	--	--	--	--	--	--
Copper	0.238	--	--	--	1.5	--	--	--	--	0.2	--
Iron	0.0111	--	--	--	26	--	--	--	--	0.0004	--
Lead	0.00229	--	--	--	0.02	--	--	--	--	0.1	--
Manganese (Diet)	--	--	--	--	--	--	--	--	--	--	--
Manganese (Water)	0.0181	--	--	--	0.88	--	--	--	--	0.02	--
Mercury	--	0.002	0.00063	--	--	--	--	--	--	--	--
Nickel	0.532	--	--	--	0.73	--	--	--	--	0.7	--
Selenium	--	0.05	--	--	0.18	--	--	--	--	--	--
Silver	--	--	--	--	0.18	--	--	--	--	--	--
Thallium	--	0.002	--	--	0.0024	--	--	--	--	--	--
Tin	--	--	--	--	22	--	--	--	--	--	--
Vanadium	--	--	--	--	0.26	--	--	--	--	--	--
Zinc	0.15	--	--	--	11	--	--	--	--	0.01	--
Microorganisms											
Fecal Coliform	--	0	--	--	--	--	--	--	--	--	--
Fecal Streptococcus	0	--	--	--	--	--	--	--	--	--	--
Heterotrophic Plate Count	6350	--	--	--	--	--	--	--	--	--	--
Total Coliforms (including Fecal Coliform and E. Coli)	--	0	--	--	--	--	--	--	--	--	--
Pesticides											
4,4-DDD	--	--	--	--	--	0.00028	--	--	--	--	--
4,4-DDE	--	--	--	--	--	0.0002	--	--	--	--	--
4,4-DDT	--	--	--	--	0.018	0.0002	--	--	--	--	--
Aldrin	--	--	--	--	0.0011	0.000004	--	--	--	--	--
alpha-BHC	--	--	--	--	--	0.000011	--	--	--	--	--
alpha-Chlordane	--	0.002	--	--	--	--	--	--	--	--	--
beta-BHC	--	--	--	--	--	0.000037	--	--	--	--	--
Chlordane	--	0.002	--	--	0.018	0.00019	--	--	--	--	--
delta-BHC	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	--	--	--	--	0.0018	0.0000042	--	--	--	--	--
Endosulfan I	--	--	--	--	--	--	--	--	--	--	--
Endosulfan II	--	--	--	--	--	--	--	--	--	--	--
Endosulfan Sulfate	--	--	--	--	--	--	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR24

	Tap Water - mg/L										
			USEPA RSL					USEPA RSL			
			30-Year Exposure					30-Year Exposure			
			Inhalation		Ingestion			Inhalation		Ingestion	
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	NCEF	CEF	NCEF	CEF
Endrin	--	0.002	--	--	0.011	--	--	--	--	--	--
Endrin Aldehyde	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC (Lindane)	--	0.0002	--	--	0.011	0.000061	--	--	--	--	--
gamma-Chlordane	--	0.002	--	--	0.018	0.00019	--	--	--	--	--
Heptachlor	--	0.0004	--	--	0.018	0.000015	--	--	--	--	--
Heptachlor Epoxide	--	0.0002	--	--	0.00047	0.0000074	--	--	--	--	--
Methoxychlor	--	0.04	--	--	0.18	--	--	--	--	--	--
Toxaphene	--	0.003	--	--	--	0.000061	--	--	--	--	--
Polychlorinated bi-phenyls											
Aroclor 1016	--	--	--	--	0.0026	0.00096	--	--	--	--	--
Aroclor 1016/1260	--	--	--	--	0.0026	0.000034	--	--	--	--	--
Aroclor 1221	--	--	--	0.0000085	--	0.000034	--	--	--	--	--
Aroclor 1232	--	--	--	0.0000085	--	0.000034	--	--	--	--	--
Aroclor 1242	--	--	--	--	--	0.000034	--	--	--	--	--
Aroclor 1248	--	--	--	--	--	0.000034	--	--	--	--	--
Aroclor 1254	--	--	--	--	0.00073	0.000034	--	--	--	--	--
Aroclor 1260	--	--	--	--	--	0.000034	--	--	--	--	--
Radionuclides											
Uranium	0.000559	0.03	--	--	0.11	--	0.02	--	--	0.005	--
Semi-Volatile Organic Compounds											
1,1'-Biphenyl	--	--	--	--	1.8	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	--	--	--	--	0.011	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	--	--	--	--	1.1	--	--	--	--	--	--
2,4,5-Trichlorophenol	--	--	--	--	3.7	--	--	--	--	--	--
2,4,6-Trichlorophenol	--	--	--	--	0.037	0.0061	--	--	--	--	--
2,4-Dichlorophenol	--	--	--	--	0.11	--	--	--	--	--	--
2,4-Dimethylphenol	--	--	--	--	0.73	--	--	--	--	--	--
2,4-Dinitrophenol	--	--	--	--	0.073	--	--	--	--	--	--
2,4-Dinitrotoluene	--	--	--	--	0.073	--	--	--	--	--	--
2,6-Dichlorophenol	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	--	--	--	--	0.037	--	--	--	--	--	--
2-Chloronaphthalene	--	--	--	--	2.9	--	--	--	--	--	--
2-Chlorophenol	--	--	--	--	0.18	--	--	--	--	--	--
2-Methylnaphthalene	--	--	--	--	0.15	--	--	--	--	--	--
2-Methylphenol (o-Cresol)	--	--	--	--	1.8	--	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR24

