



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

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

Table 1: Summary of Parco Eva Residence Risks by Location

Site ID	Water Source	Soil RSL		Soil Gas RSL		Tap Water Ing.+Inh. ⁽¹⁾		Tap Water Ing.+Inh. ⁽¹⁾		Tap Water Inh. Only ⁽²⁾		Tap Water Inh. Only ⁽²⁾		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
		CNCEF	RSL	CNCEF	RSL	CCEF	RSL	CNCEF	RSL	CCEF	RSL	CCEF	Total CNCEF Ing.+Inh. ⁽³⁾	Total CCEF Ing.+Inh. ⁽³⁾	Total CNCEF Inh. Only ⁽⁴⁾	Total CCEF Inh. Only ⁽⁴⁾					
EV01	--	0.03	0.05	--	--	--	--	--	--	--	--	0.03	0.05	0.03	0.05	--	--	Acceptable	Acceptable		
EV02	--	0.04	0.09	--	--	--	--	--	--	--	--	0.04	0.09	0.04	0.09	--	--	Acceptable	Acceptable		
EV03	Public	0.03	0.04	0	0	0.4	1.4	0	0	0.44	1.39	0.03	0.04	No	No	Acceptable	Acceptable				
EV04	Public	0.03	0.04	0.009	6.3	0.4	1.1	0.00003	0	0.44	7.41	0.04	6.32	No	No	Acceptable	Acceptable				
EV05	Public	0.03	0.1	0	0	0.8	1.2	0	0	0.80	1.34	0.03	0.12	No	No	Acceptable	Acceptable				
EV06	Public	0.04	0.1	0	0	0.6	0.7	0	0	0.69	0.83	0.04	0.10	No	No	Acceptable	Acceptable				
EV07	Public	0.04	0.02	0	0	0.7	0.5	0	0	0.70	0.54	0.04	0.02	No	No	Acceptable	Acceptable				
EV08	Public	0.04	0.06	0.003	0	0.2	1.6	0	0	0.21	1.61	0.04	0.06	No	No	Acceptable	Acceptable				
EV09	Public	0.04	0.03	0	0	0.2	4.5	0	0	0.20	4.58	0.04	0.03	No	No	Acceptable	Acceptable				
EV10	Public	0.04	0.06	0	0	0.9	0.7	0	0	0.98	0.79	0.04	0.06	No	No	Acceptable	Acceptable				
EV11	Public	0.04	0.04	0.01	9.9	0.1	0.8	0.0	0.0	0.16	10.82	0.05	9.98	No	No	Unacceptable	Acceptable				
EV12	Public	0.03	0.01	0	0	0.3	3.6	0	0	0.31	3.66	0.03	0.01	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.

-- = Samples were not collected for that medium.

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

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

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

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

⁴Inh. Only exposure scenario for residences (Total Cumulative 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 risk¹ 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

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 Ice⁶	<ul style="list-style-type: none">• 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.	<ul style="list-style-type: none">• 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 Ice⁷	<ul style="list-style-type: none">• 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).	<ul style="list-style-type: none">• 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
	<p>Notes:</p> <ol style="list-style-type: none"> 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 EV01

Chemical	Sample Results for: EV01SS0010006	Soil - mg/kg			
Alkane Hydrocarbon					
Octane	--				
Pentadecane	--				
Tridecane	--				
Undecane	--				
Anion					
Chloride	--				
Cyanide	0.161 U				
Fluoride	--				
Nitrate (measured as NO ₃ -)	--				
Nitrite (measured as NO ₂ -)	--				
Phosphate	--				
Sulfate	--				
Dioxins/Furans					
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.000000215				
Disinfectants					
Chlorine (as Cl ₂)	--				
Disinfection Byproducts					
Total Trihalomethanes	--				
Field Parameters					
Dissolved Oxygen	--				
Oxidation Reduction Potential	--				
pH	--				
Salinity	--				
Specific Conductance	--				
Temperature	--				
Total Dissolved Solids	--				
Total Solids	75.40000000000001				
Turbidity	--				
Inorganics					
Aluminum	37200				
Antimony	0.485				
Arsenic	11.8				
Barium	265				
Beryllium	4.85				
Cadmium (Diet)	0.24				
Cadmium (Water)	--				

Attachment C - Environmental Sampling Results For Location EV01

Chemical	Sample Results for: EV01SS0010006	Soil - mg/kg			
Chromium	3.97				
Cobalt	5.01				
Copper	23.6				
Iron	18000				
Lead	34				
Manganese (Diet)	561				
Manganese (Water)	--				
Mercury	0.1 U				
Nickel	4.96				
Selenium	0.108				
Silver	0.0975 U				
Thallium	1.63				
Tin	2.38				
Vanadium	37.9				
Zinc	63.6				
Microorganisms					
Fecal Coliform	--				
Fecal Streptococcus	--				
Heterotrophic Plate Count	--				
Total Coliforms (including Fecal Coliform and E. Coli)	--				
Pesticides					
4,4-DDD	0.000462 U				
4,4-DDE	0.000454 U				
4,4-DDT	0.000608 U				
Aldrin	0.000368 U				
alpha-BHC	0.000454 U				
alpha-Chlordane	0.000368 U				
beta-BHC	0.000557 U				
Chlordane	--				
delta-BHC	0.000505 U				
Dieldrin	0.000514 U				
Endosulfan I	0.000462 U				
Endosulfan II	0.000368 U				
Endosulfan Sulfate	0.000522 U				
Endrin	0.000591 U				
Endrin Aldehyde	0.000531 U				

Attachment C - Environmental Sampling Results For Location EV01

Chemical	Sample Results for: EV01SS0010006	Soil - mg/kg			
gamma-BHC (Lindane)	0.000437 U				
gamma-Chlordane	0.000402 U				
Heptachlor	0.000522 U				
Heptachlor Epoxide	0.000402 U				
Methoxychlor	0.000651 U				
Toxaphene	0.00681 U				
Polychlorinated bi-phenyls					
Aroclor 1016	0.00794 U				
Aroclor 1016/1260	--				
Aroclor 1221	0.00794 U				
Aroclor 1232	0.00794 U				
Aroclor 1242	0.00794 U				
Aroclor 1248	0.00794 U				
Aroclor 1254	0.00794 U				
Aroclor 1260	0.00794 U				
Radionuclides					
Uranium	--				
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	0.0197 U				
1,2,4,5-Tetrachlorobenzene	0.0158 U				
2,3,4,6-Tetrachlorophenol	0.0932 U				
2,4,5-Trichlorophenol	0.161 U				
2,4,6-Trichlorophenol	0.0866 U				
2,4-Dichlorophenol	0.101 U				
2,4-Dimethylphenol	0.194 U				
2,4-Dinitrophenol	0.0722 U				
2,4-Dinitrotoluene	0.0236 U				
2,6-Dichlorophenol	0.0617 U				
2,6-Dinitrotoluene	0.0197 U				
2-Chloronaphthalene	0.0105 U				
2-Chlorophenol	0.0656 U				
2-Methylnaphthalene	0.0223 U				
2-Methylphenol (o-Cresol)	0.131 U				
2-Nitrophenol	0.0827 U				
3&4-Methylphenol	0.151 U				
3-Methylphenol	--				
3-Nitroaniline	0.0236 U				

Attachment C - Environmental Sampling Results For Location EV01

Chemical	Sample Results for: EV01SS0010006	Soil - mg/kg			
4,6-Dinitro-2-Methylphenol	0.0879 U				
4-Bromophenylphenylether	0.0158 U				
4-Chloro-3-Methylphenol	0.115 U				
4-Chloroaniline	0.0302 U				
4-Methylphenol (p-Cresol)	--				
4-Nitroaniline	0.0578 U				
4-Nitrophenol	0.155 U				
Acenaphthene	0.0131 U				
Acenaphthylene	0.0118 U				
Aniline	0.0262 U				
Anthracene	0.0158 U				
Atrazine	0.0341 U				
Benzo(g,h,i)perylene	0.0368 U				
Bis(2-ethylhexyl)phthalate	0.138 U				
Butylbenzylphthalate	0.0394 U				
Carbazole	0.0236 U				
Di-n-butylphthalate	0.0564 U				
Di-n-octylphthalate	0.0262 U				
Dibenzofuran	0.0131 U				
Diethylphthalate	0.0223 U				
Dimethylphthalate	0.0171 U				
Diphenylamine	0.0682 U				
Fluoranthene	0.0249 U				
Fluorene	0.0158 U				
Hexachlorobenzene	0.0144 U				
Hexachlorobutadiene	0.0131 U				
Hexachlorocyclopentadiene	0.0184 U				
Hexachloroethane	0.0144 U				
Naphthalene	0.00788 U				
Nitrobenzene	0.0197 U				
o-Toluidine	0.0236 U				
Pentachlorobenzene	0.0368 U				
Pentachloronitrobenzene	0.000428 U				
Pentachlorophenol	0.202 U				
Phenanthrene	0.0394 U				
Phenol	0.0446 U				

Attachment C - Environmental Sampling Results For Location EV01

Chemical	Sample Results for: EV01SS0010006	Soil - mg/kg			
Pyrene	0.0236 U				
Total Carcinogenic PAHS (BaP TEQs)	0.0566531 U				
Total Petroleum Hydrocarbon					
Tph (c03-c20)	--				
Tph (c08-c40)	--				
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	0.000365 U				
1,1,1-Trichloroethane	0.000487 U				
1,1,2,2-Tetrachloroethane	0.000244 U				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.000853 U				
1,1,2-Trichloroethane	0.000365 U				
1,1-Dichloroethane	0.000853 U				
1,1-Dichloroethene	0.000609 U				
1,2,3-Trichlorobenzene	0.000609 U				
1,2,3-Trichloropropane	0.000365 U				
1,2,4-Trichlorobenzene	0.000365 U				
1,2,4-Trimethylbenzene	0.000487 U				
1,2-Dibromo-3-Chloropropane	0.000487 U				
1,2-Dibromoethane	0.000122 U				
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	0.000731 U				
1,2-Dichlorobenzene	0.000122 U				
1,2-Dichloroethane	0.000244 U				
1,2-Dichloropropane	0.000365 U				
1,3,5-Trimethylbenzene	0.000244 U				
1,3-Butadiene	--				
1,3-Dichlorobenzene	0.000244 U				
1,3-Dichloropropane	0.000244 U				
1,4-Dichlorobenzene	0.000122 U				
2,2-Dichloropropane	0.000609 U				
2-Butanone (methyl ethyl ketone)	0.00219 U				
2-Chlorotoluene	0.000365 U				
2-Hexanone	0.00122 U				
4-Chlorotoluene	0.000244 U				
4-Isopropyltoluene	0.000244 U				
4-Methyl-2-Pentanone	0.000365 U				
Acetaldehyde	--				

Attachment C - Environmental Sampling Results For Location EV01

Chemical	Sample Results for: EV01SS0010006	Soil - mg/kg			
Acetone	0.104				
Acetonitrile	--				
Acetophenone	--				
Acrolein	0.00621 U				
Acrylonitrile	--				
Benzene	0.000365 U				
Bis(2-Chloroethyl)ether	--				
Bis(chloromethyl)ether	--				
Bromochloromethane	0.000487 U				
Bromodichloromethane	0.000487 U				
Bromoform	0.000244 U				
Bromomethane	0.00365 U				
Carbon Disulfide	--				
Carbon Tetrachloride	0.000487 U				
Chlorobenzene	0.000244 U				
Chloroethane	0.000487 U				
Chloroform	0.000853 U				
Chloromethane	0.0011 U				
Chloroprene	--				
cis-1,2-Dichloroethene	0.000853 U				
cis-1,3-Dichloropropene	0.000122 U				
Cyclohexane	--				
Dibromochloromethane	0.000122 U				
Dibromomethane	--				
Dichlorodifluoromethane (Freon 12)	0.000365 U				
Ethylbenzene	0.000365 U				
Formaldehyde	--				
Hexane	--				
Isobutyl Alcohol	--				
Isophorone	--				
Isopropylbenzene	0.000244 U				
m,p-Xylenes	0.000731 U				
Methyl Acetate	--				
Methyl tert-Butyl Ether	0.000609 U				
Methylcyclohexane	--				
Methylene Chloride	0.00122 U				

Attachment C - Environmental Sampling Results For Location EV01

Chemical	Sample Results for: EV01SS0010006	Soil - mg/kg			
n-Butylbenzene	0.000244 U				
n-Propylbenzene	0.000365 U				
o-Xylene	0.000244 U				
Pentachloroethane	--				
sec-Butylbenzene	0.000244 U				
Styrene	0.000244 U				
tert-Butylbenzene	0.000487 U				
Tetrachloroethene	0.000731 U				
Toluene	0.000609 U				
trans-1,2-Dichloroethene	0.000731 U				
trans-1,3-Dichloropropene	0.000365 U				
Trans-1,4-Dichloro-2-Butene	--				
Trichloroethene	0.000609 U				
Trichlorofluoromethane	0.000975 U				
Vinyl Acetate	--				
Vinyl Chloride	0.000487 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 EV02

Chemical	Soil - mg/kg				
	Sample Results for: EV02SS0010006				
Alkane Hydrocarbon					
Octane	--				
Pentadecane	--				
Tridecane	--				
Undecane	--				
Anion					
Chloride	--				
Cyanide	0.151 U				
Fluoride	--				
Nitrate (measured as NO ₃ -)	--				
Nitrite (measured as NO ₂ -)	--				
Phosphate	--				
Sulfate	--				
Dioxins/Furans					
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.0000003746				
Disinfectants					
Chlorine (as Cl ₂)	--				
Disinfection Byproducts					
Total Trihalomethanes	--				
Field Parameters					
Dissolved Oxygen	--				
Oxidation Reduction Potential	--				
pH	--				
Salinity	--				
Specific Conductance	--				
Temperature	--				
Total Dissolved Solids	--				
Total Solids	82.09999999999999				
Turbidity	--				
Inorganics					
Aluminum	41400				
Antimony	0.195				
Arsenic	12.9				
Barium	293				
Beryllium	5.22				
Cadmium (Diet)	0.282				
Cadmium (Water)	--				

Attachment C - Environmental Sampling Results For Location EV02

Chemical	Sample Results for: EV02SS0010006	Soil - mg/kg			
Chromium	5.8				
Cobalt	6.09				
Copper	36.6				
Iron	19200				
Lead	44.3				
Manganese (Diet)	651				
Manganese (Water)	--				
Mercury	0.103 U				
Nickel	7.55				
Selenium	0.21				
Silver	0.141				
Thallium	2.37				
Tin	2.67				
Vanadium	44.3				
Zinc	66.7				
Microorganisms					
Fecal Coliform	--				
Fecal Streptococcus	--				
Heterotrophic Plate Count	--				
Total Coliforms (including Fecal Coliform and E. Coli)	--				
Pesticides					
4,4-DDD	0.000458 U				
4,4-DDE	0.000449 U				
4,4-DDT	0.000602 U				
Aldrin	0.000364 U				
alpha-BHC	0.000449 U				
alpha-Chlordane	0.000364 U				
beta-BHC	0.000551 U				
Chlordane	--				
delta-BHC	0.0005 U				
Dieldrin	0.000508 U				
Endosulfan I	0.000458 U				
Endosulfan II	0.000364 U				
Endosulfan Sulfate	0.000517 U				
Endrin	0.000585 U				
Endrin Aldehyde	0.000525 U				

Attachment C - Environmental Sampling Results For Location EV02

Chemical	Sample Results for: EV02SS0010006	Soil - mg/kg			
gamma-BHC (Lindane)	0.000432 U				
gamma-Chlordane	0.000398 U				
Heptachlor	0.000517 U				
Heptachlor Epoxide	0.000398 U				
Methoxychlor	0.000644 U				
Toxaphene	0.00619 U				
Polychlorinated bi-phenyls					
Aroclor 1016	0.00723 U				
Aroclor 1016/1260	--				
Aroclor 1221	0.00723 U				
Aroclor 1232	0.00723 U				
Aroclor 1242	0.00723 U				
Aroclor 1248	0.00723 U				
Aroclor 1254	0.00723 U				
Aroclor 1260	0.00723 U				
Radionuclides					
Uranium	--				
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	0.0175 U				
1,2,4,5-Tetrachlorobenzene	0.014 U				
2,3,4,6-Tetrachlorophenol	0.083 U				
2,4,5-Trichlorophenol	0.144 U				
2,4,6-Trichlorophenol	0.0772 U				
2,4-Dichlorophenol	0.09 U				
2,4-Dimethylphenol	0.173 U				
2,4-Dinitrophenol	0.0643 U				
2,4-Dinitrotoluene	0.021 U				
2,6-Dichlorophenol	0.0549 U				
2,6-Dinitrotoluene	0.0175 U				
2-Chloronaphthalene	0.00935 U				
2-Chlorophenol	0.0584 U				
2-Methylnaphthalene	0.0199 U				
2-Methylphenol (o-Cresol)	0.117 U				
2-Nitrophenol	0.0736 U				
3&4-Methylphenol	0.134 U				
3-Methylphenol	--				
3-Nitroaniline	0.021 U				

Attachment C - Environmental Sampling Results For Location EV02

Chemical	Sample Results for: EV02SS0010006	Soil - mg/kg			
4,6-Dinitro-2-Methylphenol	0.0783 U				
4-Bromophenylphenylether	0.014 U				
4-Chloro-3-Methylphenol	0.103 U				
4-Chloroaniline	0.0269 U				
4-Methylphenol (p-Cresol)	--				
4-Nitroaniline	0.0514 U				
4-Nitrophenol	0.138 U				
Acenaphthene	0.0117 U				
Acenaphthylene	0.0105 U				
Aniline	0.0234 U				
Anthracene	0.014 U				
Atrazine	0.0304 U				
Benzo(g,h,i)perylene	0.0327 U				
Bis(2-ethylhexyl)phthalate	0.123 U				
Butylbenzylphthalate	0.0351 U				
Carbazole	0.021 U				
Di-n-butylphthalate	0.0503 U				
Di-n-octylphthalate	0.0234 U				
Dibenzofuran	0.0117 U				
Diethylphthalate	0.0199 U				
Dimethylphthalate	0.0152 U				
Diphenylamine	0.0608 U				
Fluoranthene	0.0222 U				
Fluorene	0.014 U				
Hexachlorobenzene	0.0129 U				
Hexachlorobutadiene	0.0117 U				
Hexachlorocyclopentadiene	0.0164 U				
Hexachloroethane	0.0129 U				
Naphthalene	0.00701 U				
Nitrobenzene	0.0175 U				
o-Toluidine	0.021 U				
Pentachlorobenzene	0.0327 U				
Pentachloronitrobenzene	0.000424 U				
Pentachlorophenol	0.18 U				
Phenanthrene	0.0351 U				
Phenol	0.0397 U				

Attachment C - Environmental Sampling Results For Location EV02

Chemical	Sample Results for: EV02SS0010006	Soil - mg/kg			
Pyrene	0.021 U				
Total Carcinogenic PAHS (BaP TEQs)	0.0504752 U				
Total Petroleum Hydrocarbon					
Tph (c03-c20)	--				
Tph (c08-c40)	--				
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	0.000456 U				
1,1,1-Trichloroethane	0.000608 U				
1,1,2,2-Tetrachloroethane	0.000304 U				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.00106 U				
1,1,2-Trichloroethane	0.000456 U				
1,1-Dichloroethane	0.00106 U				
1,1-Dichloroethene	0.000759 U				
1,2,3-Trichlorobenzene	0.000759 U				
1,2,3-Trichloropropane	0.000456 U				
1,2,4-Trichlorobenzene	0.000456 U				
1,2,4-Trimethylbenzene	0.000608 U				
1,2-Dibromo-3-Chloropropane	0.000608 U				
1,2-Dibromoethane	0.000152 U				
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	0.000911 U				
1,2-Dichlorobenzene	0.000152 U				
1,2-Dichloroethane	0.000304 U				
1,2-Dichloropropane	0.000456 U				
1,3,5-Trimethylbenzene	0.000304 U				
1,3-Butadiene	--				
1,3-Dichlorobenzene	0.000304 U				
1,3-Dichloropropane	0.000304 U				
1,4-Dichlorobenzene	0.000152 U				
2,2-Dichloropropane	0.000759 U				
2-Butanone (methyl ethyl ketone)	0.00273 U				
2-Chlorotoluene	0.000456 U				
2-Hexanone	0.00152 U				
4-Chlorotoluene	0.000304 U				
4-Isopropyltoluene	0.000304 U				
4-Methyl-2-Pentanone	0.000456 U				
Acetaldehyde	--				

Attachment C - Environmental Sampling Results For Location EV02

Chemical	Sample Results for: EV02SS0010006	Soil - mg/kg			
Acetone	0.00881 J				
Acetonitrile	--				
Acetophenone	--				
Acrolein	0.00775 U				
Acrylonitrile	--				
Benzene	0.000456 U				
Bis(2-Chloroethyl)ether	--				
Bis(chloromethyl)ether	--				
Bromochloromethane	0.000608 U				
Bromodichloromethane	0.000608 U				
Bromoform	0.000304 U				
Bromomethane	0.00456 U				
Carbon Disulfide	--				
Carbon Tetrachloride	0.000608 U				
Chlorobenzene	0.000304 U				
Chloroethane	0.000608 U				
Chloroform	0.00106 U				
Chloromethane	0.00137 U				
Chloroprene	--				
cis-1,2-Dichloroethene	0.00106 U				
cis-1,3-Dichloropropene	0.000152 U				
Cyclohexane	--				
Dibromochloromethane	0.000152 U				
Dibromomethane	--				
Dichlorodifluoromethane (Freon 12)	0.000456 U				
Ethylbenzene	0.000456 U				
Formaldehyde	--				
Hexane	--				
Isobutyl Alcohol	--				
Isophorone	--				
Isopropylbenzene	0.000304 U				
m,p-Xylenes	0.000911 U				
Methyl Acetate	--				
Methyl tert-Butyl Ether	0.000759 U				
Methylcyclohexane	--				
Methylene Chloride	0.00152 U				

Attachment C - Environmental Sampling Results For Location EV02

Chemical	Sample Results for: EV02SS0010006	Soil - mg/kg			
n-Butylbenzene	0.000304 U				
n-Propylbenzene	0.000456 U				
o-Xylene	0.000304 U				
Pentachloroethane	--				
sec-Butylbenzene	0.000304 U				
Styrene	0.000304 U				
tert-Butylbenzene	0.000608 U				
Tetrachloroethene	0.000911 U				
Toluene	0.000759 U				
trans-1,2-Dichloroethene	0.000911 U				
trans-1,3-Dichloropropene	0.000456 U				
Trans-1,4-Dichloro-2-Butene	--				
Trichloroethene	0.000759 U				
Trichlorofluoromethane	0.00122 U				
Vinyl Acetate	--				
Vinyl Chloride	0.000608 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 EV03

Chemical	Sample Results for: EV03SS0010006	Soil - mg/kg			
Alkane Hydrocarbon					
Octane	--				
Pentadecane	--				
Tridecane	--				
Undecane	--				
Anion					
Chloride	--				
Cyanide	0.139 U				
Fluoride	--				
Nitrate (measured as NO ₃ -)	--				
Nitrite (measured as NO ₂ -)	--				
Phosphate	--				
Sulfate	--				
Dioxins/Furans					
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.00000018067				
Disinfectants					
Chlorine (as Cl ₂)	--				
Disinfection Byproducts					
Total Trihalomethanes	--				
Field Parameters					
Dissolved Oxygen	--				
Oxidation Reduction Potential	--				
pH	--				
Salinity	--				
Specific Conductance	--				
Temperature	--				
Total Dissolved Solids	--				
Total Solids	87.7				
Turbidity	--				
Inorganics					
Aluminum	39200				
Antimony	0.417				
Arsenic	12.2				
Barium	314				
Beryllium	4.79				
Cadmium (Diet)	0.22				
Cadmium (Water)	--				

Attachment C - Environmental Sampling Results For Location EV03

Chemical	Sample Results for: EV03SS0010006	Soil - mg/kg			
Chromium	3.88				
Cobalt	4.98				
Copper	16.8				
Iron	18900				
Lead	28.6				
Manganese (Diet)	519				
Manganese (Water)	--				
Mercury	0.102 U				
Nickel	4.3				
Selenium	0.537				
Silver	0.0931 U				
Thallium	3.75				
Tin	2.46				
Vanadium	40.6				
Zinc	50.8				
Microorganisms					
Fecal Coliform	--				
Fecal Streptococcus	--				
Heterotrophic Plate Count	--				
Total Coliforms (including Fecal Coliform and E. Coli)	--				
Pesticides					
4,4-DDD	0.00048 U				
4,4-DDE	0.000472 U				
4,4-DDT	0.000632 U				
Aldrin	0.000383 U				
alpha-BHC	0.000472 U				
alpha-Chlordane	0.000383 U				
beta-BHC	0.000578 U				
Chlordane	--				
delta-BHC	0.000525 U				
Dieldrin	0.000534 U				
Endosulfan I	0.00048 U				
Endosulfan II	0.000383 U				
Endosulfan Sulfate	0.000543 U				
Endrin	0.000614 U				
Endrin Aldehyde	0.000552 U				

Attachment C - Environmental Sampling Results For Location EV03

Chemical	Sample Results for: EV03SS0010006	Soil - mg/kg			
gamma-BHC (Lindane)	0.000454 U				
gamma-Chlordane	0.000418 U				
Heptachlor	0.000543 U				
Heptachlor Epoxide	0.000418 U				
Methoxychlor	0.000676 U				
Toxaphene	0.00609 U				
Polychlorinated bi-phenyls					
Aroclor 1016	0.0071 U				
Aroclor 1016/1260	--				
Aroclor 1221	0.0071 U				
Aroclor 1232	0.0071 U				
Aroclor 1242	0.0071 U				
Aroclor 1248	0.0071 U				
Aroclor 1254	0.0071 U				
Aroclor 1260	0.0071 U				
Radionuclides					
Uranium	--				
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	0.0165 U				
1,2,4,5-Tetrachlorobenzene	0.0132 U				
2,3,4,6-Tetrachlorophenol	0.078 U				
2,4,5-Trichlorophenol	0.135 U				
2,4,6-Trichlorophenol	0.0725 U				
2,4-Dichlorophenol	0.0846 U				
2,4-Dimethylphenol	0.163 U				
2,4-Dinitrophenol	0.0604 U				
2,4-Dinitrotoluene	0.0198 U				
2,6-Dichlorophenol	0.0516 U				
2,6-Dinitrotoluene	0.0165 U				
2-Chloronaphthalene	0.00879 U				
2-Chlorophenol	0.0549 U				
2-Methylnaphthalene	0.0187 U				
2-Methylphenol (o-Cresol)	0.11 U				
2-Nitrophenol	0.0692 U				
3&4-Methylphenol	0.126 U				
3-Methylphenol	--				
3-Nitroaniline	0.0198 U				

Attachment C - Environmental Sampling Results For Location EV03

Chemical	Sample Results for: EV03SS0010006	Soil - mg/kg			
4,6-Dinitro-2-Methylphenol	0.0736 U				
4-Bromophenylphenylether	0.0132 U				
4-Chloro-3-Methylphenol	0.0967 U				
4-Chloroaniline	0.0253 U				
4-Methylphenol (p-Cresol)	--				
4-Nitroaniline	0.0483 U				
4-Nitrophenol	0.13 U				
Acenaphthene	0.011 U				
Acenaphthylene	0.00989 U				
Aniline	0.022 U				
Anthracene	0.0132 U				
Atrazine	0.0286 U				
Benzo(g,h,i)perylene	0.0308 U				
Bis(2-ethylhexyl)phthalate	0.115 U				
Butylbenzylphthalate	0.033 U				
Carbazole	0.0198 U				
Di-n-butylphthalate	0.0472 U				
Di-n-octylphthalate	0.022 U				
Dibenzofuran	0.011 U				
Diethylphthalate	0.0187 U				
Dimethylphthalate	0.0143 U				
Diphenylamine	0.0571 U				
Fluoranthene	0.0209 U				
Fluorene	0.0132 U				
Hexachlorobenzene	0.0121 U				
Hexachlorobutadiene	0.011 U				
Hexachlorocyclopentadiene	0.0154 U				
Hexachloroethane	0.0121 U				
Naphthalene	0.00659 U				
Nitrobenzene	0.0165 U				
o-Toluidine	0.0198 U				
Pentachlorobenzene	0.0308 U				
Pentachloronitrobenzene	0.000445 U				
Pentachlorophenol	0.169 U				
Phenanthrene	0.033 U				
Phenol	0.0373 U				

Attachment C - Environmental Sampling Results For Location EV03

Chemical	Sample Results for: EV03SS0010006	Soil - mg/kg			
Pyrene	0.0198 U				
Total Carcinogenic PAHS (BaP TEQs)	0.0475023 U				
Total Petroleum Hydrocarbon					
Tph (c03-c20)	--				
Tph (c08-c40)	--				
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	0.000333 U				
1,1,1-Trichloroethane	0.000444 U				
1,1,2,2-Tetrachloroethane	0.000222 U				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.000777 U				
1,1,2-Trichloroethane	0.000333 U				
1,1-Dichloroethane	0.000777 U				
1,1-Dichloroethene	0.000555 U				
1,2,3-Trichlorobenzene	0.000555 U				
1,2,3-Trichloropropane	0.000333 U				
1,2,4-Trichlorobenzene	0.000333 U				
1,2,4-Trimethylbenzene	0.000444 U				
1,2-Dibromo-3-Chloropropane	0.000444 U				
1,2-Dibromoethane	0.000111 U				
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	0.000666 U				
1,2-Dichlorobenzene	0.000111 U				
1,2-Dichloroethane	0.000222 U				
1,2-Dichloropropane	0.000333 U				
1,3,5-Trimethylbenzene	0.000222 U				
1,3-Butadiene	--				
1,3-Dichlorobenzene	0.000222 U				
1,3-Dichloropropane	0.000222 U				
1,4-Dichlorobenzene	0.000111 U				
2,2-Dichloropropane	0.000555 U				
2-Butanone (methyl ethyl ketone)	0.002 U				
2-Chlorotoluene	0.000333 U				
2-Hexanone	0.00111 U				
4-Chlorotoluene	0.000222 U				
4-Isopropyltoluene	0.000222 U				
4-Methyl-2-Pentanone	0.000333 U				
Acetaldehyde	--				

Attachment C - Environmental Sampling Results For Location EV03

Chemical	Sample Results for: EV03SS0010006	Soil - mg/kg			
Acetone	0.0109 J				
Acetonitrile	--				
Acetophenone	--				
Acrolein	0.00566 U				
Acrylonitrile	--				
Benzene	0.000333 U				
Bis(2-Chloroethyl)ether	--				
Bis(chloromethyl)ether	--				
Bromochloromethane	0.000444 U				
Bromodichloromethane	0.000444 U				
Bromoform	0.000222 U				
Bromomethane	0.00333 U				
Carbon Disulfide	--				
Carbon Tetrachloride	0.000444 U				
Chlorobenzene	0.000222 U				
Chloroethane	0.000444 U				
Chloroform	0.000777 U				
Chloromethane	0.000998 U				
Chloroprene	--				
cis-1,2-Dichloroethene	0.000777 U				
cis-1,3-Dichloropropene	0.000111 U				
Cyclohexane	--				
Dibromochloromethane	0.000111 U				
Dibromomethane	--				
Dichlorodifluoromethane (Freon 12)	0.000333 U				
Ethylbenzene	0.000333 U				
Formaldehyde	--				
Hexane	--				
Isobutyl Alcohol	--				
Isophorone	--				
Isopropylbenzene	0.000222 U				
m,p-Xylenes	0.000666 U				
Methyl Acetate	--				
Methyl tert-Butyl Ether	0.000555 U				
Methylcyclohexane	--				
Methylene Chloride	0.00111 U				

Attachment C - Environmental Sampling Results For Location EV03

Chemical	Sample Results for: EV03SS0010006	Soil - mg/kg			
n-Butylbenzene	0.000222 U				
n-Propylbenzene	0.000333 U				
o-Xylene	0.000222 U				
Pentachloroethane	--				
sec-Butylbenzene	0.000222 U				
Styrene	0.000222 U				
tert-Butylbenzene	0.000444 U				
Tetrachloroethene	0.000666 U				
Toluene	0.00149 J				
trans-1,2-Dichloroethene	0.000666 U				
trans-1,3-Dichloropropene	0.000333 U				
Trans-1,4-Dichloro-2-Butene	--				
Trichloroethene	0.000555 U				
Trichlorofluoromethane	0.000888 U				
Vinyl Acetate	--				
Vinyl Chloride	0.000444 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 EV03

	Chemical	Soil Gas - mg/m3				
		Sample Results for: EV03SG0010018				
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 EV03

	Soil Gas - mg/m3				
	Sample Results for: EV03SG0010018				
Chemical					
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 EV03

	Soil Gas - mg/m3				
	Sample Results for: EV03SG0010018				
Chemical					
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 EV03

Chemical	Soil Gas - mg/m3				
	Sample Results for: EV03SG0010018				
4,6-Dinitro-2-Methylphenol	--				
4-Bromophenylphenylether	--				
4-Chloro-3-Methylphenol	--				
4-Chloroaniline	--				
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 EV03

	Soil Gas - mg/m3				
	Sample Results for: EV03SG0010018				
Chemical					
Pyrene	0.002090164 U				
Total Carcinogenic PAHS (BaP TEQs)	--				
Total Petroleum Hydrocarbon					
Tph (c03-c20)	0.0161025				
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 EV03

Chemical	Soil Gas - mg/m3				
	Sample Results for: EV03SG0010018				
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 EV03

Chemical	Soil Gas - mg/m3				
	Sample Results for: EV03SG0010018				
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 Streptococcus 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 EV03

Chemical	Sample Results for: EV03TW001	Tap Water - mg/L			
Alkane Hydrocarbon					
Octane	--				
Pentadecane	--				
Tridecane	--				
Undecane	--				
Anion					
Chloride	31.4				
Cyanide	0.004 U				
Fluoride	0.2 U				
Nitrate (measured as NO ₃ -)	7.8				
Nitrite (measured as NO ₂ -)	0.2 U				
Phosphate	0.4 U				
Sulfate	10.8				
Dioxins/Furans					
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.000000000134				
Disinfectants					
Chlorine (as Cl ₂)	0.02				
Disinfection Byproducts					
Total Trihalomethanes	0.00279				
Field Parameters					
Dissolved Oxygen	7.27				
Oxidation Reduction Potential	587				
pH	7.32				
Salinity	--				
Specific Conductance	0.97				
Temperature	29				
Total Dissolved Solids	--				
Total Solids	--				
Turbidity	--				
Inorganics					
Aluminum	0.0022 U				
Antimony	0.00016				
Arsenic	0.00336				
Barium	0.0174				
Beryllium	0.00003 U				
Cadmium (Diet)	--				
Cadmium (Water)	0.00004 U				

Attachment C - Environmental Sampling Results For Location EV03

Chemical	Sample Results for: EV03TW001	Tap Water - mg/L			
Chromium	0.000632				
Cobalt	0.000179				
Copper	0.442				
Iron	0.0198				
Lead	0.00124				
Manganese (Diet)	--				
Manganese (Water)	0.00652				
Mercury	0.000025				
Nickel	0.0246				
Selenium	0.000371				
Silver	0.00012 U				
Thallium	0.000275 U				
Tin	0.000129				
Vanadium	0.00425				
Zinc	0.23				
Microorganisms					
Fecal Coliform	1 <				
Fecal Streptococcus	0				
Heterotrophic Plate Count	48				
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 EV03

	Chemical	Tap Water - mg/L				
		Sample Results for: EV03TW001				
	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	0.00163				
Semi-Volatile Organic Compounds						
	1,1'-Biphenyl	0.000191 U				
	1,2,4,5-Tetrachlorobenzene	0.000191 U				
	2,3,4,6-Tetrachlorophenol	0.000286 U				
	2,4,5-Trichlorophenol	0.000476 U				
	2,4,6-Trichlorophenol	0.000476 U				
	2,4-Dichlorophenol	0.000667 U				
	2,4-Dimethylphenol	0.000953 U				
	2,4-Dinitrophenol	0.000286 U				
	2,4-Dinitrotoluene	0.000953 U				
	2,6-Dichlorophenol	0.000762 U				
	2,6-Dinitrotoluene	0.0000953 U				
	2-Chloronaphthalene	0.000191 U				
	2-Chlorophenol	0.000858 U				
	2-Methylnaphthalene	0.000191 U				
	2-Methylphenol (o-Cresol)	0.000667 U				
	2-Nitrophenol	0.000858 U				
	3&4-Methylphenol	0.00114 U				
	3-Methylphenol	--				
	3-Nitroaniline	0.000953 U				

Attachment C - Environmental Sampling Results For Location EV03

Chemical	Sample Results for: EV03TW001	Tap Water - mg/L			
4,6-Dinitro-2-Methylphenol	0.000191 U				
4-Bromophenylphenylether	0.0000953 U				
4-Chloro-3-Methylphenol	0.000572 U				
4-Chloroanalanine	0.000953 U				
4-Methylphenol (p-Cresol)	--				
4-Nitroaniline	0.000953 U				
4-Nitrophenol	0.000286 U				
Acenaphthene	0.0000953 U				
Acenaphthylene	0.0000953 U				
Aniline	0.000953 U				
Anthracene	0.0000953 U				
Atrazine	0.0000953 U				
Benzo(g,h,i)perylene	0.0000953 U				
Bis(2-ethylhexyl)phthalate	0.00133 U				
Butylbenzylphthalate	0.0000953 U				
Carbazole	0.0000953 U				
Di-n-butylphthalate	0.00124 U				
Di-n-octylphthalate	0.000191 U				
Dibenzofuran	0.0000953 U				
Diethylphthalate	0.000191 U				
Dimethylphthalate	0.0000953 U				
Diphenylamine	0.0000953 U				
Fluoranthene	0.0000953 U				
Fluorene	0.0000953 U				
Hexachlorobenzene	0.0000953 U				
Hexachlorobutadiene	0.000191 U				
Hexachlorocyclopentadiene	0.000953 U				
Hexachloroethane	0.0000953 U				
Naphthalene	0.000191 U				
Nitrobenzene	0.000191 U				
o-Toluidine	0.000667 U				
Pentachlorobenzene	0.000191 U				
Pentachloronitrobenzene	0.000003 U				
Pentachlorophenol	0.000286 U				
Phenanthrene	0.0000953 U				
Phenol	0.000953 U				

Attachment C - Environmental Sampling Results For Location EV03

Chemical	Sample Results for: EV03TW001	Tap Water - mg/L			
Pyrene	0.0000953 U				
Total Carcinogenic PAHS (BaP TEQs)	0.00011436 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 EV03

Chemical	Sample Results for: EV03TW001	Tap Water - mg/L				
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	0.000282 J					
Bromoform	0.00203					
Bromomethane	0.00037 U					
Carbon Disulfide	--					
Carbon Tetrachloride	0.00008 U					
Chlorobenzene	0.00012 U					
Chloroethane	0.00018 U					
Chloroform	0.00009 U					
Chloromethane	0.00021 U					
Chloroprene	--					
cis-1,2-Dichloroethene	0.00013 U					
cis-1,3-Dichloropropene	0.00015 U					
Cyclohexane	--					
Dibromochloromethane	0.000478 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 EV03

Chemical	Sample Results for: EV03TW001	Tap Water - mg/L			
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 Streptococcus 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 EV04

Chemical	Soil - mg/kg				
	Sample Results for: EV04SS0010006				
Alkane Hydrocarbon					
Octane	--				
Pentadecane	--				
Tridecane	--				
Undecane	--				
Anion					
Chloride	--				
Cyanide	0.145 U				
Fluoride	--				
Nitrate (measured as NO ₃ -)	--				
Nitrite (measured as NO ₂ -)	--				
Phosphate	--				
Sulfate	--				
Dioxins/Furans					
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.0000001744				
Disinfectants					
Chlorine (as Cl ₂)	--				
Disinfection Byproducts					
Total Trihalomethanes	--				
Field Parameters					
Dissolved Oxygen	--				
Oxidation Reduction Potential	--				
pH	--				
Salinity	--				
Specific Conductance	--				
Temperature	--				
Total Dissolved Solids	--				
Total Solids	85.3				
Turbidity	--				
Inorganics					
Aluminum	37700				
Antimony	0.41				
Arsenic	14				
Barium	263				
Beryllium	5				
Cadmium (Diet)	0.23				
Cadmium (Water)	--				

Attachment C - Environmental Sampling Results For Location EV04

Chemical	Sample Results for: EV04SS0010006	Soil - mg/kg			
Chromium	3.4				
Cobalt	4.9				
Copper	19				
Iron	18200				
Lead	30				
Manganese (Diet)	475				
Manganese (Water)	--				
Mercury	0.103 U				
Nickel	4.8				
Selenium	0.19				
Silver	0.1 U				
Thallium	2				
Tin	2.3				
Vanadium	42				
Zinc	51				
Microorganisms					
Fecal Coliform	--				
Fecal Streptococcus	--				
Heterotrophic Plate Count	--				
Total Coliforms (including Fecal Coliform and E. Coli)	--				
Pesticides					
4,4-DDD	0.000488 U				
4,4-DDE	0.000479 U				
4,4-DDT	0.000642 U				
Aldrin	0.000389 U				
alpha-BHC	0.000479 U				
alpha-Chlordane	0.000389 U				
beta-BHC	0.000588 U				
Chlordane	--				
delta-BHC	0.000533 U				
Dieldrin	0.000542 U				
Endosulfan I	0.000488 U				
Endosulfan II	0.000389 U				
Endosulfan Sulfate	0.000552 U				
Endrin	0.000624 U				
Endrin Aldehyde	0.000561 U				

Attachment C - Environmental Sampling Results For Location EV04

Chemical	Sample Results for: EV04SS0010006	Soil - mg/kg			
gamma-BHC (Lindane)	0.000461 U				
gamma-Chlordane	0.000425 U				
Heptachlor	0.000552 U				
Heptachlor Epoxide	0.000425 U				
Methoxychlor	0.000687 U				
Toxaphene	0.00636 U				
Polychlorinated bi-phenyls					
Aroclor 1016	0.00742 U				
Aroclor 1016/1260	--				
Aroclor 1221	0.00742 U				
Aroclor 1232	0.00742 U				
Aroclor 1242	0.00742 U				
Aroclor 1248	0.00742 U				
Aroclor 1254	0.00742 U				
Aroclor 1260	0.00742 U				
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 EV04

Chemical	Sample Results for: EV04SS0010006	Soil - mg/kg			
4,6-Dinitro-2-Methylphenol	0.0757 U				
4-Bromophenylphenylether	0.0136 U				
4-Chloro-3-Methylphenol	0.0994 U				
4-Chloroaniline	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	0.00733 J				
Nitrobenzene	0.0169 U				
o-Toluidine	0.0203 U				
Pentachlorobenzene	0.0316 U				
Pentachloronitrobenzene	0.000452 U				
Pentachlorophenol	0.174 U				
Phenanthrene	0.0339 U				
Phenol	0.0384 U				

Attachment C - Environmental Sampling Results For Location EV04

Chemical	Sample Results for: EV04SS0010006	Soil - mg/kg			
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	0.000337 U				
1,1,1-Trichloroethane	0.00045 U				
1,1,2,2-Tetrachloroethane	0.000225 U				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.000787 U				
1,1,2-Trichloroethane	0.000337 U				
1,1-Dichloroethane	0.000787 U				
1,1-Dichloroethene	0.000562 U				
1,2,3-Trichlorobenzene	0.000562 U				
1,2,3-Trichloropropane	0.000337 U				
1,2,4-Trichlorobenzene	0.000337 U				
1,2,4-Trimethylbenzene	0.00045 U				
1,2-Dibromo-3-Chloropropane	0.00045 U				
1,2-Dibromoethane	0.000112 U				
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	0.000675 U				
1,2-Dichlorobenzene	0.000112 U				
1,2-Dichloroethane	0.000225 U				
1,2-Dichloropropane	0.000337 U				
1,3,5-Trimethylbenzene	0.000225 U				
1,3-Butadiene	--				
1,3-Dichlorobenzene	0.000225 U				
1,3-Dichloropropane	0.000225 U				
1,4-Dichlorobenzene	0.000112 U				
2,2-Dichloropropane	0.000562 U				
2-Butanone (methyl ethyl ketone)	0.00359 J				
2-Chlorotoluene	0.000337 U				
2-Hexanone	0.00112 U				
4-Chlorotoluene	0.000225 U				
4-Isopropyltoluene	0.000225 U				
4-Methyl-2-Pentanone	0.000337 U				
Acetaldehyde	--				

Attachment C - Environmental Sampling Results For Location EV04

Chemical	Sample Results for: EV04SS0010006	Soil - mg/kg			
Acetone	0.0366				
Acetonitrile	--				
Acetophenone	--				
Acrolein	0.00574 U				
Acrylonitrile	--				
Benzene	0.000337 U				
Bis(2-Chloroethyl)ether	--				
Bis(chloromethyl)ether	--				
Bromochloromethane	0.00045 U				
Bromodichloromethane	0.00045 U				
Bromoform	0.000225 U				
Bromomethane	0.00337 U				
Carbon Disulfide	--				
Carbon Tetrachloride	0.00045 U				
Chlorobenzene	0.000225 U				
Chloroethane	0.00045 U				
Chloroform	0.000787 U				
Chloromethane	0.00101 U				
Chloroprene	--				
cis-1,2-Dichloroethene	0.000787 U				
cis-1,3-Dichloropropene	0.000112 U				
Cyclohexane	--				
Dibromochloromethane	0.000112 U				
Dibromomethane	--				
Dichlorodifluoromethane (Freon 12)	0.000337 U				
Ethylbenzene	0.000337 U				
Formaldehyde	--				
Hexane	--				
Isobutyl Alcohol	--				
Isophorone	--				
Isopropylbenzene	0.000225 U				
m,p-Xylenes	0.000675 U				
Methyl Acetate	--				
Methyl tert-Butyl Ether	0.000562 U				
Methylcyclohexane	--				
Methylene Chloride	0.00112 U				

Attachment C - Environmental Sampling Results For Location EV04

Chemical	Sample Results for: EV04SS0010006	Soil - mg/kg			
n-Butylbenzene	0.000225 U				
n-Propylbenzene	0.000337 U				
o-Xylene	0.000225 U				
Pentachloroethane	--				
sec-Butylbenzene	0.000225 U				
Styrene	0.000225 U				
tert-Butylbenzene	0.00045 U				
Tetrachloroethene	0.000675 U				
Toluene	0.00261 J				
trans-1,2-Dichloroethene	0.000675 U				
trans-1,3-Dichloropropene	0.000337 U				
Trans-1,4-Dichloro-2-Butene	--				
Trichloroethene	0.000562 U				
Trichlorofluoromethane	0.0009 U				
Vinyl Acetate	--				
Vinyl Chloride	0.00045 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 EV04

	Soil Gas - mg/m3				
	Sample Results for: EV04SG0010018				
Chemical					
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 EV04

	Soil Gas - mg/m3				
	Sample Results for: EV04SG0010018				
Chemical					
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 EV04

	Soil Gas - mg/m3				
	Sample Results for: EV04SG0010018				
Chemical					
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 EV04

Chemical	Soil Gas - mg/m3				
	Sample Results for: EV04SG0010018				
4,6-Dinitro-2-Methylphenol	--				
4-Bromophenylphenylether	--				
4-Chloro-3-Methylphenol	--				
4-Chloroaniline	--				
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 EV04

	Soil Gas - mg/m3				
	Sample Results for: EV04SG0010018				
Chemical					
Pyrene	0.002090164 U				
Total Carcinogenic PAHS (BaP TEQs)	--				
Total Petroleum Hydrocarbon					
Tph (c03-c20)	0.002531063				
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 EV04

Chemical	Soil Gas - mg/m3				
	Sample Results for: EV04SG0010018				
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 EV04

Chemical	Soil Gas - mg/m3				
	Sample Results for: EV04SG0010018				
Methylene Chloride	--				
n-Butylbenzene	--				
n-Propylbenzene	--				
o-Xylene	0.001322952 U				
Pentachloroethane	--				
sec-Butylbenzene	--				
Styrene	--				
tert-Butylbenzene	--				
Tetrachloroethene	0.025723238				
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 Streptococcus 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 EV04

Chemical	Sample Results for: EV04TW001	Tap Water - mg/L			
Alkane Hydrocarbon					
Octane	--				
Pentadecane	--				
Tridecane	--				
Undecane	--				
Anion					
Chloride	31.6				
Cyanide	0.004 U				
Fluoride	0.3				
Nitrate (measured as NO ₃ -)	7.76				
Nitrite (measured as NO ₂ -)	0.2 U				
Phosphate	0.4 U				
Sulfate	12.3				
Dioxins/Furans					
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.0000000000026				
Disinfectants					
Chlorine (as Cl ₂)	--				
Disinfection Byproducts					
Total Trihalomethanes	0.002709				
Field Parameters					
Dissolved Oxygen	6.89				
Oxidation Reduction Potential	581				
pH	7.3				
Salinity	--				
Specific Conductance	0.96				
Temperature	29.5				
Total Dissolved Solids	--				
Total Solids	--				
Turbidity	--				
Inorganics					
Aluminum	0.0068				
Antimony	0.000389				
Arsenic	0.0033				
Barium	0.0182				
Beryllium	0.00003 U				
Cadmium (Diet)	--				
Cadmium (Water)	0.0000848				

Attachment C - Environmental Sampling Results For Location EV04

Chemical	Sample Results for: EV04TW001	Tap Water - mg/L			
Chromium	0.000531				
Cobalt	0.000134				
Copper	0.241				
Iron	0.00972				
Lead	0.00383				
Manganese (Diet)	--				
Manganese (Water)	0.00257				
Mercury	0.000035				
Nickel	0.0362				
Selenium	0.0003				
Silver	0.00012 U				
Thallium	0.000137 U				
Tin	0.000161				
Vanadium	0.003				
Zinc	0.574				
Microorganisms					
Fecal Coliform	1 <				
Fecal Streptococcus	0				
Heterotrophic Plate Count	23				
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 EV04

	Sample Results for: EV04TW001	Tap Water - mg/L			
Chemical					
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	0.00136				
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	0.000191 U				
1,2,4,5-Tetrachlorobenzene	0.000191 U				
2,3,4,6-Tetrachlorophenol	0.000286 U				
2,4,5-Trichlorophenol	0.000477 U				
2,4,6-Trichlorophenol	0.000477 U				
2,4-Dichlorophenol	0.000668 U				
2,4-Dimethylphenol	0.000955 U				
2,4-Dinitrophenol	0.000286 U				
2,4-Dinitrotoluene	0.000955 U				
2,6-Dichlorophenol	0.000764 U				
2,6-Dinitrotoluene	0.0000955 U				
2-Chloronaphthalene	0.000191 U				
2-Chlorophenol	0.000859 U				
2-Methylnaphthalene	0.000191 U				
2-Methylphenol (o-Cresol)	0.000668 U				
2-Nitrophenol	0.000859 U				
3&4-Methylphenol	0.00115 U				
3-Methylphenol	--				
3-Nitroaniline	0.000955 U				

Attachment C - Environmental Sampling Results For Location EV04

Chemical	Sample Results for: EV04TW001	Tap Water - mg/L			
4,6-Dinitro-2-Methylphenol	0.000191 U				
4-Bromophenylphenylether	0.0000955 U				
4-Chloro-3-Methylphenol	0.000573 U				
4-Chloroanalanine	0.000955 U				
4-Methylphenol (p-Cresol)	--				
4-Nitroaniline	0.000955 U				
4-Nitrophenol	0.000286 U				
Acenaphthene	0.0000955 U				
Acenaphthylene	0.0000955 U				
Aniline	0.000955 U				
Anthracene	0.0000955 U				
Atrazine	0.0000955 U				
Benzo(g,h,i)perylene	0.0000955 U				
Bis(2-ethylhexyl)phthalate	0.00134 U				
Butylbenzylphthalate	0.0000955 U				
Carbazole	0.0000955 U				
Di-n-butylphthalate	0.00124 U				
Di-n-octylphthalate	0.000191 U				
Dibenzofuran	0.0000955 U				
Diethylphthalate	0.000191 U				
Dimethylphthalate	0.0000955 U				
Diphenylamine	0.0000955 U				
Fluoranthene	0.0000955 U				
Fluorene	0.0000955 U				
Hexachlorobenzene	0.0000955 U				
Hexachlorobutadiene	0.000191 U				
Hexachlorocyclopentadiene	0.000955 U				
Hexachloroethane	0.0000955 U				
Naphthalene	0.000191 U				
Nitrobenzene	0.000191 U				
o-Toluidine	0.000668 U				
Pentachlorobenzene	0.000191 U				
Pentachloronitrobenzene	0.000003 U				
Pentachlorophenol	0.000286 U				
Phenanthrene	0.0000955 U				
Phenol	0.000955 U				

Attachment C - Environmental Sampling Results For Location EV04

Chemical	Sample Results for: EV04TW001	Tap Water - mg/L			
Pyrene	0.0000955 U				
Total Carcinogenic PAHS (BaP TEQs)	0.0001146 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 EV04

Chemical	Tap Water - mg/L				
	Sample Results for: EV04TW001				
Acetaldehyde	--				
Acetone	0.00167 J				
Acetonitrile	--				
Acetophenone	--				
Acrolein	0.0004 U				
Acrylonitrile	--				
Benzene	0.00005 U				
Bis(2-Chloroethyl)ether	--				
Bis(chloromethyl)ether	--				
Bromochloromethane	0.0001 U				
Bromodichloromethane	0.000292 J				
Bromoform	0.00194				
Bromomethane	0.00037 U				
Carbon Disulfide	--				
Carbon Tetrachloride	0.00008 U				
Chlorobenzene	0.00012 U				
Chloroethane	0.00018 U				
Chloroform	0.00009 U				
Chloromethane	0.00021 U				
Chloroprene	--				
cis-1,2-Dichloroethene	0.00013 U				
cis-1,3-Dichloropropene	0.00015 U				
Cyclohexane	--				
Dibromochloromethane	0.000477 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 EV04

Chemical	Sample Results for: EV04TW001	Tap Water - mg/L			
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 Streptococcus 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 EV05

Chemical	Soil - mg/kg				
	Sample Results for: EV05SS0010006				
Alkane Hydrocarbon					
Octane	--				
Pentadecane	--				
Tridecane	--				
Undecane	--				
Anion					
Chloride	--				
Cyanide	0.142 U				
Fluoride	--				
Nitrate (measured as NO ₃ -)	--				
Nitrite (measured as NO ₂ -)	--				
Phosphate	--				
Sulfate	--				
Dioxins/Furans					
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.00000052075				
Disinfectants					
Chlorine (as Cl ₂)	--				
Disinfection Byproducts					
Total Trihalomethanes	--				
Field Parameters					
Dissolved Oxygen	--				
Oxidation Reduction Potential	--				
pH	--				
Salinity	--				
Specific Conductance	--				
Temperature	--				
Total Dissolved Solids	--				
Total Solids	85.5				
Turbidity	--				
Inorganics					
Aluminum	34200				
Antimony	0.417				
Arsenic	11.7				
Barium	300				
Beryllium	4.19				
Cadmium (Diet)	0.197				
Cadmium (Water)	--				

Attachment C - Environmental Sampling Results For Location EV05

Chemical	Sample Results for: EV05SS0010006	Soil - mg/kg			
Chromium	3.71				
Cobalt	4.81				
Copper	14.9				
Iron	19400				
Lead	26.1				
Manganese (Diet)	462				
Manganese (Water)	--				
Mercury	0.0917 U				
Nickel	4.28				
Selenium	0.12				
Silver	0.098 U				
Thallium	1.34				
Tin	2.17				
Vanadium	39.1				
Zinc	56.4				
Microorganisms					
Fecal Coliform	--				
Fecal Streptococcus	--				
Heterotrophic Plate Count	--				
Total Coliforms (including Fecal Coliform and E. Coli)	--				
Pesticides					
4,4-DDD	0.000487 U				
4,4-DDE	0.000478 U				
4,4-DDT	0.000641 U				
Aldrin	0.000388 U				
alpha-BHC	0.000478 U				
alpha-Chlordane	0.000388 U				
beta-BHC	0.000587 U				
Chlordane	--				
delta-BHC	0.000532 U				
Dieldrin	0.000542 U				
Endosulfan I	0.000487 U				
Endosulfan II	0.000388 U				
Endosulfan Sulfate	0.000551 U				
Endrin	0.000623 U				
Endrin Aldehyde	0.00056 U				

Attachment C - Environmental Sampling Results For Location EV05

Chemical	Sample Results for: EV05SS0010006	Soil - mg/kg			
gamma-BHC (Lindane)	0.00046 U				
gamma-Chlordane	0.000424 U				
Heptachlor	0.000551 U				
Heptachlor Epoxide	0.000424 U				
Methoxychlor	0.000686 U				
Toxaphene	0.00633 U				
Polychlorinated bi-phenyls					
Aroclor 1016	0.00739 U				
Aroclor 1016/1260	--				
Aroclor 1221	0.00739 U				
Aroclor 1232	0.00739 U				
Aroclor 1242	0.00739 U				
Aroclor 1248	0.00739 U				
Aroclor 1254	0.00739 U				
Aroclor 1260	0.00739 U				
Radionuclides					
Uranium	--				
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	0.0168 U				
1,2,4,5-Tetrachlorobenzene	0.0135 U				
2,3,4,6-Tetrachlorophenol	0.0797 U				
2,4,5-Trichlorophenol	0.138 U				
2,4,6-Trichlorophenol	0.0741 U				
2,4-Dichlorophenol	0.0864 U				
2,4-Dimethylphenol	0.166 U				
2,4-Dinitrophenol	0.0617 U				
2,4-Dinitrotoluene	0.0202 U				
2,6-Dichlorophenol	0.0527 U				
2,6-Dinitrotoluene	0.0168 U				
2-Chloronaphthalene	0.00898 U				
2-Chlorophenol	0.0561 U				
2-Methylnaphthalene	0.0191 U				
2-Methylphenol (o-Cresol)	0.112 U				
2-Nitrophenol	0.0707 U				
3&4-Methylphenol	0.129 U				
3-Methylphenol	--				
3-Nitroaniline	0.0202 U				

Attachment C - Environmental Sampling Results For Location EV05

Chemical	Sample Results for: EV05SS0010006	Soil - mg/kg			
4,6-Dinitro-2-Methylphenol	0.0752 U				
4-Bromophenylphenylether	0.0135 U				
4-Chloro-3-Methylphenol	0.0987 U				
4-Chloroaniline	0.0258 U				
4-Methylphenol (p-Cresol)	--				
4-Nitroaniline	0.0494 U				
4-Nitrophenol	0.132 U				
Acenaphthene	0.0112 U				
Acenaphthylene	0.0101 U				
Aniline	0.0224 U				
Anthracene	0.0135 U				
Atrazine	0.0292 U				
Benzo(g,h,i)perylene	0.0314 U				
Bis(2-ethylhexyl)phthalate	0.118 U				
Butylbenzylphthalate	0.0337 U				
Carbazole	0.0202 U				
Di-n-butylphthalate	0.0482 U				
Di-n-octylphthalate	0.0224 U				
Dibenzofuran	0.0112 U				
Diethylphthalate	0.0191 U				
Dimethylphthalate	0.0146 U				
Diphenylamine	0.0583 U				
Fluoranthene	0.0213 U				
Fluorene	0.0135 U				
Hexachlorobenzene	0.0123 U				
Hexachlorobutadiene	0.0112 U				
Hexachlorocyclopentadiene	0.0157 U				
Hexachloroethane	0.0123 U				
Naphthalene	0.00673 U				
Nitrobenzene	0.0168 U				
o-Toluidine	0.0202 U				
Pentachlorobenzene	0.0314 U				
Pentachloronitrobenzene	0.000451 U				
Pentachlorophenol	0.173 U				
Phenanthrene	0.0337 U				
Phenol	0.0381 U				

Attachment C - Environmental Sampling Results For Location EV05

Chemical	Sample Results for: EV05SS0010006	Soil - mg/kg			
Pyrene	0.0202 U				
Total Carcinogenic PAHS (BaP TEQs)	0.0484966 U				
Total Petroleum Hydrocarbon					
Tph (c03-c20)	--				
Tph (c08-c40)	--				
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	0.000365 U				
1,1,1-Trichloroethane	0.000486 U				
1,1,2,2-Tetrachloroethane	0.000243 U				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.000851 U				
1,1,2-Trichloroethane	0.000365 U				
1,1-Dichloroethane	0.000851 U				
1,1-Dichloroethene	0.000608 U				
1,2,3-Trichlorobenzene	0.000608 U				
1,2,3-Trichloropropane	0.000365 U				
1,2,4-Trichlorobenzene	0.000365 U				
1,2,4-Trimethylbenzene	0.000486 U				
1,2-Dibromo-3-Chloropropane	0.000486 U				
1,2-Dibromoethane	0.000122 U				
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	0.000729 U				
1,2-Dichlorobenzene	0.000122 U				
1,2-Dichloroethane	0.000243 U				
1,2-Dichloropropane	0.000365 U				
1,3,5-Trimethylbenzene	0.000243 U				
1,3-Butadiene	--				
1,3-Dichlorobenzene	0.000243 U				
1,3-Dichloropropane	0.000243 U				
1,4-Dichlorobenzene	0.000122 U				
2,2-Dichloropropane	0.000608 U				
2-Butanone (methyl ethyl ketone)	0.00219 U				
2-Chlorotoluene	0.000365 U				
2-Hexanone	0.00122 U				
4-Chlorotoluene	0.000243 U				
4-Isopropyltoluene	0.000243 U				
4-Methyl-2-Pentanone	0.000365 U				
Acetaldehyde	--				

Attachment C - Environmental Sampling Results For Location EV05

Chemical	Sample Results for: EV05SS0010006	Soil - mg/kg			
Acetone	0.0477				
Acetonitrile	--				
Acetophenone	--				
Acrolein	0.0062 U				
Acrylonitrile	--				
Benzene	0.000365 U				
Bis(2-Chloroethyl)ether	--				
Bis(chloromethyl)ether	--				
Bromochloromethane	0.000486 U				
Bromodichloromethane	0.000486 U				
Bromoform	0.000243 U				
Bromomethane	0.00365 U				
Carbon Disulfide	--				
Carbon Tetrachloride	0.000486 U				
Chlorobenzene	0.000243 U				
Chloroethane	0.000486 U				
Chloroform	0.000851 U				
Chloromethane	0.00109 U				
Chloroprene	--				
cis-1,2-Dichloroethene	0.000851 U				
cis-1,3-Dichloropropene	0.000122 U				
Cyclohexane	--				
Dibromochloromethane	0.000122 U				
Dibromomethane	--				
Dichlorodifluoromethane (Freon 12)	0.000365 U				
Ethylbenzene	0.000365 U				
Formaldehyde	--				
Hexane	--				
Isobutyl Alcohol	--				
Isophorone	--				
Isopropylbenzene	0.000243 U				
m,p-Xylenes	0.000729 U				
Methyl Acetate	--				
Methyl tert-Butyl Ether	0.000608 U				
Methylcyclohexane	--				
Methylene Chloride	0.00122 U				

Attachment C - Environmental Sampling Results For Location EV05

Chemical	Sample Results for: EV05SS0010006	Soil - mg/kg			
n-Butylbenzene	0.000243 U				
n-Propylbenzene	0.000365 U				
o-Xylene	0.000243 U				
Pentachloroethane	--				
sec-Butylbenzene	0.000243 U				
Styrene	0.000243 U				
tert-Butylbenzene	0.000486 U				
Tetrachloroethene	0.000729 U				
Toluene	0.00113 J				
trans-1,2-Dichloroethene	0.000729 U				
trans-1,3-Dichloropropene	0.000365 U				
Trans-1,4-Dichloro-2-Butene	--				
Trichloroethene	0.000608 U				
Trichlorofluoromethane	0.000972 U				
Vinyl Acetate	--				
Vinyl Chloride	0.000486 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 EV05

	Chemical	Soil Gas - mg/m3				
		Sample Results for: EV05SG0010018				
Alkane Hydrocarbon						
Octane	0.001253153 U					
Pentadecane	0.001110309					
Tridecane	0.001041796					
Undecane	0.00104369					
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 EV05

	Soil Gas - mg/m3				
	Sample Results for: EV05SG0010018				
Chemical					
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 EV05

	Soil Gas - mg/m3				
	Sample Results for: EV05SG0010018				
Chemical					
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 EV05

Chemical	Soil Gas - mg/m3				
	Sample Results for: EV05SG0010018				
4,6-Dinitro-2-Methylphenol	--				
4-Bromophenylphenylether	--				
4-Chloro-3-Methylphenol	--				
4-Chloroaniline	--				
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 EV05

	Chemical	Soil Gas - mg/m3				
		Sample Results for: EV05SG0010018				
Pyrene	0.002090164 U					
Total Carcinogenic PAHS (BaP TEQs)	--					
Total Petroleum Hydrocarbon						
Tph (c03-c20)	0.152321281					
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 EV05

Chemical	Soil Gas - mg/m3				
	Sample Results for: EV05SG0010018				
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 EV05

Chemical	Soil Gas - mg/m3				
	Sample Results for: EV05SG0010018				
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 Streptococcus 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 EV05

Chemical	Sample Results for: EV05TW001	Tap Water - mg/L			
Alkane Hydrocarbon					
Octane	--				
Pentadecane	--				
Tridecane	--				
Undecane	--				
Anion					
Chloride	28.1				
Cyanide	0.004 U				
Fluoride	0.209				
Nitrate (measured as NO ₃ -)	7.26				
Nitrite (measured as NO ₂ -)	0.2 U				
Phosphate	0.4 U				
Sulfate	10.2				
Dioxins/Furans					
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.000000000053				
Disinfectants					
Chlorine (as Cl ₂)	0.1				
Disinfection Byproducts					
Total Trihalomethanes	0.00302				
Field Parameters					
Dissolved Oxygen	8.050000000000001				
Oxidation Reduction Potential	624				
pH	7.19				
Salinity	--				
Specific Conductance	0.94				
Temperature	25.8				
Total Dissolved Solids	--				
Total Solids	--				
Turbidity	--				
Inorganics					
Aluminum	0.0022 U				
Antimony	0.00205				
Arsenic	0.00365				
Barium	0.0147				
Beryllium	0.00003 U				
Cadmium (Diet)	--				
Cadmium (Water)	0.000174				

Attachment C - Environmental Sampling Results For Location EV05

Chemical	Sample Results for: EV05TW001	Tap Water - mg/L			
Chromium	0.000914				
Cobalt	0.000387				
Copper	0.132				
Iron	0.0121				
Lead	0.0126				
Manganese (Diet)	--				
Manganese (Water)	0.0308				
Mercury	0.00004				
Nickel	0.361				
Selenium	0.00035				
Silver	0.00012 U				
Thallium	0.000712 U				
Tin	0.000199				
Vanadium	0.00351				
Zinc	0.917				
Microorganisms					
Fecal Coliform	1 <				
Fecal Streptococcus	0				
Heterotrophic Plate Count	28				
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 EV05

	Sample Results for: EV05TW001	Tap Water - mg/L			
Chemical					
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	0.00151				
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	0.000212 U				
1,2,4,5-Tetrachlorobenzene	0.000212 U				
2,3,4,6-Tetrachlorophenol	0.000317 U				
2,4,5-Trichlorophenol	0.000529 U				
2,4,6-Trichlorophenol	0.000529 U				
2,4-Dichlorophenol	0.00074 U				
2,4-Dimethylphenol	0.00106 U				
2,4-Dinitrophenol	0.000317 U				
2,4-Dinitrotoluene	0.00106 U				
2,6-Dichlorophenol	0.000846 U				
2,6-Dinitrotoluene	0.000106 U				
2-Chloronaphthalene	0.000212 U				
2-Chlorophenol	0.000952 U				
2-Methylnaphthalene	0.000212 U				
2-Methylphenol (o-Cresol)	0.00074 U				
2-Nitrophenol	0.000952 U				
3&4-Methylphenol	0.00127 U				
3-Methylphenol	--				
3-Nitroaniline	0.00106 U				

Attachment C - Environmental Sampling Results For Location EV05

Chemical	Sample Results for: EV05TW001	Tap Water - mg/L			
4,6-Dinitro-2-Methylphenol	0.000212 U				
4-Bromophenylphenylether	0.000106 U				
4-Chloro-3-Methylphenol	0.000635 U				
4-Chloroanalanine	0.00106 U				
4-Methylphenol (p-Cresol)	--				
4-Nitroaniline	0.00106 U				
4-Nitrophenol	0.000317 U				
Acenaphthene	0.000106 U				
Acenaphthylene	0.000106 U				
Aniline	0.00106 U				
Anthracene	0.000106 U				
Atrazine	0.000106 U				
Benzo(g,h,i)perylene	0.000106 U				
Bis(2-ethylhexyl)phthalate	0.00148 U				
Butylbenzylphthalate	0.000106 U				
Carbazole	0.000106 U				
Di-n-butylphthalate	0.00138 U				
Di-n-octylphthalate	0.000212 U				
Dibenzofuran	0.000106 U				
Diethylphthalate	0.000212 U				
Dimethylphthalate	0.000106 U				
Diphenylamine	0.000106 U				
Fluoranthene	0.000106 U				
Fluorene	0.000106 U				
Hexachlorobenzene	0.000106 U				
Hexachlorobutadiene	0.000212 U				
Hexachlorocyclopentadiene	0.00106 U				
Hexachloroethane	0.000106 U				
Naphthalene	0.000212 U				
Nitrobenzene	0.000212 U				
o-Toluidine	0.00074 U				
Pentachlorobenzene	0.000212 U				
Pentachloronitrobenzene	0.000003 U				
Pentachlorophenol	0.000317 U				
Phenanthrene	0.000106 U				
Phenol	0.00106 U				

Attachment C - Environmental Sampling Results For Location EV05

	Chemical	Tap Water - mg/L				
		Sample Results for: EV05TW001				
Pyrene		0.000106 U				
Total Carcinogenic PAHS (BaP TEQs)		0.0001272 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 EV05

Chemical	Sample Results for: EV05TW001	Tap Water - mg/L			
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	0.000249 J				
Bromoform	0.00227				
Bromomethane	0.00037 U				
Carbon Disulfide	--				
Carbon Tetrachloride	0.00008 U				
Chlorobenzene	0.00012 U				
Chloroethane	0.00018 U				
Chloroform	0.00009 U				
Chloromethane	0.00021 U				
Chloroprene	--				
cis-1,2-Dichloroethene	0.00013 U				
cis-1,3-Dichloropropene	0.00015 U				
Cyclohexane	--				
Dibromochloromethane	0.000501				
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 EV05

Chemical	Sample Results for: EV05TW001	Tap Water - mg/L			
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 Streptococcus 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 EV06

Chemical	Soil - mg/kg				
	Sample Results for: EV06SS0010006				
Alkane Hydrocarbon					
Octane	--				
Pentadecane	--				
Tridecane	--				
Undecane	--				
Anion					
Chloride	--				
Cyanide	0.142 U				
Fluoride	--				
Nitrate (measured as NO ₃ -)	--				
Nitrite (measured as NO ₂ -)	--				
Phosphate	--				
Sulfate	--				
Dioxins/Furans					
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.00000044934				
Disinfectants					
Chlorine (as Cl ₂)	--				
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	43100				
Antimony	0.59				
Arsenic	15				
Barium	303				
Beryllium	5.6				
Cadmium (Diet)	0.28				
Cadmium (Water)	--				

Attachment C - Environmental Sampling Results For Location EV06

Chemical	Sample Results for: EV06SS0010006	Soil - mg/kg			
Chromium	4.9				
Cobalt	6.1				
Copper	32				
Iron	20700				
Lead	40				
Manganese (Diet)	644				
Manganese (Water)	--				
Mercury	0.103 U				
Nickel	6.9				
Selenium	0.14				
Silver	0.12				
Thallium	1.6				
Tin	2.8				
Vanadium	43				
Zinc	88				
Microorganisms					
Fecal Coliform	--				
Fecal Streptococcus	--				
Heterotrophic Plate Count	--				
Total Coliforms (including Fecal Coliform and E. Coli)	--				
Pesticides					
4,4-DDD	0.000481 U				
4,4-DDE	0.000472 U				
4,4-DDT	0.000633 U				
Aldrin	0.000383 U				
alpha-BHC	0.000472 U				
alpha-Chlordane	0.000383 U				
beta-BHC	0.000579 U				
Chlordane	--				
delta-BHC	0.000526 U				
Dieldrin	0.000535 U				
Endosulfan I	0.000481 U				
Endosulfan II	0.000383 U				
Endosulfan Sulfate	0.000544 U				
Endrin	0.000615 U				
Endrin Aldehyde	0.000553 U				

Attachment C - Environmental Sampling Results For Location EV06

Chemical	Sample Results for: EV06SS0010006	Soil - mg/kg			
gamma-BHC (Lindane)	0.000455 U				
gamma-Chlordane	0.000419 U				
Heptachlor	0.000544 U				
Heptachlor Epoxide	0.000419 U				
Methoxychlor	0.000677 U				
Toxaphene	0.00618 U				
Polychlorinated bi-phenyls					
Aroclor 1016	0.00721 U				
Aroclor 1016/1260	--				
Aroclor 1221	0.00721 U				
Aroclor 1232	0.00721 U				
Aroclor 1242	0.00721 U				
Aroclor 1248	0.00721 U				
Aroclor 1254	0.00721 U				
Aroclor 1260	0.00721 U				
Radionuclides					
Uranium	--				
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	0.0167 U				
1,2,4,5-Tetrachlorobenzene	0.0134 U				
2,3,4,6-Tetrachlorophenol	0.0792 U				
2,4,5-Trichlorophenol	0.137 U				
2,4,6-Trichlorophenol	0.0737 U				
2,4-Dichlorophenol	0.0859 U				
2,4-Dimethylphenol	0.165 U				
2,4-Dinitrophenol	0.0614 U				
2,4-Dinitrotoluene	0.0201 U				
2,6-Dichlorophenol	0.0525 U				
2,6-Dinitrotoluene	0.0167 U				
2-Chloronaphthalene	0.00893 U				
2-Chlorophenol	0.0558 U				
2-Methylnaphthalene	0.019 U				
2-Methylphenol (o-Cresol)	0.112 U				
2-Nitrophenol	0.0703 U				
3&4-Methylphenol	0.128 U				
3-Methylphenol	--				
3-Nitroaniline	0.0201 U				

Attachment C - Environmental Sampling Results For Location EV06

Chemical	Sample Results for: EV06SS0010006	Soil - mg/kg			
4,6-Dinitro-2-Methylphenol	0.0748 U				
4-Bromophenylphenylether	0.0134 U				
4-Chloro-3-Methylphenol	0.0982 U				
4-Chloroanaline	0.0257 U				
4-Methylphenol (p-Cresol)	--				
4-Nitroaniline	0.0491 U				
4-Nitrophenol	0.132 U				
Acenaphthene	0.0112 U				
Acenaphthylene	0.01 U				
Aniline	0.0223 U				
Anthracene	0.0134 U				
Atrazine	0.029 U				
Benzo(g,h,i)perylene	0.0312 U				
Bis(2-ethylhexyl)phthalate	0.117 U				
Butylbenzylphthalate	0.0335 U				
Carbazole	0.0201 U				
Di-n-butylphthalate	0.048 U				
Di-n-octylphthalate	0.0223 U				
Dibenzofuran	0.0112 U				
Diethylphthalate	0.019 U				
Dimethylphthalate	0.0145 U				
Diphenylamine	0.058 U				
Fluoranthene	0.0212 U				
Fluorene	0.0134 U				
Hexachlorobenzene	0.0123 U				
Hexachlorobutadiene	0.0112 U				
Hexachlorocyclopentadiene	0.0156 U				
Hexachloroethane	0.0123 U				
Naphthalene	0.0067 U				
Nitrobenzene	0.0167 U				
o-Toluidine	0.0201 U				
Pentachlorobenzene	0.0312 U				
Pentachloronitrobenzene	0.000446 U				
Pentachlorophenol	0.172 U				
Phenanthrene	0.0335 U				
Phenol	0.0379 U				

Attachment C - Environmental Sampling Results For Location EV06

Chemical	Sample Results for: EV06SS0010006	Soil - mg/kg			
Pyrene	0.0201 U				
Total Carcinogenic PAHS (BaP TEQs)	0.0482455 U				
Total Petroleum Hydrocarbon					
Tph (c03-c20)	--				
Tph (c08-c40)	--				
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	0.000412 U				
1,1,1-Trichloroethane	0.000549 U				
1,1,2,2-Tetrachloroethane	0.000275 U				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.000961 U				
1,1,2-Trichloroethane	0.000412 U				
1,1-Dichloroethane	0.000961 U				
1,1-Dichloroethene	0.000686 U				
1,2,3-Trichlorobenzene	0.000686 U				
1,2,3-Trichloropropane	0.000412 U				
1,2,4-Trichlorobenzene	0.000412 U				
1,2,4-Trimethylbenzene	0.000549 U				
1,2-Dibromo-3-Chloropropane	0.000549 U				
1,2-Dibromoethane	0.000137 U				
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	0.000824 U				
1,2-Dichlorobenzene	0.000137 U				
1,2-Dichloroethane	0.000275 U				
1,2-Dichloropropane	0.000412 U				
1,3,5-Trimethylbenzene	0.000275 U				
1,3-Butadiene	--				
1,3-Dichlorobenzene	0.000275 U				
1,3-Dichloropropane	0.000275 U				
1,4-Dichlorobenzene	0.000137 U				
2,2-Dichloropropane	0.000686 U				
2-Butanone (methyl ethyl ketone)	0.00398 J				
2-Chlorotoluene	0.000412 U				
2-Hexanone	0.00137 U				
4-Chlorotoluene	0.000275 U				
4-Isopropyltoluene	0.000275 U				
4-Methyl-2-Pentanone	0.000412 U				
Acetaldehyde	--				