	Tap Water - mg/L										
			USEPA RSL					USEPA RSL			
			30-Year Exposure					30-Year Exposure			
			Inhalation		Ingestion			Inhalation		Ingestion	
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	NCEF	CEF	NCEF	CEF
2-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--
3&4-Methylphenol	--	--	--	--	0.18	--	--	--	--	--	--
3-Methylphenol	--	--	--	--	1.8	--	--	--	--	--	--
3-Nitroaniline	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-Methylphenol	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenylphenylether	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-Methylphenol	--	--	--	--	--	--	--	--	--	--	--
4-Chloroanaline	--	--	--	--	0.15	--	--	--	--	--	--
4-Methylphenol (p-Cresol)	--	--	--	--	0.18	--	--	--	--	--	--
4-Nitroaniline	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	--	--	--	--	2.2	--	--	--	--	--	--
Acenaphthylene	--	--	--	--	--	--	--	--	--	--	--
Aniline	0.0018	--	--	--	0.26	0.012	--	--	--	0.007	0.2
Anthracene	--	--	--	--	11	--	--	--	--	--	--
Atrazine	--	0.003	--	--	1.3	0.00029	--	--	--	--	--
Benzo(g,h,i)perylene	--	--	--	--	--	--	--	--	--	--	--
Bis(2-ethylhexyl)phthalate	--	0.006	--	--	0.73	0.0048	--	--	--	--	--
Butylbenzylphthalate	--	--	--	--	7.3	--	--	--	--	--	--
Carbazole	--	--	--	--	--	0.0034	--	--	--	--	--
Di-n-butylphthalate	--	--	--	--	3.7	--	--	--	--	--	--
Di-n-octylphthalate	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	--	--	--	--	--	--	--	--	--	--	--
Diethylphthalate	--	--	--	--	29	--	--	--	--	--	--
Dimethylphthalate	--	--	--	--	--	--	--	--	--	--	--
Diphenylamine	--	--	--	--	0.91	--	--	--	--	--	--
Fluoranthene	--	--	--	--	1.5	--	--	--	--	--	--
Fluorene	--	--	--	--	1.5	--	--	--	--	--	--
Hexachlorobenzene	--	0.001	--	--	0.029	0.000042	--	--	--	--	--
Hexachlorobutadiene	--	--	--	--	0.037	0.00086	--	--	--	--	--
Hexachlorocyclopentadiene	--	0.05	--	--	0.22	--	--	--	--	--	--
Hexachloroethane	--	--	--	--	0.037	0.0048	--	--	--	--	--
Naphthalene	--	--	0.0063	0.00014	0.73	--	--	--	--	--	--
Nitrobenzene	--	--	0.0042	--	0.018	--	--	--	--	--	--
o-Toluidine	--	--	--	--	--	0.00037	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR24

	Tap Water - mg/L										
			USEPA RSL					USEPA RSL			
			30-Year Exposure					30-Year Exposure			
			Inhalation		Ingestion			Inhalation		Ingestion	
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	NCEF	CEF	NCEF	CEF
Pentachlorobenzene	--	--	--	--	0.029	--	--	--	--	--	--
Pentachloronitrobenzene	--	--	--	--	0.11	0.00026	--	--	--	--	--
Pentachlorophenol	--	0.001	--	--	1.1	0.00056	--	--	--	--	--
Phenanthrene	--	--	--	--	--	--	--	--	--	--	--
Phenol	--	--	--	--	11	--	--	--	--	--	--
Pyrene	--	--	--	--	1.1	--	--	--	--	--	--
Total Carcinogenic PAHS (BaP TEQs)	--	0.0002	--	--	--	0.0000029	--	--	--	--	--
Total Petroleum Hydrocarbon											
Tph (c03-c20)	--	--	--	--	--	--	--	--	--	--	--
Tph (c08-c40)	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds											
1,1,1,2-Tetrachloroethane	--	--	--	0.00066	1.1	0.0026	--	--	--	--	--
1,1,1-Trichloroethane	--	0.2	10	--	73	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	--	--	--	0.000084	--	0.00034	--	--	--	--	--
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	--	63	--	1100	--	--	--	--	--	--
1,1,2-Trichloroethane	--	0.005	--	0.0003	0.15	0.0012	--	--	--	--	--
1,1-Dichloroethane	--	--	1	0.003	7.3	0.012	--	--	--	--	--
1,1-Dichloroethene	--	0.007	0.42	--	1.8	--	--	--	--	--	--
1,2,3-Trichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	--	--	--	--	0.22	0.0000096	--	--	--	--	--
1,2,4-Trichlorobenzene	--	0.07	--	--	0.37	0.019	--	--	--	--	--
1,2,4-Trimethylbenzene	--	--	0.015	--	--	--	--	--	--	--	--
1,2-Dibromo-3-Chloropropane	--	0.0002	0.00042	0.00000032	0.0073	0.000027	--	--	--	--	--
1,2-Dibromoethane	--	0.00005	0.019	0.0000081	0.33	0.000034	--	--	--	--	--
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	--	0.6	0.42	--	3.3	--	--	--	--	--	--
1,2-Dichloroethane	--	0.005	5.1	0.00019	--	0.00074	--	--	--	--	--
1,2-Dichloropropane	--	0.005	0.0083	0.00049	--	0.0019	--	--	--	--	--
1,3,5-Trimethylbenzene	--	--	--	--	--	--	--	--	--	--	--
1,3-Butadiene	--	--	0.0042	0.00016	--	--	--	--	--	--	--
1,3-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	--	--	--	--	0.73	--	--	--	--	--	--
1,4-Dichlorobenzene	--	0.075	1.7	0.00044	--	0.012	--	--	--	--	--
2,2-Dichloropropane	--	--	--	--	--	--	--	--	--	--	--
2-Butanone (methyl ethyl ketone)	--	--	10	--	22	--	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR24

	Tap Water - mg/L										
			USEPA RSL					USEPA RSL			
			30-Year Exposure					30-Year Exposure			
			Inhalation		Ingestion			Inhalation		Ingestion	
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	NCEF	CEF	NCEF	CEF
2-Chlorotoluene	--	--	--	--	0.73	--	--	--	--	--	--
2-Hexanone	--	--	--	--	--	--	--	--	--	--	--
4-Chlorotoluene	--	--	--	--	2.6	--	--	--	--	--	--
4-Isopropyltoluene	--	--	--	--	--	--	--	--	--	--	--
4-Methyl-2-Pentanone	--	--	6.3	--	2.9	--	--	--	--	--	--
Acetaldehyde	--	--	0.019	0.0022	--	--	--	--	--	--	--
Acetone	0.00137	--	64	--	33	--	--	0.00002	--	0.00004	--
Acetonitrile	--	--	0.13	--	--	--	--	--	--	--	--
Acetophenone	--	--	--	--	3.7	--	--	--	--	--	--
Acrolein	--	--	0.000042	--	0.018	--	--	--	--	--	--
Acrylonitrile	--	--	0.0042	0.000072	0.037	0.00012	--	--	--	--	--
Benzene	--	0.005	0.063	0.00062	0.15	0.0012	--	--	--	--	--
Bis(2-Chloroethyl)ether	--	--	--	0.000015	--	0.000061	--	--	--	--	--
Bis(chloromethyl)ether	--	--	--	0.000000078	--	0.00000031	--	--	--	--	--
Bromochloromethane	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	--	--	--	--	0.73	0.0011	--	--	--	--	--
Bromoform	0.00105	--	--	--	0.73	0.0085	--	--	--	0.001	0.1
Bromomethane	--	--	0.01	--	0.051	--	--	--	--	--	--
Carbon Disulfide	--	--	1.5	--	3.7	--	--	--	--	--	--
Carbon Tetrachloride	--	0.005	0.39	0.00032	0.026	0.00052	--	--	--	--	--
Chlorobenzene	--	0.1	0.1	--	0.73	--	--	--	--	--	--
Chloroethane	--	--	21	--	--	--	--	--	--	--	--
Chloroform	0.000102	--	0.2	0.00021	0.37	0.0022	--	0.0005	0.5	0.0003	0.05
Chloromethane	--	--	0.19	0.0027	--	0.0052	--	--	--	--	--
Chloroprene	--	--	0.015	--	0.73	--	--	--	--	--	--
cis-1,2-Dichloroethene	--	0.07	--	--	0.37	--	--	--	--	--	--
cis-1,3-Dichloropropene	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	--	--	13	--	--	--	--	--	--	--	--
Dibromochloromethane	0.000241	--	--	--	0.73	0.0008	--	--	--	0.0003	0.3
Dibromomethane	--	--	--	--	0.37	--	--	--	--	--	--
Dichlorodifluoromethane (Freon 12)	--	--	0.42	--	7.3	--	--	--	--	--	--
Ethylbenzene	--	0.7	2.1	0.0019	3.7	0.0061	--	--	--	--	--
Formaldehyde	--	--	--	--	7.3	--	--	--	--	--	--
Hexane	--	--	1.5	--	2.2	--	--	--	--	--	--
Isobutyl Alcohol	--	--	--	--	11	--	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location AR24

	Tap Water - mg/L										
			USEPA RSL					USEPA RSL			
			30-Year Exposure					30-Year Exposure			
			Inhalation		Ingestion			Inhalation		Ingestion	
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	NCEF	CEF	NCEF	CEF
Isophorone	--	--	--	--	7.3	0.071	--	--	--	--	--
Isopropylbenzene	--	--	0.83	--	3.7	--	--	--	--	--	--
m,p-Xylenes	--	--	0.21	--	7.3	--	--	--	--	--	--
Methyl Acetate	--	--	--	--	37	--	--	--	--	--	--
Methyl tert-Butyl Ether	--	--	6.3	0.019	--	0.037	--	--	--	--	--
Methylcyclohexane	--	--	6.3	--	--	--	--	--	--	--	--
Methylene Chloride	--	0.005	2.2	0.01	2.2	0.009	--	--	--	--	--
n-Butylbenzene	--	--	--	--	--	--	--	--	--	--	--
n-Propylbenzene	--	--	--	--	--	--	--	--	--	--	--
o-Xylene	--	--	1.5	--	73	--	--	--	--	--	--
Pentachloroethane	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	--	--	--	--	--	--	--	--	--	--	--
Styrene	--	0.1	2.1	--	7.3	--	--	--	--	--	--
tert-Butylbenzene	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	--	0.005	0.57	0.00082	0.37	0.00012	--	--	--	--	--
Toluene	--	1	10	--	2.9	--	--	--	--	--	--
trans-1,2-Dichloroethene	--	0.1	0.13	--	0.73	--	--	--	--	--	--
trans-1,3-Dichloropropene	--	--	--	--	--	--	--	--	--	--	--
Trans-1,4-Dichloro-2-Butene	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	--	0.005	--	0.0024	--	0.0052	--	--	--	--	--
Trichlorofluoromethane	--	--	1.5	--	11	--	--	--	--	--	--
Vinyl Acetate	--	--	0.42	--	37	--	--	--	--	--	--
Vinyl Chloride	--	0.002	0.21	0.00032	0.11	0.000017	--	--	--	--	--
Xylenes, Total	--	10	0.21	--	7.3	--	--	--	--	--	--
							TOTAL RISK	0.0005	0.5	1.3	60.2
							BACKGROUND RISK	0	0	1.0	59.6
							INCREMENTAL RISK	0.0005	0.5	0.3	0.7

-- = The chemical was not analyzed, not detected or no value was available.
CEF = Cancer exceedance factor. CEFs were calculated by dividing detected concentrations by cancer-based USEPA RSLs.
A CEF of 1 corresponds to a cancer risk of 1x10^-6 (one in a million).
NCEF = Noncancer exceedance factor. NCEFs were calculated by dividing detected concentrations by noncancer-based USEPA RSLs.
An NCEF of 1 corresponds to a Hazard Index of 1.
RSL = Regional Screening Level
USEPA = United States Environmental Protection Agency
USEPA MCL EF = USEPA Maximum Contaminant Level Exceedance Factor. USEPA MCL EFs were calculated by dividing detected concentrations by the USEPA MCLs.
USEPA MCL = USEPA Maximum Contaminant Levels (http://www.epa.gov/ogwdw/contaminants/index.html).
Fecal Coliform, Fecal Steptococcus and Total Coliforms (including Fecal Coliform and E. Coli) are reported in CFU/100 mL (CFU = colony forming units).
Heterotrophic Plate Count is reported in CFU/1 mL.
Risk calculations may appear to not add correctly due to rounding.

Total Risk = The risk for all chemicals.
Background Risk = The risk for chemicals (i.e., inorganic elements) that are naturally occurring in the environment but does not include lead, copper and thallium.
Incremental Risk = The risk for chemicals that are not naturally occurring in the environment. The risk management category for this location
(i.e., Acceptable or Unacceptable) is based on this risk. This includes lead, copper and thallium.
The ingestion exceedance factors are presented for informational purposes only. The risk-management decision (i.e., Acceptable or Unacceptable) will be made
based on inhalation because the Navy leadership has stated that all personnel should be using bottled water for drinking, cooking, and brushing teeth.

Attachment E

Chemical Fact Sheets

ATSDR
AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY

ARSENIC

CAS # 7440-38-2

Division of Toxicology and Environmental Medicine ToxFAQs™ August 2007

This fact sheet answers the most frequently asked health questions (FAQs) about arsenic. For more information, call the ATSDR Information Center at 1-800-232-4636. This fact sheet is one in a series of summaries about hazardous substances and their health effects. It is important you understand this information because this substance may harm you. The effects of exposure to any hazardous substance depend on the dose, the duration, how you are exposed, personal traits and habits, and whether other chemicals are present.

HIGHLIGHTS: Exposure to higher than average levels of arsenic occur mostly in the workplace, near hazardous waste sites, or in areas with high natural levels. At high levels, inorganic arsenic can cause death. Exposure to lower levels for a long time can cause a discoloration of the skin and the appearance of small corns or warts. Arsenic has been found in at least 1,149 of the 1,684 National Priority List sites identified by the Environmental Protection Agency (EPA).

What is arsenic?

Arsenic is a naturally occurring element widely distributed in the earth's crust. In the environment, arsenic is combined with oxygen, chlorine, and sulfur to form inorganic arsenic compounds. Arsenic in animals and plants combines with carbon and hydrogen to form organic arsenic compounds.