Attachment C - Environmental Sampling Results For Location EV06

Chemical	Sample Results for: EV06SS0010006	Soil - mg/kg			
Acetone	0.103				
Acetonitrile	--				
Acetophenone	--				
Acrolein	0.007 U				
Acrylonitrile	--				
Benzene	0.000412 U				
Bis(2-Chloroethyl)ether	--				
Bis(chloromethyl)ether	--				
Bromochloromethane	0.000549 U				
Bromodichloromethane	0.000549 U				
Bromoform	0.000275 U				
Bromomethane	0.00412 U				
Carbon Disulfide	--				
Carbon Tetrachloride	0.000549 U				
Chlorobenzene	0.000275 U				
Chloroethane	0.000549 U				
Chloroform	0.000961 U				
Chloromethane	0.00124 U				
Chloroprene	--				
cis-1,2-Dichloroethene	0.000961 U				
cis-1,3-Dichloropropene	0.000137 U				
Cyclohexane	--				
Dibromochloromethane	0.000137 U				
Dibromomethane	--				
Dichlorodifluoromethane (Freon 12)	0.000412 U				
Ethylbenzene	0.000412 U				
Formaldehyde	--				
Hexane	--				
Isobutyl Alcohol	--				
Isophorone	--				
Isopropylbenzene	0.000275 U				
m,p-Xylenes	0.000824 U				
Methyl Acetate	--				
Methyl tert-Butyl Ether	0.000686 U				
Methylcyclohexane	--				
Methylene Chloride	0.00137 U				

Attachment C - Environmental Sampling Results For Location EV06

Chemical	Sample Results for: EV06SS0010006	Soil - mg/kg			
n-Butylbenzene	0.000275 U				
n-Propylbenzene	0.000412 U				
o-Xylene	0.000275 U				
Pentachloroethane	--				
sec-Butylbenzene	0.000275 U				
Styrene	0.000275 U				
tert-Butylbenzene	0.000549 U				
Tetrachloroethene	0.000824 U				
Toluene	0.00313 J				
trans-1,2-Dichloroethene	0.000824 U				
trans-1,3-Dichloropropene	0.000412 U				
Trans-1,4-Dichloro-2-Butene	--				
Trichloroethene	0.000686 U				
Trichlorofluoromethane	0.0011 U				
Vinyl Acetate	--				
Vinyl Chloride	0.000549 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 EV06

	Chemical	Soil Gas - mg/m3				
		Sample Results for: EV06SG0010018				
Alkane Hydrocarbon						
Octane	0.001253153 U					
Pentadecane	0.001071361 U					
Tridecane	0.001005251 U					
Undecane	0.001045199					
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 EV06

	Soil Gas - mg/m3				
	Sample Results for: EV06SG0010018				
Chemical					
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 EV06

	Soil Gas - mg/m3				
	Sample Results for: EV06SG0010018				
Chemical					
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 EV06

Chemical	Soil Gas - mg/m3				
	Sample Results for: EV06SG0010018				
4,6-Dinitro-2-Methylphenol	--				
4-Bromophenylphenylether	--				
4-Chloro-3-Methylphenol	--				
4-Chloroaniline	--				
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 EV06

	Chemical	Soil Gas - mg/m3				
		Sample Results for: EV06SG0010018				
Pyrene	0.002090164 U					
Total Carcinogenic PAHS (BaP TEQs)	--					
Total Petroleum Hydrocarbon						
Tph (c03-c20)	0.173359719					
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 EV06

Chemical	Soil Gas - mg/m3				
	Sample Results for: EV06SG0010018				
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 EV06

Chemical	Soil Gas - mg/m3				
	Sample Results for: EV06SG0010018				
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 Streptococcus 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 EV06

Chemical	Sample Results for: EV06TW001	Tap Water - mg/L			
Alkane Hydrocarbon					
Octane	--				
Pentadecane	--				
Tridecane	--				
Undecane	--				
Anion					
Chloride	27.1				
Cyanide	0.004 U				
Fluoride	0.227				
Nitrate (measured as NO ₃ -)	7.15				
Nitrite (measured as NO ₂ -)	0.2 U				
Phosphate	0.4 U				
Sulfate	10				
Dioxins/Furans					
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.000000000096				
Disinfectants					
Chlorine (as Cl ₂)	0.12				
Disinfection Byproducts					
Total Trihalomethanes	0.002534				
Field Parameters					
Dissolved Oxygen	8.15				
Oxidation Reduction Potential	571				
pH	6.75				
Salinity	--				
Specific Conductance	1				
Temperature	24.04				
Total Dissolved Solids	--				
Total Solids	--				
Turbidity	3				
Inorganics					
Aluminum	0.0022 U				
Antimony	0.00188				
Arsenic	0.00351				
Barium	0.0179				
Beryllium	0.0000322 U				
Cadmium (Diet)	--				
Cadmium (Water)	0.000214				

Attachment C - Environmental Sampling Results For Location EV06

Chemical	Sample Results for: EV06TW001	Tap Water - mg/L			
Chromium	0.000538				
Cobalt	0.000434				
Copper	0.229				
Iron	0.0358				
Lead	0.00895				
Manganese (Diet)	--				
Manganese (Water)	0.0215				
Mercury	0.00005				
Nickel	0.106				
Selenium	0.000358				
Silver	0.000288				
Thallium	0.00044 U				
Tin	0.000179				
Vanadium	0.0022				
Zinc	1.23				
Microorganisms					
Fecal Coliform	1 <				
Fecal Streptococcus	0				
Heterotrophic Plate Count	86				
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 EV06

	Sample Results for: EV06TW001	Tap Water - mg/L			
Chemical					
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	0.00167				
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	0.000218 U				
1,2,4,5-Tetrachlorobenzene	0.000218 U				
2,3,4,6-Tetrachlorophenol	0.000327 U				
2,4,5-Trichlorophenol	0.000544 U				
2,4,6-Trichlorophenol	0.000544 U				
2,4-Dichlorophenol	0.000762 U				
2,4-Dimethylphenol	0.00109 U				
2,4-Dinitrophenol	0.000327 U				
2,4-Dinitrotoluene	0.00109 U				
2,6-Dichlorophenol	0.000871 U				
2,6-Dinitrotoluene	0.000109 U				
2-Chloronaphthalene	0.000218 U				
2-Chlorophenol	0.00098 U				
2-Methylnaphthalene	0.000218 U				
2-Methylphenol (o-Cresol)	0.000762 U				
2-Nitrophenol	0.00098 U				
3&4-Methylphenol	0.00131 U				
3-Methylphenol	--				
3-Nitroaniline	0.00109 U				

Attachment C - Environmental Sampling Results For Location EV06

Chemical	Sample Results for: EV06TW001	Tap Water - mg/L			
4,6-Dinitro-2-Methylphenol	0.000218 U				
4-Bromophenylphenylether	0.000109 U				
4-Chloro-3-Methylphenol	0.000653 U				
4-Chloroanalanine	0.00109 U				
4-Methylphenol (p-Cresol)	--				
4-Nitroaniline	0.00109 U				
4-Nitrophenol	0.000327 U				
Acenaphthene	0.000109 U				
Acenaphthylene	0.000109 U				
Aniline	0.00109 U				
Anthracene	0.000109 U				
Atrazine	0.000109 U				
Benzo(g,h,i)perylene	0.000109 U				
Bis(2-ethylhexyl)phthalate	0.00152 U				
Butylbenzylphthalate	0.000109 U				
Carbazole	0.000109 U				
Di-n-butylphthalate	0.00142 U				
Di-n-octylphthalate	0.000218 U				
Dibenzofuran	0.000109 U				
Diethylphthalate	0.000218 U				
Dimethylphthalate	0.000109 U				
Diphenylamine	0.000109 U				
Fluoranthene	0.000109 U				
Fluorene	0.000109 U				
Hexachlorobenzene	0.000109 U				
Hexachlorobutadiene	0.000218 U				
Hexachlorocyclopentadiene	0.00109 U				
Hexachloroethane	0.000109 U				
Naphthalene	0.000218 U				
Nitrobenzene	0.000218 U				
o-Toluidine	0.000762 U				
Pentachlorobenzene	0.000218 U				
Pentachloronitrobenzene	0.000003 U				
Pentachlorophenol	0.000327 U				
Phenanthrene	0.000109 U				
Phenol	0.00109 U				

Attachment C - Environmental Sampling Results For Location EV06

	Chemical	Tap Water - mg/L				
		Sample Results for: EV06TW001				
Pyrene		0.000109 U				
Total Carcinogenic PAHS (BaP TEQs)		0.0001308 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 EV06

Chemical	Tap Water - mg/L				
	Sample Results for: EV06TW001				
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	0.00012 U				
Bromoform	0.00232				
Bromomethane	0.00037 U				
Carbon Disulfide	--				
Carbon Tetrachloride	0.00008 U				
Chlorobenzene	0.00012 U				
Chloroethane	0.00018 U				
Chloroform	0.00009 U				
Chloromethane	0.00021 U				
Chloroprene	--				
cis-1,2-Dichloroethene	0.00013 U				
cis-1,3-Dichloropropene	0.00015 U				
Cyclohexane	--				
Dibromochloromethane	0.000214 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 EV06

Chemical	Sample Results for: EV06TW001	Tap Water - mg/L			
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 Streptococcus 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 EV07

Chemical	Soil - mg/kg				
	Sample Results for: EV07SS0010006				
Alkane Hydrocarbon					
Octane	--				
Pentadecane	--				
Tridecane	--				
Undecane	--				
Anion					
Chloride	--				
Cyanide	0.164 U				
Fluoride	--				
Nitrate (measured as NO ₃ -)	--				
Nitrite (measured as NO ₂ -)	--				
Phosphate	--				
Sulfate	--				
Dioxins/Furans					
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.00000008509				
Disinfectants					
Chlorine (as Cl ₂)	--				
Disinfection Byproducts					
Total Trihalomethanes	--				
Field Parameters					
Dissolved Oxygen	--				
Oxidation Reduction Potential	--				
pH	--				
Salinity	--				
Specific Conductance	--				
Temperature	--				
Total Dissolved Solids	--				
Total Solids	75.09999999999999				
Turbidity	--				
Inorganics					
Aluminum	40500				
Antimony	0.439				
Arsenic	16.6				
Barium	292				
Beryllium	5.79				
Cadmium (Diet)	0.139				
Cadmium (Water)	--				

Attachment C - Environmental Sampling Results For Location EV07

Chemical	Sample Results for: EV07SS0010006	Soil - mg/kg			
Chromium	3.57				
Cobalt	4.98				
Copper	18.3				
Iron	18000				
Lead	35.1				
Manganese (Diet)	542				
Manganese (Water)	--				
Mercury	0.1 U				
Nickel	4.73				
Selenium	0.116				
Silver	0.128				
Thallium	1.61 U				
Tin	2.41				
Vanadium	39.8				
Zinc	52				
Microorganisms					
Fecal Coliform	--				
Fecal Streptococcus	--				
Heterotrophic Plate Count	--				
Total Coliforms (including Fecal Coliform and E. Coli)	--				
Pesticides					
4,4-DDD	0.000463 U				
4,4-DDE	0.000455 U				
4,4-DDT	0.000609 U				
Aldrin	0.000369 U				
alpha-BHC	0.000455 U				
alpha-Chlordane	0.000369 U				
beta-BHC	0.000557 U				
Chlordane	--				
delta-BHC	0.000506 U				
Dieldrin	0.000515 U				
Endosulfan I	0.000463 U				
Endosulfan II	0.000369 U				
Endosulfan Sulfate	0.000523 U				
Endrin	0.000592 U				
Endrin Aldehyde	0.000532 U				

Attachment C - Environmental Sampling Results For Location EV07

Chemical	Sample Results for: EV07SS0010006	Soil - mg/kg			
gamma-BHC (Lindane)	0.000437 U				
gamma-Chlordane	0.000403 U				
Heptachlor	0.000523 U				
Heptachlor Epoxide	0.000403 U				
Methoxychlor	0.000652 U				
Toxaphene	0.00685 U				
Polychlorinated bi-phenyls					
Aroclor 1016	0.00804 U				
Aroclor 1016/1260	--				
Aroclor 1221	0.00804 U				
Aroclor 1232	0.00804 U				
Aroclor 1242	0.00804 U				
Aroclor 1248	0.00804 U				
Aroclor 1254	0.00804 U				
Aroclor 1260	0.00804 U				
Radionuclides					
Uranium	--				
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	0.0198 U				
1,2,4,5-Tetrachlorobenzene	0.0159 U				
2,3,4,6-Tetrachlorophenol	0.0938 U				
2,4,5-Trichlorophenol	0.163 U				
2,4,6-Trichlorophenol	0.0872 U				
2,4-Dichlorophenol	0.102 U				
2,4-Dimethylphenol	0.196 U				
2,4-Dinitrophenol	0.0727 U				
2,4-Dinitrotoluene	0.0238 U				
2,6-Dichlorophenol	0.0621 U				
2,6-Dinitrotoluene	0.0198 U				
2-Chloronaphthalene	0.0106 U				
2-Chlorophenol	0.0661 U				
2-Methylnaphthalene	0.0225 U				
2-Methylphenol (o-Cresol)	0.132 U				
2-Nitrophenol	0.0833 U				
3&4-Methylphenol	0.152 U				
3-Methylphenol	--				
3-Nitroaniline	0.0238 U				

Attachment C - Environmental Sampling Results For Location EV07

Chemical	Sample Results for: EV07SS0010006	Soil - mg/kg			
4,6-Dinitro-2-Methylphenol	0.0885 U				
4-Bromophenylphenylether	0.0159 U				
4-Chloro-3-Methylphenol	0.116 U				
4-Chloroaniline	0.0304 U				
4-Methylphenol (p-Cresol)	--				
4-Nitroaniline	0.0581 U				
4-Nitrophenol	0.156 U				
Acenaphthene	0.0132 U				
Acenaphthylene	0.0119 U				
Aniline	0.0264 U				
Anthracene	0.0159 U				
Atrazine	0.0344 U				
Benzo(g,h,i)perylene	0.037 U				
Bis(2-ethylhexyl)phthalate	0.139 U				
Butylbenzylphthalate	0.0396 U				
Carbazole	0.0238 U				
Di-n-butylphthalate	0.0568 U				
Di-n-octylphthalate	0.0264 U				
Dibenzofuran	0.0132 U				
Diethylphthalate	0.0225 U				
Dimethylphthalate	0.0172 U				
Diphenylamine	0.0687 U				
Fluoranthene	0.0251 U				
Fluorene	0.0159 U				
Hexachlorobenzene	0.0145 U				
Hexachlorobutadiene	0.0132 U				
Hexachlorocyclopentadiene	0.0185 U				
Hexachloroethane	0.0145 U				
Naphthalene	0.00793 U				
Nitrobenzene	0.0198 U				
o-Toluidine	0.0238 U				
Pentachlorobenzene	0.037 U				
Pentachloronitrobenzene	0.000429 U				
Pentachlorophenol	0.204 U				
Phenanthrene	0.0396 U				
Phenol	0.0449 U				

Attachment C - Environmental Sampling Results For Location EV07

Chemical	Sample Results for: EV07SS0010006	Soil - mg/kg			
Pyrene	0.0238 U				
Total Carcinogenic PAHS (BaP TEQs)	0.0571152 U				
Total Petroleum Hydrocarbon					
Tph (c03-c20)	--				
Tph (c08-c40)	--				
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	0.000381 U				
1,1,1-Trichloroethane	0.000508 U				
1,1,2,2-Tetrachloroethane	0.000254 U				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.00337 J				
1,1,2-Trichloroethane	0.000381 U				
1,1-Dichloroethane	0.00089 U				
1,1-Dichloroethene	0.000635 U				
1,2,3-Trichlorobenzene	0.000635 U				
1,2,3-Trichloropropane	0.000381 U				
1,2,4-Trichlorobenzene	0.000381 U				
1,2,4-Trimethylbenzene	0.000508 U				
1,2-Dibromo-3-Chloropropane	0.000508 U				
1,2-Dibromoethane	0.000127 U				
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	0.000763 U				
1,2-Dichlorobenzene	0.000127 U				
1,2-Dichloroethane	0.000254 U				
1,2-Dichloropropane	0.000381 U				
1,3,5-Trimethylbenzene	0.000254 U				
1,3-Butadiene	--				
1,3-Dichlorobenzene	0.000254 U				
1,3-Dichloropropane	0.000254 U				
1,4-Dichlorobenzene	0.000127 U				
2,2-Dichloropropane	0.000635 U				
2-Butanone (methyl ethyl ketone)	0.00229 U				
2-Chlorotoluene	0.000381 U				
2-Hexanone	0.00127 U				
4-Chlorotoluene	0.000254 U				
4-Isopropyltoluene	0.000254 U				
4-Methyl-2-Pentanone	0.000381 U				
Acetaldehyde	--				

Attachment C - Environmental Sampling Results For Location EV07

Chemical	Sample Results for: EV07SS0010006	Soil - mg/kg			
Acetone	0.00737 U				
Acetonitrile	--				
Acetophenone	--				
Acrolein	0.00648 U				
Acrylonitrile	--				
Benzene	0.000381 U				
Bis(2-Chloroethyl)ether	--				
Bis(chloromethyl)ether	--				
Bromochloromethane	0.000508 U				
Bromodichloromethane	0.000508 U				
Bromoform	0.000254 U				
Bromomethane	0.00381 U				
Carbon Disulfide	--				
Carbon Tetrachloride	0.000508 U				
Chlorobenzene	0.000254 U				
Chloroethane	0.000508 U				
Chloroform	0.00089 U				
Chloromethane	0.00114 U				
Chloroprene	--				
cis-1,2-Dichloroethene	0.00089 U				
cis-1,3-Dichloropropene	0.000127 U				
Cyclohexane	--				
Dibromochloromethane	0.000127 U				
Dibromomethane	--				
Dichlorodifluoromethane (Freon 12)	0.000381 U				
Ethylbenzene	0.000381 U				
Formaldehyde	--				
Hexane	--				
Isobutyl Alcohol	--				
Isophorone	--				
Isopropylbenzene	0.000254 U				
m,p-Xylenes	0.000763 U				
Methyl Acetate	--				
Methyl tert-Butyl Ether	0.000635 U				
Methylcyclohexane	--				
Methylene Chloride	0.00127 U				

Attachment C - Environmental Sampling Results For Location EV07

Chemical	Sample Results for: EV07SS0010006	Soil - mg/kg			
n-Butylbenzene	0.000254 U				
n-Propylbenzene	0.000381 U				
o-Xylene	0.000254 U				
Pentachloroethane	--				
sec-Butylbenzene	0.000254 U				
Styrene	0.000254 U				
tert-Butylbenzene	0.000508 U				
Tetrachloroethene	0.000763 U				
Toluene	0.000635 U				
trans-1,2-Dichloroethene	0.000763 U				
trans-1,3-Dichloropropene	0.000381 U				
Trans-1,4-Dichloro-2-Butene	--				
Trichloroethene	0.000635 U				
Trichlorofluoromethane	0.00102 U				
Vinyl Acetate	--				
Vinyl Chloride	0.000508 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 EV07

	Chemical	Soil Gas - mg/m3				
		Sample Results for: EV07SG0010018				
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 EV07

	Soil Gas - mg/m3				
	Sample Results for: EV07SG0010018				
Chemical					
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 EV07

	Soil Gas - mg/m3				
	Sample Results for: EV07SG0010018				
Chemical					
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 EV07

Chemical	Soil Gas - mg/m3				
	Sample Results for: EV07SG0010018				
4,6-Dinitro-2-Methylphenol	--				
4-Bromophenylphenylether	--				
4-Chloro-3-Methylphenol	--				
4-Chloroaniline	--				
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 EV07

	Chemical	Soil Gas - mg/m3				
		Sample Results for: EV07SG0010018				
Pyrene	0.002090164 U					
Total Carcinogenic PAHS (BaP TEQs)	--					
Total Petroleum Hydrocarbon						
Tph (c03-c20)	0.017241631					
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 EV07

Chemical	Soil Gas - mg/m3				
	Sample Results for: EV07SG0010018				
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 EV07

Chemical	Soil Gas - mg/m3				
	Sample Results for: EV07SG0010018				
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 Streptococcus 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 EV07

Chemical	Sample Results for: EV07TW001	Tap Water - mg/L			
Alkane Hydrocarbon					
Octane	--				
Pentadecane	--				
Tridecane	--				
Undecane	--				
Anion					
Chloride	30.9				
Cyanide	0.004 U				
Fluoride	0.288				
Nitrate (measured as NO ₃ -)	8.17				
Nitrite (measured as NO ₂ -)	0.2 U				
Phosphate	0.4 U				
Sulfate	11.5				
Dioxins/Furans					
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.0000000192243 U				
Disinfectants					
Chlorine (as Cl ₂)	0.12				
Disinfection Byproducts					
Total Trihalomethanes	0.001986				
Field Parameters					
Dissolved Oxygen	8.779999999999999				
Oxidation Reduction Potential	551				
pH	7.13				
Salinity	--				
Specific Conductance	1				
Temperature	22.86				
Total Dissolved Solids	--				
Total Solids	--				
Turbidity	1				
Inorganics					
Aluminum	0.0022 U				
Antimony	0.00283				
Arsenic	0.0036				
Barium	0.022				
Beryllium	0.00003 U				
Cadmium (Diet)	--				
Cadmium (Water)	0.00105				

Attachment C - Environmental Sampling Results For Location EV07

Chemical	Sample Results for: EV07TW001	Tap Water - mg/L			
Chromium	0.000492				
Cobalt	0.000494				
Copper	0.17				
Iron	0.0143				
Lead	0.01				
Manganese (Diet)	--				
Manganese (Water)	0.0197				
Mercury	0.000084				
Nickel	0.851				
Selenium	0.0002 U				
Silver	0.000617				
Thallium	0.000592 U				
Tin	0.000145				
Vanadium	0.00216				
Zinc	2.77				
Microorganisms					
Fecal Coliform	1 <				
Fecal Streptococcus	0				
Heterotrophic Plate Count	142				
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 EV07

	Sample Results for: EV07TW001	Tap Water - mg/L			
Chemical					
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	0.00128				
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	0.000208 U				
1,2,4,5-Tetrachlorobenzene	0.000208 U				
2,3,4,6-Tetrachlorophenol	0.000312 U				
2,4,5-Trichlorophenol	0.00052 U				
2,4,6-Trichlorophenol	0.00052 U				
2,4-Dichlorophenol	0.000728 U				
2,4-Dimethylphenol	0.00104 U				
2,4-Dinitrophenol	0.000312 U				
2,4-Dinitrotoluene	0.00104 U				
2,6-Dichlorophenol	0.000831 U				
2,6-Dinitrotoluene	0.000104 U				
2-Chloronaphthalene	0.000208 U				
2-Chlorophenol	0.000935 U				
2-Methylnaphthalene	0.000208 U				
2-Methylphenol (o-Cresol)	0.000728 U				
2-Nitrophenol	0.000935 U				
3&4-Methylphenol	0.00125 U				
3-Methylphenol	--				
3-Nitroaniline	0.00104 U				

Attachment C - Environmental Sampling Results For Location EV07

Chemical	Sample Results for: EV07TW001	Tap Water - mg/L			
4,6-Dinitro-2-Methylphenol	0.000208 U				
4-Bromophenylphenylether	0.000104 U				
4-Chloro-3-Methylphenol	0.000624 U				
4-Chloroanalanine	0.00104 U				
4-Methylphenol (p-Cresol)	--				
4-Nitroaniline	0.00104 U				
4-Nitrophenol	0.000312 U				
Acenaphthene	0.000104 U				
Acenaphthylene	0.000104 U				
Aniline	0.00104 U				
Anthracene	0.000104 U				
Atrazine	0.000104 U				
Benzo(g,h,i)perylene	0.000104 U				
Bis(2-ethylhexyl)phthalate	0.00146 U				
Butylbenzylphthalate	0.000104 U				
Carbazole	0.000104 U				
Di-n-butylphthalate	0.00135 U				
Di-n-octylphthalate	0.000208 U				
Dibenzofuran	0.000104 U				
Diethylphthalate	0.000208 U				
Dimethylphthalate	0.000104 U				
Diphenylamine	0.000104 U				
Fluoranthene	0.000104 U				
Fluorene	0.000104 U				
Hexachlorobenzene	0.000104 U				
Hexachlorobutadiene	0.000208 U				
Hexachlorocyclopentadiene	0.00104 U				
Hexachloroethane	0.000104 U				
Naphthalene	0.000208 U				
Nitrobenzene	0.000208 U				
o-Toluidine	0.000728 U				
Pentachlorobenzene	0.000208 U				
Pentachloronitrobenzene	0.000003 U				
Pentachlorophenol	0.000312 U				
Phenanthrene	0.000104 U				
Phenol	0.00104 U				

Attachment C - Environmental Sampling Results For Location EV07

Chemical	Sample Results for: EV07TW001	Tap Water - mg/L			
Pyrene	0.000104 U				
Total Carcinogenic PAHS (BaP TEQs)	0.0001248 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 EV07

Chemical	Sample Results for: EV07TW001	Tap Water - mg/L			
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	0.00012 U				
Bromoform	0.00174				
Bromomethane	0.00037 U				
Carbon Disulfide	--				
Carbon Tetrachloride	0.00008 U				
Chlorobenzene	0.00012 U				
Chloroethane	0.00018 U				
Chloroform	0.00009 U				
Chloromethane	0.00021 U				
Chloroprene	--				
cis-1,2-Dichloroethene	0.00013 U				
cis-1,3-Dichloropropene	0.00015 U				
Cyclohexane	--				
Dibromochloromethane	0.000246 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 EV07

Chemical	Sample Results for: EV07TW001	Tap Water - mg/L			
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 Streptococcus 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 EV08

Chemical	Sample Results for: EV08SS0010006	Soil - mg/kg			
Alkane Hydrocarbon					
Octane	--				
Pentadecane	--				
Tridecane	--				
Undecane	--				
Anion					
Chloride	--				
Cyanide	0.136 U				
Fluoride	--				
Nitrate (measured as NO ₃ -)	--				
Nitrite (measured as NO ₂ -)	--				
Phosphate	--				
Sulfate	--				
Dioxins/Furans					
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.00000023383				
Disinfectants					
Chlorine (as Cl ₂)	--				
Disinfection Byproducts					
Total Trihalomethanes	--				
Field Parameters					
Dissolved Oxygen	--				
Oxidation Reduction Potential	--				
pH	--				
Salinity	--				
Specific Conductance	--				
Temperature	--				
Total Dissolved Solids	--				
Total Solids	88.3				
Turbidity	--				
Inorganics					
Aluminum	48300				
Antimony	0.522				
Arsenic	14.7				
Barium	354				
Beryllium	6				
Cadmium (Diet)	0.335				
Cadmium (Water)	--				

Attachment C - Environmental Sampling Results For Location EV08

Chemical	Sample Results for: EV08SS0010006	Soil - mg/kg			
Chromium	5.8				
Cobalt	6.22				
Copper	32.7				
Iron	22800				
Lead	40.2				
Manganese (Diet)	680				
Manganese (Water)	--				
Mercury	0.105 U				
Nickel	6.26				
Selenium	0.105				
Silver	0.197				
Thallium	1.67				
Tin	2.84				
Vanadium	49.5				
Zinc	61.1				
Microorganisms					
Fecal Coliform	--				
Fecal Streptococcus	--				
Heterotrophic Plate Count	--				
Total Coliforms (including Fecal Coliform and E. Coli)	--				
Pesticides					
4,4-DDD	0.000462 U				
4,4-DDE	0.000454 U				
4,4-DDT	0.000608 U				
Aldrin	0.000368 U				
alpha-BHC	0.000454 U				
alpha-Chlordane	0.000368 U				
beta-BHC	0.000557 U				
Chlordane	--				
delta-BHC	0.000505 U				
Dieldrin	0.000514 U				
Endosulfan I	0.000462 U				
Endosulfan II	0.000368 U				
Endosulfan Sulfate	0.000522 U				
Endrin	0.000591 UJ				
Endrin Aldehyde	0.000531 U				

Attachment C - Environmental Sampling Results For Location EV08

Chemical	Sample Results for: EV08SS0010006	Soil - mg/kg			
gamma-BHC (Lindane)	0.000437 U				
gamma-Chlordane	0.000402 U				
Heptachlor	0.000522 U				
Heptachlor Epoxide	0.000402 U				
Methoxychlor	0.000651 U				
Toxaphene	0.00582 U				
Polychlorinated bi-phenyls					
Aroclor 1016	0.00679 UJ				
Aroclor 1016/1260	--				
Aroclor 1221	0.00679 UJ				
Aroclor 1232	0.00679 UJ				
Aroclor 1242	0.00679 UJ				
Aroclor 1248	0.00679 UJ				
Aroclor 1254	0.00679 UJ				
Aroclor 1260	0.00679 UJ				
Radionuclides					
Uranium	--				
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	0.0149 U				
1,2,4,5-Tetrachlorobenzene	0.0119 U				
2,3,4,6-Tetrachlorophenol	0.0705 U				
2,4,5-Trichlorophenol	0.122 U				
2,4,6-Trichlorophenol	0.0656 U				
2,4-Dichlorophenol	0.0765 U				
2,4-Dimethylphenol	0.147 U				
2,4-Dinitrophenol	0.0546 UJ				
2,4-Dinitrotoluene	0.0179 U				
2,6-Dichlorophenol	0.0467 U				
2,6-Dinitrotoluene	0.0149 U				
2-Chloronaphthalene	0.00795 U				
2-Chlorophenol	0.0497 U				
2-Methylnaphthalene	0.0169 U				
2-Methylphenol (o-Cresol)	0.0994 U				
2-Nitrophenol	0.0626 U				
3&4-Methylphenol	0.114 U				
3-Methylphenol	--				
3-Nitroaniline	0.0179 U				

Attachment C - Environmental Sampling Results For Location EV08

Chemical	Sample Results for: EV08SS0010006	Soil - mg/kg			
4,6-Dinitro-2-Methylphenol	0.0666 U				
4-Bromophenylphenylether	0.0119 U				
4-Chloro-3-Methylphenol	0.0874 U				
4-Chloroaniline	0.0229 U				
4-Methylphenol (p-Cresol)	--				
4-Nitroaniline	0.0437 U				
4-Nitrophenol	0.117 U				
Acenaphthene	0.00994 U				
Acenaphthylene	0.00894 U				
Aniline	0.0199 U				
Anthracene	0.0119 U				
Atrazine	0.0258 U				
Benzo(g,h,i)perylene	0.0278 U				
Bis(2-ethylhexyl)phthalate	0.104 U				
Butylbenzylphthalate	0.0298 U				
Carbazole	0.0179 U				
Di-n-butylphthalate	0.0427 U				
Di-n-octylphthalate	0.0199 U				
Dibenzofuran	0.00994 U				
Diethylphthalate	0.0169 U				
Dimethylphthalate	0.0129 U				
Diphenylamine	0.0517 U				
Fluoranthene	0.0189 U				
Fluorene	0.0119 U				
Hexachlorobenzene	0.0109 U				
Hexachlorobutadiene	0.00994 U				
Hexachlorocyclopentadiene	0.0139 U				
Hexachloroethane	0.0109 U				
Naphthalene	0.00596 U				
Nitrobenzene	0.0149 U				
o-Toluidine	0.0179 U				
Pentachlorobenzene	0.0278 U				
Pentachloronitrobenzene	0.000428 U				
Pentachlorophenol	0.153 U				
Phenanthrene	0.0298 U				
Phenol	0.0338 U				

Attachment C - Environmental Sampling Results For Location EV08

Chemical	Sample Results for: EV08SS0010006	Soil - mg/kg			
Pyrene	0.0179 U				
Total Carcinogenic PAHS (BaP TEQs)	0.0429419 U				
Total Petroleum Hydrocarbon					
Tph (c03-c20)	--				
Tph (c08-c40)	--				
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	0.000451 U				
1,1,1-Trichloroethane	0.000601 U				
1,1,2,2-Tetrachloroethane	0.0003 U				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.00105 U				
1,1,2-Trichloroethane	0.000451 U				
1,1-Dichloroethane	0.00105 U				
1,1-Dichloroethene	0.000751 U				
1,2,3-Trichlorobenzene	0.000751 U				
1,2,3-Trichloropropane	--				
1,2,4-Trichlorobenzene	0.000451 U				
1,2,4-Trimethylbenzene	0.00195 J				
1,2-Dibromo-3-Chloropropane	0.000601 U				
1,2-Dibromoethane	0.00015 U				
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	0.000902 U				
1,2-Dichlorobenzene	0.00015 U				
1,2-Dichloroethane	0.0018 J				
1,2-Dichloropropane	0.000451 U				
1,3,5-Trimethylbenzene	0.00248 J				
1,3-Butadiene	--				
1,3-Dichlorobenzene	0.0017 J				
1,3-Dichloropropane	0.0019 J				
1,4-Dichlorobenzene	0.00187 J				
2,2-Dichloropropane	0.000751 U				
2-Butanone (methyl ethyl ketone)	0.0027 U				
2-Chlorotoluene	0.000451 U				
2-Hexanone	0.0015 U				
4-Chlorotoluene	0.0003 U				
4-Isopropyltoluene	0.00179 J				
4-Methyl-2-Pentanone	0.000451 U				
Acetaldehyde	--				

Attachment C - Environmental Sampling Results For Location EV08

Chemical	Sample Results for: EV08SS0010006	Soil - mg/kg			
Acetone	0.0177 J				
Acetonitrile	--				
Acetophenone	--				
Acrolein	--				
Acrylonitrile	--				
Benzene	0.000451 U				
Bis(2-Chloroethyl)ether	--				
Bis(chloromethyl)ether	--				
Bromochloromethane	0.000601 U				
Bromodichloromethane	0.000601 U				
Bromoform	0.0003 U				
Bromomethane	0.00451 U				
Carbon Disulfide	--				
Carbon Tetrachloride	0.000601 U				
Chlorobenzene	0.00124 J				
Chloroethane	0.000601 U				
Chloroform	0.00105 U				
Chloromethane	0.00135 U				
Chloroprene	--				
cis-1,2-Dichloroethene	0.00105 U				
cis-1,3-Dichloropropene	0.00015 U				
Cyclohexane	--				
Dibromochloromethane	0.00015 U				
Dibromomethane	--				
Dichlorodifluoromethane (Freon 12)	0.000451 U				
Ethylbenzene	0.00348 J				
Formaldehyde	--				
Hexane	--				
Isobutyl Alcohol	--				
Isophorone	--				
Isopropylbenzene	0.0033 J				
m,p-Xylenes	0.0057 J				
Methyl Acetate	--				
Methyl tert-Butyl Ether	0.000751 U				
Methylcyclohexane	--				
Methylene Chloride	0.0015 U				

Attachment C - Environmental Sampling Results For Location EV08

Chemical	Sample Results for: EV08SS0010006	Soil - mg/kg			
n-Butylbenzene	0.0016 J				
n-Propylbenzene	0.00244 J				
o-Xylene	0.00247 J				
Pentachloroethane	--				
sec-Butylbenzene	0.00209 J				
Styrene	0.00307 J				
tert-Butylbenzene	0.00238 J				
Tetrachloroethene	0.000902 U				
Toluene	0.009 J				
trans-1,2-Dichloroethene	0.000902 U				
trans-1,3-Dichloropropene	0.000451 U				
Trans-1,4-Dichloro-2-Butene	--				
Trichloroethene	0.000751 U				
Trichlorofluoromethane	0.0012 U				
Vinyl Acetate	--				
Vinyl Chloride	0.000601 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 EV08

	Soil Gas - mg/m3				
	Sample Results for: EV08SG0010018				
Chemical					
Alkane Hydrocarbon					
Octane	0.001253153 U				
Pentadecane	0.009494737				
Tridecane	0.010528647				
Undecane	0.004056842				
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 EV08

	Soil Gas - mg/m3				
	Sample Results for: EV08SG0010018				
Chemical					
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 EV08

	Soil Gas - mg/m3				
	Sample Results for: EV08SG0010018				
Chemical					
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 EV08

Chemical	Soil Gas - mg/m3				
	Sample Results for: EV08SG0010018				
4,6-Dinitro-2-Methylphenol	--				
4-Bromophenylphenylether	--				
4-Chloro-3-Methylphenol	--				
4-Chloroaniline	--				
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 EV08

	Chemical	Soil Gas - mg/m3				
		Sample Results for: EV08SG0010018				
Pyrene	0.002090164 U					
Total Carcinogenic PAHS (BaP TEQs)	--					
Total Petroleum Hydrocarbon						
Tph (c03-c20)	0.728533036					
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 EV08

Chemical	Soil Gas - mg/m3				
	Sample Results for: EV08SG0010018				
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	0.002648698				
Methyl Acetate	--				
Methyl tert-Butyl Ether	0.001078881 U				
Methylcyclohexane	--				

Attachment C - Environmental Sampling Results For Location EV08

Chemical	Soil Gas - mg/m3				
	Sample Results for: EV08SG0010018				
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 Streptococcus 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 EV08

	Tap Water - mg/L				
	Sample Results for: EV08TW001	Sample Results for: EV08TW001-D			
Chemical					
Alkane Hydrocarbon					
Octane	--	--			
Pentadecane	--	--			
Tridecane	--	--			
Undecane	--	--			
Anion					
Chloride	31.6	32.4			
Cyanide	0.004 U	0.004 U			
Fluoride	0.274	0.281			
Nitrate (measured as NO3-)	7.95	8.050000000000001			
Nitrite (measured as NO2-)	0.2 U	0.2 U			
Phosphate	0.4 U	0.4 U			
Sulfate	10.4	10.2			
Dioxins/Furans					
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.00000000045281	0.0000000001036			
Disinfectants					
Chlorine (as Cl2)	0.1	--			
Disinfection Byproducts					
Total Trihalomethanes	0.002012	0.00266			
Field Parameters					
Dissolved Oxygen	8.15	--			
Oxidation Reduction Potential	596	--			
pH	7.1	--			
Salinity	--	--			
Specific Conductance	1	--			
Temperature	23.44	--			
Total Dissolved Solids	--	--			
Total Solids	--	--			
Turbidity	1	--			
Inorganics					
Aluminum	0.0022 U	0.0022 U			
Antimony	0.00014 U	0.00014 U			
Arsenic	0.00374	0.00399			
Barium	0.0155	0.0166			
Beryllium	0.00003 U	0.000033 U			
Cadmium (Diet)	--	--			
Cadmium (Water)	0.00004 U	0.00004 U			

Attachment C - Environmental Sampling Results For Location EV08

	Tap Water - mg/L				
	Sample Results for: EV08TW001	Sample Results for: EV08TW001-D			
Chemical					
Chromium	0.000962	0.000883			
Cobalt	0.000107	0.0000881			
Copper	0.0477 J	0.0143 J			
Iron	0.0047 U	0.00912			
Lead	0.00143	0.000418			
Manganese (Diet)	--	--			
Manganese (Water)	0.000297	0.0001 U			
Mercury	0.000015 U	0.000015 U			
Nickel	0.00175	0.000989			
Selenium	0.000329	0.000363			
Silver	0.00012 U	0.00012 U			
Thallium	0.000078 U	0.000018 U			
Tin	0.0001 U	0.0001 U			
Vanadium	0.00254	0.00303			
Zinc	0.204	0.0588			
Microorganisms					
Fecal Coliform	1 <	1 <			
Fecal Streptococcus	0	0			
Heterotrophic Plate Count	2	1			
Total Coliforms (including Fecal Coliform and E. Coli)	1 <	1 <			
Pesticides					
4,4-DDD	0.000003 U	0.000003 U			
4,4-DDE	0.000002 UJ	0.000002 UJ			
4,4-DDT	0.000006 U	0.000006 U			
Aldrin	0.000002 UJ	0.000002 UJ			
alpha-BHC	0.000003 UJ	0.000003 UJ			
alpha-Chlordane	0.000003 UJ	0.000003 UJ			
beta-BHC	0.000002 UJ	0.000002 UJ			
Chlordane	--	--			
delta-BHC	0.000001 U	0.000001 U			
Dieldrin	0.000003 UJ	0.000003 UJ			
Endosulfan I	0.000003 UJ	0.000003 UJ			
Endosulfan II	0.000002 UJ	0.000002 UJ			
Endosulfan Sulfate	0.000007 UJ	0.000007 UJ			
Endrin	0.000002 UJ	0.000002 UJ			
Endrin Aldehyde	0.000002 UJ	0.000002 UJ			

Attachment C - Environmental Sampling Results For Location EV08

	Tap Water - mg/L				
	Sample Results for: EV08TW001	Sample Results for: EV08TW001-D			
Chemical					
gamma-BHC (Lindane)	0.000001 U	0.000001 U			
gamma-Chlordane	0.000002 UJ	0.000002 UJ			
Heptachlor	0.000004 UJ	0.000004 UJ			
Heptachlor Epoxide	0.000004 UJ	0.000004 UJ			
Methoxychlor	0.000003 UJ	0.000003 UJ			
Toxaphene	0.00001 U	0.00001 U			
Polychlorinated bi-phenyls					
Aroclor 1016	0.00002 UJ	0.00002 UJ			
Aroclor 1016/1260	--	--			
Aroclor 1221	0.00002 UJ	0.00002 UJ			
Aroclor 1232	0.00002 UJ	0.00002 UJ			
Aroclor 1242	0.00002 UJ	0.00002 UJ			
Aroclor 1248	0.00002 UJ	0.00002 UJ			
Aroclor 1254	0.00002 UJ	0.00002 UJ			
Aroclor 1260	0.00002 UJ	0.00002 UJ			
Radionuclides					
Uranium	0.00149	0.00138			
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	0.000206 UJ	0.000241 UJ			
1,2,4,5-Tetrachlorobenzene	0.000206 U	0.000241 U			
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	--	-- U			
2,6-Dichlorophenol	--	--			
2,6-Dinitrotoluene	0.000103 U	0.00012 U			
2-Chloronaphthalene	0.000206 U	0.000241 U			
2-Chlorophenol	--	--			
2-Methylnaphthalene	0.000206 U	0.000241 U			
2-Methylphenol (o-Cresol)	--	--			
2-Nitrophenol	--	--			
3&4-Methylphenol	--	--			
3-Methylphenol	--	--			
3-Nitroaniline	0.00103 U	0.0012 U			

Attachment C - Environmental Sampling Results For Location EV08

	Tap Water - mg/L			
	Sample Results for: EV08TW001	Sample Results for: EV08TW001-D		
Chemical				
4,6-Dinitro-2-Methylphenol	--	--		
4-Bromophenylphenylether	0.000103 U	0.00012 U		
4-Chloro-3-Methylphenol	--	--		
4-Chloroaniline	0.00103 U	0.0012 U		
4-Methylphenol (p-Cresol)	--	--		
4-Nitroaniline	0.00103 U	0.0012 U		
4-Nitrophenol	--	--		
Acenaphthene	0.000103 U	0.00012 U		
Acenaphthylene	0.000103 U	0.00012 U		
Aniline	0.00103 U	0.0012 U		
Anthracene	0.000103 U	0.00012 U		
Atrazine	0.000103 U	0.00012 U		
Benzo(g,h,i)perylene	0.000103 U	0.00012 U		
Bis(2-ethylhexyl)phthalate	0.00144 U	0.00168 U		
Butylbenzylphthalate	0.000103 U	0.00012 U		
Carbazole	0.000103 U	0.00012 U		
Di-n-butylphthalate	0.00134 U	0.00156 U		
Di-n-octylphthalate	0.000206 UJ	0.000241 UJ		
Dibenzofuran	0.000103 U	0.00012 U		
Diethylphthalate	0.000206 U	0.000241 U		
Dimethylphthalate	0.000103 U	0.00012 U		
Diphenylamine	0.000103 U	0.00012 U		
Fluoranthene	0.000103 U	0.00012 U		
Fluorene	0.000103 U	0.00012 U		
Hexachlorobenzene	0.000103 U	0.00012 U		
Hexachlorobutadiene	0.000206 U	0.000241 U		
Hexachlorocyclopentadiene	0.00103 U	0.0012 U		
Hexachloroethane	0.000103 U	0.00012 U		
Naphthalene	0.000206 U	0.000241 U		
Nitrobenzene	0.000206 U	0.000241 U		
o-Toluidine	0.000722 U	0.000842 U		
Pentachlorobenzene	0.000206 U	0.000241 U		
Pentachloronitrobenzene	0.000003 UJ	0.000003 UJ		
Pentachlorophenol	--	--		
Phenanthrene	0.000103 U	0.00012 U		
Phenol	--	--		

Attachment C - Environmental Sampling Results For Location EV08

	Tap Water - mg/L				
	Sample Results for: EV08TW001	Sample Results for: EV08TW001-D			
Chemical					
Pyrene	0.000103 U	0.00012 U			
Total Carcinogenic PAHS (BaP TEQs)	0.0001236 U	0.000144 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)	--	--			
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 EV08

Chemical	Tap Water - mg/L		
	Sample Results for: EV08TW001	Sample Results for: EV08TW001-D	
Acetaldehyde	--	--	
Acetone	0.001 U	0.001 U	
Acetonitrile	--	--	
Acetophenone	--	--	
Acrolein	--	--	
Acrylonitrile	--	--	
Benzene	0.00005 U	0.00005 U	
Bis(2-Chloroethyl)ether	--	--	
Bis(chloromethyl)ether	--	--	
Bromochloromethane	0.0001 U	0.0001 U	
Bromodichloromethane	0.00012 U	0.00012 U	
Bromoform	0.00169	0.00238	
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	0.00009 U	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	0.000322 J	0.00028 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 EV08

Chemical	Tap Water - mg/L		
	Sample Results for: EV08TW001	Sample Results for: EV08TW001-D	
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 Streptococcus 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 EV09

Chemical	Soil - mg/kg				
	Sample Results for: EV09SS0010006				
Alkane Hydrocarbon					
Octane	--				
Pentadecane	--				
Tridecane	--				
Undecane	--				
Anion					
Chloride	--				
Cyanide	0.158 U				
Fluoride	--				
Nitrate (measured as NO ₃ -)	--				
Nitrite (measured as NO ₂ -)	--				
Phosphate	--				
Sulfate	--				
Dioxins/Furans					
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.0000008082				
Disinfectants					
Chlorine (as Cl ₂)	--				
Disinfection Byproducts					
Total Trihalomethanes	--				
Field Parameters					
Dissolved Oxygen	--				
Oxidation Reduction Potential	--				
pH	--				
Salinity	--				
Specific Conductance	--				
Temperature	--				
Total Dissolved Solids	--				
Total Solids	78.40000000000001				
Turbidity	--				
Inorganics					
Aluminum	42400				
Antimony	0.49				
Arsenic	13				
Barium	305				
Beryllium	5.8				
Cadmium (Diet)	0.3				
Cadmium (Water)	--				

Attachment C - Environmental Sampling Results For Location EV09

Chemical	Sample Results for: EV09SS0010006	Soil - mg/kg			
Chromium	4.9				
Cobalt	5.7				
Copper	25				
Iron	19400				
Lead	40				
Manganese (Diet)	596				
Manganese (Water)	--				
Mercury	0.0962 U				
Nickel	6.7				
Selenium	0.11				
Silver	0.14				
Thallium	1.6 U				
Tin	2.7				
Vanadium	45				
Zinc	60				
Microorganisms					
Fecal Coliform	--				
Fecal Streptococcus	--				
Heterotrophic Plate Count	--				
Total Coliforms (including Fecal Coliform and E. Coli)	--				
Pesticides					
4,4-DDD	0.000475 U				
4,4-DDE	0.000467 U				
4,4-DDT	0.000625 U				
Aldrin	0.000379 U				
alpha-BHC	0.000467 U				
alpha-Chlordane	0.000379 U				
beta-BHC	0.000572 U				
Chlordane	--				
delta-BHC	0.000519 U				
Dieldrin	0.000528 U				
Endosulfan I	0.000475 U				
Endosulfan II	0.000379 U				
Endosulfan Sulfate	0.000537 U				
Endrin	0.000607 UJ				
Endrin Aldehyde	0.000546 U				

Attachment C - Environmental Sampling Results For Location EV09

Chemical	Sample Results for: EV09SS0010006	Soil - mg/kg			
gamma-BHC (Lindane)	0.000449 U				
gamma-Chlordane	0.000414 U				
Heptachlor	0.000537 U				
Heptachlor Epoxide	0.000414 U				
Methoxychlor	0.000669 U				
Toxaphene	0.00674 U				
Polychlorinated bi-phenyls					
Aroclor 1016	0.00786 UJ				
Aroclor 1016/1260	--				
Aroclor 1221	0.00786 UJ				
Aroclor 1232	0.00786 UJ				
Aroclor 1242	0.00786 UJ				
Aroclor 1248	0.00786 UJ				
Aroclor 1254	0.00786 UJ				
Aroclor 1260	0.00786 UJ				
Radionuclides					
Uranium	--				
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	0.0188 U				
1,2,4,5-Tetrachlorobenzene	0.015 U				
2,3,4,6-Tetrachlorophenol	0.089 U				
2,4,5-Trichlorophenol	0.154 U				
2,4,6-Trichlorophenol	0.0827 U				
2,4-Dichlorophenol	0.0965 U				
2,4-Dimethylphenol	0.185 U				
2,4-Dinitrophenol	0.0689 UJ				
2,4-Dinitrotoluene	0.0226 U				
2,6-Dichlorophenol	0.0589 U				
2,6-Dinitrotoluene	0.0188 U				
2-Chloronaphthalene	0.01 U				
2-Chlorophenol	0.0626 U				
2-Methylnaphthalene	0.0213 U				
2-Methylphenol (o-Cresol)	0.125 U				
2-Nitrophenol	0.0789 U				
3&4-Methylphenol	0.144 U				
3-Methylphenol	--				
3-Nitroaniline	0.0226 U				

Attachment C - Environmental Sampling Results For Location EV09

Chemical	Sample Results for: EV09SS0010006	Soil - mg/kg			
4,6-Dinitro-2-Methylphenol	0.084 U				
4-Bromophenylphenylether	0.015 U				
4-Chloro-3-Methylphenol	0.11 U				
4-Chloroaniline	0.0288 U				
4-Methylphenol (p-Cresol)	--				
4-Nitroaniline	0.0551 U				
4-Nitrophenol	0.148 U				
Acenaphthene	0.0125 U				
Acenaphthylene	0.0113 U				
Aniline	0.0251 U				
Anthracene	0.015 U				
Atrazine	0.0326 U				
Benzo(g,h,i)perylene	0.0351 U				
Bis(2-ethylhexyl)phthalate	0.132 U				
Butylbenzylphthalate	0.0376 U				
Carbazole	0.0226 U				
Di-n-butylphthalate	0.0539 U				
Di-n-octylphthalate	0.0251 U				
Dibenzofuran	0.0125 U				
Diethylphthalate	0.0213 U				
Dimethylphthalate	0.0163 U				
Diphenylamine	0.0652 U				
Fluoranthene	0.0238 U				
Fluorene	0.015 U				
Hexachlorobenzene	0.0138 U				
Hexachlorobutadiene	0.0125 U				
Hexachlorocyclopentadiene	0.0175 U				
Hexachloroethane	0.0138 U				
Naphthalene	0.00752 U				
Nitrobenzene	0.0188 U				
o-Toluidine	0.0226 U				
Pentachlorobenzene	0.0351 U				
Pentachloronitrobenzene	0.00044 U				
Pentachlorophenol	0.193 U				
Phenanthrene	0.0376 U				
Phenol	0.0426 U				

Attachment C - Environmental Sampling Results For Location EV09

Chemical	Sample Results for: EV09SS0010006	Soil - mg/kg			
Pyrene	0.0226 U				
Total Carcinogenic PAHS (BaP TEQs)	0.0541623 U				
Total Petroleum Hydrocarbon					
Tph (c03-c20)	--				
Tph (c08-c40)	--				
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	0.000386 U				
1,1,1-Trichloroethane	0.000514 U				
1,1,2,2-Tetrachloroethane	0.000257 U				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.008 J				
1,1,2-Trichloroethane	0.000386 U				
1,1-Dichloroethane	0.0009 U				
1,1-Dichloroethene	0.000643 U				
1,2,3-Trichlorobenzene	0.000643 U				
1,2,3-Trichloropropane	0.000386 U				
1,2,4-Trichlorobenzene	0.000386 U				
1,2,4-Trimethylbenzene	0.00111 J				
1,2-Dibromo-3-Chloropropane	0.000514 U				
1,2-Dibromoethane	0.000129 U				
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	0.000771 U				
1,2-Dichlorobenzene	0.000129 U				
1,2-Dichloroethane	0.000257 U				
1,2-Dichloropropane	0.000386 U				
1,3,5-Trimethylbenzene	0.000257 U				
1,3-Butadiene	--				
1,3-Dichlorobenzene	0.000257 U				
1,3-Dichloropropane	0.000257 U				
1,4-Dichlorobenzene	0.000129 U				
2,2-Dichloropropane	0.000643 U				
2-Butanone (methyl ethyl ketone)	0.00231 U				
2-Chlorotoluene	0.000386 U				
2-Hexanone	0.00129 U				
4-Chlorotoluene	0.000257 U				
4-Isopropyltoluene	0.000884 J				
4-Methyl-2-Pentanone	0.000386 U				
Acetaldehyde	--				

Attachment C - Environmental Sampling Results For Location EV09

Chemical	Sample Results for: EV09SS0010006	Soil - mg/kg			
Acetone	0.00746 U				
Acetonitrile	--				
Acetophenone	--				
Acrolein	--				
Acrylonitrile	--				
Benzene	0.000386 U				
Bis(2-Chloroethyl)ether	--				
Bis(chloromethyl)ether	--				
Bromochloromethane	0.000514 U				
Bromodichloromethane	0.000514 U				
Bromoform	0.000257 U				
Bromomethane	0.00386 U				
Carbon Disulfide	--				
Carbon Tetrachloride	0.000514 U				
Chlorobenzene	0.000257 U				
Chloroethane	0.000514 U				
Chloroform	0.0009 U				
Chloromethane	0.00116 U				
Chloroprene	--				
cis-1,2-Dichloroethene	0.0009 U				
cis-1,3-Dichloropropene	0.000129 U				
Cyclohexane	--				
Dibromochloromethane	0.000129 U				
Dibromomethane	--				
Dichlorodifluoromethane (Freon 12)	0.000386 U				
Ethylbenzene	0.000907 J				
Formaldehyde	--				
Hexane	--				
Isobutyl Alcohol	--				
Isophorone	--				
Isopropylbenzene	0.00105 J				
m,p-Xylenes	0.00134 J				
Methyl Acetate	--				
Methyl tert-Butyl Ether	0.000643 U				
Methylcyclohexane	--				
Methylene Chloride	0.00129 U				

Attachment C - Environmental Sampling Results For Location EV09

Chemical	Sample Results for: EV09SS0010006	Soil - mg/kg			
n-Butylbenzene	0.000772 J				
n-Propylbenzene	0.000852 J				
o-Xylene	0.000883 J				
Pentachloroethane	--				
sec-Butylbenzene	0.000914 J				
Styrene	0.000708 J				
tert-Butylbenzene	0.00116 J				
Tetrachloroethene	0.00277 J				
Toluene	0.00142 J				
trans-1,2-Dichloroethene	0.000771 U				
trans-1,3-Dichloropropene	0.000386 U				
Trans-1,4-Dichloro-2-Butene	--				
Trichloroethene	0.000643 U				
Trichlorofluoromethane	0.00103 U				
Vinyl Acetate	--				
Vinyl Chloride	0.000514 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 EV09

	Chemical	Soil Gas - mg/m3				
		Sample Results for: EV09SG0010018				
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 EV09

	Soil Gas - mg/m3				
	Sample Results for: EV09SG0010018				
Chemical					
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 EV09

	Soil Gas - mg/m3				
	Sample Results for: EV09SG0010018				
Chemical					
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 EV09

Chemical	Soil Gas - mg/m3				
	Sample Results for: EV09SG0010018				
4,6-Dinitro-2-Methylphenol	--				
4-Bromophenylphenylether	--				
4-Chloro-3-Methylphenol	--				
4-Chloroaniline	--				
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 EV09

	Chemical	Soil Gas - mg/m3				
		Sample Results for: EV09SG0010018				
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 EV09

Chemical	Soil Gas - mg/m3				
	Sample Results for: EV09SG0010018				
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 EV09

Chemical	Soil Gas - mg/m3				
	Sample Results for: EV09SG0010018				
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 Streptococcus 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 EV09

Chemical	Sample Results for: EV09TW001	Tap Water - mg/L			
Alkane Hydrocarbon					
Octane	--				
Pentadecane	--				
Tridecane	--				
Undecane	--				
Anion					
Chloride	31.3				
Cyanide	0.004 U				
Fluoride	0.2 U				
Nitrate (measured as NO ₃ -)	8				
Nitrite (measured as NO ₂ -)	0.2 U				
Phosphate	0.4 U				
Sulfate	10.4				
Dioxins/Furans					
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.000000021145				
Disinfectants					
Chlorine (as Cl ₂)	0.1				
Disinfection Byproducts					
Total Trihalomethanes	0.002143				
Field Parameters					
Dissolved Oxygen	7.88				
Oxidation Reduction Potential	574				
pH	6.83				
Salinity	--				
Specific Conductance	0.099				
Temperature	22.32				
Total Dissolved Solids	--				
Total Solids	--				
Turbidity	--				
Inorganics					
Aluminum	0.0022 U				
Antimony	0.00014 U				
Arsenic	0.00406				
Barium	0.0164				
Beryllium	0.00003 U				
Cadmium (Diet)	--				
Cadmium (Water)	0.00004 U				

Attachment C - Environmental Sampling Results For Location EV09

Chemical	Sample Results for: EV09TW001	Tap Water - mg/L			
Chromium	0.000954				
Cobalt	0.0000958				
Copper	0.0358				
Iron	0.0047 U				
Lead	0.000702				
Manganese (Diet)	--				
Manganese (Water)	0.000342				
Mercury	0.000015 U				
Nickel	0.00116				
Selenium	0.000283				
Silver	0.00012 U				
Thallium	0.00004 U				
Tin	0.0001 U				
Vanadium	0.00261				
Zinc	0.0627				
Microorganisms					
Fecal Coliform	1 <				
Fecal Streptococcus	0				
Heterotrophic Plate Count	4				
Total Coliforms (including Fecal Coliform and E. Coli)	1 <				
Pesticides					
4,4-DDD	0.000003 U				
4,4-DDE	0.000002 UJ				
4,4-DDT	0.000006 U				
Aldrin	0.000002 UJ				
alpha-BHC	0.000003 UJ				
alpha-Chlordane	0.000003 UJ				
beta-BHC	0.000002 UJ				
Chlordane	--				
delta-BHC	0.000001 U				
Dieldrin	0.000003 UJ				
Endosulfan I	0.000003 UJ				
Endosulfan II	0.000002 UJ				
Endosulfan Sulfate	0.000007 UJ				
Endrin	0.000002 UJ				
Endrin Aldehyde	0.000002 UJ				

Attachment C - Environmental Sampling Results For Location EV09

	Sample Results for: EV09TW001	Tap Water - mg/L			
Chemical					
gamma-BHC (Lindane)	0.000001 U				
gamma-Chlordane	0.000002 UJ				
Heptachlor	0.000004 UJ				
Heptachlor Epoxide	0.000004 UJ				
Methoxychlor	0.000003 UJ				
Toxaphene	0.00001 U				
Polychlorinated bi-phenyls					
Aroclor 1016	0.00002 UJ				
Aroclor 1016/1260	--				
Aroclor 1221	0.00002 UJ				
Aroclor 1232	0.00002 UJ				
Aroclor 1242	0.00002 UJ				
Aroclor 1248	0.00002 UJ				
Aroclor 1254	0.00002 UJ				
Aroclor 1260	0.00002 UJ				
Radionuclides					
Uranium	0.00147				
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	0.000216 U				
1,2,4,5-Tetrachlorobenzene	0.000216 U				
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	0.00108 U				
2,6-Dichlorophenol	--				
2,6-Dinitrotoluene	0.000108 U				
2-Chloronaphthalene	0.000216 U				
2-Chlorophenol	--				
2-Methylnaphthalene	0.000216 U				
2-Methylphenol (o-Cresol)	--				
2-Nitrophenol	--				
3&4-Methylphenol	--				
3-Methylphenol	--				
3-Nitroaniline	0.00108 U				

Attachment C - Environmental Sampling Results For Location EV09

Chemical	Sample Results for: EV09TW001	Tap Water - mg/L			
4,6-Dinitro-2-Methylphenol	--				
4-Bromophenylphenylether	0.000108 U				
4-Chloro-3-Methylphenol	--				
4-Chloroaniline	0.00108 U				
4-Methylphenol (p-Cresol)	--				
4-Nitroaniline	0.00108 U				
4-Nitrophenol	--				
Acenaphthene	0.000108 U				
Acenaphthylene	0.000108 U				
Aniline	0.00108 U				
Anthracene	0.000108 U				
Atrazine	0.000108 U				
Benzo(g,h,i)perylene	0.000108 U				
Bis(2-ethylhexyl)phthalate	0.00152 U				
Butylbenzylphthalate	0.000108 U				
Carbazole	0.000108 U				
Di-n-butylphthalate	0.00141 U				
Di-n-octylphthalate	0.000216 UJ				
Dibenzofuran	0.000108 U				
Diethylphthalate	0.000216 U				
Dimethylphthalate	0.000108 U				
Diphenylamine	0.000108 U				
Fluoranthene	0.000108 U				
Fluorene	0.000108 U				
Hexachlorobenzene	0.000108 U				
Hexachlorobutadiene	0.000216 U				
Hexachlorocyclopentadiene	0.00108 U				
Hexachloroethane	0.000108 U				
Naphthalene	0.000216 U				
Nitrobenzene	0.000216 U				
o-Toluidine	0.000758 U				
Pentachlorobenzene	0.000216 U				
Pentachloronitrobenzene	0.000003 UJ				
Pentachlorophenol	--				
Phenanthrene	0.000108 U				
Phenol	--				

Attachment C - Environmental Sampling Results For Location EV09

Chemical	Sample Results for: EV09TW001	Tap Water - mg/L			
Pyrene	0.000108 U				
Total Carcinogenic PAHS (BaP TEQs)	0.0001296 U				
Total Petroleum Hydrocarbon					
Tph (c03-c20)	--				
Tph (c08-c40)	--				
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	0.00011 UJ				
1,1,1-Trichloroethane	0.00017 UJ				
1,1,2,2-Tetrachloroethane	0.00005 UJ				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0002 UJ				
1,1,2-Trichloroethane	0.00011 UJ				
1,1-Dichloroethane	0.0001 UJ				
1,1-Dichloroethene	0.00013 UJ				
1,2,3-Trichlorobenzene	0.00012 UJ				
1,2,3-Trichloropropane	0.00013 UJ				
1,2,4-Trichlorobenzene	0.00013 UJ				
1,2,4-Trimethylbenzene	0.00006 UJ				
1,2-Dibromo-3-Chloropropane	0.00025 UJ				
1,2-Dibromoethane	0.00009 UJ				
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	--				
1,2-Dichlorobenzene	0.00007 UJ				
1,2-Dichloroethane	0.00008 UJ				
1,2-Dichloropropane	0.00015 UJ				
1,3,5-Trimethylbenzene	0.00008 UJ				
1,3-Butadiene	--				
1,3-Dichlorobenzene	0.00013 UJ				
1,3-Dichloropropane	0.00011 UJ				
1,4-Dichlorobenzene	0.00007 UJ				
2,2-Dichloropropane	0.0001 UJ				
2-Butanone (methyl ethyl ketone)	0.0016 UJ				
2-Chlorotoluene	0.00012 UJ				
2-Hexanone	0.0002 UJ				
4-Chlorotoluene	0.00013 UJ				
4-Isopropyltoluene	0.0001 UJ				
4-Methyl-2-Pentanone	0.0001 UJ				

Attachment C - Environmental Sampling Results For Location EV09

Chemical	Tap Water - mg/L				
	Sample Results for: EV09TW001				
Acetaldehyde	--				
Acetone	0.001 UJ				
Acetonitrile	--				
Acetophenone	--				
Acrolein	--				
Acrylonitrile	--				
Benzene	0.00005 UJ				
Bis(2-Chloroethyl)ether	--				
Bis(chloromethyl)ether	--				
Bromochloromethane	0.0001 UJ				
Bromodichloromethane	0.00012 UJ				
Bromoform	0.00194 J				
Bromomethane	0.00037 UJ				
Carbon Disulfide	--				
Carbon Tetrachloride	0.00008 UJ				
Chlorobenzene	0.00012 UJ				
Chloroethane	0.00018 UJ				
Chloroform	0.00009 UJ				
Chloromethane	0.00021 UJ				
Chloroprene	--				
cis-1,2-Dichloroethene	0.00013 UJ				
cis-1,3-Dichloropropene	0.00015 UJ				
Cyclohexane	--				
Dibromochloromethane	0.000203 J				
Dibromomethane	--				
Dichlorodifluoromethane (Freon 12)	0.00012 UJ				
Ethylbenzene	0.00005 UJ				
Formaldehyde	--				
Hexane	--				
Isobutyl Alcohol	--				
Isophorone	--				
Isopropylbenzene	0.00006 UJ				
m,p-Xylenes	0.00009 UJ				
Methyl Acetate	--				
Methyl tert-Butyl Ether	0.00011 UJ				
Methylcyclohexane	--				

Attachment C - Environmental Sampling Results For Location EV09

Chemical	Sample Results for: EV09TW001	Tap Water - mg/L			
Methylene Chloride	0.00069 UJ				
n-Butylbenzene	0.00005 UJ				
n-Propylbenzene	0.00007 UJ				
o-Xylene	0.00007 UJ				
Pentachloroethane	--				
sec-Butylbenzene	0.00004 UJ				
Styrene	0.00008 UJ				
tert-Butylbenzene	0.00019 UJ				
Tetrachloroethene	0.00007 UJ				
Toluene	0.00017 UJ				
trans-1,2-Dichloroethene	0.00015 UJ				
trans-1,3-Dichloropropene	0.00007 UJ				
Trans-1,4-Dichloro-2-Butene	--				
Trichloroethene	0.00013 UJ				
Trichlorofluoromethane	0.00019 UJ				
Vinyl Acetate	--				
Vinyl Chloride	0.00015 UJ				
Xylenes, Total	--				

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

Fecal Coliform, Fecal Streptococcus 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 EV10

Chemical	Sample Results for: EV10SS0010006	Soil - mg/kg			
Alkane Hydrocarbon					
Octane	--				
Pentadecane	--				
Tridecane	--				
Undecane	--				
Anion					
Chloride	--				
Cyanide	0.166 U				
Fluoride	--				
Nitrate (measured as NO ₃ -)	--				
Nitrite (measured as NO ₂ -)	--				
Phosphate	--				
Sulfate	--				
Dioxins/Furans					
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.00000027036				
Disinfectants					
Chlorine (as Cl ₂)	--				
Disinfection Byproducts					
Total Trihalomethanes	--				
Field Parameters					
Dissolved Oxygen	--				
Oxidation Reduction Potential	--				
pH	--				
Salinity	--				
Specific Conductance	--				
Temperature	--				
Total Dissolved Solids	--				
Total Solids	73.40000000000001				
Turbidity	--				
Inorganics					
Aluminum	46400				
Antimony	0.42				
Arsenic	12				
Barium	426				
Beryllium	5.5				
Cadmium (Diet)	0.3				
Cadmium (Water)	--				

Attachment C - Environmental Sampling Results For Location EV10

Chemical	Sample Results for: EV10SS0010006	Soil - mg/kg			
Chromium	3.9				
Cobalt	5.8				
Copper	16				
Iron	21200				
Lead	34				
Manganese (Diet)	537				
Manganese (Water)	--				
Mercury	0.106 U				
Nickel	4.9				
Selenium	0.083 U				
Silver	0.1				
Thallium	1.4 U				
Tin	2.7				
Vanadium	45				
Zinc	47				
Microorganisms					
Fecal Coliform	--				
Fecal Streptococcus	--				
Heterotrophic Plate Count	--				
Total Coliforms (including Fecal Coliform and E. Coli)	--				
Pesticides					
4,4-DDD	0.000469 UJ				
4,4-DDE	0.00046 UJ				
4,4-DDT	0.000616 UJ				
Aldrin	0.000373 UJ				
alpha-BHC	0.00046 UJ				
alpha-Chlordane	0.000373 UJ				
beta-BHC	0.000564 UJ				
Chlordane	--				
delta-BHC	0.000512 UJ				
Dieldrin	0.000521 UJ				
Endosulfan I	0.000469 UJ				
Endosulfan II	0.000373 UJ				
Endosulfan Sulfate	0.00053 UJ				
Endrin	0.000599 UJ				
Endrin Aldehyde	0.000538 UJ				

Attachment C - Environmental Sampling Results For Location EV10

Chemical	Sample Results for: EV10SS0010006	Soil - mg/kg			
gamma-BHC (Lindane)	0.000443 UJ				
gamma-Chlordane	0.000408 UJ				
Heptachlor	0.00053 UJ				
Heptachlor Epoxide	0.000408 UJ				
Methoxychlor	0.00066 UJ				
Toxaphene	0.0071 UJ				
Polychlorinated bi-phenyls					
Aroclor 1016	0.00828 UJ				
Aroclor 1016/1260	--				
Aroclor 1221	0.00828 UJ				
Aroclor 1232	0.00828 UJ				
Aroclor 1242	0.00828 UJ				
Aroclor 1248	0.00828 UJ				
Aroclor 1254	0.00828 UJ				
Aroclor 1260	0.00828 UJ				
Radionuclides					
Uranium	--				
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	0.0204 U				
1,2,4,5-Tetrachlorobenzene	0.0163 U				
2,3,4,6-Tetrachlorophenol	0.0964 U				
2,4,5-Trichlorophenol	0.167 U				
2,4,6-Trichlorophenol	0.0896 U				
2,4-Dichlorophenol	0.105 U				
2,4-Dimethylphenol	0.201 U				
2,4-Dinitrophenol	0.0747 UJ				
2,4-Dinitrotoluene	0.0244 U				
2,6-Dichlorophenol	0.0638 U				
2,6-Dinitrotoluene	0.0204 U				
2-Chloronaphthalene	0.0109 U				
2-Chlorophenol	0.0679 U				
2-Methylnaphthalene	0.0231 U				
2-Methylphenol (o-Cresol)	0.136 U				
2-Nitrophenol	0.0855 U				
3&4-Methylphenol	0.156 U				
3-Methylphenol	--				
3-Nitroaniline	0.0244 U				

Attachment C - Environmental Sampling Results For Location EV10

Chemical	Sample Results for: EV10SS0010006	Soil - mg/kg			
4,6-Dinitro-2-Methylphenol	0.091 U				
4-Bromophenylphenylether	0.0163 U				
4-Chloro-3-Methylphenol	0.119 U				
4-Chloroaniline	0.0312 U				
4-Methylphenol (p-Cresol)	--				
4-Nitroaniline	0.0597 U				
4-Nitrophenol	0.16 U				
Acenaphthene	0.0136 U				
Acenaphthylene	0.0122 U				
Aniline	0.0272 U				
Anthracene	0.0163 U				
Atrazine	0.0353 U				
Benzo(g,h,i)perylene	0.038 U				
Bis(2-ethylhexyl)phthalate	0.143 U				
Butylbenzylphthalate	0.0407 U				
Carbazole	0.0244 U				
Di-n-butylphthalate	0.0584 U				
Di-n-octylphthalate	0.0272 U				
Dibenzofuran	0.0136 U				
Diethylphthalate	0.0231 U				
Dimethylphthalate	0.0176 U				
Diphenylamine	0.0706 U				
Fluoranthene	0.0258 U				
Fluorene	0.0163 U				
Hexachlorobenzene	0.0149 U				
Hexachlorobutadiene	0.0136 U				
Hexachlorocyclopentadiene	0.019 U				
Hexachloroethane	0.0149 U				
Naphthalene	0.00814 U				
Nitrobenzene	0.0204 U				
o-Toluidine	0.0244 U				
Pentachlorobenzene	0.038 U				
Pentachloronitrobenzene	0.000434 UJ				
Pentachlorophenol	0.209 U				
Phenanthrene	0.0407 U				
Phenol	0.0462 U				

Attachment C - Environmental Sampling Results For Location EV10

Chemical	Sample Results for: EV10SS0010006	Soil - mg/kg			
Pyrene	0.0244 U				
Total Carcinogenic PAHS (BaP TEQs)	0.0586216 U				
Total Petroleum Hydrocarbon					
Tph (c03-c20)	--				
Tph (c08-c40)	--				
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	0.000426 UJ				
1,1,1-Trichloroethane	0.000568 UJ				
1,1,2,2-Tetrachloroethane	0.000284 UJ				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.000994 UJ				
1,1,2-Trichloroethane	0.000426 UJ				
1,1-Dichloroethane	0.000994 UJ				
1,1-Dichloroethene	0.00071 UJ				
1,2,3-Trichlorobenzene	0.00071 UJ				
1,2,3-Trichloropropane	0.000426 UJ				
1,2,4-Trichlorobenzene	0.000426 UJ				
1,2,4-Trimethylbenzene	0.000568 UJ				
1,2-Dibromo-3-Chloropropane	0.000568 UJ				
1,2-Dibromoethane	0.000142 UJ				
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	0.000852 UJ				
1,2-Dichlorobenzene	0.000142 UJ				
1,2-Dichloroethane	0.000284 UJ				
1,2-Dichloropropane	0.000426 UJ				
1,3,5-Trimethylbenzene	0.00152 J				
1,3-Butadiene	--				
1,3-Dichlorobenzene	0.000284 UJ				
1,3-Dichloropropane	0.000284 UJ				
1,4-Dichlorobenzene	0.000142 UJ				
2,2-Dichloropropane	0.00071 UJ				
2-Butanone (methyl ethyl ketone)	0.00256 UJ				
2-Chlorotoluene	0.000426 UJ				
2-Hexanone	0.00142 UJ				
4-Chlorotoluene	0.000284 UJ				
4-Isopropyltoluene	0.00122 J				
4-Methyl-2-Pentanone	0.000426 UJ				
Acetaldehyde	--				

Attachment C - Environmental Sampling Results For Location EV10

Chemical	Sample Results for: EV10SS0010006	Soil - mg/kg			
Acetone	0.00941 J				
Acetonitrile	--				
Acetophenone	--				
Acrolein	--				
Acrylonitrile	--				
Benzene	0.000426 UJ				
Bis(2-Chloroethyl)ether	--				
Bis(chloromethyl)ether	--				
Bromochloromethane	0.000568 UJ				
Bromodichloromethane	0.000568 UJ				
Bromoform	0.000284 UJ				
Bromomethane	0.00426 UJ				
Carbon Disulfide	--				
Carbon Tetrachloride	0.000568 UJ				
Chlorobenzene	0.000284 UJ				
Chloroethane	0.000568 UJ				
Chloroform	0.000994 UJ				
Chloromethane	0.00128 UJ				
Chloroprene	--				
cis-1,2-Dichloroethene	0.000994 UJ				
cis-1,3-Dichloropropene	0.000142 UJ				
Cyclohexane	--				
Dibromochloromethane	0.000142 UJ				
Dibromomethane	--				
Dichlorodifluoromethane (Freon 12)	0.000426 UJ				
Ethylbenzene	0.00189 J				
Formaldehyde	--				
Hexane	--				
Isobutyl Alcohol	--				
Isophorone	--				
Isopropylbenzene	0.00239 J				
m,p-Xylenes	0.00275 J				
Methyl Acetate	--				
Methyl tert-Butyl Ether	0.00071 UJ				
Methylcyclohexane	--				
Methylene Chloride	0.00142 UJ				

Attachment C - Environmental Sampling Results For Location EV10

Chemical	Sample Results for: EV10SS0010006	Soil - mg/kg			
n-Butylbenzene	0.00072 J				
n-Propylbenzene	0.00148 J				
o-Xylene	0.00125 J				
Pentachloroethane	--				
sec-Butylbenzene	0.00121 J				
Styrene	0.00123 J				
tert-Butylbenzene	0.0015 J				
Tetrachloroethene	0.000852 UJ				
Toluene	0.00259 J				
trans-1,2-Dichloroethene	0.000852 UJ				
trans-1,3-Dichloropropene	0.000426 UJ				
Trans-1,4-Dichloro-2-Butene	--				
Trichloroethene	0.00071 UJ				
Trichlorofluoromethane	0.00114 UJ				
Vinyl Acetate	--				
Vinyl Chloride	0.000568 UJ				
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 EV10

	Soil Gas - mg/m3				
	Sample Results for: EV10SG0010018				
Chemical					
Alkane Hydrocarbon					
Octane	0.001253153 U				
Pentadecane	0.008742123				
Tridecane	0.004101341				
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 EV10

	Soil Gas - mg/m3				
	Sample Results for: EV10SG0010018				
Chemical					
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 EV10

	Soil Gas - mg/m3				
	Sample Results for: EV10SG0010018				
Chemical					
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 EV10

Chemical	Soil Gas - mg/m3				
	Sample Results for: EV10SG0010018				
4,6-Dinitro-2-Methylphenol	--				
4-Bromophenylphenylether	--				
4-Chloro-3-Methylphenol	--				
4-Chloroaniline	--				
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 EV10

	Soil Gas - mg/m3				
	Sample Results for: EV10SG0010018				
Chemical					
Pyrene	0.002090164 U				
Total Carcinogenic PAHS (BaP TEQs)	--				
Total Petroleum Hydrocarbon					
Tph (c03-c20)	0.365096804				
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 EV10

Chemical	Soil Gas - mg/m3				
	Sample Results for: EV10SG0010018				
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 EV10

Chemical	Soil Gas - mg/m3				
	Sample Results for: EV10SG0010018				
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 Streptococcus 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 EV10

Chemical	Sample Results for: EV10TW001	Tap Water - mg/L			
Alkane Hydrocarbon					
Octane	--				
Pentadecane	--				
Tridecane	--				
Undecane	--				
Anion					
Chloride	33.3				
Cyanide	0.004 U				
Fluoride	0.25				
Nitrate (measured as NO ₃ -)	7.82				
Nitrite (measured as NO ₂ -)	0.2 U				
Phosphate	0.4 U				
Sulfate	10.4				
Dioxins/Furans					
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.0000000007983				
Disinfectants					
Chlorine (as Cl ₂)	0.1				
Disinfection Byproducts					
Total Trihalomethanes	0.002173				
Field Parameters					
Dissolved Oxygen	8.460000000000001				
Oxidation Reduction Potential	613				
pH	7.22				
Salinity	--				
Specific Conductance	0.095				
Temperature	23.06				
Total Dissolved Solids	--				
Total Solids	--				
Turbidity	--				
Inorganics					
Aluminum	0.0022 U				
Antimony	0.00014 U				
Arsenic	0.0043				
Barium	0.0172				
Beryllium	0.00012 U				
Cadmium (Diet)	--				
Cadmium (Water)	0.00004 U				