Inorganic arsenic compounds are mainly used to preserve wood. Copper chromated arsenate (CCA) is used to make "pressure-treated" lumber. CCA is no longer used in the U.S. for residential uses; it is still used in industrial applications. Organic arsenic compounds are used as pesticides, primarily on cotton fields and orchards.

What happens to arsenic when it enters the environment?

❑ Arsenic occurs naturally in soil and minerals and may enter the air, water, and land from wind-blown dust and may get into water from runoff and leaching.
❑ Arsenic cannot be destroyed in the environment. It can only change its form.
❑ Rain and snow remove arsenic dust particles from the air.
❑ Many common arsenic compounds can dissolve in water. Most of the arsenic in water will ultimately end up in soil or sediment.
❑ Fish and shellfish can accumulate arsenic; most of this arsenic is in an organic form called arsenobetaine that is much less harmful.

How might I be exposed to arsenic?

❑ Ingesting small amounts present in your food and water or breathing air containing arsenic.
❑ Breathing sawdust or burning smoke from wood treated with arsenic.
❑ Living in areas with unusually high natural levels of arsenic in rock.
❑ Working in a job that involves arsenic production or use, such as copper or lead smelting, wood treating, or pesticide application.

How can arsenic affect my health?

Breathing high levels of inorganic arsenic can give you a sore throat or irritated lungs.

Ingesting very high levels of arsenic can result in death. Exposure to lower levels can cause nausea and vomiting, decreased production of red and white blood cells, abnormal heart rhythm, damage to blood vessels, and a sensation of "pins and needles" in hands and feet.

Ingesting or breathing low levels of inorganic arsenic for a long time can cause a darkening of the skin and the appearance of small "corns" or "warts" on the palms, soles, and torso.

Skin contact with inorganic arsenic may cause redness and swelling.

Almost nothing is known regarding health effects of organic arsenic compounds in humans. Studies in animals show that some simple organic arsenic compounds are less toxic than inorganic forms. Ingestion of methyl and dimethyl compounds can cause diarrhea and damage to the kidneys

How likely is arsenic to cause cancer?

Several studies have shown that ingestion of inorganic arsenic can increase the risk of skin cancer and cancer in the liver, bladder, and lungs. Inhalation of inorganic arsenic can cause increased risk of lung cancer. The Department of Health and Human Services (DHHS) and the EPA have determined that inorganic arsenic is a known human carcinogen. The International Agency for Research on Cancer (IARC) has determined that inorganic arsenic is carcinogenic to humans.

How can arsenic affect children?

There is some evidence that long-term exposure to arsenic in children may result in lower IQ scores. There is also some evidence that exposure to arsenic in the womb and early childhood may increase mortality in young adults.

There is some evidence that inhaled or ingested arsenic can injure pregnant women or their unborn babies, although the studies are not definitive. Studies in animals show that large doses of arsenic that cause illness in pregnant females, can also cause low birth weight, fetal malformations, and even fetal death. Arsenic can cross the placenta and has been found in fetal tissues. Arsenic is found at low levels in breast milk.

How can families reduce the risks of exposure to arsenic?

❑ If you use arsenic-treated wood in home projects, you should wear dust masks, gloves, and protective clothing to decrease exposure to sawdust.

❑ If you live in an area with high levels of arsenic in water or soil, you should use cleaner sources of water and limit contact with soil.

❑ If you work in a job that may expose you to arsenic, be aware that you may carry arsenic home on your clothing, skin, hair, or tools. Be sure to shower and change clothes before going home.

Is there a medical test to determine whether I've been exposed to arsenic?

There are tests available to measure arsenic in your blood, urine, hair, and fingernails. The urine test is the most reliable test for arsenic exposure within the last few days. Tests on hair and fingernails can measure exposure to high levels of arsenic over the past 6-12 months. These tests can determine if you have been exposed to above-average levels of arsenic. They cannot predict whether the arsenic levels in your body will affect your health.

Has the federal government made recommendations to protect human health?

The EPA has set limits on the amount of arsenic that industrial sources can release to the environment and has restricted or cancelled many of the uses of arsenic in pesticides. EPA has set a limit of 0.01 parts per million (ppm) for arsenic in drinking water.

The Occupational Safety and Health Administration (OSHA) has set a permissible exposure limit (PEL) of 10 micrograms of arsenic per cubic meter of workplace air (10 $\mu g/m^3$) for 8 hour shifts and 40 hour work weeks.

References

Agency for Toxic Substances and Disease Registry (ATSDR). 2007. Toxicological Profile for Arsenic (Update). Atlanta, GA: U.S. Department of Public Health and Human Services, Public Health Service.

Where can I get more information? For more information, contact the Agency for Toxic Substances and Disease Registry, Division of Toxicology and Environmental Medicine, 1600 Clifton Road NE, Mailstop F-32, Atlanta, GA 30333. Phone: 1-800-232-4636, FAX: 770-488-4178. ToxFAQs Internet address via WWW is http://www.atsdr.cdc.gov/toxfaq.html. ATSDR can tell you where to find occupational and environmental health clinics. Their specialists can recognize, evaluate, and treat illnesses resulting from exposure to hazardous substances. You can also contact your community or state health or environmental quality department if you have any more questions or concerns.

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AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY

LEAD

CAS # 7439-92-1

Division of Toxicology and Environmental Medicine ToxFAQs™ August 2007

This fact sheet answers the most frequently asked health questions (FAQs) about lead. For more information, call the ATSDR Information Center at 1-800-232-4636. This fact sheet is one in a series of summaries about hazardous substances and their health effects. It is important you understand this information because this substance may harm you. The effects of exposure to any hazardous substance depend on the dose, the duration, how you are exposed, personal traits and habits, and whether other chemicals are present.

HIGHLIGHTS: Exposure to lead can happen from breathing workplace air or dust, eating contaminated foods, or drinking contaminated water. Children can be exposed from eating lead-based paint chips or playing in contaminated soil. Lead can damage the nervous system, kidneys, and reproductive system. Lead has been found in at least 1,272 of the 1,684 National Priority List sites identified by the Environmental Protection Agency (EPA).

What is lead?

Lead is a naturally occurring bluish-gray metal found in small amounts in the earth's crust. Lead can be found in all parts of our environment. Much of it comes from human activities including burning fossil fuels, mining, and manufacturing.

Lead has many different uses. It is used in the production of batteries, ammunition, metal products (solder and pipes), and devices to shield X-rays. Because of health concerns, lead from paints and ceramic products, caulking, and pipe solder has been dramatically reduced in recent years. The use of lead as an additive to gasoline was banned in 1996 in the United States.