Attachment C - Environmental Sampling Results For Location EV10

Chemical	Sample Results for: EV10TW001	Tap Water - mg/L			
Chromium	0.000994				
Cobalt	0.000127				
Copper	0.192				
Iron	0.00767				
Lead	0.00172				
Manganese (Diet)	--				
Manganese (Water)	0.00073				
Mercury	0.000015 U				
Nickel	0.0169				
Selenium	0.000868				
Silver	0.00012 U				
Thallium	0.00164				
Tin	0.0001 U				
Vanadium	0.00332				
Zinc	0.412				
Microorganisms					
Fecal Coliform	1 <				
Fecal Streptococcus	0				
Heterotrophic Plate Count	14				
Total Coliforms (including Fecal Coliform and E. Coli)	1 <				
Pesticides					
4,4-DDD	0.000003 U				
4,4-DDE	0.000002 UJ				
4,4-DDT	0.000006 U				
Aldrin	0.000002 UJ				
alpha-BHC	0.000003 UJ				
alpha-Chlordane	0.000003 UJ				
beta-BHC	0.000002 UJ				
Chlordane	--				
delta-BHC	0.000001 U				
Dieldrin	0.000003 UJ				
Endosulfan I	0.000003 UJ				
Endosulfan II	0.000002 UJ				
Endosulfan Sulfate	0.000007 UJ				
Endrin	0.000002 UJ				
Endrin Aldehyde	0.000002 UJ				

Attachment C - Environmental Sampling Results For Location EV10

	Sample Results for: EV10TW001	Tap Water - mg/L			
Chemical					
gamma-BHC (Lindane)	0.000001 U				
gamma-Chlordane	0.000002 UJ				
Heptachlor	0.000004 UJ				
Heptachlor Epoxide	0.000004 UJ				
Methoxychlor	0.000003 UJ				
Toxaphene	0.00001 U				
Polychlorinated bi-phenyls					
Aroclor 1016	0.00002 UJ				
Aroclor 1016/1260	--				
Aroclor 1221	0.00002 UJ				
Aroclor 1232	0.00002 UJ				
Aroclor 1242	0.00002 UJ				
Aroclor 1248	0.00002 UJ				
Aroclor 1254	0.00002 UJ				
Aroclor 1260	0.00002 UJ				
Radionuclides					
Uranium	0.00137				
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	0.000237 U				
1,2,4,5-Tetrachlorobenzene	0.000237 U				
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	0.00119 U				
2,6-Dichlorophenol	--				
2,6-Dinitrotoluene	0.000119 U				
2-Chloronaphthalene	0.000237 U				
2-Chlorophenol	--				
2-Methylnaphthalene	0.000237 U				
2-Methylphenol (o-Cresol)	--				
2-Nitrophenol	--				
3&4-Methylphenol	--				
3-Methylphenol	--				
3-Nitroaniline	0.00119 U				

Attachment C - Environmental Sampling Results For Location EV10

Chemical	Tap Water - mg/L				
	Sample Results for: EV10TW001				
4,6-Dinitro-2-Methylphenol	--				
4-Bromophenylphenylether	0.000119 U				
4-Chloro-3-Methylphenol	--				
4-Chloroaniline	0.00119 U				
4-Methylphenol (p-Cresol)	--				
4-Nitroaniline	0.00119 U				
4-Nitrophenol	--				
Acenaphthene	0.000119 U				
Acenaphthylene	0.000119 U				
Aniline	0.00119 U				
Anthracene	0.000119 U				
Atrazine	0.000119 U				
Benzo(g,h,i)perylene	0.000119 U				
Bis(2-ethylhexyl)phthalate	0.00166 U				
Butylbenzylphthalate	0.000119 U				
Carbazole	0.000119 U				
Di-n-butylphthalate	0.00154 U				
Di-n-octylphthalate	0.000237 UJ				
Dibenzofuran	0.000119 U				
Diethylphthalate	0.000237 U				
Dimethylphthalate	0.000119 U				
Diphenylamine	0.000119 U				
Fluoranthene	0.000119 U				
Fluorene	0.000119 U				
Hexachlorobenzene	0.000119 U				
Hexachlorobutadiene	0.000237 U				
Hexachlorocyclopentadiene	0.00119 U				
Hexachloroethane	0.000119 U				
Naphthalene	0.000237 U				
Nitrobenzene	0.000237 U				
o-Toluidine	0.00083 U				
Pentachlorobenzene	0.000237 U				
Pentachloronitrobenzene	0.000003 UJ				
Pentachlorophenol	--				
Phenanthrene	0.000119 U				
Phenol	--				

Attachment C - Environmental Sampling Results For Location EV10

	Chemical	Tap Water - mg/L				
		Sample Results for: EV10TW001				
Pyrene		0.000119 U				
Total Carcinogenic PAHS (BaP TEQs)		0.0001428 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		0.00027 J				
1,2,3-Trichloropropane		0.00013 U				
1,2,4-Trichlorobenzene		0.000223 J				
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)		--				
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 EV10

Chemical	Tap Water - mg/L				
	Sample Results for: EV10TW001				
Acetaldehyde	--				
Acetone	0.001 U				
Acetonitrile	--				
Acetophenone	--				
Acrolein	--				
Acrylonitrile	--				
Benzene	0.00005 U				
Bis(2-Chloroethyl)ether	--				
Bis(chloromethyl)ether	--				
Bromochloromethane	0.0001 U				
Bromodichloromethane	0.00012 U				
Bromoform	0.0019				
Bromomethane	0.00037 U				
Carbon Disulfide	--				
Carbon Tetrachloride	0.00008 U				
Chlorobenzene	0.00012 U				
Chloroethane	0.00018 U				
Chloroform	0.00009 U				
Chloromethane	0.00021 U				
Chloroprene	--				
cis-1,2-Dichloroethene	0.00013 U				
cis-1,3-Dichloropropene	0.00015 U				
Cyclohexane	--				
Dibromochloromethane	0.000273 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 EV10

Chemical	Sample Results for: EV10TW001	Tap Water - mg/L			
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 Streptococcus 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 EV11

Chemical	Soil - mg/kg				
	Sample Results for: EV11SS0010006				
Alkane Hydrocarbon					
Octane	--				
Pentadecane	--				
Tridecane	--				
Undecane	--				
Anion					
Chloride	--				
Cyanide	0.144 U				
Fluoride	--				
Nitrate (measured as NO ₃ -)	--				
Nitrite (measured as NO ₂ -)	--				
Phosphate	--				
Sulfate	--				
Dioxins/Furans					
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.0000007292				
Disinfectants					
Chlorine (as Cl ₂)	--				
Disinfection Byproducts					
Total Trihalomethanes	--				
Field Parameters					
Dissolved Oxygen	--				
Oxidation Reduction Potential	--				
pH	--				
Salinity	--				
Specific Conductance	--				
Temperature	--				
Total Dissolved Solids	--				
Total Solids	84.5				
Turbidity	--				
Inorganics					
Aluminum	42700				
Antimony	0.443				
Arsenic	14.1				
Barium	314				
Beryllium	5.69				
Cadmium (Diet)	0.323				
Cadmium (Water)	--				

Attachment C - Environmental Sampling Results For Location EV11

Chemical	Sample Results for: EV11SS0010006	Soil - mg/kg			
Chromium	5.34				
Cobalt	5.81				
Copper	21.8				
Iron	20400				
Lead	36.5				
Manganese (Diet)	587				
Manganese (Water)	--				
Mercury	0.106 U				
Nickel	5.9				
Selenium	0.0952				
Silver	0.0987 U				
Thallium	1.43 U				
Tin	2.6				
Vanadium	48.4				
Zinc	55.6				
Microorganisms					
Fecal Coliform	--				
Fecal Streptococcus	--				
Heterotrophic Plate Count	--				
Total Coliforms (including Fecal Coliform and E. Coli)	--				
Pesticides					
4,4-DDD	0.000465 U				
4,4-DDE	0.000456 U				
4,4-DDT	0.000611 U				
Aldrin	0.00037 U				
alpha-BHC	0.000456 U				
alpha-Chlordane	0.00037 U				
beta-BHC	0.000559 U				
Chlordane	--				
delta-BHC	0.000508 U				
Dieldrin	0.000516 U				
Endosulfan I	0.000465 U				
Endosulfan II	0.00037 U				
Endosulfan Sulfate	0.000525 U				
Endrin	0.000594 UJ				
Endrin Aldehyde	0.000534 U				

Attachment C - Environmental Sampling Results For Location EV11

Chemical	Sample Results for: EV11SS0010006	Soil - mg/kg			
gamma-BHC (Lindane)	0.000439 U				
gamma-Chlordane	0.000404 U				
Heptachlor	0.000525 U				
Heptachlor Epoxide	0.000404 U				
Methoxychlor	0.000654 U				
Toxaphene	0.00611 U				
Polychlorinated bi-phenyls					
Aroclor 1016	0.00713 UJ				
Aroclor 1016/1260	--				
Aroclor 1221	0.00713 UJ				
Aroclor 1232	0.00713 UJ				
Aroclor 1242	0.00713 UJ				
Aroclor 1248	0.00713 UJ				
Aroclor 1254	0.00713 UJ				
Aroclor 1260	0.00713 UJ				
Radionuclides					
Uranium	--				
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	0.0174 U				
1,2,4,5-Tetrachlorobenzene	0.0139 U				
2,3,4,6-Tetrachlorophenol	0.0822 U				
2,4,5-Trichlorophenol	0.142 U				
2,4,6-Trichlorophenol	0.0764 U				
2,4-Dichlorophenol	0.0891 U				
2,4-Dimethylphenol	0.171 U				
2,4-Dinitrophenol	0.0637 UJ				
2,4-Dinitrotoluene	0.0208 U				
2,6-Dichlorophenol	0.0544 U				
2,6-Dinitrotoluene	0.0174 U				
2-Chloronaphthalene	0.00926 U				
2-Chlorophenol	0.0579 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 EV11

Chemical	Sample Results for: EV11SS0010006	Soil - mg/kg			
4,6-Dinitro-2-Methylphenol	0.0776 U				
4-Bromophenylphenylether	0.0139 U				
4-Chloro-3-Methylphenol	0.102 U				
4-Chloroaniline	0.0266 U				
4-Methylphenol (p-Cresol)	--				
4-Nitroaniline	0.0509 U				
4-Nitrophenol	0.137 U				
Acenaphthene	0.0116 U				
Acenaphthylene	0.0104 U				
Aniline	0.0232 U				
Anthracene	0.0139 U				
Atrazine	0.0301 U				
Benzo(g,h,i)perylene	0.0324 U				
Bis(2-ethylhexyl)phthalate	0.122 U				
Butylbenzylphthalate	0.0347 U				
Carbazole	0.0208 U				
Di-n-butylphthalate	0.0498 U				
Di-n-octylphthalate	0.0232 U				
Dibenzofuran	0.0116 U				
Diethylphthalate	0.0197 U				
Dimethylphthalate	0.015 U				
Diphenylamine	0.0602 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	0.0174 U				
o-Toluidine	0.0208 U				
Pentachlorobenzene	0.0324 U				
Pentachloronitrobenzene	0.00043 U				
Pentachlorophenol	0.178 U				
Phenanthrene	0.0347 U				
Phenol	0.0394 U				

Attachment C - Environmental Sampling Results For Location EV11

Chemical	Sample Results for: EV11SS0010006	Soil - mg/kg			
Pyrene	0.0208 U				
Total Carcinogenic PAHS (BaP TEQs)	0.049983 U				
Total Petroleum Hydrocarbon					
Tph (c03-c20)	--				
Tph (c08-c40)	--				
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	0.00363 J				
1,1,1-Trichloroethane	0.000557 U				
1,1,2,2-Tetrachloroethane	0.000278 U				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.000974 U				
1,1,2-Trichloroethane	0.000418 U				
1,1-Dichloroethane	0.000974 U				
1,1-Dichloroethene	0.000696 U				
1,2,3-Trichlorobenzene	0.000696 U				
1,2,3-Trichloropropane	--				
1,2,4-Trichlorobenzene	0.000418 U				
1,2,4-Trimethylbenzene	0.0025 J				
1,2-Dibromo-3-Chloropropane	0.000557 U				
1,2-Dibromoethane	0.000139 U				
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	0.000835 U				
1,2-Dichlorobenzene	0.000139 U				
1,2-Dichloroethane	0.00299 J				
1,2-Dichloropropane	0.000418 U				
1,3,5-Trimethylbenzene	0.0024 J				
1,3-Butadiene	--				
1,3-Dichlorobenzene	0.00138 J				
1,3-Dichloropropane	0.00239 J				
1,4-Dichlorobenzene	0.000139 U				
2,2-Dichloropropane	0.000696 U				
2-Butanone (methyl ethyl ketone)	0.00251 U				
2-Chlorotoluene	0.000418 U				
2-Hexanone	0.00139 U				
4-Chlorotoluene	0.000278 U				
4-Isopropyltoluene	0.00237 J				
4-Methyl-2-Pentanone	0.000418 U				
Acetaldehyde	--				

Attachment C - Environmental Sampling Results For Location EV11

Chemical	Sample Results for: EV11SS0010006	Soil - mg/kg			
Acetone	0.0292				
Acetonitrile	--				
Acetophenone	--				
Acrolein	--				
Acrylonitrile	--				
Benzene	0.000932 J				
Bis(2-Chloroethyl)ether	--				
Bis(chloromethyl)ether	--				
Bromochloromethane	0.000557 U				
Bromodichloromethane	0.0031 J				
Bromoform	0.000278 U				
Bromomethane	0.00418 U				
Carbon Disulfide	--				
Carbon Tetrachloride	0.000557 U				
Chlorobenzene	0.00346 J				
Chloroethane	0.000557 U				
Chloroform	0.00121 J				
Chloromethane	0.00125 U				
Chloroprene	--				
cis-1,2-Dichloroethene	0.000974 U				
cis-1,3-Dichloropropene	0.000139 U				
Cyclohexane	--				
Dibromochloromethane	0.00278 J				
Dibromomethane	--				
Dichlorodifluoromethane (Freon 12)	0.000418 U				
Ethylbenzene	0.00547 J				
Formaldehyde	--				
Hexane	--				
Isobutyl Alcohol	--				
Isophorone	--				
Isopropylbenzene	0.00348 J				
m,p-Xylenes	0.00833 J				
Methyl Acetate	--				
Methyl tert-Butyl Ether	0.000696 U				
Methylcyclohexane	--				
Methylene Chloride	0.00139 U				

Attachment C - Environmental Sampling Results For Location EV11

Chemical	Sample Results for: EV11SS0010006	Soil - mg/kg			
n-Butylbenzene	0.00109 J				
n-Propylbenzene	0.00263 J				
o-Xylene	0.00367 J				
Pentachloroethane	--				
sec-Butylbenzene	0.00211 J				
Styrene	0.00406 J				
tert-Butylbenzene	0.00292 J				
Tetrachloroethene	0.00443 J				
Toluene	0.0138				
trans-1,2-Dichloroethene	0.000835 U				
trans-1,3-Dichloropropene	0.000418 U				
Trans-1,4-Dichloro-2-Butene	--				
Trichloroethene	0.00229 J				
Trichlorofluoromethane	0.00111 U				
Vinyl Acetate	--				
Vinyl Chloride	0.000557 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 EV11

	Soil Gas - mg/m3				
	Sample Results for: EV11SG0010018				
Chemical					
Alkane Hydrocarbon					
Octane	0.001253153 U				
Pentadecane	0.003308002				
Tridecane	0.001034626				
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 EV11

	Soil Gas - mg/m3				
	Sample Results for: EV11SG0010018				
Chemical					
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 EV11

	Soil Gas - mg/m3				
	Sample Results for: EV11SG0010018				
Chemical					
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 EV11

Chemical	Soil Gas - mg/m3				
	Sample Results for: EV11SG0010018				
4,6-Dinitro-2-Methylphenol	--				
4-Bromophenylphenylether	--				
4-Chloro-3-Methylphenol	--				
4-Chloroaniline	--				
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 EV11

	Soil Gas - mg/m3				
	Sample Results for: EV11SG0010018				
Chemical					
Pyrene	0.002090164 U				
Total Carcinogenic PAHS (BaP TEQs)	--				
Total Petroleum Hydrocarbon					
Tph (c03-c20)	0.289622128				
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 EV11

Chemical	Soil Gas - mg/m3				
	Sample Results for: EV11SG0010018				
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 EV11

Chemical	Soil Gas - mg/m3				
	Sample Results for: EV11SG0010018				
Methylene Chloride	--				
n-Butylbenzene	--				
n-Propylbenzene	--				
o-Xylene	0.001322952 U				
Pentachloroethane	--				
sec-Butylbenzene	--				
Styrene	--				
tert-Butylbenzene	--				
Tetrachloroethene	0.040719929				
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 Streptococcus 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 EV11

Chemical	Sample Results for: EV11TW001	Tap Water - mg/L			
Alkane Hydrocarbon					
Octane	--				
Pentadecane	--				
Tridecane	--				
Undecane	--				
Anion					
Chloride	34.8				
Cyanide	0.004 U				
Fluoride	0.206				
Nitrate (measured as NO ₃ -)	7.83				
Nitrite (measured as NO ₂ -)	0.2 U				
Phosphate	0.4 U				
Sulfate	10.9				
Dioxins/Furans					
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.00000000034965				
Disinfectants					
Chlorine (as Cl ₂)	0.1				
Disinfection Byproducts					
Total Trihalomethanes	0.00144				
Field Parameters					
Dissolved Oxygen	7.88				
Oxidation Reduction Potential	574				
pH	6.83				
Salinity	--				
Specific Conductance	0.99				
Temperature	22.32				
Total Dissolved Solids	--				
Total Solids	--				
Turbidity	--				
Inorganics					
Aluminum	0.0022 U				
Antimony	0.00014 U				
Arsenic	0.0037				
Barium	0.0169				
Beryllium	0.00003 U				
Cadmium (Diet)	--				
Cadmium (Water)	0.00004 U				

Attachment C - Environmental Sampling Results For Location EV11

Chemical	Sample Results for: EV11TW001	Tap Water - mg/L			
Chromium	0.000868				
Cobalt	0.0000939				
Copper	0.0356				
Iron	0.00472				
Lead	0.000697				
Manganese (Diet)	--				
Manganese (Water)	0.000273				
Mercury	0.000015 U				
Nickel	0.000961				
Selenium	0.000234				
Silver	0.00012 U				
Thallium	0.00004 U				
Tin	0.0001 U				
Vanadium	0.00306				
Zinc	0.173				
Microorganisms					
Fecal Coliform	1 <				
Fecal Streptococcus	0				
Heterotrophic Plate Count	0				
Total Coliforms (including Fecal Coliform and E. Coli)	1 <				
Pesticides					
4,4-DDD	0.000003 U				
4,4-DDE	0.000002 UJ				
4,4-DDT	0.000006 U				
Aldrin	0.000002 UJ				
alpha-BHC	0.000003 UJ				
alpha-Chlordane	0.000003 UJ				
beta-BHC	0.000002 UJ				
Chlordane	--				
delta-BHC	0.000001 U				
Dieldrin	0.000003 UJ				
Endosulfan I	0.000003 UJ				
Endosulfan II	0.000002 UJ				
Endosulfan Sulfate	0.000007 UJ				
Endrin	0.000002 UJ				
Endrin Aldehyde	0.000002 UJ				

Attachment C - Environmental Sampling Results For Location EV11

	Sample Results for: EV11TW001	Tap Water - mg/L			
Chemical					
gamma-BHC (Lindane)	0.000001 U				
gamma-Chlordane	0.000002 UJ				
Heptachlor	0.000004 UJ				
Heptachlor Epoxide	0.000004 UJ				
Methoxychlor	0.000003 UJ				
Toxaphene	0.00001 U				
Polychlorinated bi-phenyls					
Aroclor 1016	0.00002 UJ				
Aroclor 1016/1260	--				
Aroclor 1221	0.00002 UJ				
Aroclor 1232	0.00002 UJ				
Aroclor 1242	0.00002 UJ				
Aroclor 1248	0.00002 UJ				
Aroclor 1254	0.00002 UJ				
Aroclor 1260	0.00002 UJ				
Radionuclides					
Uranium	0.00135				
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	0.000194 UJ				
1,2,4,5-Tetrachlorobenzene	0.000194 U				
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	0.000971 U				
2,6-Dichlorophenol	--				
2,6-Dinitrotoluene	0.0000971 U				
2-Chloronaphthalene	0.000194 U				
2-Chlorophenol	--				
2-Methylnaphthalene	0.000194 U				
2-Methylphenol (o-Cresol)	--				
2-Nitrophenol	--				
3&4-Methylphenol	--				
3-Methylphenol	--				
3-Nitroaniline	0.000971 U				

Attachment C - Environmental Sampling Results For Location EV11

Chemical	Sample Results for: EV11TW001	Tap Water - mg/L			
4,6-Dinitro-2-Methylphenol	--				
4-Bromophenylphenylether	0.0000971 U				
4-Chloro-3-Methylphenol	--				
4-Chloroaniline	0.0000971 U				
4-Methylphenol (p-Cresol)	--				
4-Nitroaniline	0.0000971 U				
4-Nitrophenol	--				
Acenaphthene	0.0000971 U				
Acenaphthylene	0.0000971 U				
Aniline	0.0000971 U				
Anthracene	0.0000971 U				
Atrazine	0.0000971 U				
Benzo(g,h,i)perylene	0.0000971 U				
Bis(2-ethylhexyl)phthalate	0.00136 U				
Butylbenzylphthalate	0.0000971 U				
Carbazole	0.0000971 U				
Di-n-butylphthalate	0.00126 U				
Di-n-octylphthalate	0.000194 UJ				
Dibenzofuran	0.0000971 U				
Diethylphthalate	0.000194 U				
Dimethylphthalate	0.0000971 U				
Diphenylamine	0.0000971 U				
Fluoranthene	0.0000971 U				
Fluorene	0.0000971 U				
Hexachlorobenzene	0.0000971 U				
Hexachlorobutadiene	0.000194 U				
Hexachlorocyclopentadiene	0.000971 U				
Hexachloroethane	0.0000971 U				
Naphthalene	0.000194 U				
Nitrobenzene	0.000194 U				
o-Toluidine	0.00068 U				
Pentachlorobenzene	0.000194 U				
Pentachloronitrobenzene	0.000003 UJ				
Pentachlorophenol	--				
Phenanthrene	0.0000971 U				
Phenol	--				

Attachment C - Environmental Sampling Results For Location EV11

	Chemical	Tap Water - mg/L				
		Sample Results for: EV11TW001				
Pyrene		0.0000971 U				
Total Carcinogenic PAHS (BaP TEQs)		0.00011652 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)		--				
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 EV11

Chemical	Tap Water - mg/L				
	Sample Results for: EV11TW001				
Acetaldehyde	--				
Acetone	0.001 U				
Acetonitrile	--				
Acetophenone	--				
Acrolein	--				
Acrylonitrile	--				
Benzene	0.00005 U				
Bis(2-Chloroethyl)ether	--				
Bis(chloromethyl)ether	--				
Bromochloromethane	0.0001 U				
Bromodichloromethane	0.00012 U				
Bromoform	0.00144				
Bromomethane	0.00037 U				
Carbon Disulfide	--				
Carbon Tetrachloride	0.00008 U				
Chlorobenzene	0.00012 U				
Chloroethane	0.00018 U				
Chloroform	0.00009 U				
Chloromethane	0.00021 U				
Chloroprene	--				
cis-1,2-Dichloroethene	0.00013 U				
cis-1,3-Dichloropropene	0.00015 U				
Cyclohexane	--				
Dibromochloromethane	0.00014 U				
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 EV11

Chemical	Sample Results for: EV11TW001	Tap Water - mg/L			
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 Streptococcus 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 EV12

Chemical	Soil - mg/kg				
	Sample Results for: EV12SS0010006				
Alkane Hydrocarbon					
Octane	--				
Pentadecane	--				
Tridecane	--				
Undecane	--				
Anion					
Chloride	--				
Cyanide	0.157 U				
Fluoride	--				
Nitrate (measured as NO ₃ -)	--				
Nitrite (measured as NO ₂ -)	--				
Phosphate	--				
Sulfate	--				
Dioxins/Furans					
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.0000004387				
Disinfectants					
Chlorine (as Cl ₂)	--				
Disinfection Byproducts					
Total Trihalomethanes	--				
Field Parameters					
Dissolved Oxygen	--				
Oxidation Reduction Potential	--				
pH	--				
Salinity	--				
Specific Conductance	--				
Temperature	--				
Total Dissolved Solids	--				
Total Solids	78.2				
Turbidity	--				
Inorganics					
Aluminum	36900				
Antimony	0.39				
Arsenic	13				
Barium	271				
Beryllium	5				
Cadmium (Diet)	0.25				
Cadmium (Water)	--				

Attachment C - Environmental Sampling Results For Location EV12

Chemical	Sample Results for: EV12SS0010006	Soil - mg/kg			
Chromium	5.4				
Cobalt	5.5				
Copper	22				
Iron	18300				
Lead	33				
Manganese (Diet)	521				
Manganese (Water)	--				
Mercury	0.0971 U				
Nickel	7.3				
Selenium	0.092				
Silver	0.1				
Thallium	1.5 U				
Tin	2.4				
Vanadium	46				
Zinc	55				
Microorganisms					
Fecal Coliform	--				
Fecal Streptococcus	--				
Heterotrophic Plate Count	--				
Total Coliforms (including Fecal Coliform and E. Coli)	--				
Pesticides					
4,4-DDD	0.000452 UJ				
4,4-DDE	0.000444 UJ				
4,4-DDT	0.000595 UJ				
Aldrin	0.00036 UJ				
alpha-BHC	0.000444 UJ				
alpha-Chlordane	0.00036 UJ				
beta-BHC	0.000544 UJ				
Chlordane	--				
delta-BHC	0.000494 UJ				
Dieldrin	0.000503 UJ				
Endosulfan I	0.000452 UJ				
Endosulfan II	0.00036 UJ				
Endosulfan Sulfate	0.000511 UJ				
Endrin	0.000578 UJ				
Endrin Aldehyde	0.000519 UJ				

Attachment C - Environmental Sampling Results For Location EV12

Chemical	Sample Results for: EV12SS0010006	Soil - mg/kg			
gamma-BHC (Lindane)	0.000427 UJ				
gamma-Chlordane	0.000394 UJ				
Heptachlor	0.000511 UJ				
Heptachlor Epoxide	0.000394 UJ				
Methoxychlor	0.000637 UJ				
Toxaphene	0.00643 UJ				
Polychlorinated bi-phenyls					
Aroclor 1016	0.0075 UJ				
Aroclor 1016/1260	--				
Aroclor 1221	0.0075 UJ				
Aroclor 1232	0.0075 UJ				
Aroclor 1242	0.0075 UJ				
Aroclor 1248	0.0075 UJ				
Aroclor 1254	0.0075 UJ				
Aroclor 1260	0.0075 UJ				
Radionuclides					
Uranium	--				
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	0.0184 U				
1,2,4,5-Tetrachlorobenzene	0.0147 U				
2,3,4,6-Tetrachlorophenol	0.0872 U				
2,4,5-Trichlorophenol	0.151 U				
2,4,6-Trichlorophenol	0.081 U				
2,4-Dichlorophenol	0.0945 U				
2,4-Dimethylphenol	0.182 U				
2,4-Dinitrophenol	0.0675 UJ				
2,4-Dinitrotoluene	0.0221 U				
2,6-Dichlorophenol	0.0577 U				
2,6-Dinitrotoluene	0.0184 U				
2-Chloronaphthalene	0.00982 U				
2-Chlorophenol	0.0614 U				
2-Methylnaphthalene	0.0209 U				
2-Methylphenol (o-Cresol)	0.123 U				
2-Nitrophenol	0.0773 U				
3&4-Methylphenol	0.141 U				
3-Methylphenol	--				
3-Nitroaniline	0.0221 U				

Attachment C - Environmental Sampling Results For Location EV12

Chemical	Sample Results for: EV12SS0010006	Soil - mg/kg			
4,6-Dinitro-2-Methylphenol	0.0822 U				
4-Bromophenylphenylether	0.0147 U				
4-Chloro-3-Methylphenol	0.108 U				
4-Chloroanalanine	0.0282 U				
4-Methylphenol (p-Cresol)	--				
4-Nitroaniline	0.054 U				
4-Nitrophenol	0.145 U				
Acenaphthene	0.0123 U				
Acenaphthylene	0.011 U				
Aniline	0.0246 U				
Anthracene	0.0147 U				
Atrazine	0.0319 U				
Benzo(g,h,i)perylene	0.0344 U				
Bis(2-ethylhexyl)phthalate	0.129 U				
Butylbenzylphthalate	0.0368 U				
Carbazole	0.0221 U				
Di-n-butylphthalate	0.0528 U				
Di-n-octylphthalate	0.0246 U				
Dibenzofuran	0.0123 U				
Diethylphthalate	0.0209 U				
Dimethylphthalate	0.016 U				
Diphenylamine	0.0638 U				
Fluoranthene	0.0233 U				
Fluorene	0.0147 U				
Hexachlorobenzene	0.0135 U				
Hexachlorobutadiene	0.0123 U				
Hexachlorocyclopentadiene	0.0172 U				
Hexachloroethane	0.0135 U				
Naphthalene	0.00736 U				
Nitrobenzene	0.0184 U				
o-Toluidine	0.0221 U				
Pentachlorobenzene	0.0344 U				
Pentachloronitrobenzene	0.000419 UJ				
Pentachlorophenol	0.189 U				
Phenanthrene	0.0368 U				
Phenol	0.0417 U				

Attachment C - Environmental Sampling Results For Location EV12

Chemical	Sample Results for: EV12SS0010006	Soil - mg/kg			
Pyrene	0.0221 U				
Total Carcinogenic PAHS (BaP TEQs)	0.053057 U				
Total Petroleum Hydrocarbon					
Tph (c03-c20)	--				
Tph (c08-c40)	--				
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	0.000432 UJ				
1,1,1-Trichloroethane	0.000576 UJ				
1,1,2,2-Tetrachloroethane	0.000288 UJ				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.00101 UJ				
1,1,2-Trichloroethane	0.000432 UJ				
1,1-Dichloroethane	0.00101 UJ				
1,1-Dichloroethene	0.00072 UJ				
1,2,3-Trichlorobenzene	0.00072 UJ				
1,2,3-Trichloropropane	0.000432 UJ				
1,2,4-Trichlorobenzene	0.000432 UJ				
1,2,4-Trimethylbenzene	0.000576 UJ				
1,2-Dibromo-3-Chloropropane	0.000576 UJ				
1,2-Dibromoethane	0.000144 UJ				
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	0.000864 UJ				
1,2-Dichlorobenzene	0.000144 UJ				
1,2-Dichloroethane	0.000288 UJ				
1,2-Dichloropropane	0.000432 UJ				
1,3,5-Trimethylbenzene	0.000288 UJ				
1,3-Butadiene	--				
1,3-Dichlorobenzene	0.000288 UJ				
1,3-Dichloropropane	0.000288 UJ				
1,4-Dichlorobenzene	0.000144 UJ				
2,2-Dichloropropane	0.00072 UJ				
2-Butanone (methyl ethyl ketone)	0.00259 UJ				
2-Chlorotoluene	0.000432 UJ				
2-Hexanone	0.00144 UJ				
4-Chlorotoluene	0.000288 UJ				
4-Isopropyltoluene	0.000781 J				
4-Methyl-2-Pentanone	0.000432 UJ				
Acetaldehyde	--				

Attachment C - Environmental Sampling Results For Location EV12

Chemical	Sample Results for: EV12SS0010006	Soil - mg/kg			
Acetone	0.00835 J				
Acetonitrile	--				
Acetophenone	--				
Acrolein	--				
Acrylonitrile	--				
Benzene	0.000432 UJ				
Bis(2-Chloroethyl)ether	--				
Bis(chloromethyl)ether	--				
Bromochloromethane	0.000576 UJ				
Bromodichloromethane	0.000576 UJ				
Bromoform	0.000288 UJ				
Bromomethane	0.00432 UJ				
Carbon Disulfide	--				
Carbon Tetrachloride	0.000576 UJ				
Chlorobenzene	0.000652 J				
Chloroethane	0.000576 UJ				
Chloroform	0.00101 UJ				
Chloromethane	0.0013 UJ				
Chloroprene	--				
cis-1,2-Dichloroethene	0.00101 UJ				
cis-1,3-Dichloropropene	0.000144 UJ				
Cyclohexane	--				
Dibromochloromethane	0.000144 UJ				
Dibromomethane	--				
Dichlorodifluoromethane (Freon 12)	0.000432 UJ				
Ethylbenzene	0.00101 J				
Formaldehyde	--				
Hexane	--				
Isobutyl Alcohol	--				
Isophorone	--				
Isopropylbenzene	0.000933 J				
m,p-Xylenes	0.0014 J				
Methyl Acetate	--				
Methyl tert-Butyl Ether	0.00072 UJ				
Methylcyclohexane	--				
Methylene Chloride	0.00144 UJ				

Attachment C - Environmental Sampling Results For Location EV12

Chemical	Sample Results for: EV12SS0010006	Soil - mg/kg			
n-Butylbenzene	0.000426 J				
n-Propylbenzene	0.000631 J				
o-Xylene	0.000692 J				
Pentachloroethane	--				
sec-Butylbenzene	0.000713 J				
Styrene	0.00059 J				
tert-Butylbenzene	0.000852 J				
Tetrachloroethene	0.000864 UJ				
Toluene	0.00218 J				
trans-1,2-Dichloroethene	0.000864 UJ				
trans-1,3-Dichloropropene	0.000432 UJ				
Trans-1,4-Dichloro-2-Butene	--				
Trichloroethene	0.00072 UJ				
Trichlorofluoromethane	0.00115 UJ				
Vinyl Acetate	--				
Vinyl Chloride	0.000576 UJ				
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 EV12

	Soil Gas - mg/m3				
	Sample Results for: EV12SG0010018				
Chemical					
Alkane Hydrocarbon					
Octane	0.001253153 U				
Pentadecane	0.002624825				
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 EV12

	Soil Gas - mg/m3				
	Sample Results for: EV12SG0010018				
Chemical					
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 EV12

	Soil Gas - mg/m3				
	Sample Results for: EV12SG0010018				
Chemical					
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 EV12

Chemical	Soil Gas - mg/m3				
	Sample Results for: EV12SG0010018				
4,6-Dinitro-2-Methylphenol	--				
4-Bromophenylphenylether	--				
4-Chloro-3-Methylphenol	--				
4-Chloroaniline	--				
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 EV12

	Chemical	Soil Gas - mg/m3				
		Sample Results for: EV12SG0010018				
Pyrene	0.002090164 U					
Total Carcinogenic PAHS (BaP TEQs)	--					
Total Petroleum Hydrocarbon						
Tph (c03-c20)	0.537996437					
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 EV12

Chemical	Soil Gas - mg/m3				
	Sample Results for: EV12SG0010018				
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 EV12

Chemical	Soil Gas - mg/m3				
	Sample Results for: EV12SG0010018				
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 Streptococcus 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 EV12

Chemical	Sample Results for: EV12TW001	Tap Water - mg/L			
Alkane Hydrocarbon					
Octane	--				
Pentadecane	--				
Tridecane	--				
Undecane	--				
Anion					
Chloride	33.2 J				
Cyanide	0.004 U				
Fluoride	0.215				
Nitrate (measured as NO ₃ -)	7.99 J				
Nitrite (measured as NO ₂ -)	0.2 U				
Phosphate	0.4 U				
Sulfate	10.6 J				
Dioxins/Furans					
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.0000000165568				
Disinfectants					
Chlorine (as Cl ₂)	0.1				
Disinfection Byproducts					
Total Trihalomethanes	0.001844				
Field Parameters					
Dissolved Oxygen	8.460000000000001				
Oxidation Reduction Potential	613				
pH	7.22				
Salinity	--				
Specific Conductance	0.95				
Temperature	23.06				
Total Dissolved Solids	--				
Total Solids	--				
Turbidity	1				
Inorganics					
Aluminum	0.0022 U				
Antimony	0.00014 U				
Arsenic	0.00421				
Barium	0.0163				
Beryllium	0.00003 U				
Cadmium (Diet)	--				
Cadmium (Water)	0.00004 U				

Attachment C - Environmental Sampling Results For Location EV12

Chemical	Sample Results for: EV12TW001	Tap Water - mg/L			
Chromium	0.000804				
Cobalt	0.0001				
Copper	0.168 J				
Iron	0.00574				
Lead	0.00144				
Manganese (Diet)	--				
Manganese (Water)	0.000348				
Mercury	0.000015 U				
Nickel	0.00216				
Selenium	0.000274				
Silver	0.00012 U				
Thallium	0.00004 U				
Tin	0.0001 U				
Vanadium	0.00174				
Zinc	0.194 J				
Microorganisms					
Fecal Coliform	1 <				
Fecal Streptococcus	0				
Heterotrophic Plate Count	0				
Total Coliforms (including Fecal Coliform and E. Coli)	1 <				
Pesticides					
4,4-DDD	0.000003 U				
4,4-DDE	0.000002 UJ				
4,4-DDT	0.000006 U				
Aldrin	0.000002 UJ				
alpha-BHC	0.000003 UJ				
alpha-Chlordane	0.000003 UJ				
beta-BHC	0.000002 UJ				
Chlordane	--				
delta-BHC	0.000001 U				
Dieldrin	0.000003 UJ				
Endosulfan I	0.000003 UJ				
Endosulfan II	0.000002 UJ				
Endosulfan Sulfate	0.000007 UJ				
Endrin	0.000002 UJ				
Endrin Aldehyde	0.000002 UJ				

Attachment C - Environmental Sampling Results For Location EV12

	Sample Results for: EV12TW001	Tap Water - mg/L			
Chemical					
gamma-BHC (Lindane)	0.000001 U				
gamma-Chlordane	0.000002 UJ				
Heptachlor	0.000004 UJ				
Heptachlor Epoxide	0.000004 UJ				
Methoxychlor	0.000003 UJ				
Toxaphene	0.00001 U				
Polychlorinated bi-phenyls					
Aroclor 1016	0.00002 UJ				
Aroclor 1016/1260	--				
Aroclor 1221	0.00002 UJ				
Aroclor 1232	0.00002 UJ				
Aroclor 1242	0.00002 UJ				
Aroclor 1248	0.00002 UJ				
Aroclor 1254	0.00002 UJ				
Aroclor 1260	0.00002 UJ				
Radionuclides					
Uranium	0.00145				
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	0.000201 U				
1,2,4,5-Tetrachlorobenzene	0.000201 U				
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	0.001 U				
2,6-Dichlorophenol	--				
2,6-Dinitrotoluene	0.0001 U				
2-Chloronaphthalene	0.000201 U				
2-Chlorophenol	--				
2-Methylnaphthalene	0.000201 U				
2-Methylphenol (o-Cresol)	--				
2-Nitrophenol	--				
3&4-Methylphenol	--				
3-Methylphenol	--				
3-Nitroaniline	0.001 U				

Attachment C - Environmental Sampling Results For Location EV12

Chemical	Sample Results for: EV12TW001	Tap Water - mg/L			
4,6-Dinitro-2-Methylphenol	--				
4-Bromophenylphenylether	0.0001 U				
4-Chloro-3-Methylphenol	--				
4-Chloroaniline	0.001 U				
4-Methylphenol (p-Cresol)	--				
4-Nitroaniline	0.001 U				
4-Nitrophenol	--				
Acenaphthene	0.0001 U				
Acenaphthylene	0.0001 U				
Aniline	0.001 UJ				
Anthracene	0.0001 U				
Atrazine	0.0001 U				
Benzo(g,h,i)perylene	0.0001 U				
Bis(2-ethylhexyl)phthalate	0.00141 U				
Butylbenzylphthalate	0.0001 U				
Carbazole	0.0001 U				
Di-n-butylphthalate	0.00131 U				
Di-n-octylphthalate	0.000201 UJ				
Dibenzofuran	0.0001 U				
Diethylphthalate	0.000201 U				
Dimethylphthalate	0.0001 U				
Diphenylamine	0.0001 U				
Fluoranthene	0.0001 U				
Fluorene	0.0001 U				
Hexachlorobenzene	0.0001 U				
Hexachlorobutadiene	0.000201 U				
Hexachlorocyclopentadiene	0.001 U				
Hexachloroethane	0.0001 U				
Naphthalene	0.000201 U				
Nitrobenzene	0.000201 U				
o-Toluidine	0.000703 U				
Pentachlorobenzene	0.000201 U				
Pentachloronitrobenzene	0.000003 UJ				
Pentachlorophenol	--				
Phenanthrene	0.0001 U				
Phenol	--				

Attachment C - Environmental Sampling Results For Location EV12

Chemical	Sample Results for: EV12TW001	Tap Water - mg/L			
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)	--				
1,2-Dichlorobenzene	0.00007 U				
1,2-Dichloroethane	0.00008 U				
1,2-Dichloropropane	0.00015 U				
1,3,5-Trimethylbenzene	0.00008 UJ				
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 EV12

Chemical	Tap Water - mg/L				
	Sample Results for: EV12TW001				
Acetaldehyde	--				
Acetone	0.001 U				
Acetonitrile	--				
Acetophenone	--				
Acrolein	--				
Acrylonitrile	--				
Benzene	0.00005 U				
Bis(2-Chloroethyl)ether	--				
Bis(chloromethyl)ether	--				
Bromochloromethane	0.0001 U				
Bromodichloromethane	0.00012 U				
Bromoform	0.00163				
Bromomethane	0.00037 U				
Carbon Disulfide	--				
Carbon Tetrachloride	0.00008 U				
Chlorobenzene	0.00012 U				
Chloroethane	0.00018 U				
Chloroform	0.00009 U				
Chloromethane	0.00021 U				
Chloroprene	--				
cis-1,2-Dichloroethene	0.00013 U				
cis-1,3-Dichloropropene	0.00015 U				
Cyclohexane	--				
Dibromochloromethane	0.000214 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 EV12

Chemical	Sample Results for: EV12TW001	Tap Water - mg/L			
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	--				
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 Streptococcus 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 EV01

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
			NonCancer	Cancer	NCEF	CEF
Alkane Hydrocarbon						
Octane	--	--	--	--	--	--
Pentadecane	--	--	--	--	--	--
Tridecane	--	--	--	--	--	--
Undecane	--	--	--	--	--	--
Anion						
Chloride	--	--	--	--	--	--
Cyanide	--	--	1600	--	--	--
Fluoride	--	--	--	--	--	--
Nitrate (measured as NO ₃ -)	--	--	572000	--	--	--
Nitrite (measured as NO ₂ -)	--	--	25740	--	--	--
Phosphate	--	--	--	--	--	--
Sulfate	--	--	--	--	--	--
Dioxins/Furans						
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.000000215	--	0.000072	0.0000045	0.003	0.05
Disinfectants						
Chlorine (as Cl ₂)	--	--	--	--	--	--
Disinfection Byproducts						
Total Trihalomethanes	--	--	--	--	--	--
Field Parameters						
Dissolved Oxygen	--	--	--	--	--	--
Oxidation Reduction Potential	--	--	--	--	--	--
pH	--	--	--	--	--	--
Salinity	--	--	--	--	--	--
Specific Conductance	--	--	--	--	--	--
Temperature	--	--	--	--	--	--
Total Dissolved Solids	--	--	--	--	--	--
Total Solids	75.40000000000001	--	--	--	--	--
Turbidity	--	--	--	--	--	--
Inorganics						
Aluminum	37200	86900	77000	--	0.5	--
Antimony	0.485	42.8	31	--	0.02	--
Arsenic	11.8	164	22	0.39	0.5	30.3
Barium	265	1813	15000	--	0.02	--
Beryllium	4.85	--	160	1400	0.03	0.003
Cadmium (Diet)	0.24	10.6	70	1800	0.003	0.0001

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location EV01

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
			NonCancer	Cancer	NCEF	CEF
Cadmium (Water)	--	--	--	--	--	--
Chromium	3.97	579	--	--	--	--
Cobalt	5.01	36.6	--	--	--	--
Copper	23.6	3965	3100	--	0.008	--
Iron	18000	154600	55000	--	0.3	--
Lead	34	2052	400	--	0.09	--
Manganese (Diet)	561	5923	--	--	--	--
Manganese (Water)	--	--	1800	--	--	--
Mercury	--	2.66	6.7	--	--	--
Nickel	4.96	689	1600	--	0.003	--
Selenium	0.108	1.9	390	--	0.0003	--
Silver	--	8.132	390	--	--	--
Thallium	1.63	69	5.1	--	0.3	--
Tin	2.38	--	47000	--	0.00005	--
Vanadium	37.9	187	550	--	0.07	--
Zinc	63.6	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 EV01

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		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 EV01

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
	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-Chloroaniline	--	--	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 EV01

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		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 EV01

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
			NonCancer	Cancer	NCEF	CEF
2-Chlorotoluene	--	--	1600	--	--	--
2-Hexanone	--	--	--	--	--	--
4-Chlorotoluene	--	--	5500	--	--	--
4-Isopropyltoluene	--	--	--	--	--	--
4-Methyl-2-Pentanone	--	--	5300	--	--	--
Acetaldehyde	--	--	89	11	--	--
Acetone	0.104	--	61000	--	0.000002	--
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 EV01

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
			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	30.3
			BACKGROUND RISK		1.9	30.3
			INCREMENTAL RISK		0.03	0.05

-- = 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 1×10^{-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 metropolitan 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 Streptococcus 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 EV02

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
			NonCancer	Cancer	NCEF	CEF
Alkane Hydrocarbon						
Octane	--	--	--	--	--	--
Pentadecane	--	--	--	--	--	--
Tridecane	--	--	--	--	--	--
Undecane	--	--	--	--	--	--
Anion						
Chloride	--	--	--	--	--	--
Cyanide	--	--	1600	--	--	--
Fluoride	--	--	--	--	--	--
Nitrate (measured as NO ₃ -)	--	--	572000	--	--	--
Nitrite (measured as NO ₂ -)	--	--	25740	--	--	--
Phosphate	--	--	--	--	--	--
Sulfate	--	--	--	--	--	--
Dioxins/Furans						
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.0000003746	--	0.000072	0.0000045	0.005	0.08
Disinfectants						
Chlorine (as Cl ₂)	--	--	--	--	--	--
Disinfection Byproducts						
Total Trihalomethanes	--	--	--	--	--	--
Field Parameters						
Dissolved Oxygen	--	--	--	--	--	--
Oxidation Reduction Potential	--	--	--	--	--	--
pH	--	--	--	--	--	--
Salinity	--	--	--	--	--	--
Specific Conductance	--	--	--	--	--	--
Temperature	--	--	--	--	--	--
Total Dissolved Solids	--	--	--	--	--	--
Total Solids	82.0999999999999	--	--	--	--	--
Turbidity	--	--	--	--	--	--
Inorganics						
Aluminum	41400	86900	77000	--	0.5	--
Antimony	0.195	42.8	31	--	0.006	--
Arsenic	12.9	164	22	0.39	0.6	33.1
Barium	293	1813	15000	--	0.02	--
Beryllium	5.22	--	160	1400	0.03	0.004
Cadmium (Diet)	0.282	10.6	70	1800	0.004	0.0002

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location EV02

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
			NonCancer	Cancer	NCEF	CEF
Cadmium (Water)	--	--	--	--	--	--
Chromium	5.8	579	--	--	--	--
Cobalt	6.09	36.6	--	--	--	--
Copper	36.6	3965	3100	--	0.01	--
Iron	19200	154600	55000	--	0.3	--
Lead	44.3	2052	400	--	0.1	--
Manganese (Diet)	651	5923	--	--	--	--
Manganese (Water)	--	--	1800	--	--	--
Mercury	--	2.66	6.7	--	--	--
Nickel	7.55	689	1600	--	0.005	--
Selenium	0.21	1.9	390	--	0.0005	--
Silver	0.141	8.132	390	--	0.0004	--
Thallium	2.37	69	5.1	--	0.5	--
Tin	2.67	--	47000	--	0.00006	--
Vanadium	44.3	187	550	--	0.08	--
Zinc	66.7	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 EV02

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		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 EV02

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
	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-Chloroaniline	--	--	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 EV02

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		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 EV02

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
			NonCancer	Cancer	NCEF	CEF
2-Chlorotoluene	--	--	1600	--	--	--
2-Hexanone	--	--	--	--	--	--
4-Chlorotoluene	--	--	5500	--	--	--
4-Isopropyltoluene	--	--	--	--	--	--
4-Methyl-2-Pentanone	--	--	5300	--	--	--
Acetaldehyde	--	--	89	11	--	--
Acetone	0.00881	--	61000	--	0.0000001	--
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 EV02

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
			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	33.2
			BACKGROUND RISK		2.2	33.1
			INCREMENTAL RISK		0.04	0.09

-- = 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 1×10^{-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 metropolitan 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 Streptococcus 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 EV03

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
			NonCancer	Cancer	NCEF	CEF
Alkane Hydrocarbon						
Octane	--	--	--	--	--	--
Pentadecane	--	--	--	--	--	--
Tridecane	--	--	--	--	--	--
Undecane	--	--	--	--	--	--
Anion						
Chloride	--	--	--	--	--	--
Cyanide	--	--	1600	--	--	--
Fluoride	--	--	--	--	--	--
Nitrate (measured as NO ₃ -)	--	--	572000	--	--	--
Nitrite (measured as NO ₂ -)	--	--	25740	--	--	--
Phosphate	--	--	--	--	--	--
Sulfate	--	--	--	--	--	--
Dioxins/Furans						
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.00000018067	--	0.000072	0.0000045	0.003	0.04
Disinfectants						
Chlorine (as Cl ₂)	--	--	--	--	--	--
Disinfection Byproducts						
Total Trihalomethanes	--	--	--	--	--	--
Field Parameters						
Dissolved Oxygen	--	--	--	--	--	--
Oxidation Reduction Potential	--	--	--	--	--	--
pH	--	--	--	--	--	--
Salinity	--	--	--	--	--	--
Specific Conductance	--	--	--	--	--	--
Temperature	--	--	--	--	--	--
Total Dissolved Solids	--	--	--	--	--	--
Total Solids	87.7	--	--	--	--	--
Turbidity	--	--	--	--	--	--
Inorganics						
Aluminum	39200	86900	77000	--	0.5	--
Antimony	0.417	42.8	31	--	0.01	--
Arsenic	12.2	164	22	0.39	0.6	31.3
Barium	314	1813	15000	--	0.02	--
Beryllium	4.79	--	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 EV03

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
			NonCancer	Cancer	NCEF	CEF
Cadmium (Water)	--	--	--	--	--	--
Chromium	3.88	579	--	--	--	--
Cobalt	4.98	36.6	--	--	--	--
Copper	16.8	3965	3100	--	0.005	--
Iron	18900	154600	55000	--	0.3	--
Lead	28.6	2052	400	--	0.07	--
Manganese (Diet)	519	5923	--	--	--	--
Manganese (Water)	--	--	1800	--	--	--
Mercury	--	2.66	6.7	--	--	--
Nickel	4.3	689	1600	--	0.003	--
Selenium	0.537	1.9	390	--	0.001	--
Silver	--	8.132	390	--	--	--
Thallium	3.75	69	5.1	--	0.7	--
Tin	2.46	--	47000	--	0.00005	--
Vanadium	40.6	187	550	--	0.07	--
Zinc	50.8	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 EV03

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		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 EV03

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
			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-Chloroaniline	--	--	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 EV03

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		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 EV03

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
			NonCancer	Cancer	NCEF	CEF
2-Chlorotoluene	--	--	1600	--	--	--
2-Hexanone	--	--	--	--	--	--
4-Chlorotoluene	--	--	5500	--	--	--
4-Isopropyltoluene	--	--	--	--	--	--
4-Methyl-2-Pentanone	--	--	5300	--	--	--
Acetaldehyde	--	--	89	11	--	--
Acetone	0.0109	--	61000	--	0.0000002	--
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 EV03

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
			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	0.00149	--	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		2.4	31.3
			BACKGROUND RISK		2.3	31.3
			INCREMENTAL RISK		0.03	0.04

-- = 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 1×10^{-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 metropolitan 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 Streptococcus 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 EV03

Chemical	Soil Gas - mg/m3					
	Maximum Detected Concentration	USEPA RSL		USEPA RSL		
		30-Year Exposure		30-Year Exposure		
		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 EV03

Chemical	Maximum Detected Concentration	Soil Gas - mg/m3			
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
		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 EV03

Chemical	Maximum Detected Concentration	Soil Gas - mg/m3			
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
		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 EV03

Chemical	Maximum Detected Concentration	Soil Gas - mg/m3			
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
		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 EV03

Chemical	Maximum Detected Concentration	Soil Gas - mg/m3			
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
		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)	0.0161025	--	--	--	--
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 EV03

Chemical	Maximum Detected Concentration	Soil Gas - mg/m3			
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
		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 EV03

Chemical	Maximum Detected Concentration	Soil Gas - mg/m3			
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
		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 1×10^{-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 EV03

Chemical	Maximum Detected Concentration	USEPA MCL	Tap Water - mg/L									
			USEPA RSL				USEPA MCL EF	USEPA RSL				
			30-Year Exposure					Inhalation		Ingestion		
			NonCancer	Cancer	NonCancer	Cancer		Inhalation	Ingestion	Inhalation	Ingestion	
Alkane Hydrocarbon												
Octane	--	--	--	--	--	--	--	--	--	--	--	
Pentadecane	--	--	--	--	--	--	--	--	--	--	--	
Tridecane	--	--	--	--	--	--	--	--	--	--	--	
Undecane	--	--	--	--	--	--	--	--	--	--	--	
Anion												
Chloride	31.4	--	--	--	--	--	--	--	--	--	--	
Cyanide	--	0.2	--	--	--	0.73	--	--	--	--	--	
Fluoride	--	4	--	--	--	--	--	--	--	--	--	
Nitrate (measured as NO ₃ -)	7.8	44.3	--	--	--	255.2	--	0.2	--	--	0.03	
Nitrite (measured as NO ₂ -)	--	3.29	--	--	--	12.21	--	--	--	--	--	
Phosphate	--	--	--	--	--	--	--	--	--	--	--	
Sulfate	10.8	--	--	--	--	--	--	--	--	--	--	
Dioxins/Furans												
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.000000000134	0.00000003	--	--	0.000000037	0.000000005	0.004	--	--	0.004	0.3	
Disinfectants												
Chlorine (as Cl ₂)	0.02	4.01	--	--	--	--	0.005	--	--	--	--	
Disinfection Byproducts												
Total Trihalomethanes	0.00279	0.0807	--	--	--	--	0.03	--	--	--	--	
Field Parameters												
Dissolved Oxygen	7.27	--	--	--	--	--	--	--	--	--	--	
Oxidation Reduction Potential	587	--	--	--	--	--	--	--	--	--	--	
pH	7.32	--	--	--	--	--	--	--	--	--	--	
Salinity	--	--	--	--	--	--	--	--	--	--	--	
Specific Conductance	0.97	--	--	--	--	--	--	--	--	--	--	
Temperature	29	--	--	--	--	--	--	--	--	--	--	
Total Dissolved Solids	--	--	--	--	--	--	--	--	--	--	--	
Total Solids	--	--	--	--	--	--	--	--	--	--	--	
Turbidity	--	--	--	--	--	--	--	--	--	--	--	
Inorganics												
Aluminum	--	--	--	--	--	37	--	--	--	--	--	
Antimony	0.00016	0.006	--	--	--	0.015	--	0.03	--	--	0.01	
Arsenic	0.00336	0.01	--	--	--	0.011	0.000045	0.3	--	--	0.3	
Barium	0.0174	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 EV03

Chemical	Maximum Detected Concentration	USEPA MCL	Tap Water - mg/L										
			USEPA RSL				USEPA MCL EF	USEPA RSL					
			30-Year Exposure					Inhalation		Ingestion			
			NonCancer		Cancer			NonCancer	Cancer	Inhalation			
										NCEF	CEF	NCEF	CEF
Cadmium (Water)	--	0.005	--	--	--	0.018	--	--	--	--	--	--	--
Chromium	0.000632	0.1	--	--	--	--	--	0.006	--	--	--	--	--
Cobalt	0.000179	--	--	--	--	--	--	--	--	--	--	--	--
Copper	0.442	--	--	--	--	1.5	--	--	--	--	0.3	--	--
Iron	0.0198	--	--	--	--	26	--	--	--	--	0.0008	--	--
Lead	0.00124	--	--	--	--	0.02	--	--	--	--	0.06	--	--
Manganese (Diet)	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese (Water)	0.00652	--	--	--	--	0.88	--	--	--	--	0.007	--	--
Mercury	0.000025	0.002	0.00063	--	--	--	--	0.01	0.04	--	--	--	--
Nickel	0.0246	--	--	--	--	0.73	--	--	--	--	0.03	--	--
Selenium	0.000371	0.05	--	--	--	0.18	--	0.007	--	--	0.002	--	--
Silver	--	--	--	--	--	0.18	--	--	--	--	--	--	--
Thallium	--	0.002	--	--	--	0.0024	--	--	--	--	--	--	--
Tin	0.000129	--	--	--	--	22	--	--	--	--	0.000006	--	--
Vanadium	0.00425	--	--	--	--	0.26	--	--	--	--	0.02	--	--
Zinc	0.23	--	--	--	--	11	--	--	--	--	0.02	--	--
Microorganisms													
Fecal Coliform	--	0	--	--	--	--	--	--	--	--	--	--	--
Fecal Streptococcus	0	--	--	--	--	--	--	--	--	--	--	--	--
Heterotrophic Plate Count	48	--	--	--	--	--	--	--	--	--	--	--	--
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 EV03

Chemical	Maximum Detected Concentration	USEPA MCL	Tap Water - mg/L									
			USEPA RSL				USEPA MCL EF	USEPA RSL				
			30-Year Exposure					30-Year Exposure				
			Inhalation		Ingestion			Inhalation		Ingestion		
			NonCancer	Cancer	NonCancer	Cancer		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	0.00163	0.03	--	--	--	0.11	--	0.05	--	0.01	--	
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 EV03

Chemical	Maximum Detected Concentration	USEPA MCL	Tap Water - mg/L									
			USEPA RSL				USEPA MCL EF	USEPA RSL				
			30-Year Exposure					Inhalation		Ingestion		
			NonCancer		Cancer			NonCancer	Cancer	30-Year Exposure		
			NCEF	CEF	NCEF	CEF		Inhalation	Ingestion	NCEF	CEF	
2-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--	
3&4-Methylphenol	--	--	--	--	--	0.18	--	--	--	--	--	
3-Methylphenol	--	--	--	--	--	1.8	--	--	--	--	--	
3-Nitroaniline	--	--	--	--	--	--	--	--	--	--	--	
4,6-Dinitro-2-Methylphenol	--	--	--	--	--	--	--	--	--	--	--	
4-Bromophenylphenoletether	--	--	--	--	--	--	--	--	--	--	--	
4-Chloro-3-Methylphenol	--	--	--	--	--	--	--	--	--	--	--	
4-Chloroaniline	--	--	--	--	--	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 EV03

Chemical	Maximum Detected Concentration	USEPA MCL	Tap Water - mg/L									
			USEPA RSL				USEPA MCL EF	USEPA RSL				
			30-Year Exposure					30-Year Exposure				
			Inhalation		Ingestion			Inhalation		Ingestion		
			NonCancer	Cancer	NonCancer	Cancer		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 EV03

Chemical	Maximum Detected Concentration	USEPA MCL	Tap Water - mg/L									
			USEPA RSL				USEPA MCL EF	USEPA RSL				
			30-Year Exposure					Inhalation		Ingestion		
			NonCancer		Cancer			NonCancer	Cancer	30-Year Exposure		
			NCEF	CEF	NCEF	CEF		Inhalation	Ingestion	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	0.000282	--	--	--	0.73	0.0011		--	--	0.0004	0.3	
Bromoform	0.00203	--	--	--	0.73	0.0085		--	--	0.003	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	--	--	0.2	0.00021	0.37	0.0022		--	--	--	--	
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	0.000478	--	--	--	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 EV03

Chemical	Maximum Detected Concentration	USEPA MCL	Tap Water - mg/L										
			USEPA RSL				USEPA MCL EF	USEPA RSL					
			30-Year Exposure					Inhalation		Ingestion			
			NonCancer		Cancer			NonCancer	Cancer	30-Year Exposure			
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	Inhalation	Ingestion	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	0.8	76.0		
							BACKGROUND RISK	0.04	0	0.4	74.7		
							INCREMENTAL RISK	0	0	0.4	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 1×10^{-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 EV04

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
			NonCancer	Cancer	NCEF	CEF
Alkane Hydrocarbon						
Octane	--	--	--	--	--	--
Pentadecane	--	--	--	--	--	--
Tridecane	--	--	--	--	--	--
Undecane	--	--	--	--	--	--
Anion						
Chloride	--	--	--	--	--	--
Cyanide	--	--	1600	--	--	--
Fluoride	--	--	--	--	--	--
Nitrate (measured as NO ₃ -)	--	--	572000	--	--	--
Nitrite (measured as NO ₂ -)	--	--	25740	--	--	--
Phosphate	--	--	--	--	--	--
Sulfate	--	--	--	--	--	--
Dioxins/Furans						
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.0000001744	--	0.000072	0.0000045	0.002	0.04
Disinfectants						
Chlorine (as Cl ₂)	--	--	--	--	--	--
Disinfection Byproducts						
Total Trihalomethanes	--	--	--	--	--	--
Field Parameters						
Dissolved Oxygen	--	--	--	--	--	--
Oxidation Reduction Potential	--	--	--	--	--	--
pH	--	--	--	--	--	--
Salinity	--	--	--	--	--	--
Specific Conductance	--	--	--	--	--	--
Temperature	--	--	--	--	--	--
Total Dissolved Solids	--	--	--	--	--	--
Total Solids	85.3	--	--	--	--	--
Turbidity	--	--	--	--	--	--
Inorganics						
Aluminum	37700	86900	77000	--	0.5	--
Antimony	0.41	42.8	31	--	0.01	--
Arsenic	14	164	22	0.39	0.6	35.9
Barium	263	1813	15000	--	0.02	--
Beryllium	5	--	160	1400	0.03	0.004
Cadmium (Diet)	0.23	10.6	70	1800	0.003	0.0001

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location EV04

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
			NonCancer	Cancer	NCEF	CEF
Cadmium (Water)	--	--	--	--	--	--
Chromium	3.4	579	--	--	--	--
Cobalt	4.9	36.6	--	--	--	--
Copper	19	3965	3100	--	0.006	--
Iron	18200	154600	55000	--	0.3	--
Lead	30	2052	400	--	0.08	--
Manganese (Diet)	475	5923	--	--	--	--
Manganese (Water)	--	--	1800	--	--	--
Mercury	--	2.66	6.7	--	--	--
Nickel	4.8	689	1600	--	0.003	--
Selenium	0.19	1.9	390	--	0.0005	--
Silver	--	8.132	390	--	--	--
Thallium	2	69	5.1	--	0.4	--
Tin	2.3	--	47000	--	0.00005	--
Vanadium	42	187	550	--	0.08	--
Zinc	51	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 EV04

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		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 EV04

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
			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-Chloroaniline	--	--	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	0.00733	--	150	3.9	0.00005	0.002
Nitrobenzene	--	--	31	--	--	--
o-Toluidine	--	--	--	2.7	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location EV04

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		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)	0.00359	--	28000	--	0.0000001	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location EV04

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
			NonCancer	Cancer	NCEF	CEF
2-Chlorotoluene	--	--	1600	--	--	--
2-Hexanone	--	--	--	--	--	--
4-Chlorotoluene	--	--	5500	--	--	--
4-Isopropyltoluene	--	--	--	--	--	--
4-Methyl-2-Pentanone	--	--	5300	--	--	--
Acetaldehyde	--	--	89	11	--	--
Acetone	0.0366	--	61000	--	0.0000006	--
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 EV04

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
			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	0.00261	--	5000	--	0.0000005	--
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		2.1	35.9
			BACKGROUND RISK		2.0	35.9
			INCREMENTAL RISK		0.03	0.04

-- = 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 1×10^{-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 metropolitan 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 Streptococcus 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 EV04

Chemical	Soil Gas - mg/m3					
	Maximum Detected Concentration	USEPA RSL		USEPA RSL		
		30-Year Exposure		30-Year Exposure		
		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 EV04

Chemical	Maximum Detected Concentration	Soil Gas - mg/m3			
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
		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 EV04

Chemical	Maximum Detected Concentration	Soil Gas - mg/m3			
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
		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 EV04

Chemical	Maximum Detected Concentration	Soil Gas - mg/m3			
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
		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 EV04

Chemical	Maximum Detected Concentration	Soil Gas - mg/m3			
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
		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)	0.002531063	--	--	--	--
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 EV04

Chemical	Maximum Detected Concentration	Soil Gas - mg/m3			
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
		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 EV04

Chemical	Maximum Detected Concentration	Soil Gas - mg/m3			
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
		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	0.025723238	2.8	0.0041	0.009	6.3
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		0.009	6.3
		BACKGROUND RISK		0	0
		INCREMENTAL RISK		0.009	6.3

-- = 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 1×10^{-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 EV04

Chemical	Maximum Detected Concentration	USEPA MCL	Tap Water - mg/L									
			USEPA RSL				USEPA RSL					
			30-Year Exposure				30-Year Exposure					
			Inhalation		Ingestion		USEPA MCL EF	Inhalation		Ingestion		
NonCancer		Cancer		NonCancer		Cancer		NCEF		NCEF CEF		
Alkane Hydrocarbon												
Octane	--	--	--	--	--	--	--	--	--	--		
Pentadecane	--	--	--	--	--	--	--	--	--	--		
Tridecane	--	--	--	--	--	--	--	--	--	--		
Undecane	--	--	--	--	--	--	--	--	--	--		
Anion												
Chloride	31.6	--	--	--	--	--	--	--	--	--		
Cyanide	--	0.2	--	--	0.73	--	--	--	--	--		
Fluoride	0.3	4	--	--	--	--	0.08	--	--	--		
Nitrate (measured as NO ₃ -)	7.76	44.3	--	--	255.2	--	0.2	--	--	0.03		
Nitrite (measured as NO ₂ -)	--	3.29	--	--	12.21	--	--	--	--	--		
Phosphate	--	--	--	--	--	--	--	--	--	--		
Sulfate	12.3	--	--	--	--	--	--	--	--	--		
Dioxins/Furans												
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.000000000002	0.00000003	--	--	0.00000037	0.0000000005	0.00009	--	--	0.00007 0.005		
Disinfectants												
Chlorine (as Cl ₂)	--	4.01	--	--	--	--	--	--	--	--		
Disinfection Byproducts												
Total Trihalomethanes	0.002709	0.0807	--	--	--	--	0.03	--	--	--		
Field Parameters												
Dissolved Oxygen	6.89	--	--	--	--	--	--	--	--	--		
Oxidation Reduction Potential	581	--	--	--	--	--	--	--	--	--		
pH	7.3	--	--	--	--	--	--	--	--	--		
Salinity	--	--	--	--	--	--	--	--	--	--		
Specific Conductance	0.96	--	--	--	--	--	--	--	--	--		
Temperature	29.5	--	--	--	--	--	--	--	--	--		
Total Dissolved Solids	--	--	--	--	--	--	--	--	--	--		
Total Solids	--	--	--	--	--	--	--	--	--	--		
Turbidity	--	--	--	--	--	--	--	--	--	--		
Inorganics												
Aluminum	0.0068	--	--	--	37	--	--	--	0.0002	--		
Antimony	0.000389	0.006	--	--	0.015	--	0.06	--	0.03	--		
Arsenic	0.0033	0.01	--	--	0.011	0.000045	0.3	--	0.3	73.3		
Barium	0.0182	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 EV04

Chemical	Maximum Detected Concentration	USEPA MCL	Tap Water - mg/L								
			USEPA RSL				USEPA RSL				
			30-Year Exposure				30-Year Exposure				
			Inhalation		Ingestion		USEPA MCL EF	Inhalation		Ingestion	
			NonCancer	Cancer	NonCancer	Cancer		NCEF	CEF	NCEF	CEF
Cadmium (Water)	0.0000848	0.005	--	--	0.018	--	0.02	--	--	0.005	--
Chromium	0.000531	0.1	--	--	--	--	0.005	--	--	--	--
Cobalt	0.000134	--	--	--	--	--	--	--	--	--	--
Copper	0.241	--	--	--	1.5	--	--	--	--	0.2	--
Iron	0.00972	--	--	--	26	--	--	--	--	0.0004	--
Lead	0.00383	--	--	--	0.02	--	--	--	--	0.2	--
Manganese (Diet)	--	--	--	--	--	--	--	--	--	--	--
Manganese (Water)	0.00257	--	--	--	0.88	--	--	--	--	0.003	--
Mercury	0.000035	0.002	0.00063	--	--	--	0.02	0.06	--	--	--
Nickel	0.0362	--	--	--	0.73	--	--	--	--	0.05	--
Selenium	0.0003	0.05	--	--	0.18	--	0.006	--	--	0.002	--
Silver	--	--	--	--	0.18	--	--	--	--	--	--
Thallium	--	0.002	--	--	0.0024	--	--	--	--	--	--
Tin	0.000161	--	--	--	22	--	--	--	--	0.000007	--
Vanadium	0.003	--	--	--	0.26	--	--	--	--	0.01	--
Zinc	0.574	--	--	--	11	--	--	--	--	0.05	--
Microorganisms											
Fecal Coliform	--	0	--	--	--	--	--	--	--	--	--
Fecal Streptococcus	0	--	--	--	--	--	--	--	--	--	--
Heterotrophic Plate Count	23	--	--	--	--	--	--	--	--	--	--
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 EV04

Chemical	Maximum Detected Concentration	USEPA MCL	Tap Water - mg/L									
			USEPA RSL				USEPA MCL EF	USEPA RSL				
			30-Year Exposure					30-Year Exposure				
			Inhalation		Ingestion			Inhalation		Ingestion		
			NonCancer	Cancer	NonCancer	Cancer		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	0.00136	0.03	--	--	--	0.11	--	0.05	--	0.01	--	
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 EV04

Chemical	Maximum Detected Concentration	USEPA MCL	Tap Water - mg/L									
			USEPA RSL				USEPA MCL EF	USEPA RSL				
			30-Year Exposure					Inhalation		Ingestion		
			NonCancer		Cancer			NonCancer	Cancer	30-Year Exposure		
			NCEF	CEF	NCEF	CEF		Inhalation	Ingestion	NCEF	CEF	
2-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--	
3&4-Methylphenol	--	--	--	--	--	0.18	--	--	--	--	--	
3-Methylphenol	--	--	--	--	--	1.8	--	--	--	--	--	
3-Nitroaniline	--	--	--	--	--	--	--	--	--	--	--	
4,6-Dinitro-2-Methylphenol	--	--	--	--	--	--	--	--	--	--	--	
4-Bromophenylphenoletether	--	--	--	--	--	--	--	--	--	--	--	
4-Chloro-3-Methylphenol	--	--	--	--	--	--	--	--	--	--	--	
4-Chloroaniline	--	--	--	--	--	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 EV04

Chemical	Maximum Detected Concentration	USEPA MCL	Tap Water - mg/L									
			USEPA RSL				USEPA MCL EF	USEPA RSL				
			30-Year Exposure					Inhalation		Ingestion		
			NonCancer		Cancer			NonCancer	Cancer	Inhalation		
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 EV04

Chemical	Maximum Detected Concentration	USEPA MCL	Tap Water - mg/L									
			USEPA RSL				USEPA MCL EF	USEPA RSL				
			30-Year Exposure					Inhalation		Ingestion		
			NonCancer		Cancer			NonCancer	Cancer	30-Year Exposure		
			NCEF	CEF	NCEF	CEF		Inhalation	Ingestion	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	0.00167	--	64	--	33	--	--	0.00003	--	0.00005	--	
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	0.000292	--	--	--	0.73	0.0011	--	--	--	0.0004	0.3	
Bromoform	0.00194	--	--	--	0.73	0.0085	--	--	--	0.003	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	--	--	0.2	0.00021	0.37	0.0022	--	--	--	--	--	
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	0.000477	--	--	--	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 EV04

Chemical	Maximum Detected Concentration	USEPA MCL	Tap Water - mg/L										
			USEPA RSL				USEPA MCL EF	USEPA RSL					
			30-Year Exposure					Inhalation		Ingestion			
			NonCancer		Cancer			NonCancer	Cancer	30-Year Exposure			
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	Inhalation	Ingestion	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	0.06	0	0.9	74.4		
							BACKGROUND RISK	0.06	0	0.5	73.3		
							INCREMENTAL RISK	0.00003	0	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 1×10^{-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 EV05

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
			NonCancer	Cancer	NCEF	CEF
Alkane Hydrocarbon						
Octane	--	--	--	--	--	--
Pentadecane	--	--	--	--	--	--
Tridecane	--	--	--	--	--	--
Undecane	--	--	--	--	--	--
Anion						
Chloride	--	--	--	--	--	--
Cyanide	--	--	1600	--	--	--
Fluoride	--	--	--	--	--	--
Nitrate (measured as NO ₃ -)	--	--	572000	--	--	--
Nitrite (measured as NO ₂ -)	--	--	25740	--	--	--
Phosphate	--	--	--	--	--	--
Sulfate	--	--	--	--	--	--
Dioxins/Furans						
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.00000052075	--	0.000072	0.0000045	0.007	0.1
Disinfectants						
Chlorine (as Cl ₂)	--	--	--	--	--	--
Disinfection Byproducts						
Total Trihalomethanes	--	--	--	--	--	--
Field Parameters						
Dissolved Oxygen	--	--	--	--	--	--
Oxidation Reduction Potential	--	--	--	--	--	--
pH	--	--	--	--	--	--
Salinity	--	--	--	--	--	--
Specific Conductance	--	--	--	--	--	--
Temperature	--	--	--	--	--	--
Total Dissolved Solids	--	--	--	--	--	--
Total Solids	85.5	--	--	--	--	--
Turbidity	--	--	--	--	--	--
Inorganics						
Aluminum	34200	86900	77000	--	0.4	--
Antimony	0.417	42.8	31	--	0.01	--
Arsenic	11.7	164	22	0.39	0.5	30.0
Barium	300	1813	15000	--	0.02	--
Beryllium	4.19	--	160	1400	0.03	0.003
Cadmium (Diet)	0.197	10.6	70	1800	0.003	0.0001

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location EV05

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
			NonCancer	Cancer	NCEF	CEF
Cadmium (Water)	--	--	--	--	--	--
Chromium	3.71	579	--	--	--	--
Cobalt	4.81	36.6	--	--	--	--
Copper	14.9	3965	3100	--	0.005	--
Iron	19400	154600	55000	--	0.4	--
Lead	26.1	2052	400	--	0.07	--
Manganese (Diet)	462	5923	--	--	--	--
Manganese (Water)	--	--	1800	--	--	--
Mercury	--	2.66	6.7	--	--	--
Nickel	4.28	689	1600	--	0.003	--
Selenium	0.12	1.9	390	--	0.0003	--
Silver	--	8.132	390	--	--	--
Thallium	1.34	69	5.1	--	0.3	--
Tin	2.17	--	47000	--	0.00005	--
Vanadium	39.1	187	550	--	0.07	--
Zinc	56.4	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 EV05

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		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 EV05

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
			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-Chloroaniline	--	--	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 EV05

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		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 EV05

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
			NonCancer	Cancer	NCEF	CEF
2-Chlorotoluene	--	--	1600	--	--	--
2-Hexanone	--	--	--	--	--	--
4-Chlorotoluene	--	--	5500	--	--	--
4-Isopropyltoluene	--	--	--	--	--	--
4-Methyl-2-Pentanone	--	--	5300	--	--	--
Acetaldehyde	--	--	89	11	--	--
Acetone	0.0477	--	61000	--	0.0000008	--
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 EV05

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
			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	0.00113	--	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		1.8	30.1
			BACKGROUND RISK		1.8	30.0
			INCREMENTAL RISK		0.03	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 1×10^{-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 metropolitan 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 Streptococcus 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 EV05

Chemical	Soil Gas - mg/m3					
	Maximum Detected Concentration	USEPA RSL		USEPA RSL		
		30-Year Exposure		30-Year Exposure		
		NonCancer	Cancer	NCEF	CEF	
Alkane Hydrocarbon						
Octane	--	--	--	--	--	--
Pentadecane	0.001110309	--	--	--	--	--
Tridecane	0.001041796	--	--	--	--	--
Undecane	0.00104369	--	--	--	--	--
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 EV05

Chemical	Maximum Detected Concentration	Soil Gas - mg/m3			
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
		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 EV05

Chemical	Maximum Detected Concentration	Soil Gas - mg/m3			
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
		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 EV05

Chemical	Maximum Detected Concentration	Soil Gas - mg/m3			
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
		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 EV05

Chemical	Maximum Detected Concentration	Soil Gas - mg/m3			
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
		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)	0.152321281	--	--	--	--
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 EV05

Chemical	Maximum Detected Concentration	Soil Gas - mg/m3			
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
		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 EV05

Chemical	Maximum Detected Concentration	Soil Gas - mg/m3			
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
		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 1×10^{-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 EV05

Chemical	Maximum Detected Concentration	USEPA MCL	Tap Water - mg/L									
			USEPA RSL				USEPA MCL EF	USEPA RSL				
			30-Year Exposure					Inhalation		Ingestion		
			NonCancer	Cancer	NonCancer	Cancer		NonCancer	Cancer	Inhalation	Ingestion	
Alkane Hydrocarbon												
Octane	--	--	--	--	--	--	--	--	--	--	--	
Pentadecane	--	--	--	--	--	--	--	--	--	--	--	
Tridecane	--	--	--	--	--	--	--	--	--	--	--	
Undecane	--	--	--	--	--	--	--	--	--	--	--	
Anion												
Chloride	28.1	--	--	--	--	--	--	--	--	--	--	
Cyanide	--	0.2	--	--	--	0.73	--	--	--	--	--	
Fluoride	0.209	4	--	--	--	--	--	0.05	--	--	--	
Nitrate (measured as NO ₃ -)	7.26	44.3	--	--	--	255.2	--	0.2	--	--	0.03	
Nitrite (measured as NO ₂ -)	--	3.29	--	--	--	12.21	--	--	--	--	--	
Phosphate	--	--	--	--	--	--	--	--	--	--	--	
Sulfate	10.2	--	--	--	--	--	--	--	--	--	--	
Dioxins/Furans												
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.000000000053	0.00000003	--	--	--	0.00000037	0.000000005	0.002	--	--	0.001	
Disinfectants												
Chlorine (as Cl ₂)	0.1	4.01	--	--	--	--	--	0.02	--	--	--	
Disinfection Byproducts												
Total Trihalomethanes	0.00302	0.0807	--	--	--	--	--	0.04	--	--	--	
Field Parameters												
Dissolved Oxygen	8.050000000000	--	--	--	--	--	--	--	--	--	--	
Oxidation Reduction Potential	624	--	--	--	--	--	--	--	--	--	--	
pH	7.19	--	--	--	--	--	--	--	--	--	--	
Salinity	--	--	--	--	--	--	--	--	--	--	--	
Specific Conductance	0.94	--	--	--	--	--	--	--	--	--	--	
Temperature	25.8	--	--	--	--	--	--	--	--	--	--	
Total Dissolved Solids	--	--	--	--	--	--	--	--	--	--	--	
Total Solids	--	--	--	--	--	--	--	--	--	--	--	
Turbidity	--	--	--	--	--	--	--	--	--	--	--	
Inorganics												
Aluminum	--	--	--	--	--	37	--	--	--	--	--	
Antimony	0.00205	0.006	--	--	--	0.015	--	0.3	--	--	0.1	
Arsenic	0.00365	0.01	--	--	--	0.011	0.000045	0.4	--	--	0.3	
Barium	0.0147	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 EV05