What happens to lead when it enters the environment?

❏ Lead itself does not break down, but lead compounds are changed by sunlight, air, and water.

❏ When lead is released to the air, it may travel long distances before settling to the ground.

❏ Once lead falls onto soil, it usually sticks to soil particles.

❏ Movement of lead from soil into groundwater will depend on the type of lead compound and the characteristics of the soil.

How might I be exposed to lead?

❏ Eating food or drinking water that contains lead. Water pipes in some older homes may contain lead solder. Lead can leach out into the water.

❏ Spending time in areas where lead-based paints have been used and are deteriorating. Deteriorating lead paint can contribute to lead dust.

❏ Working in a job where lead is used or engaging in certain hobbies in which lead is used, such as making stained glass.

❏ Using health-care products or folk remedies that contain lead.

How can lead affect my health?

The effects of lead are the same whether it enters the body through breathing or swallowing. Lead can affect almost every organ and system in your body. The main target for lead toxicity is the nervous system, both in adults and children. Long-term exposure of adults can result in decreased performance in some tests that measure functions of the nervous system. It may also cause weakness in fingers, wrists, or ankles. Lead exposure also causes small increases in blood pressure, particularly in middle-aged and older people and can cause anemia. Exposure to high lead levels can severely damage the brain and kidneys in adults or children and ultimately cause death. In pregnant women, high levels of exposure to lead may cause miscarriage. High-level exposure in men can damage the organs responsible for sperm production.

How likely is lead to cause cancer?

We have no conclusive proof that lead causes cancer in humans. Kidney tumors have developed in rats and mice that had been given large doses of some kind of lead compounds. The Department of Health and Human Services

(DHHS) has determined that lead and lead compounds are reasonably anticipated to be human carcinogens and the EPA has determined that lead is a probable human carcinogen. The International Agency for Research on Cancer (IARC) has determined that inorganic lead is probably carcinogenic to humans and that there is insufficient information to determine whether organic lead compounds will cause cancer in humans.

How can lead affect children?

Small children can be exposed by eating lead-based paint chips, chewing on objects painted with lead-based paint, or swallowing house dust or soil that contains lead.

Children are more vulnerable to lead poisoning than adults. A child who swallows large amounts of lead may develop blood anemia, severe stomachache, muscle weakness, and brain damage. If a child swallows smaller amounts of lead, much less severe effects on blood and brain function may occur. Even at much lower levels of exposure, lead can affect a child's mental and physical growth.

Exposure to lead is more dangerous for young and unborn children. Unborn children can be exposed to lead through their mothers. Harmful effects include premature births, smaller babies, decreased mental ability in the infant, learning difficulties, and reduced growth in young children. These effects are more common if the mother or baby was exposed to high levels of lead. Some of these effects may persist beyond childhood.

How can families reduce the risks of exposure to lead?

❑ Avoid exposure to sources of lead.

❑ Do not allow children to chew or mouth surfaces that may have been painted with lead-based paint.

❑ If you have a water lead problem, run or flush water that has been standing overnight before drinking or cooking with it.

❑ Some types of paints and pigments that are used as make-up or hair coloring contain lead. Keep these kinds of products away from children

❑ If your home contains lead-based paint or you live in an area contaminated with lead, wash children's hands and faces often to remove lead dusts and soil, and regularly clean the house of dust and tracked in soil.

Is there a medical test to determine whether I've been exposed to lead?

A blood test is available to measure the amount of lead in your blood and to estimate the amount of your recent exposure to lead. Blood tests are commonly used to screen children for lead poisoning. Lead in teeth or bones can be measured by X-ray techniques, but these methods are not widely available. Exposure to lead also can be evaluated by measuring erythrocyte protoporphyrin (EP) in blood samples. EP is a part of red blood cells known to increase when the amount of lead in the blood is high. However, the EP level is not sensitive enough to identify children with elevated blood lead levels below about 25 micrograms per deciliter (μg/dL). These tests usually require special analytical equipment that is not available in a doctor's office. However, your doctor can draw blood samples and send them to appropriate laboratories for analysis.

Has the federal government made recommendations to protect human health?

The Centers for Disease Control and Prevention (CDC) recommends that states test children at ages 1 and 2 years. Children should be tested at ages 3–6 years if they have never been tested for lead, if they receive services from public assistance programs for the poor such as Medicaid or the Supplemental Food Program for Women, Infants, and Children, if they live in a building or frequently visit a house built before 1950; if they visit a home (house or apartment) built before 1978 that has been recently remodeled; and/or if they have a brother, sister, or playmate who has had lead poisoning. CDC considers a blood lead level of 10 μg/dL to be a level of concern for children.

EPA limits lead in drinking water to 15 μg per liter.

References

Agency for Toxic Substances and Disease Registry (ATSDR). 2007. Toxicological Profile for lead (Update). Atlanta, GA: U.S. Department of Public Health and Human Services, Public Health Service.

Where can I get more information? For more information, contact the Agency for Toxic Substances and Disease Registry, Division of Toxicology and Environmental Medicine, 1600 Clifton Road NE, Mailstop F-32, Atlanta, GA 30333. Phone: 1-800-232-4636, FAX: 770-488-4178. ToxFAQs Internet address via WWW is http://www.atsdr.cdc.gov/toxfaq.html. ATSDR can tell you where to find occupational and environmental health clinics. Their specialists can recognize, evaluate, and treat illnesses resulting from exposure to hazardous substances. You can also contact your community or state health or environmental quality department if you have any more questions or concerns.

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NAPHTHALENE
CAS # 91-20-3

1-METHYLNAPHTHALENE
CAS # 90-12-0

2-METHYLNAPHTHALENE
CAS # 91-57-6

Division of Toxicology ToxFAQs™ August 2005

This fact sheet answers the most frequently asked health questions (FAQs) about naphthalene, 1-methylnaphthalene, and 2-methylnaphthalene. For more information, call the ATSDR Information Center at 1-888-422-8737. This fact sheet is one in a series of summaries about hazardous substances and their health effects. It is important you understand this information because these substances may harm you. The effects of exposure to any hazardous substance depend on the dose, the duration, how you are exposed, personal traits and habits, and whether other chemicals are present.

HIGHLIGHTS: Exposure to naphthalene, 1-methylnaphthalene, or 2-methylnaphthalene happens mostly from breathing air contaminated from the burning of wood, tobacco, or fossil fuels, industrial discharges, or moth repellents. Exposure to large amounts of naphthalene may damage or destroy some of your red blood cells. Naphthalene has caused cancer in animals. Naphthalene, 1-methylnaphthalene, and 2-methylnaphthalene have been found in at least 687, 36, and 412, respectively, of the 1,662 National Priority List sites identified by the Environmental Protection Agency (EPA).

What are naphthalene, 1-methylnaphthalene, and 2-methylnaphthalene?

Naphthalene is a white solid that evaporates easily. Fuels such as petroleum and coal contain naphthalene. It is also called white tar, and tar camphor, and has been used in mothballs and moth flakes. Burning tobacco or wood produces naphthalene. It has a strong, but not unpleasant smell. The major commercial use of naphthalene is in the manufacture of polyvinyl chloride (PVC) plastics. Its major consumer use is in moth repellents and toilet deodorant blocks.

1-Methylnaphthalene and 2-methylnaphthalene are naphthalene-related compounds. 1-Methylnaphthalene is a clear liquid and 2-methylnaphthalene is a solid; both can be smelled in air and in water at very low concentrations.

1-Methylnaphthalene and 2-methylnaphthalene are used to make other chemicals such as dyes and resins. 2-Methylnaphthalene is also used to make vitamin K.

What happens to naphthalene, 1-methylnaphthalene, and 2-methylnaphthalene when they enter the environment?

- ❑ Naphthalene enters the environment from industrial and domestic sources, and from accidental spills.
- ❑ Naphthalene can dissolve in water to a limited degree and may be present in drinking water from wells close to hazardous waste sites and landfills.
- ❑ Naphthalene can become weakly attached to soil or pass through soil into underground water.
- ❑ In air, moisture and sunlight break it down within 1 day. In water, bacteria break it down or it evaporates into the air.
- ❑ Naphthalene does not accumulate in the flesh of animals or fish that you might eat.
- ❑ 1-Methylnaphthalene and 2-methylnaphthalene are expected to act like naphthalene in air, water, or soil because they have similar chemical and physical properties.

How might I be exposed to naphthalene, 1-methylnaphthalene, and 2-methylnaphthalene?

- ❑ Breathing low levels in outdoor air.
- ❑ Breathing air contaminated from industrial discharges or smoke from burning wood, tobacco, or fossil fuels.
- ❑ Using or making moth repellents, coal tar products, dyes or inks could expose you to these chemicals in the air.
- ❑ Drinking water from contaminated wells.
- ❑ Touching fabrics that are treated with moth repellents containing naphthalene.
- ❑ Exposure to naphthalene, 1-methylnaphthalene and 2-methylnaphthalene from eating foods or drinking beverages is unlikely.

How can naphthalene, 1-methylnaphthalene, and 2-methylnaphthalene affect my health?

Exposure to large amounts of naphthalene may damage or destroy some of your red blood cells. This could cause you to have too few red blood cells until your body replaces the destroyed cells. This condition is called hemolytic anemia. Some symptoms of hemolytic anemia are fatigue, lack of appetite, restlessness, and pale skin. Exposure to large amounts of naphthalene may also cause nausea, vomiting, diarrhea, blood in the urine, and a yellow color to the skin. Animals sometimes develop cloudiness in their eyes after swallowing high amounts of naphthalene. It is not clear whether this also develops in people. Rats and mice that breathed naphthalene vapors daily for a lifetime developed irritation and inflammation of their nose and lungs. It is unclear if naphthalene

causes reproductive effects in animals; most evidence says it does not.

There are no studies of humans exposed to 1-methylnaphthalene or 2-methylnaphthalene.

Mice fed food containing 1-methylnaphthalene and 2-methylnaphthalene for most of their lives had part of their lungs filled with an abnormal material.

How likely are naphthalene, 1-methylnaphthalene, or 2-methylnaphthalene to cause cancer?

There is no direct evidence in humans that naphthalene, 1-methylnaphthalene, or 2-methylnaphthalene cause cancer. However, cancer from naphthalene exposure has been seen in animal studies. Some female mice that breathed naphthalene vapors daily for a lifetime developed lung tumors. Some male and female rats exposed to naphthalene in a similar manner also developed nose tumors.

Based on the results from animal studies, the Department of Health and Humans Services (DHHS) concluded that naphthalene is reasonably anticipated to be a human carcinogen. The International Agency for Research on Cancer (IARC) concluded that naphthalene is possibly carcinogenic to humans. The EPA determined that naphthalene is a possible human carcinogen (Group C) and that the data are inadequate to assess the human carcinogenic potential of 2-methylnaphthalene.

How can naphthalene, 1-methylnaphthalene, or 2-methylnaphthalene affect children?

Hospitals have reported many cases of hemolytic anemia in children, including newborns and infants, who either ate naphthalene mothballs or deodorants cakes or who were in close contact with clothing or blankets stored in naphthalene mothballs. Naphthalene can move from a pregnant woman's blood to the unborn baby's blood. Naphthalene has been detected in some samples of breast milk from the general U.S. population, but not at levels that are expected to be of concern.

There is no information on whether naphthalene has affected development in humans. No developmental abnormalities were observed in the offspring from rats, mice, and rabbits fed naphthalene during pregnancy.

We do not have any information on possible health effects of 1-methylnaphthalene or 2-methylnaphthalene on children.

How can families reduce the risks of exposure to naphthalene, 1-methylnaphthalene, and 2-methylnaphthalene?

❑ Families can reduce the risks of exposure to naphthalene, 1-methylnaphthalene, and 2-methylnaphthalene by avoiding smoking tobacco, generating smoke during cooking, or using fireplaces or heating appliances in the their homes.

❑ If families use naphthalene-containing moth repellents, the material should be enclosed in containers that prevent vapors from escaping, and kept out of the reach from children.

❑ Blankets and clothing stored with naphthalene moth repellents should be aired outdoors to remove naphthalene odors and washed before they are used.

❑ Families should inform themselves of the contents of air deodorizers that are used in their homes and refrain from using deodorizers with naphthalene.

Is there a medical test to determine whether I've been exposed to naphthalene, 1-methylnaphthalene, and 2-methylnaphthalene?

Tests are available that measure levels of these chemicals and their breakdown products in samples of urine, feces, blood, maternal milk, or body fat. These tests are not routinely available in a doctor's office because they require special equipment, but samples can be sent to special testing laboratories. These tests cannot determine exactly how much naphthalene, 1-methylnaphthalene, or 2-methylnaphthalene you were exposed to or predict whether harmful effects will occur. If the samples are collected within a day or two of exposure, then the tests can show if you were exposed to a large or small amount of naphthalene, 1-methylnaphthalene, or 2-methylnaphthalene.

Has the federal government made recommendations to protect human health?