Chemical	Maximum Detected Concentration	USEPA MCL	Tap Water - mg/L											
			USEPA RSL				USEPA MCL EF	USEPA RSL						
			30-Year Exposure					Inhalation		Ingestion				
			NonCancer		Cancer			NonCancer	Cancer	Inhalation				
Cadmium (Water)	0.000174	0.005	--	--	--	--	0.018	--	--	0.03	--	--	0.010	--
Chromium	0.000914	0.1	--	--	--	--	--	--	--	0.009	--	--	--	--
Cobalt	0.000387	--	--	--	--	--	--	--	--	--	--	--	--	
Copper	0.132	--	--	--	--	--	1.5	--	--	--	--	0.09	--	
Iron	0.0121	--	--	--	--	--	26	--	--	--	--	0.0005	--	
Lead	0.0126	--	--	--	--	--	0.02	--	--	--	--	0.6	--	
Manganese (Diet)	--	--	--	--	--	--	--	--	--	--	--	--	--	
Manganese (Water)	0.0308	--	--	--	--	--	0.88	--	--	--	--	0.04	--	
Mercury	0.00004	0.002	0.00063	--	--	--	--	--	0.02	0.06	--	--	--	
Nickel	0.361	--	--	--	--	--	0.73	--	--	--	--	0.5	--	
Selenium	0.00035	0.05	--	--	--	--	0.18	--	0.007	--	--	0.002	--	
Silver	--	--	--	--	--	--	0.18	--	--	--	--	--	--	
Thallium	--	0.002	--	--	--	--	0.0024	--	--	--	--	--	--	
Tin	0.000199	--	--	--	--	--	22	--	--	--	--	0.000009	--	
Vanadium	0.00351	--	--	--	--	--	0.26	--	--	--	--	0.01	--	
Zinc	0.917	--	--	--	--	--	11	--	--	--	--	0.08	--	
Microorganisms														
Fecal Coliform	--	0	--	--	--	--	--	--	--	--	--	--		
Fecal Streptococcus	0	--	--	--	--	--	--	--	--	--	--	--		
Heterotrophic Plate Count	28	--	--	--	--	--	--	--	--	--	--	--		
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 EV05

Chemical	Maximum Detected Concentration	USEPA MCL	Tap Water - mg/L									
			USEPA RSL				USEPA MCL EF	USEPA RSL				
			30-Year Exposure					30-Year Exposure				
			Inhalation		Ingestion			Inhalation		Ingestion		
			NonCancer	Cancer	NonCancer	Cancer		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	0.00151	0.03	--	--	0.11	--	0.05	--	--	0.01	--	
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 EV05

Chemical	Maximum Detected Concentration	USEPA MCL	Tap Water - mg/L									
			USEPA RSL				USEPA MCL EF	USEPA RSL				
			30-Year Exposure					Inhalation		Ingestion		
			NonCancer		Cancer			NonCancer	Cancer	30-Year Exposure		
			NCEF	CEF	NCEF	CEF		Inhalation	Ingestion	NCEF	CEF	
2-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--	
3&4-Methylphenol	--	--	--	--	--	0.18	--	--	--	--	--	
3-Methylphenol	--	--	--	--	--	1.8	--	--	--	--	--	
3-Nitroaniline	--	--	--	--	--	--	--	--	--	--	--	
4,6-Dinitro-2-Methylphenol	--	--	--	--	--	--	--	--	--	--	--	
4-Bromophenylphenoletether	--	--	--	--	--	--	--	--	--	--	--	
4-Chloro-3-Methylphenol	--	--	--	--	--	--	--	--	--	--	--	
4-Chloroaniline	--	--	--	--	--	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 EV05

Chemical	Maximum Detected Concentration	USEPA MCL	Tap Water - mg/L									
			USEPA RSL				USEPA MCL EF	USEPA RSL				
			30-Year Exposure					30-Year Exposure				
			Inhalation		Ingestion			Inhalation		Ingestion		
			NonCancer	Cancer	NonCancer	Cancer		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 EV05

Chemical	Maximum Detected Concentration	USEPA MCL	Tap Water - mg/L									
			USEPA RSL				USEPA MCL EF	USEPA RSL				
			30-Year Exposure					Inhalation		Ingestion		
			NonCancer		Cancer			NonCancer	Cancer	30-Year Exposure		
			NCEF	CEF	NCEF	CEF		Inhalation	Ingestion	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	0.000249	--	--	--	0.73	0.0011		--	--	0.0003	0.2	
Bromoform	0.00227	--	--	--	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	--	--	0.2	0.00021	0.37	0.0022		--	--	--	--	
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	0.000501	--	--	--	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 EV05

Chemical	Maximum Detected Concentration	USEPA MCL	Tap Water - mg/L										
			USEPA RSL				USEPA MCL EF	USEPA RSL					
			30-Year Exposure					Inhalation		Ingestion			
			NonCancer		Cancer			NonCancer	Cancer	30-Year Exposure			
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	Inhalation	Ingestion	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	0.06	0	1.9	82.3		
							BACKGROUND RISK	0.06	0	1.1	81.1		
							INCREMENTAL RISK	0	0	0.8	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 1×10^{-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 EV06

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
			NonCancer	Cancer	NCEF	CEF
Alkane Hydrocarbon						
Octane	--	--	--	--	--	--
Pentadecane	--	--	--	--	--	--
Tridecane	--	--	--	--	--	--
Undecane	--	--	--	--	--	--
Anion						
Chloride	--	--	--	--	--	--
Cyanide	--	--	1600	--	--	--
Fluoride	--	--	--	--	--	--
Nitrate (measured as NO ₃ -)	--	--	572000	--	--	--
Nitrite (measured as NO ₂ -)	--	--	25740	--	--	--
Phosphate	--	--	--	--	--	--
Sulfate	--	--	--	--	--	--
Dioxins/Furans						
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.00000044934	--	0.000072	0.0000045	0.006	0.10
Disinfectants						
Chlorine (as Cl ₂)	--	--	--	--	--	--
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	43100	86900	77000	--	0.6	--
Antimony	0.59	42.8	31	--	0.02	--
Arsenic	15	164	22	0.39	0.7	38.5
Barium	303	1813	15000	--	0.02	--
Beryllium	5.6	--	160	1400	0.04	0.004
Cadmium (Diet)	0.28	10.6	70	1800	0.004	0.0002

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location EV06

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
			NonCancer	Cancer	NCEF	CEF
Cadmium (Water)	--	--	--	--	--	--
Chromium	4.9	579	--	--	--	--
Cobalt	6.1	36.6	--	--	--	--
Copper	32	3965	3100	--	0.01	--
Iron	20700	154600	55000	--	0.4	--
Lead	40	2052	400	--	0.1	--
Manganese (Diet)	644	5923	--	--	--	--
Manganese (Water)	--	--	1800	--	--	--
Mercury	--	2.66	6.7	--	--	--
Nickel	6.9	689	1600	--	0.004	--
Selenium	0.14	1.9	390	--	0.0004	--
Silver	0.12	8.132	390	--	0.0003	--
Thallium	1.6	69	5.1	--	0.3	--
Tin	2.8	--	47000	--	0.00006	--
Vanadium	43	187	550	--	0.08	--
Zinc	88	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 EV06

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		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 EV06

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
			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-Chloroaniline	--	--	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 EV06

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		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)	0.00398	--	28000	--	0.0000001	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location EV06

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
			NonCancer	Cancer	NCEF	CEF
2-Chlorotoluene	--	--	1600	--	--	--
2-Hexanone	--	--	--	--	--	--
4-Chlorotoluene	--	--	5500	--	--	--
4-Isopropyltoluene	--	--	--	--	--	--
4-Methyl-2-Pentanone	--	--	5300	--	--	--
Acetaldehyde	--	--	89	11	--	--
Acetone	0.103	--	61000	--	0.000002	--
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 EV06

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
			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	0.00313	--	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		2.2	38.6
			BACKGROUND RISK		2.2	38.5
			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 1×10^{-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 metropolitan 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 Streptococcus 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 EV06

Chemical	Soil Gas - mg/m3					
	Maximum Detected Concentration	USEPA RSL		USEPA RSL		
		30-Year Exposure		30-Year Exposure		
		NonCancer	Cancer	NCEF	CEF	
Alkane Hydrocarbon						
Octane	--	--	--	--	--	--
Pentadecane	--	--	--	--	--	--
Tridecane	--	--	--	--	--	--
Undecane	0.001045199	--	--	--	--	--
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 EV06

Chemical	Maximum Detected Concentration	Soil Gas - mg/m3			
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
		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 EV06

Chemical	Maximum Detected Concentration	Soil Gas - mg/m3			
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
		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 EV06

Chemical	Maximum Detected Concentration	Soil Gas - mg/m3			
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
		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 EV06

Chemical	Maximum Detected Concentration	Soil Gas - mg/m3			
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
		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)	0.173359719	--	--	--	--
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 EV06

Chemical	Maximum Detected Concentration	Soil Gas - mg/m3			
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
		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 EV06

Chemical	Maximum Detected Concentration	Soil Gas - mg/m3			
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
		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 1×10^{-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 EV06

Chemical	Maximum Detected Concentration	USEPA MCL	Tap Water - mg/L									
			USEPA RSL				USEPA MCL EF	USEPA RSL				
			30-Year Exposure					Inhalation		Ingestion		
			NonCancer	Cancer	NonCancer	Cancer		NonCancer	Cancer	Inhalation	Ingestion	
Alkane Hydrocarbon												
Octane	--	--	--	--	--	--	--	--	--	--	--	
Pentadecane	--	--	--	--	--	--	--	--	--	--	--	
Tridecane	--	--	--	--	--	--	--	--	--	--	--	
Undecane	--	--	--	--	--	--	--	--	--	--	--	
Anion												
Chloride	27.1	--	--	--	--	--	--	--	--	--	--	
Cyanide	--	0.2	--	--	--	0.73	--	--	--	--	--	
Fluoride	0.227	4	--	--	--	--	--	0.06	--	--	--	
Nitrate (measured as NO ₃ -)	7.15	44.3	--	--	--	255.2	--	0.2	--	--	0.03	
Nitrite (measured as NO ₂ -)	--	3.29	--	--	--	12.21	--	--	--	--	--	
Phosphate	--	--	--	--	--	--	--	--	--	--	--	
Sulfate	10	--	--	--	--	--	--	--	--	--	--	
Dioxins/Furans												
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.000000000096	0.00000003	--	--	0.00000037	0.000000005	0.003	--	--	0.003	0.2	
Disinfectants												
Chlorine (as Cl ₂)	0.12	4.01	--	--	--	--	0.03	--	--	--	--	
Disinfection Byproducts												
Total Trihalomethanes	0.002534	0.0807	--	--	--	--	0.03	--	--	--	--	
Field Parameters												
Dissolved Oxygen	8.15	--	--	--	--	--	--	--	--	--	--	
Oxidation Reduction Potential	571	--	--	--	--	--	--	--	--	--	--	
pH	6.75	--	--	--	--	--	--	--	--	--	--	
Salinity	--	--	--	--	--	--	--	--	--	--	--	
Specific Conductance	1	--	--	--	--	--	--	--	--	--	--	
Temperature	24.04	--	--	--	--	--	--	--	--	--	--	
Total Dissolved Solids	--	--	--	--	--	--	--	--	--	--	--	
Total Solids	--	--	--	--	--	--	--	--	--	--	--	
Turbidity	3	--	--	--	--	--	--	--	--	--	--	
Inorganics												
Aluminum	--	--	--	--	37	--	--	--	--	--	--	
Antimony	0.00188	0.006	--	--	0.015	--	0.3	--	--	0.1	--	
Arsenic	0.00351	0.01	--	--	0.011	0.000045	0.4	--	--	0.3	78.0	
Barium	0.0179	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 EV06

Chemical	Maximum Detected Concentration	USEPA MCL	Tap Water - mg/L									
			USEPA RSL				USEPA MCL EF	USEPA RSL				
			30-Year Exposure					30-Year Exposure				
			Inhalation		Ingestion			Inhalation		Ingestion		
			NonCancer	Cancer	NonCancer	Cancer		NCEF	CEF	NCEF	CEF	
Cadmium (Water)	0.000214	0.005	--	--	0.018	--	0.04	--	--	0.01	--	
Chromium	0.000538	0.1	--	--	--	--	0.005	--	--	--	--	
Cobalt	0.000434	--	--	--	--	--	--	--	--	--	--	
Copper	0.229	--	--	--	1.5	--	--	--	--	0.2	--	
Iron	0.0358	--	--	--	26	--	--	--	--	0.001	--	
Lead	0.00895	--	--	--	0.02	--	--	--	--	0.4	--	
Manganese (Diet)	--	--	--	--	--	--	--	--	--	--	--	
Manganese (Water)	0.0215	--	--	--	0.88	--	--	--	--	0.02	--	
Mercury	0.00005	0.002	0.00063	--	--	--	0.03	0.08	--	--	--	
Nickel	0.106	--	--	--	0.73	--	--	--	--	0.1	--	
Selenium	0.000358	0.05	--	--	0.18	--	0.007	--	--	0.002	--	
Silver	0.000288	--	--	--	0.18	--	--	--	--	0.002	--	
Thallium	--	0.002	--	--	0.0024	--	--	--	--	--	--	
Tin	0.000179	--	--	--	22	--	--	--	--	0.000008	--	
Vanadium	0.0022	--	--	--	0.26	--	--	--	--	0.008	--	
Zinc	1.23	--	--	--	11	--	--	--	--	0.1	--	
Microorganisms												
Fecal Coliform	--	0	--	--	--	--	--	--	--	--	--	
Fecal Streptococcus	0	--	--	--	--	--	--	--	--	--	--	
Heterotrophic Plate Count	86	--	--	--	--	--	--	--	--	--	--	
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 EV06

Chemical	Maximum Detected Concentration	USEPA MCL	Tap Water - mg/L									
			USEPA RSL				USEPA MCL EF	USEPA RSL				
			30-Year Exposure					30-Year Exposure				
			Inhalation		Ingestion			Inhalation		Ingestion		
			NonCancer	Cancer	NonCancer	Cancer		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	0.00167	0.03	--	--	--	0.11	--	0.06	--	0.02	--	
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 EV06

Chemical	Maximum Detected Concentration	USEPA MCL	Tap Water - mg/L									
			USEPA RSL				USEPA MCL EF	USEPA RSL				
			30-Year Exposure					Inhalation		Ingestion		
			NonCancer		Cancer			NonCancer	Cancer	30-Year Exposure		
			NCEF	CEF	NCEF	CEF		Inhalation	Ingestion	NCEF	CEF	
2-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--	
3&4-Methylphenol	--	--	--	--	--	0.18	--	--	--	--	--	
3-Methylphenol	--	--	--	--	--	1.8	--	--	--	--	--	
3-Nitroaniline	--	--	--	--	--	--	--	--	--	--	--	
4,6-Dinitro-2-Methylphenol	--	--	--	--	--	--	--	--	--	--	--	
4-Bromophenylphenoletether	--	--	--	--	--	--	--	--	--	--	--	
4-Chloro-3-Methylphenol	--	--	--	--	--	--	--	--	--	--	--	
4-Chloroaniline	--	--	--	--	--	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 EV06

Chemical	Maximum Detected Concentration	USEPA MCL	Tap Water - mg/L									
			USEPA RSL				USEPA MCL EF	USEPA RSL				
			30-Year Exposure					30-Year Exposure				
			Inhalation		Ingestion			Inhalation		Ingestion		
			NonCancer	Cancer	NonCancer	Cancer		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 EV06

Chemical	Maximum Detected Concentration	USEPA MCL	Tap Water - mg/L									
			USEPA RSL				USEPA MCL EF	USEPA RSL				
			30-Year Exposure					Inhalation		Ingestion		
			NonCancer		Cancer			NonCancer	Cancer	30-Year Exposure		
			NCEF	CEF	NCEF	CEF		Inhalation	Ingestion	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	--	--	--	--	0.73	0.0011		--	--	--	--	
Bromoform	0.00232	--	--	--	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	--	--	0.2	0.00021	0.37	0.0022		--	--	--	--	
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	0.000214	--	--	--	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 EV06

Chemical	Maximum Detected Concentration	USEPA MCL	Tap Water - mg/L									
			USEPA RSL				USEPA MCL EF	USEPA RSL				
			30-Year Exposure					Inhalation		Ingestion		
			NonCancer		Cancer			NonCancer	Cancer	30-Year Exposure		
										Inhalation	Ingestion	
										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	1.4	78.7	
							BACKGROUND RISK	0.08	0	0.8	78.0	
							INCREMENTAL RISK	0	0	0.6	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 1×10^{-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 EV07

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
			NonCancer	Cancer	NCEF	CEF
Alkane Hydrocarbon						
Octane	--	--	--	--	--	--
Pentadecane	--	--	--	--	--	--
Tridecane	--	--	--	--	--	--
Undecane	--	--	--	--	--	--
Anion						
Chloride	--	--	--	--	--	--
Cyanide	--	--	1600	--	--	--
Fluoride	--	--	--	--	--	--
Nitrate (measured as NO ₃ -)	--	--	572000	--	--	--
Nitrite (measured as NO ₂ -)	--	--	25740	--	--	--
Phosphate	--	--	--	--	--	--
Sulfate	--	--	--	--	--	--
Dioxins/Furans						
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.00000008509	--	0.000072	0.0000045	0.001	0.02
Disinfectants						
Chlorine (as Cl ₂)	--	--	--	--	--	--
Disinfection Byproducts						
Total Trihalomethanes	--	--	--	--	--	--
Field Parameters						
Dissolved Oxygen	--	--	--	--	--	--
Oxidation Reduction Potential	--	--	--	--	--	--
pH	--	--	--	--	--	--
Salinity	--	--	--	--	--	--
Specific Conductance	--	--	--	--	--	--
Temperature	--	--	--	--	--	--
Total Dissolved Solids	--	--	--	--	--	--
Total Solids	75.09999999999999	--	--	--	--	--
Turbidity	--	--	--	--	--	--
Inorganics						
Aluminum	40500	86900	77000	--	0.5	--
Antimony	0.439	42.8	31	--	0.01	--
Arsenic	16.6	164	22	0.39	0.8	42.6
Barium	292	1813	15000	--	0.02	--
Beryllium	5.79	--	160	1400	0.04	0.004
Cadmium (Diet)	0.139	10.6	70	1800	0.002	0.00008

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location EV07

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
			NonCancer	Cancer	NCEF	CEF
Cadmium (Water)	--	--	--	--	--	--
Chromium	3.57	579	--	--	--	--
Cobalt	4.98	36.6	--	--	--	--
Copper	18.3	3965	3100	--	0.006	--
Iron	18000	154600	55000	--	0.3	--
Lead	35.1	2052	400	--	0.09	--
Manganese (Diet)	542	5923	--	--	--	--
Manganese (Water)	--	--	1800	--	--	--
Mercury	--	2.66	6.7	--	--	--
Nickel	4.73	689	1600	--	0.003	--
Selenium	0.116	1.9	390	--	0.0003	--
Silver	0.128	8.132	390	--	0.0003	--
Thallium	--	69	5.1	--	--	--
Tin	2.41	--	47000	--	0.00005	--
Vanadium	39.8	187	550	--	0.07	--
Zinc	52	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 EV07

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		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 EV07

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
	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-Chloroaniline	--	--	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 EV07

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		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)	0.00337	--	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 EV07

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
			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 EV07

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
			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	42.6
			BACKGROUND RISK		1.8	42.6
			INCREMENTAL RISK		0.04	0.02

-- = 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 1×10^{-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 metropolitan 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 Streptococcus 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 EV07

Chemical	Soil Gas - mg/m3					
	Maximum Detected Concentration	USEPA RSL		USEPA RSL		
		30-Year Exposure		30-Year Exposure		
		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 EV07

Chemical	Maximum Detected Concentration	Soil Gas - mg/m3			
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
		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 EV07

Chemical	Maximum Detected Concentration	Soil Gas - mg/m3			
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
		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 EV07

Chemical	Maximum Detected Concentration	Soil Gas - mg/m3			
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
		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 EV07

Chemical	Maximum Detected Concentration	Soil Gas - mg/m3			
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
		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)	0.017241631	--	--	--	--
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 EV07

Chemical	Maximum Detected Concentration	Soil Gas - mg/m3			
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
		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 EV07

Chemical	Maximum Detected Concentration	Soil Gas - mg/m3			
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
		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 1×10^{-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 EV07

Chemical	Maximum Detected Concentration	USEPA MCL	Tap Water - mg/L							
			USEPA RSL				USEPA RSL			
			30-Year Exposure				30-Year Exposure			
			Inhalation		Ingestion		USEPA MCL EF	Inhalation		Ingestion
			NonCancer	Cancer	NonCancer	Cancer		NCEF	CEF	NCEF
Alkane Hydrocarbon										
Octane	--	--	--	--	--	--	--	--	--	--
Pentadecane	--	--	--	--	--	--	--	--	--	--
Tridecane	--	--	--	--	--	--	--	--	--	--
Undecane	--	--	--	--	--	--	--	--	--	--
Anion										
Chloride	30.9	--	--	--	--	--	--	--	--	--
Cyanide	--	0.2	--	--	0.73	--	--	--	--	--
Fluoride	0.288	4	--	--	--	--	0.07	--	--	--
Nitrate (measured as NO ₃ -)	8.17	44.3	--	--	255.2	--	0.2	--	--	0.03
Nitrite (measured as NO ₂ -)	--	3.29	--	--	12.21	--	--	--	--	--
Phosphate	--	--	--	--	--	--	--	--	--	--
Sulfate	11.5	--	--	--	--	--	--	--	--	--
Dioxins/Furans										
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	--	0.00000003	--	--	0.000000037	0.0000000005	--	--	--	--
Disinfectants										
Chlorine (as Cl ₂)	0.12	4.01	--	--	--	--	0.03	--	--	--
Disinfection Byproducts										
Total Trihalomethanes	0.001986	0.0807	--	--	--	--	0.02	--	--	--
Field Parameters										
Dissolved Oxygen	8.779999999999	--	--	--	--	--	--	--	--	--
Oxidation Reduction Potential	551	--	--	--	--	--	--	--	--	--
pH	7.13	--	--	--	--	--	--	--	--	--
Salinity	--	--	--	--	--	--	--	--	--	--
Specific Conductance	1	--	--	--	--	--	--	--	--	--
Temperature	22.86	--	--	--	--	--	--	--	--	--
Total Dissolved Solids	--	--	--	--	--	--	--	--	--	--
Total Solids	--	--	--	--	--	--	--	--	--	--
Turbidity	1	--	--	--	--	--	--	--	--	--
Inorganics										
Aluminum	--	--	--	--	37	--	--	--	--	--
Antimony	0.00283	0.006	--	--	0.015	--	0.5	--	--	0.2
Arsenic	0.0036	0.01	--	--	0.011	0.000045	0.4	--	--	0.3
Barium	0.022	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 EV07

Chemical	Maximum Detected Concentration	USEPA MCL	Tap Water - mg/L									
			USEPA RSL				USEPA MCL EF	USEPA RSL				
			30-Year Exposure					30-Year Exposure				
			Inhalation		Ingestion			Inhalation		Ingestion		
			NonCancer	Cancer	NonCancer	Cancer		NCEF	CEF	NCEF	CEF	
Cadmium (Water)	0.00105	0.005	--	--	0.018	--	0.2	--	--	0.06	--	
Chromium	0.000492	0.1	--	--	--	--	0.005	--	--	--	--	
Cobalt	0.000494	--	--	--	--	--	--	--	--	--	--	
Copper	0.17	--	--	--	1.5	--	--	--	--	0.1	--	
Iron	0.0143	--	--	--	26	--	--	--	--	0.0006	--	
Lead	0.01	--	--	--	0.02	--	--	--	--	0.5	--	
Manganese (Diet)	--	--	--	--	--	--	--	--	--	--	--	
Manganese (Water)	0.0197	--	--	--	0.88	--	--	--	--	0.02	--	
Mercury	0.000084	0.002	0.00063	--	--	--	0.04	0.1	--	--	--	
Nickel	0.851	--	--	--	0.73	--	--	--	--	1.2	--	
Selenium	--	0.05	--	--	0.18	--	--	--	--	--	--	
Silver	0.000617	--	--	--	0.18	--	--	--	--	0.003	--	
Thallium	--	0.002	--	--	0.0024	--	--	--	--	--	--	
Tin	0.000145	--	--	--	22	--	--	--	--	0.000007	--	
Vanadium	0.00216	--	--	--	0.26	--	--	--	--	0.008	--	
Zinc	2.77	--	--	--	11	--	--	--	--	0.3	--	
Microorganisms												
Fecal Coliform	--	0	--	--	--	--	--	--	--	--	--	
Fecal Streptococcus	0	--	--	--	--	--	--	--	--	--	--	
Heterotrophic Plate Count	142	--	--	--	--	--	--	--	--	--	--	
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 EV07

Chemical	Maximum Detected Concentration	USEPA MCL	Tap Water - mg/L									
			USEPA RSL				USEPA MCL EF	USEPA RSL				
			30-Year Exposure					Inhalation		Ingestion		
			NonCancer		Cancer			NonCancer	Cancer	Inhalation		
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	0.00128	0.03	--	--	0.11	--	0.04	--	--	0.01	--	
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 EV07

Chemical	Maximum Detected Concentration	USEPA MCL	Tap Water - mg/L									
			USEPA RSL				USEPA MCL EF	USEPA RSL				
			30-Year Exposure					Inhalation		Ingestion		
			NonCancer		Cancer			NonCancer	Cancer	30-Year Exposure		
			NCEF	CEF	NCEF	CEF		Inhalation	Ingestion	NCEF	CEF	
2-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--	
3&4-Methylphenol	--	--	--	--	--	0.18	--	--	--	--	--	
3-Methylphenol	--	--	--	--	--	1.8	--	--	--	--	--	
3-Nitroaniline	--	--	--	--	--	--	--	--	--	--	--	
4,6-Dinitro-2-Methylphenol	--	--	--	--	--	--	--	--	--	--	--	
4-Bromophenylphenoletether	--	--	--	--	--	--	--	--	--	--	--	
4-Chloro-3-Methylphenol	--	--	--	--	--	--	--	--	--	--	--	
4-Chloroaniline	--	--	--	--	--	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 EV07

Chemical	Maximum Detected Concentration	USEPA MCL	Tap Water - mg/L									
			USEPA RSL				USEPA MCL EF	USEPA RSL				
			30-Year Exposure					30-Year Exposure				
			Inhalation		Ingestion			Inhalation		Ingestion		
			NonCancer	Cancer	NonCancer	Cancer		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 EV07

Chemical	Maximum Detected Concentration	USEPA MCL	Tap Water - mg/L									
			USEPA RSL				USEPA MCL EF	USEPA RSL				
			30-Year Exposure					Inhalation		Ingestion		
			NonCancer		Cancer			NonCancer	Cancer	30-Year Exposure		
			NCEF	CEF	NCEF	CEF		Inhalation	Ingestion	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	--	--	--	--	0.73	0.0011		--	--	--	--	
Bromoform	0.00174	--	--	--	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	--	--	0.2	0.00021	0.37	0.0022		--	--	--	--	
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	0.000246	--	--	--	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 EV07

Chemical	Maximum Detected Concentration	USEPA MCL	Tap Water - mg/L										
			USEPA RSL				USEPA MCL EF	USEPA RSL					
			30-Year Exposure					Inhalation		Ingestion			
			NonCancer		Cancer			NonCancer	Cancer	30-Year Exposure			
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	Inhalation	Ingestion	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	0.1	0	2.7	80.5		
							BACKGROUND RISK	0.1	0	2.0	80.0		
							INCREMENTAL RISK	0	0	0.7	0.5		

-- = 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 1×10^{-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 EV08

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
			NonCancer	Cancer	NCEF	CEF
Alkane Hydrocarbon						
Octane	--	--	--	--	--	--
Pentadecane	--	--	--	--	--	--
Tridecane	--	--	--	--	--	--
Undecane	--	--	--	--	--	--
Anion						
Chloride	--	--	--	--	--	--
Cyanide	--	--	1600	--	--	--
Fluoride	--	--	--	--	--	--
Nitrate (measured as NO ₃ -)	--	--	572000	--	--	--
Nitrite (measured as NO ₂ -)	--	--	25740	--	--	--
Phosphate	--	--	--	--	--	--
Sulfate	--	--	--	--	--	--
Dioxins/Furans						
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.00000023383	--	0.000072	0.0000045	0.003	0.05
Disinfectants						
Chlorine (as Cl ₂)	--	--	--	--	--	--
Disinfection Byproducts						
Total Trihalomethanes	--	--	--	--	--	--
Field Parameters						
Dissolved Oxygen	--	--	--	--	--	--
Oxidation Reduction Potential	--	--	--	--	--	--
pH	--	--	--	--	--	--
Salinity	--	--	--	--	--	--
Specific Conductance	--	--	--	--	--	--
Temperature	--	--	--	--	--	--
Total Dissolved Solids	--	--	--	--	--	--
Total Solids	88.3	--	--	--	--	--
Turbidity	--	--	--	--	--	--
Inorganics						
Aluminum	48300	86900	77000	--	0.6	--
Antimony	0.522	42.8	31	--	0.02	--
Arsenic	14.7	164	22	0.39	0.7	37.7
Barium	354	1813	15000	--	0.02	--
Beryllium	6	--	160	1400	0.04	0.004
Cadmium (Diet)	0.335	10.6	70	1800	0.005	0.0002

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location EV08

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
	NonCancer	Cancer	NCEF	CEF		
Cadmium (Water)	--	--	--	--	--	--
Chromium	5.8	579	--	--	--	--
Cobalt	6.22	36.6	--	--	--	--
Copper	32.7	3965	3100	--	0.01	--
Iron	22800	154600	55000	--	0.4	--
Lead	40.2	2052	400	--	0.1	--
Manganese (Diet)	680	5923	--	--	--	--
Manganese (Water)	--	--	1800	--	--	--
Mercury	--	2.66	6.7	--	--	--
Nickel	6.26	689	1600	--	0.004	--
Selenium	0.105	1.9	390	--	0.0003	--
Silver	0.197	8.132	390	--	0.0005	--
Thallium	1.67	69	5.1	--	0.3	--
Tin	2.84	--	47000	--	0.00006	--
Vanadium	49.5	187	550	--	0.09	--
Zinc	61.1	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 EV08

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		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 EV08

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
			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-Chloroaniline	--	--	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 EV08

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		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	0.00195	--	67	--	0.00003	--
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	0.0018	--	13000	0.45	0.0000001	0.004
1,2-Dichloropropane	--	--	17	0.93	--	--
1,3,5-Trimethylbenzene	0.00248	--	--	--	--	--
1,3-Butadiene	--	--	2	0.077	--	--
1,3-Dichlorobenzene	0.0017	--	--	--	--	--
1,3-Dichloropropane	0.0019	--	1600	--	0.000001	--
1,4-Dichlorobenzene	0.00187	--	10000	2.6	0.0000002	0.0007
2,2-Dichloropropane	--	--	--	--	--	--
2-Butanone (methyl ethyl ketone)	--	--	28000	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location EV08

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
			NonCancer	Cancer	NCEF	CEF
2-Chlorotoluene	--	--	1600	--	--	--
2-Hexanone	--	--	--	--	--	--
4-Chlorotoluene	--	--	5500	--	--	--
4-Isopropyltoluene	0.00179	--	--	--	--	--
4-Methyl-2-Pentanone	--	--	5300	--	--	--
Acetaldehyde	--	--	89	11	--	--
Acetone	0.0177	--	61000	--	0.0000003	--
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	0.00124	--	310	--	0.000004	--
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	0.00348	--	3600	5.7	0.0000010	0.0006
Formaldehyde	--	--	12000	250000	--	--
Hexane	--	--	570	--	--	--
Isobutyl Alcohol	--	--	23000	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location EV08

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
			NonCancer	Cancer	NCEF	CEF
Isophorone	--	--	12000	510	--	--
Isopropylbenzene	0.0033	--	2200	--	0.000002	--
m,p-Xylenes	0.0057	--	600	--	0.000010	--
Methyl Acetate	--	--	78000	--	--	--
Methyl tert-Butyl Ether	--	--	15000	39	--	--
Methylcyclohexane	--	--	3400	--	--	--
Methylene Chloride	--	--	1700	11	--	--
n-Butylbenzene	0.0016	--	--	--	--	--
n-Propylbenzene	0.00244	--	--	--	--	--
o-Xylene	0.00247	--	5300	--	0.0000005	--
Pentachloroethane	--	--	--	--	--	--
sec-Butylbenzene	0.00209	--	--	--	--	--
Styrene	0.00307	--	6500	--	0.0000005	--
tert-Butylbenzene	0.00238	--	--	--	--	--
Tetrachloroethene	--	--	380	0.57	--	--
Toluene	0.009	--	5000	--	0.000002	--
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		2.3	37.8
			BACKGROUND RISK		2.3	37.7
			INCREMENTAL RISK		0.04	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 1×10^{-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 metropolitan 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 Streptococcus 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 EV08

Chemical	Soil Gas - mg/m3					
	Maximum Detected Concentration	USEPA RSL		USEPA RSL		
		30-Year Exposure		30-Year Exposure		
		NonCancer	Cancer	NCEF	CEF	
Alkane Hydrocarbon						
Octane	--	--	--	--	--	--
Pentadecane	0.009494737	--	--	--	--	--
Tridecane	0.010528647	--	--	--	--	--
Undecane	0.004056842	--	--	--	--	--
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 EV08

Chemical	Maximum Detected Concentration	Soil Gas - mg/m3			
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
		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 EV08

Chemical	Maximum Detected Concentration	Soil Gas - mg/m3			
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
		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 EV08

Chemical	Maximum Detected Concentration	Soil Gas - mg/m3			
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
		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 EV08

Chemical	Maximum Detected Concentration	Soil Gas - mg/m3			
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
		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)	0.728533036	--	--	--	--
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 EV08

Chemical	Maximum Detected Concentration	Soil Gas - mg/m3			
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
		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 EV08

Chemical	Maximum Detected Concentration	Soil Gas - mg/m3			
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
		NonCancer	Cancer	NCEF	CEF
Isophorone	--	21	--	--	--
Isopropylbenzene	--	4.2	--	--	--
m,p-Xylenes	0.002648698	1	--	0.003	--
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		0.003	0
		BACKGROUND RISK		0	0
		INCREMENTAL RISK		0.003	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 1×10^{-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 EV08

Chemical	Maximum Detected Concentration	USEPA MCL	Tap Water - mg/L									
			USEPA RSL				USEPA MCL EF	USEPA RSL				
			30-Year Exposure					Inhalation		Ingestion		
			NonCancer	Cancer	NonCancer	Cancer		NonCancer	Cancer	Inhalation	Ingestion	
Alkane Hydrocarbon												
Octane	--	--	--	--	--	--	--	--	--	--	--	
Pentadecane	--	--	--	--	--	--	--	--	--	--	--	
Tridecane	--	--	--	--	--	--	--	--	--	--	--	
Undecane	--	--	--	--	--	--	--	--	--	--	--	
Anion												
Chloride	32.4	--	--	--	--	--	--	--	--	--	--	
Cyanide	--	0.2	--	--	--	0.73	--	--	--	--	--	
Fluoride	0.281	4	--	--	--	--	--	0.07	--	--	--	
Nitrate (measured as NO3-)	8.050000000000	44.3	--	--	--	255.2	--	0.2	--	--	0.03	
Nitrite (measured as NO2-)	--	3.29	--	--	--	12.21	--	--	--	--	--	
Phosphate	--	--	--	--	--	--	--	--	--	--	--	
Sulfate	10.4	--	--	--	--	--	--	--	--	--	--	
Dioxins/Furans												
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.000000000452	0.00000003	--	--	0.000000037	0.000000005	0.02	--	--	0.01	0.9	
Disinfectants												
Chlorine (as Cl2)	0.1	4.01	--	--	--	--	0.02	--	--	--	--	
Disinfection Byproducts												
Total Trihalomethanes	0.00266	0.0807	--	--	--	--	0.03	--	--	--	--	
Field Parameters												
Dissolved Oxygen	8.15	--	--	--	--	--	--	--	--	--	--	
Oxidation Reduction Potential	596	--	--	--	--	--	--	--	--	--	--	
pH	7.1	--	--	--	--	--	--	--	--	--	--	
Salinity	--	--	--	--	--	--	--	--	--	--	--	
Specific Conductance	1	--	--	--	--	--	--	--	--	--	--	
Temperature	23.44	--	--	--	--	--	--	--	--	--	--	
Total Dissolved Solids	--	--	--	--	--	--	--	--	--	--	--	
Total Solids	--	--	--	--	--	--	--	--	--	--	--	
Turbidity	1	--	--	--	--	--	--	--	--	--	--	
Inorganics												
Aluminum	--	--	--	--	--	37	--	--	--	--	--	
Antimony	--	0.006	--	--	--	0.015	--	--	--	--	--	
Arsenic	0.00399	0.01	--	--	--	0.011	0.000045	0.4	--	0.4	88.7	
Barium	0.0166	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 EV08

Chemical	Maximum Detected Concentration	USEPA MCL	Tap Water - mg/L									
			USEPA RSL				USEPA MCL EF	USEPA RSL				
			30-Year Exposure					Inhalation		Ingestion		
			NonCancer		Cancer			NonCancer	Cancer	Inhalation		
Cadmium (Water)	--	0.005	--	--	--	0.018	--	--	--	--	--	
Chromium	0.000962	0.1	--	--	--	--	--	0.010	--	--	--	
Cobalt	0.000107	--	--	--	--	--	--	--	--	--	--	
Copper	0.0477	--	--	--	--	1.5	--	--	--	0.03	--	
Iron	0.00912	--	--	--	--	26	--	--	--	0.0004	--	
Lead	0.00143	--	--	--	--	0.02	--	--	--	0.07	--	
Manganese (Diet)	--	--	--	--	--	--	--	--	--	--	--	
Manganese (Water)	0.000297	--	--	--	--	0.88	--	--	--	0.0003	--	
Mercury	--	0.002	0.00063	--	--	--	--	--	--	--	--	
Nickel	0.00175	--	--	--	--	0.73	--	--	--	0.002	--	
Selenium	0.000363	0.05	--	--	--	0.18	--	0.007	--	0.002	--	
Silver	--	--	--	--	--	0.18	--	--	--	--	--	
Thallium	--	0.002	--	--	--	0.0024	--	--	--	--	--	
Tin	--	--	--	--	--	22	--	--	--	--	--	
Vanadium	0.00303	--	--	--	--	0.26	--	--	--	0.01	--	
Zinc	0.204	--	--	--	--	11	--	--	--	0.02	--	
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 EV08