The EPA recommends that children not drink water with over 0.5 parts per million (0.5 ppm) naphthalene for more than 10 days or over 0.4 ppm for any longer than 7 years. Adults should not drink water with more than 1 ppm for more than 7 years. For water consumed over a lifetime (70 years), the EPA suggests that it contain no more than 0.1 ppm naphthalene.

The Occupational Safety and Health Administration (OSHA) set a limit of 10 ppm for the level of naphthalene in workplace air during an 8-hour workday, 40-hour workweek. The National Institute for Occupational Safety and Health (NIOSH) considers more than 500 ppm of naphthalene in air to be immediately dangerous to life or health. This is the exposure level of a chemical that is likely to impair a worker's ability to leave a contaminate area and therefore, results in permanent health problems or death.

References

Agency for Toxic Substances and Disease Registry (ATSDR). 2005. Toxicological Profile for Naphthalene, 1-Methylnaphthalene, and 2-Methylnaphthalene (Update). Atlanta, GA: U.S. Department of Health and Human Services, Public Health Service.

Where can I get more information? For more information, contact the Agency for Toxic Substances and Disease Registry, Division of Toxicology, 1600 Clifton Road NE, Mailstop F-32, Atlanta, GA 30333. Phone: 1-888-422-8737, FAX: 770-488-4178. ToxFAQs Internet address via WWW is http://www.atsdr.cdc.gov/toxfaq.html. ATSDR can tell you where to find occupational and environmental health clinics. Their specialists can recognize, evaluate, and treat illnesses resulting from exposure to hazardous substances. You can also contact your community or state health or environmental quality department if you have any more questions or concerns.

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NICKEL

CAS # 7440-02-0

Division of Toxicology ToxFAQs™ August 2005

This fact sheet answers the most frequently asked health questions (FAQs) about nickel. For more information, call the ATSDR Information Center at 1-888-422-8737. This fact sheet is one in a series of summaries about hazardous substances and their health effects. It is important you understand this information because this substance may harm you. The effects of exposure to any hazardous substance depend on the dose, the duration, how you are exposed, personal traits and habits, and whether other chemicals are present.

HIGHLIGHTS: Nickel is a naturally occurring element. Pure nickel is a hard, silvery-white metal used to make stainless steel and other metal alloys. Skin effects are the most common effects in people who are sensitive to nickel. Workers who breathed very large amounts of nickel compounds developed chronic bronchitis and lung and nasal sinus cancers. Nickel has been found in at least 882 of the 1,662 National Priority List sites identified by the Environmental Protection Agency (EPA).

What is nickel?

Nickel is a very abundant natural element. Pure nickel is a hard, silvery-white metal. Nickel can be combined with other metals, such as iron, copper, chromium, and zinc, to form alloys. These alloys are used to make coins, jewelry, and items such as valves and heat exchangers. Most nickel is used to make stainless steel.

Nickel can combine with other elements such as chlorine, sulfur, and oxygen to form nickel compounds. Many nickel compounds dissolve fairly easy in water and have a green color. Nickel compounds are used for nickel plating, to color ceramics, to make some batteries, and as substances known as catalysts that increase the rate of chemical reactions. Nickel is found in all soil and is emitted from volcanoes. Nickel is also found in meteorites and on the ocean floor. Nickel and its compounds have no characteristic odor or taste.

What happens to nickel when it enters the environment?

❏ Nickel is released into the atmosphere by industries that make or use nickel, nickel alloys, or nickel compounds. It is also released into the atmosphere by oil-burning power plants, coal-burning power plants, and trash incinerators.

❏ In the air, it attaches to small particles of dust that settle to the ground or are taken out of the air in rain or snow; this usually takes many days.

❏ Nickel released in industrial waste water ends up in soil or sediment where it strongly attaches to particles containing iron or manganese.

❏ Nickel does not appear to accumulate in fish or in other animals used as food.

How might I be exposed to nickel?

❏ By eating food containing nickel, which is the major source of exposure for most people.

❏ By skin contact with soil, bath or shower water, or metals containing nickel, as well as by handling coins or touching jewelry containing nickel.

❏ By drinking water that contains small amounts of nickel.

❏ By breathing air or smoking tobacco containing nickel.

❏ Higher exposure may occur if you work in industries that process or use nickel.

How can nickel affect my health?

The most common harmful health effect of nickel in humans is an allergic reaction. Approximately 10-20% of the population is sensitive to nickel. People can become sensitive to nickel when jewelry or other things containing it are in direct contact with the skin for a long time. Once a person is sensitized to nickel, further contact with the metal may produce a reaction. The most common reaction is a skin rash at the site of contact. The skin rash may also

occur at a site away from the site of contact. Less frequently, some people who are sensitive to nickel have asthma attacks following exposure to nickel. Some sensitized people react when they consume food or water containing nickel or breathe dust containing it.

People working in nickel refineries or nickel-processing plants have experienced chronic bronchitis and reduced lung function. These persons breathed amounts of nickel much higher than levels found normally in the environment.

Workers who drank water containing high amounts of nickel had stomach ache and suffered adverse effects to their blood and kidneys.

Damage to the lung and nasal cavity has been observed in rats and mice breathing nickel compounds. Eating or drinking large amounts of nickel has caused lung disease in dogs and rats and has affected the stomach, blood, liver, kidneys, and immune system in rats and mice, as well as their reproduction and development.

How likely is nickel to cause cancer?

Cancers of the lung and nasal sinus have resulted when workers breathed dust containing high levels of nickel compounds while working in nickel refineries or nickel processing plants. The Department of Health and Human Services (DHHS) has determined that nickel metal may reasonably be anticipated to be a carcinogen and that nickel compounds are known human carcinogens. The International Agency for Research on Cancer (IARC) has determined that some nickel compounds are carcinogenic to humans and that metallic nickel may possibly be carcinogenic to humans. The EPA has determined that nickel refinery dust and nickel subsulfide are human carcinogens.

How can nickel affect children?

It is likely that the health effects seen in children exposed to nickel will be similar to those seen in adults. We do not know whether children differ from adults in their susceptibility to nickel. Human studies that examined whether nickel can harm the fetus are inconclusive. Animal studies have found increases in newborn deaths and decreased newborn weight after ingesting very high amounts of nickel. Nickel can be transferred from the mother to an infant in breast milk and can cross the placenta.

How can families reduce the risks of exposure to nickel?

❑ Avoiding jewelry containing nickel will eliminate risks of exposure to this source of the metal.

❑ Exposures of the general population from other sources, such as foods and drinking water, are almost always too low to be of concern.

Is there a medical test to determine whether I've been exposed to nickel?

There are tests available to measure nickel in your blood, feces, and urine. More nickel was measured in the urine of workers who were exposed to nickel compounds that dissolve easily in water than in the urine of workers exposed to nickel compounds that are hard to dissolve. This means that it is easier to tell if you have been exposed to soluble nickel compounds than less-soluble compounds. The nickel measurements do not accurately predict potential health effects from exposure to nickel.

Has the federal government made recommendations to protect human health?

The EPA recommends that drinking water should contain no more than 0.1 milligrams of nickel per liter of water (0.1 mg/L). To protect workers, the Occupational Safety and Health Administration (OSHA) has set a limit of 1 mg of nickel per cubic meter of air (1 mg/m^3) for metallic nickel and nickel compounds in workplace air during an 8-hour workday, 40-hour workweek.

References

Agency for Toxic Substances and Disease Registry (ATSDR). 2005. Toxicological Profile for Nickel (Update). Atlanta, GA: U.S. Department of Public Health and Human Services, Public Health Service.

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POLYCYCLIC AROMATIC HYDROCARBONS (PAHs)

Agency for Toxic Substances and Disease Registry ToxFAQs September 1996

This fact sheet answers the most frequently asked health questions (FAQs) about polycyclic aromatic hydrocarbons (PAHs). For more information, call the ATSDR Information Center at 1-888-422-8737. This fact sheet is one in a series of summaries about hazardous substances and their health effects. This information is important because this substance may harm you. The effects of exposure to any hazardous substance depend on the dose, the duration, how you are exposed, personal traits and habits, and whether other chemicals are present.

SUMMARY: Exposure to polycyclic aromatic hydrocarbons usually occurs by breathing air contaminated by wild fires or coal tar, or by eating foods that have been grilled. PAHs have been found in at least 600 of the 1,430 National Priorities List sites identified by the Environmental Protection Agency (EPA).

What are polycyclic aromatic hydrocarbons?

(Pronounced pŏl′ĭ-sī′klĭk ăr′ə-măt′ĭk hī′drə-kar′bənz)

Polycyclic aromatic hydrocarbons (PAHs) are a group of over 100 different chemicals that are formed during the incomplete burning of coal, oil and gas, garbage, or other organic substances like tobacco or charbroiled meat. PAHs are usually found as a mixture containing two or more of these compounds, such as soot.

Some PAHs are manufactured. These pure PAHs usually exist as colorless, white, or pale yellow-green solids. PAHs are found in coal tar, crude oil, creosote, and roofing tar, but a few are used in medicines or to make dyes, plastics, and pesticides.

What happens to PAHs when they enter the environment?

- PAHs enter the air mostly as releases from volcanoes, forest fires, burning coal, and automobile exhaust.
- PAHs can occur in air attached to dust particles.
- Some PAH particles can readily evaporate into the air from soil or surface waters.
- PAHs can break down by reacting with sunlight and other chemicals in the air, over a period of days to weeks.
- PAHs enter water through discharges from industrial and wastewater treatment plants.
- Most PAHs do not dissolve easily in water. They stick to solid particles and settle to the bottoms of lakes or rivers.
- Microorganisms can break down PAHs in soil or water after a period of weeks to months.
- In soils, PAHs are most likely to stick tightly to particles; certain PAHs move through soil to contaminate underground water.
- PAH contents of plants and animals may be much higher than PAH contents of soil or water in which they live.

How might I be exposed to PAHs?

- Breathing air containing PAHs in the workplace of coking, coal-tar, and asphalt production plants; smokehouses; and municipal trash incineration facilities.
- Breathing air containing PAHs from cigarette smoke, wood smoke, vehicle exhausts, asphalt roads, or agricultural burn smoke.
- Coming in contact with air, water, or soil near hazardous waste sites.
- Eating grilled or charred meats; contaminated cereals, flour, bread, vegetables, fruits, meats; and processed or pickled foods.
- Drinking contaminated water or cow's milk.

- Nursing infants of mothers living near hazardous waste sites may be exposed to PAHs through their mother's milk.

How can PAHs affect my health?

Mice that were fed high levels of one PAH during pregnancy had difficulty reproducing and so did their offspring. These offspring also had higher rates of birth defects and lower body weights. It is not known whether these effects occur in people.

Animal studies have also shown that PAHs can cause harmful effects on the skin, body fluids, and ability to fight disease after both short- and long-term exposure. But these effects have not been seen in people.

How likely are PAHs to cause cancer?

The Department of Health and Human Services (DHHS) has determined that some PAHs may reasonably be expected to be carcinogens.

Some people who have breathed or touched mixtures of PAHs and other chemicals for long periods of time have developed cancer. Some PAHs have caused cancer in laboratory animals when they breathed air containing them (lung cancer), ingested them in food (stomach cancer), or had them applied to their skin (skin cancer).

Is there a medical test to show whether I've been exposed to PAHs?

In the body, PAHs are changed into chemicals that can attach to substances within the body. There are special tests that can detect PAHs attached to these substances in body tissues or blood. However, these tests cannot tell whether any health effects will occur or find out the extent or source of your exposure to the PAHs. The tests aren't usually available in your doctor's office because special equipment is needed to conduct them.

Has the federal government made recommendations to protect human health?

The Occupational Safety and Health Administration (OSHA) has set a limit of 0.2 milligrams of PAHs per cubic meter of air (0.2 mg/m^3). The OSHA Permissible Exposure Limit (PEL) for mineral oil mist that contains PAHs is 5 mg/m^3 averaged over an 8-hour exposure period.

The National Institute for Occupational Safety and Health (NIOSH) recommends that the average workplace air levels for coal tar products not exceed 0.1 mg/m^3 for a 10-hour workday, within a 40-hour workweek. There are other limits for workplace exposure for things that contain PAHs, such as coal, coal tar, and mineral oil.

Glossary

Carcinogen: A substance that can cause cancer.

Ingest: Take food or drink into your body.

References

Agency for Toxic Substances and Disease Registry (ATSDR). 1995. Toxicological profile for polycyclic aromatic hydrocarbons. Atlanta, GA: U.S. Department of Health and Human Services, Public Health Service.

Where can I get more information? For more information, contact the Agency for Toxic Substances and Disease Registry, Division of Toxicology, 1600 Clifton Road NE, Mailstop F-32, Atlanta, GA 30333. Phone: 1-888-422-8737, FAX: 770-488-4178. ToxFAQs Internet address via WWW is http://www.atsdr.cdc.gov/toxfaq.html ATSDR can tell you where to find occupational and environmental health clinics. Their specialists can recognize, evaluate, and treat illnesses resulting from exposure to hazardous substances. You can also contact your community or state health or environmental quality department if you have any more questions or concerns.