Chemical	Maximum Detected Concentration	USEPA MCL	Tap Water - mg/L									
			USEPA RSL				USEPA MCL EF	USEPA RSL				
			30-Year Exposure					30-Year Exposure				
			Inhalation		Ingestion			Inhalation		Ingestion		
			NonCancer	Cancer	NonCancer	Cancer		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	0.00149	0.03	--	--	--	0.11	--	0.05	--	0.01	--	
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 EV08

Chemical	Maximum Detected Concentration	USEPA MCL	Tap Water - mg/L									
			USEPA RSL				USEPA MCL EF	USEPA RSL				
			30-Year Exposure					Inhalation		Ingestion		
			NonCancer		Cancer			NonCancer	Cancer	30-Year Exposure		
			NCEF	CEF	NCEF	CEF		Inhalation	Ingestion	NCEF	CEF	
2-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--	
3&4-Methylphenol	--	--	--	--	--	0.18	--	--	--	--	--	
3-Methylphenol	--	--	--	--	--	1.8	--	--	--	--	--	
3-Nitroaniline	--	--	--	--	--	--	--	--	--	--	--	
4,6-Dinitro-2-Methylphenol	--	--	--	--	--	--	--	--	--	--	--	
4-Bromophenylphenoletether	--	--	--	--	--	--	--	--	--	--	--	
4-Chloro-3-Methylphenol	--	--	--	--	--	--	--	--	--	--	--	
4-Chloroaniline	--	--	--	--	--	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 EV08

Chemical	Maximum Detected Concentration	USEPA MCL	Tap Water - mg/L									
			USEPA RSL				USEPA MCL EF	USEPA RSL				
			30-Year Exposure					30-Year Exposure				
			Inhalation		Ingestion			Inhalation		Ingestion		
			NonCancer	Cancer	NonCancer	Cancer		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 EV08

Chemical	Maximum Detected Concentration	USEPA MCL	Tap Water - mg/L									
			USEPA RSL				USEPA MCL EF	USEPA RSL				
			30-Year Exposure					Inhalation		Ingestion		
			NonCancer		Cancer			NonCancer	Cancer	30-Year Exposure		
			NCEF	CEF	NCEF	CEF		Inhalation	Ingestion	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	--	--	--	--	0.73	0.0011		--	--	--	--	
Bromoform	0.00238	--	--	--	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	--	--	0.2	0.00021	0.37	0.0022		--	--	--	--	
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	0.000322	--	--	--	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 EV08

Chemical	Maximum Detected Concentration	USEPA MCL	Tap Water - mg/L										
			USEPA RSL				USEPA MCL EF	USEPA RSL					
			30-Year Exposure					Inhalation		Ingestion			
			NonCancer		Cancer			NonCancer	Cancer	30-Year Exposure			
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	Inhalation	Ingestion	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	0	0.6	90.2	
								BACKGROUND RISK	0	0	0.4	88.7	
								INCREMENTAL RISK	0	0	0.2	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 1×10^{-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 EV09

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
			NonCancer	Cancer	NCEF	CEF
Alkane Hydrocarbon						
Octane	--	--	--	--	--	--
Pentadecane	--	--	--	--	--	--
Tridecane	--	--	--	--	--	--
Undecane	--	--	--	--	--	--
Anion						
Chloride	--	--	--	--	--	--
Cyanide	--	--	1600	--	--	--
Fluoride	--	--	--	--	--	--
Nitrate (measured as NO ₃ -)	--	--	572000	--	--	--
Nitrite (measured as NO ₂ -)	--	--	25740	--	--	--
Phosphate	--	--	--	--	--	--
Sulfate	--	--	--	--	--	--
Dioxins/Furans						
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.00000008082	--	0.000072	0.0000045	0.001	0.02
Disinfectants						
Chlorine (as Cl ₂)	--	--	--	--	--	--
Disinfection Byproducts						
Total Trihalomethanes	--	--	--	--	--	--
Field Parameters						
Dissolved Oxygen	--	--	--	--	--	--
Oxidation Reduction Potential	--	--	--	--	--	--
pH	--	--	--	--	--	--
Salinity	--	--	--	--	--	--
Specific Conductance	--	--	--	--	--	--
Temperature	--	--	--	--	--	--
Total Dissolved Solids	--	--	--	--	--	--
Total Solids	78.40000000000001	--	--	--	--	--
Turbidity	--	--	--	--	--	--
Inorganics						
Aluminum	42400	86900	77000	--	0.6	--
Antimony	0.49	42.8	31	--	0.02	--
Arsenic	13	164	22	0.39	0.6	33.3
Barium	305	1813	15000	--	0.02	--
Beryllium	5.8	--	160	1400	0.04	0.004
Cadmium (Diet)	0.3	10.6	70	1800	0.004	0.0002

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location EV09

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
			NonCancer	Cancer	NCEF	CEF
Cadmium (Water)	--	--	--	--	--	--
Chromium	4.9	579	--	--	--	--
Cobalt	5.7	36.6	--	--	--	--
Copper	25	3965	3100	--	0.008	--
Iron	19400	154600	55000	--	0.4	--
Lead	40	2052	400	--	0.1	--
Manganese (Diet)	596	5923	--	--	--	--
Manganese (Water)	--	--	1800	--	--	--
Mercury	--	2.66	6.7	--	--	--
Nickel	6.7	689	1600	--	0.004	--
Selenium	0.11	1.9	390	--	0.0003	--
Silver	0.14	8.132	390	--	0.0004	--
Thallium	--	69	5.1	--	--	--
Tin	2.7	--	47000	--	0.00006	--
Vanadium	45	187	550	--	0.08	--
Zinc	60	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 EV09

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		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 EV09

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
			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-Chloroaniline	--	--	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 EV09

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		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)	0.008	--	43000	--	0.0000002	--
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	0.00111	--	67	--	0.00002	--
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 EV09

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
			NonCancer	Cancer	NCEF	CEF
2-Chlorotoluene	--	--	1600	--	--	--
2-Hexanone	--	--	--	--	--	--
4-Chlorotoluene	--	--	5500	--	--	--
4-Isopropyltoluene	0.000884	--	--	--	--	--
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	0.000907	--	3600	5.7	0.0000003	0.0002
Formaldehyde	--	--	12000	250000	--	--
Hexane	--	--	570	--	--	--
Isobutyl Alcohol	--	--	23000	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location EV09

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
			NonCancer	Cancer	NCEF	CEF
Isophorone	--	--	12000	510	--	--
Isopropylbenzene	0.00105	--	2200	--	0.0000005	--
m,p-Xylenes	0.00134	--	600	--	0.000002	--
Methyl Acetate	--	--	78000	--	--	--
Methyl tert-Butyl Ether	--	--	15000	39	--	--
Methylcyclohexane	--	--	3400	--	--	--
Methylene Chloride	--	--	1700	11	--	--
n-Butylbenzene	0.000772	--	--	--	--	--
n-Propylbenzene	0.000852	--	--	--	--	--
o-Xylene	0.000883	--	5300	--	0.0000002	--
Pentachloroethane	--	--	--	--	--	--
sec-Butylbenzene	0.000914	--	--	--	--	--
Styrene	0.000708	--	6500	--	0.0000001	--
tert-Butylbenzene	0.00116	--	--	--	--	--
Tetrachloroethene	0.00277	--	380	0.57	0.000007	0.005
Toluene	0.00142	--	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		1.8	33.4
			BACKGROUND RISK		1.7	33.3
			INCREMENTAL RISK		0.04	0.03

-- = 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 1×10^{-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 metropolitan 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 Streptococcus 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 EV09

Chemical	Soil Gas - mg/m3					
	Maximum Detected Concentration	USEPA RSL		USEPA RSL		
		30-Year Exposure		30-Year Exposure		
		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 EV09

Chemical	Maximum Detected Concentration	Soil Gas - mg/m3			
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
		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 EV09

Chemical	Maximum Detected Concentration	Soil Gas - mg/m3			
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
		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 EV09

Chemical	Maximum Detected Concentration	Soil Gas - mg/m3			
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
		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 EV09

Chemical	Maximum Detected Concentration	Soil Gas - mg/m3			
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
		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 EV09

Chemical	Maximum Detected Concentration	Soil Gas - mg/m3			
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
		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 EV09

Chemical	Maximum Detected Concentration	Soil Gas - mg/m3			
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
		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 1×10^{-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 EV09

Chemical	Maximum Detected Concentration	USEPA MCL	Tap Water - mg/L									
			USEPA RSL				USEPA MCL EF	USEPA RSL				
			30-Year Exposure					Inhalation		Ingestion		
			NonCancer	Cancer	NonCancer	Cancer		Inhalation	Ingestion	Inhalation	Ingestion	
Alkane Hydrocarbon												
Octane	--	--	--	--	--	--	--	--	--	--	--	
Pentadecane	--	--	--	--	--	--	--	--	--	--	--	
Tridecane	--	--	--	--	--	--	--	--	--	--	--	
Undecane	--	--	--	--	--	--	--	--	--	--	--	
Anion												
Chloride	31.3	--	--	--	--	--	--	--	--	--	--	
Cyanide	--	0.2	--	--	--	0.73	--	--	--	--	--	
Fluoride	--	4	--	--	--	--	--	--	--	--	--	
Nitrate (measured as NO ₃ -)	8	44.3	--	--	--	255.2	--	0.2	--	--	0.03	
Nitrite (measured as NO ₂ -)	--	3.29	--	--	--	12.21	--	--	--	--	--	
Phosphate	--	--	--	--	--	--	--	--	--	--	--	
Sulfate	10.4	--	--	--	--	--	--	--	--	--	--	
Dioxins/Furans												
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.00000002114	0.00000003	--	--	0.000000037	0.0000000005	0.07	--	--	0.06	4.1	
Disinfectants												
Chlorine (as Cl ₂)	0.1	4.01	--	--	--	--	0.02	--	--	--	--	
Disinfection Byproducts												
Total Trihalomethanes	0.002143	0.0807	--	--	--	--	0.03	--	--	--	--	
Field Parameters												
Dissolved Oxygen	7.88	--	--	--	--	--	--	--	--	--	--	
Oxidation Reduction Potential	574	--	--	--	--	--	--	--	--	--	--	
pH	6.83	--	--	--	--	--	--	--	--	--	--	
Salinity	--	--	--	--	--	--	--	--	--	--	--	
Specific Conductance	0.099	--	--	--	--	--	--	--	--	--	--	
Temperature	22.32	--	--	--	--	--	--	--	--	--	--	
Total Dissolved Solids	--	--	--	--	--	--	--	--	--	--	--	
Total Solids	--	--	--	--	--	--	--	--	--	--	--	
Turbidity	--	--	--	--	--	--	--	--	--	--	--	
Inorganics												
Aluminum	--	--	--	--	--	37	--	--	--	--	--	
Antimony	--	0.006	--	--	--	0.015	--	--	--	--	--	
Arsenic	0.00406	0.01	--	--	--	0.011	0.000045	0.4	--	0.4	90.2	
Barium	0.0164	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 EV09

Chemical	Maximum Detected Concentration	USEPA MCL	Tap Water - mg/L									
			USEPA RSL				USEPA MCL EF	USEPA RSL				
			30-Year Exposure					Inhalation		Ingestion		
			NonCancer		Cancer			NonCancer	Cancer	Inhalation		
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	NCEF	CEF	NCEF	CEF	
Cadmium (Water)	--	0.005	--	--	0.018	--	--	--	--	--	--	
Chromium	0.000954	0.1	--	--	--	--	0.010	--	--	--	--	
Cobalt	0.0000958	--	--	--	--	--	--	--	--	--	--	
Copper	0.0358	--	--	--	1.5	--	--	--	--	0.02	--	
Iron	--	--	--	--	26	--	--	--	--	--	--	
Lead	0.000702	--	--	--	0.02	--	--	--	--	0.04	--	
Manganese (Diet)	--	--	--	--	--	--	--	--	--	--	--	
Manganese (Water)	0.000342	--	--	--	0.88	--	--	--	--	0.0004	--	
Mercury	--	0.002	0.00063	--	--	--	--	--	--	--	--	
Nickel	0.00116	--	--	--	0.73	--	--	--	--	0.002	--	
Selenium	0.000283	0.05	--	--	0.18	--	0.006	--	--	0.002	--	
Silver	--	--	--	--	0.18	--	--	--	--	--	--	
Thallium	--	0.002	--	--	0.0024	--	--	--	--	--	--	
Tin	--	--	--	--	22	--	--	--	--	--	--	
Vanadium	0.00261	--	--	--	0.26	--	--	--	--	0.01	--	
Zinc	0.0627	--	--	--	11	--	--	--	--	0.006	--	
Microorganisms												
Fecal Coliform	--	0	--	--	--	--	--	--	--	--	--	
Fecal Streptococcus	0	--	--	--	--	--	--	--	--	--	--	
Heterotrophic Plate Count	4	--	--	--	--	--	--	--	--	--	--	
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 EV09

Chemical	Maximum Detected Concentration	USEPA MCL	Tap Water - mg/L									
			USEPA RSL				USEPA MCL EF	USEPA RSL				
			30-Year Exposure					Inhalation		Ingestion		
			NonCancer		Cancer			NonCancer	Cancer	Inhalation		
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	0.00147	0.03	--	--	--	0.11	--	0.05	--	0.01	--	
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 EV09

Chemical	Maximum Detected Concentration	USEPA MCL	Tap Water - mg/L									
			USEPA RSL				USEPA MCL EF	USEPA RSL				
			30-Year Exposure					Inhalation		Ingestion		
			NonCancer		Cancer			NonCancer	Cancer	30-Year Exposure		
			NCEF	CEF	NCEF	CEF		Inhalation	Ingestion	NCEF	CEF	
2-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--	
3&4-Methylphenol	--	--	--	--	--	0.18	--	--	--	--	--	
3-Methylphenol	--	--	--	--	--	1.8	--	--	--	--	--	
3-Nitroaniline	--	--	--	--	--	--	--	--	--	--	--	
4,6-Dinitro-2-Methylphenol	--	--	--	--	--	--	--	--	--	--	--	
4-Bromophenylphenoletether	--	--	--	--	--	--	--	--	--	--	--	
4-Chloro-3-Methylphenol	--	--	--	--	--	--	--	--	--	--	--	
4-Chloroaniline	--	--	--	--	--	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 EV09

Chemical	Maximum Detected Concentration	USEPA MCL	Tap Water - mg/L									
			USEPA RSL				USEPA MCL EF	USEPA RSL				
			30-Year Exposure					30-Year Exposure				
			Inhalation		Ingestion			Inhalation		Ingestion		
			NonCancer	Cancer	NonCancer	Cancer		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 EV09

Chemical	Maximum Detected Concentration	USEPA MCL	Tap Water - mg/L									
			USEPA RSL				USEPA MCL EF	USEPA RSL				
			30-Year Exposure					Inhalation		Ingestion		
			NonCancer		Cancer			NonCancer	Cancer	30-Year Exposure		
			NCEF	CEF	NCEF	CEF		Inhalation	Ingestion	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	--	--	--	--	0.73	0.0011		--	--	--	--	
Bromoform	0.00194	--	--	--	0.73	0.0085		--	--	0.003	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	--	--	0.2	0.00021	0.37	0.0022		--	--	--	--	
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	0.000203	--	--	--	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 EV09

Chemical	Maximum Detected Concentration	USEPA MCL	Tap Water - mg/L										
			USEPA RSL				USEPA MCL EF	USEPA RSL					
			30-Year Exposure					Inhalation		Ingestion			
			NonCancer		Cancer			NonCancer	Cancer	30-Year Exposure			
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	Inhalation	Ingestion	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	0	0.6	94.8	
								BACKGROUND RISK	0	0	0.4	90.2	
								INCREMENTAL RISK	0	0	0.2	4.5	

-- = 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 1×10^{-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 EV10

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
			NonCancer	Cancer	NCEF	CEF
Alkane Hydrocarbon						
Octane	--	--	--	--	--	--
Pentadecane	--	--	--	--	--	--
Tridecane	--	--	--	--	--	--
Undecane	--	--	--	--	--	--
Anion						
Chloride	--	--	--	--	--	--
Cyanide	--	--	1600	--	--	--
Fluoride	--	--	--	--	--	--
Nitrate (measured as NO ₃ -)	--	--	572000	--	--	--
Nitrite (measured as NO ₂ -)	--	--	25740	--	--	--
Phosphate	--	--	--	--	--	--
Sulfate	--	--	--	--	--	--
Dioxins/Furans						
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.00000027036	--	0.000072	0.0000045	0.004	0.06
Disinfectants						
Chlorine (as Cl ₂)	--	--	--	--	--	--
Disinfection Byproducts						
Total Trihalomethanes	--	--	--	--	--	--
Field Parameters						
Dissolved Oxygen	--	--	--	--	--	--
Oxidation Reduction Potential	--	--	--	--	--	--
pH	--	--	--	--	--	--
Salinity	--	--	--	--	--	--
Specific Conductance	--	--	--	--	--	--
Temperature	--	--	--	--	--	--
Total Dissolved Solids	--	--	--	--	--	--
Total Solids	73.40000000000001	--	--	--	--	--
Turbidity	--	--	--	--	--	--
Inorganics						
Aluminum	46400	86900	77000	--	0.6	--
Antimony	0.42	42.8	31	--	0.01	--
Arsenic	12	164	22	0.39	0.5	30.8
Barium	426	1813	15000	--	0.03	--
Beryllium	5.5	--	160	1400	0.03	0.004
Cadmium (Diet)	0.3	10.6	70	1800	0.004	0.0002

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location EV10

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
			NonCancer	Cancer	NCEF	CEF
Cadmium (Water)	--	--	--	--	--	--
Chromium	3.9	579	--	--	--	--
Cobalt	5.8	36.6	--	--	--	--
Copper	16	3965	3100	--	0.005	--
Iron	21200	154600	55000	--	0.4	--
Lead	34	2052	400	--	0.09	--
Manganese (Diet)	537	5923	--	--	--	--
Manganese (Water)	--	--	1800	--	--	--
Mercury	--	2.66	6.7	--	--	--
Nickel	4.9	689	1600	--	0.003	--
Selenium	--	1.9	390	--	--	--
Silver	0.1	8.132	390	--	0.0003	--
Thallium	--	69	5.1	--	--	--
Tin	2.7	--	47000	--	0.00006	--
Vanadium	45	187	550	--	0.08	--
Zinc	47	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 EV10

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		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 EV10

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
			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-Chloroaniline	--	--	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 EV10

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		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	0.00152	--	--	--	--	--
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 EV10

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
	NonCancer	Cancer	NCEF	CEF		
2-Chlorotoluene	--	--	1600	--	--	--
2-Hexanone	--	--	--	--	--	--
4-Chlorotoluene	--	--	5500	--	--	--
4-Isopropyltoluene	0.00122	--	--	--	--	--
4-Methyl-2-Pentanone	--	--	5300	--	--	--
Acetaldehyde	--	--	89	11	--	--
Acetone	0.00941	--	61000	--	0.0000002	--
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	0.00189	--	3600	5.7	0.0000005	0.0003
Formaldehyde	--	--	12000	250000	--	--
Hexane	--	--	570	--	--	--
Isobutyl Alcohol	--	--	23000	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location EV10

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
			NonCancer	Cancer	NCEF	CEF
Isophorone	--	--	12000	510	--	--
Isopropylbenzene	0.00239	--	2200	--	0.000001	--
m,p-Xylenes	0.00275	--	600	--	0.000005	--
Methyl Acetate	--	--	78000	--	--	--
Methyl tert-Butyl Ether	--	--	15000	39	--	--
Methylcyclohexane	--	--	3400	--	--	--
Methylene Chloride	--	--	1700	11	--	--
n-Butylbenzene	0.00072	--	--	--	--	--
n-Propylbenzene	0.00148	--	--	--	--	--
o-Xylene	0.00125	--	5300	--	0.0000002	--
Pentachloroethane	--	--	--	--	--	--
sec-Butylbenzene	0.00121	--	--	--	--	--
Styrene	0.00123	--	6500	--	0.0000002	--
tert-Butylbenzene	0.0015	--	--	--	--	--
Tetrachloroethene	--	--	380	0.57	--	--
Toluene	0.00259	--	5000	--	0.0000005	--
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	1.8	30.8
				BACKGROUND RISK	1.8	30.8
				INCREMENTAL RISK	0.04	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 1×10^{-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 metropolitan 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 Streptococcus 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 EV10

Chemical	Soil Gas - mg/m3					
	Maximum Detected Concentration	USEPA RSL		USEPA RSL		
		30-Year Exposure		30-Year Exposure		
		NonCancer	Cancer	NCEF	CEF	
Alkane Hydrocarbon						
Octane	--	--	--	--	--	--
Pentadecane	0.008742123	--	--	--	--	--
Tridecane	0.004101341	--	--	--	--	--
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 EV10

Chemical	Maximum Detected Concentration	Soil Gas - mg/m3			
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
		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 EV10

Chemical	Maximum Detected Concentration	Soil Gas - mg/m3			
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
		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 EV10

Chemical	Maximum Detected Concentration	Soil Gas - mg/m3			
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
		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 EV10

Chemical	Maximum Detected Concentration	Soil Gas - mg/m3			
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
		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)	0.365096804	--	--	--	--
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 EV10

Chemical	Maximum Detected Concentration	Soil Gas - mg/m3			
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
		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 EV10

Chemical	Maximum Detected Concentration	Soil Gas - mg/m3			
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
		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 1×10^{-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 EV10

Chemical	Maximum Detected Concentration	USEPA MCL	Tap Water - mg/L									
			USEPA RSL				USEPA MCL EF	USEPA RSL				
			30-Year Exposure					Inhalation		Ingestion		
			NonCancer	Cancer	NonCancer	Cancer		Inhalation	Ingestion	Inhalation	Ingestion	
Alkane Hydrocarbon												
Octane	--	--	--	--	--	--	--	--	--	--	--	
Pentadecane	--	--	--	--	--	--	--	--	--	--	--	
Tridecane	--	--	--	--	--	--	--	--	--	--	--	
Undecane	--	--	--	--	--	--	--	--	--	--	--	
Anion												
Chloride	33.3	--	--	--	--	--	--	--	--	--	--	
Cyanide	--	0.2	--	--	--	0.73	--	--	--	--	--	
Fluoride	0.25	4	--	--	--	--	--	0.06	--	--	--	
Nitrate (measured as NO ₃ -)	7.82	44.3	--	--	--	255.2	--	0.2	--	--	0.03	
Nitrite (measured as NO ₂ -)	--	3.29	--	--	--	12.21	--	--	--	--	--	
Phosphate	--	--	--	--	--	--	--	--	--	--	--	
Sulfate	10.4	--	--	--	--	--	--	--	--	--	--	
Dioxins/Furans												
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.000000000079	0.00000003	--	--	0.00000037	0.000000005	0.003	--	--	0.002	0.2	
Disinfectants												
Chlorine (as Cl ₂)	0.1	4.01	--	--	--	--	0.02	--	--	--	--	
Disinfection Byproducts												
Total Trihalomethanes	0.002173	0.0807	--	--	--	--	0.03	--	--	--	--	
Field Parameters												
Dissolved Oxygen	8.460000000000	--	--	--	--	--	--	--	--	--	--	
Oxidation Reduction Potential	613	--	--	--	--	--	--	--	--	--	--	
pH	7.22	--	--	--	--	--	--	--	--	--	--	
Salinity	--	--	--	--	--	--	--	--	--	--	--	
Specific Conductance	0.095	--	--	--	--	--	--	--	--	--	--	
Temperature	23.06	--	--	--	--	--	--	--	--	--	--	
Total Dissolved Solids	--	--	--	--	--	--	--	--	--	--	--	
Total Solids	--	--	--	--	--	--	--	--	--	--	--	
Turbidity	--	--	--	--	--	--	--	--	--	--	--	
Inorganics												
Aluminum	--	--	--	--	--	37	--	--	--	--	--	
Antimony	--	0.006	--	--	--	0.015	--	--	--	--	--	
Arsenic	0.0043	0.01	--	--	--	0.011	0.000045	0.4	--	0.4	95.6	
Barium	0.0172	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 EV10

Chemical	Maximum Detected Concentration	USEPA MCL	Tap Water - mg/L										
			USEPA RSL				USEPA MCL EF	USEPA RSL					
			30-Year Exposure					Inhalation		Ingestion			
			NonCancer		Cancer			NonCancer	Cancer	Inhalation			
										NCEF	CEF	NCEF	CEF
Cadmium (Water)	--	0.005	--	--	--	0.018	--	--	--	--	--	--	--
Chromium	0.000994	0.1	--	--	--	--	--	0.010	--	--	--	--	--
Cobalt	0.000127	--	--	--	--	--	--	--	--	--	--	--	--
Copper	0.192	--	--	--	--	1.5	--	--	--	--	0.1	--	--
Iron	0.00767	--	--	--	--	26	--	--	--	--	0.0003	--	--
Lead	0.00172	--	--	--	--	0.02	--	--	--	--	0.09	--	--
Manganese (Diet)	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese (Water)	0.00073	--	--	--	--	0.88	--	--	--	--	0.0008	--	--
Mercury	--	0.002	0.00063	--	--	--	--	--	--	--	--	--	--
Nickel	0.0169	--	--	--	--	0.73	--	--	--	--	0.02	--	--
Selenium	0.000868	0.05	--	--	--	0.18	--	0.02	--	--	0.005	--	--
Silver	--	--	--	--	--	0.18	--	--	--	--	--	--	--
Thallium	0.00164	0.002	--	--	--	0.0024	--	0.8	--	--	0.7	--	--
Tin	--	--	--	--	--	22	--	--	--	--	--	--	--
Vanadium	0.00332	--	--	--	--	0.26	--	--	--	--	0.01	--	--
Zinc	0.412	--	--	--	--	11	--	--	--	--	0.04	--	--
Microorganisms													
Fecal Coliform	--	0	--	--	--	--	--	--	--	--	--	--	--
Fecal Streptococcus	0	--	--	--	--	--	--	--	--	--	--	--	--
Heterotrophic Plate Count	14	--	--	--	--	--	--	--	--	--	--	--	--
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 EV10

Chemical	Maximum Detected Concentration	USEPA MCL	Tap Water - mg/L									
			USEPA RSL				USEPA MCL EF	USEPA RSL				
			30-Year Exposure					30-Year Exposure				
			Inhalation		Ingestion			Inhalation		Ingestion		
			NonCancer	Cancer	NonCancer	Cancer		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	0.00137	0.03	--	--	0.11	--	0.05	--	--	0.01	--	
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 EV10

Chemical	Maximum Detected Concentration	USEPA MCL	Tap Water - mg/L									
			USEPA RSL				USEPA MCL EF	USEPA RSL				
			30-Year Exposure					Inhalation		Ingestion		
			NonCancer		Cancer			NonCancer	Cancer	30-Year Exposure		
			NCEF	CEF	NCEF	CEF		Inhalation	Ingestion	NCEF	CEF	
2-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--	
3&4-Methylphenol	--	--	--	--	--	0.18	--	--	--	--	--	
3-Methylphenol	--	--	--	--	--	1.8	--	--	--	--	--	
3-Nitroaniline	--	--	--	--	--	--	--	--	--	--	--	
4,6-Dinitro-2-Methylphenol	--	--	--	--	--	--	--	--	--	--	--	
4-Bromophenylphenoletether	--	--	--	--	--	--	--	--	--	--	--	
4-Chloro-3-Methylphenol	--	--	--	--	--	--	--	--	--	--	--	
4-Chloroaniline	--	--	--	--	--	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 EV10

Chemical	Maximum Detected Concentration	USEPA MCL	Tap Water - mg/L									
			USEPA RSL				USEPA MCL EF	USEPA RSL				
			30-Year Exposure					Inhalation		Ingestion		
			NonCancer		Cancer			NonCancer	Cancer	Inhalation		
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	0.00027	--	--	--	--	--	--	--	--	--	--	
1,2,3-Trichloropropane	--	--	--	--	0.22	0.0000096	--	--	--	--	--	
1,2,4-Trichlorobenzene	0.000223	0.07	--	--	0.37	0.019	0.003	--	--	0.0006	0.01	
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 EV10

Chemical	Maximum Detected Concentration	USEPA MCL	Tap Water - mg/L									
			USEPA RSL				USEPA MCL EF	USEPA RSL				
			30-Year Exposure					Inhalation		Ingestion		
			NonCancer		Cancer			NonCancer	Cancer	30-Year Exposure		
			NCEF	CEF	NCEF	CEF		Inhalation	Ingestion	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	--	--	--	--	0.73	0.0011		--	--	--	--	
Bromoform	0.0019	--	--	--	0.73	0.0085		--	--	0.003	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	--	--	0.2	0.00021	0.37	0.0022		--	--	--	--	
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	0.000273	--	--	--	0.73	0.0008		--	--	0.0004	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 EV10

Chemical	Maximum Detected Concentration	USEPA MCL	Tap Water - mg/L									
			USEPA RSL				USEPA MCL EF	USEPA RSL				
			30-Year Exposure					Inhalation		Ingestion		
			NonCancer		Cancer			NonCancer	Cancer	30-Year Exposure		
										Inhalation	Ingestion	
										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	0	1.4	96.3	
							BACKGROUND RISK	0	0	0.5	95.6	
							INCREMENTAL RISK	0	0	0.9	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 1×10^{-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 EV11

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
			NonCancer	Cancer	NCEF	CEF
Alkane Hydrocarbon						
Octane	--	--	--	--	--	--
Pentadecane	--	--	--	--	--	--
Tridecane	--	--	--	--	--	--
Undecane	--	--	--	--	--	--
Anion						
Chloride	--	--	--	--	--	--
Cyanide	--	--	1600	--	--	--
Fluoride	--	--	--	--	--	--
Nitrate (measured as NO ₃ -)	--	--	572000	--	--	--
Nitrite (measured as NO ₂ -)	--	--	25740	--	--	--
Phosphate	--	--	--	--	--	--
Sulfate	--	--	--	--	--	--
Dioxins/Furans						
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.00000007292	--	0.000072	0.0000045	0.001	0.02
Disinfectants						
Chlorine (as Cl ₂)	--	--	--	--	--	--
Disinfection Byproducts						
Total Trihalomethanes	--	--	--	--	--	--
Field Parameters						
Dissolved Oxygen	--	--	--	--	--	--
Oxidation Reduction Potential	--	--	--	--	--	--
pH	--	--	--	--	--	--
Salinity	--	--	--	--	--	--
Specific Conductance	--	--	--	--	--	--
Temperature	--	--	--	--	--	--
Total Dissolved Solids	--	--	--	--	--	--
Total Solids	84.5	--	--	--	--	--
Turbidity	--	--	--	--	--	--
Inorganics						
Aluminum	42700	86900	77000	--	0.6	--
Antimony	0.443	42.8	31	--	0.01	--
Arsenic	14.1	164	22	0.39	0.6	36.2
Barium	314	1813	15000	--	0.02	--
Beryllium	5.69	--	160	1400	0.04	0.004
Cadmium (Diet)	0.323	10.6	70	1800	0.005	0.0002

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location EV11

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
	NonCancer	Cancer	NCEF	CEF		
Cadmium (Water)	--	--	--	--	--	--
Chromium	5.34	579	--	--	--	--
Cobalt	5.81	36.6	--	--	--	--
Copper	21.8	3965	3100	--	0.007	--
Iron	20400	154600	55000	--	0.4	--
Lead	36.5	2052	400	--	0.09	--
Manganese (Diet)	587	5923	--	--	--	--
Manganese (Water)	--	--	1800	--	--	--
Mercury	--	2.66	6.7	--	--	--
Nickel	5.9	689	1600	--	0.004	--
Selenium	0.0952	1.9	390	--	0.0002	--
Silver	--	8.132	390	--	--	--
Thallium	--	69	5.1	--	--	--
Tin	2.6	--	47000	--	0.00006	--
Vanadium	48.4	187	550	--	0.09	--
Zinc	55.6	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 EV11

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		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 EV11

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
			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-Chloroaniline	--	--	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 EV11

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		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	0.00363	--	2300	2	0.000002	0.002
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	0.0025	--	67	--	0.00004	--
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	0.00299	--	13000	0.45	0.000002	0.007
1,2-Dichloropropane	--	--	17	0.93	--	--
1,3,5-Trimethylbenzene	0.0024	--	--	--	--	--
1,3-Butadiene	--	--	2	0.077	--	--
1,3-Dichlorobenzene	0.00138	--	--	--	--	--
1,3-Dichloropropane	0.00239	--	1600	--	0.000001	--
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 EV11

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
			NonCancer	Cancer	NCEF	CEF
2-Chlorotoluene	--	--	1600	--	--	--
2-Hexanone	--	--	--	--	--	--
4-Chlorotoluene	--	--	5500	--	--	--
4-Isopropyltoluene	0.00237	--	--	--	--	--
4-Methyl-2-Pentanone	--	--	5300	--	--	--
Acetaldehyde	--	--	89	11	--	--
Acetone	0.0292	--	61000	--	0.0000005	--
Acetonitrile	--	--	870	--	--	--
Acetophenone	--	--	7800	--	--	--
Acrolein	--	--	0.16	--	--	--
Acrylonitrile	--	--	14	0.24	--	--
Benzene	0.000932	--	90	1.1	0.00001	0.0008
Bis(2-Chloroethyl)ether	--	--	--	0.19	--	--
Bis(chloromethyl)ether	--	--	--	0.00027	--	--
Bromochloromethane	--	--	--	--	--	--
Bromodichloromethane	0.0031	--	1600	10	0.000002	0.0003
Bromoform	--	--	1200	61	--	--
Bromomethane	--	--	7.9	--	--	--
Carbon Disulfide	--	--	670	--	--	--
Carbon Tetrachloride	--	--	47	0.25	--	--
Chlorobenzene	0.00346	--	310	--	0.00001	--
Chloroethane	--	--	15000	--	--	--
Chloroform	0.00121	--	220	0.3	0.000006	0.004
Chloromethane	--	--	120	1.7	--	--
Chloroprene	--	--	8.6	--	--	--
cis-1,2-Dichloroethene	--	--	780	--	--	--
cis-1,3-Dichloropropene	--	--	--	--	--	--
Cyclohexane	--	--	7200	--	--	--
Dibromochloromethane	0.00278	--	1200	5.8	0.000002	0.0005
Dibromomethane	--	--	780	--	--	--
Dichlorodifluoromethane (Freon 12)	--	--	190	--	--	--
Ethylbenzene	0.00547	--	3600	5.7	0.000002	0.0010
Formaldehyde	--	--	12000	250000	--	--
Hexane	--	--	570	--	--	--
Isobutyl Alcohol	--	--	23000	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location EV11

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
			NonCancer	Cancer	NCEF	CEF
Isophorone	--	--	12000	510	--	--
Isopropylbenzene	0.00348	--	2200	--	0.000002	--
m,p-Xylenes	0.00833	--	600	--	0.00001	--
Methyl Acetate	--	--	78000	--	--	--
Methyl tert-Butyl Ether	--	--	15000	39	--	--
Methylcyclohexane	--	--	3400	--	--	--
Methylene Chloride	--	--	1700	11	--	--
n-Butylbenzene	0.00109	--	--	--	--	--
n-Propylbenzene	0.00263	--	--	--	--	--
o-Xylene	0.00367	--	5300	--	0.0000007	--
Pentachloroethane	--	--	--	--	--	--
sec-Butylbenzene	0.00211	--	--	--	--	--
Styrene	0.00406	--	6500	--	0.0000006	--
tert-Butylbenzene	0.00292	--	--	--	--	--
Tetrachloroethene	0.00443	--	380	0.57	0.00001	0.008
Toluene	0.0138	--	5000	--	0.000003	--
trans-1,2-Dichloroethene	--	--	110	--	--	--
trans-1,3-Dichloropropene	--	--	--	--	--	--
Trans-1,4-Dichloro-2-Butene	--	--	--	--	--	--
Trichloroethene	0.00229	--	--	2.8	--	0.0008
Trichlorofluoromethane	--	--	800	--	--	--
Vinyl Acetate	--	--	990	--	--	--
Vinyl Chloride	--	--	74	0.06	--	--
Xylenes, Total	--	--	600	--	--	--
			TOTAL RISK		1.8	36.2
			BACKGROUND RISK		1.8	36.2
			INCREMENTAL RISK		0.04	0.04

-- = 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 1×10^{-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 metropolitan 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 Streptococcus 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 EV11

Chemical	Soil Gas - mg/m3					
	Maximum Detected Concentration	USEPA RSL		USEPA RSL		
		30-Year Exposure		30-Year Exposure		
		NonCancer	Cancer	NCEF	CEF	
Alkane Hydrocarbon						
Octane	--	--	--	--	--	--
Pentadecane	0.003308002	--	--	--	--	--
Tridecane	0.001034626	--	--	--	--	--
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 EV11

Chemical	Maximum Detected Concentration	Soil Gas - mg/m3			
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
		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 EV11

Chemical	Maximum Detected Concentration	Soil Gas - mg/m3			
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
		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 EV11

Chemical	Maximum Detected Concentration	Soil Gas - mg/m3			
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
		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 EV11

Chemical	Maximum Detected Concentration	Soil Gas - mg/m3			
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
		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)	0.289622128	--	--	--	--
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 EV11

Chemical	Maximum Detected Concentration	Soil Gas - mg/m3			
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
		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 EV11

Chemical	Maximum Detected Concentration	Soil Gas - mg/m3			
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
		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	0.040719929	2.8	0.0041	0.01	9.9
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		0.01	9.9
		BACKGROUND RISK		0	0
		INCREMENTAL RISK		0.01	9.9

-- = 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 1×10^{-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 EV11

Chemical	Maximum Detected Concentration	USEPA MCL	Tap Water - mg/L									
			USEPA RSL				USEPA RSL					
			30-Year Exposure				30-Year Exposure					
			Inhalation		Ingestion		USEPA MCL EF	Inhalation		Ingestion		
			NonCancer	Cancer	NonCancer	Cancer		NCEF	CEF	NCEF	CEF	
Alkane Hydrocarbon												
Octane	--	--	--	--	--	--		--	--	--	--	
Pentadecane	--	--	--	--	--	--		--	--	--	--	
Tridecane	--	--	--	--	--	--		--	--	--	--	
Undecane	--	--	--	--	--	--		--	--	--	--	
Anion												
Chloride	34.8	--	--	--	--	--		--	--	--	--	
Cyanide	--	0.2	--	--	--	0.73		--	--	--	--	
Fluoride	0.206	4	--	--	--	--		0.05	--	--	--	
Nitrate (measured as NO ₃ -)	7.83	44.3	--	--	--	255.2		0.2	--	--	0.03	
Nitrite (measured as NO ₂ -)	--	3.29	--	--	--	12.21		--	--	--	--	
Phosphate	--	--	--	--	--	--		--	--	--	--	
Sulfate	10.9	--	--	--	--	--		--	--	--	--	
Dioxins/Furans												
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.000000000349	0.00000003	--	--	--	0.000000037	0.000000005	0.01	--	--	0.009	0.7
Disinfectants												
Chlorine (as Cl ₂)	0.1	4.01	--	--	--	--	--	0.02	--	--	--	
Disinfection Byproducts												
Total Trihalomethanes	0.00144	0.0807	--	--	--	--	--	0.02	--	--	--	
Field Parameters												
Dissolved Oxygen	7.88	--	--	--	--	--	--	--	--	--	--	
Oxidation Reduction Potential	574	--	--	--	--	--	--	--	--	--	--	
pH	6.83	--	--	--	--	--	--	--	--	--	--	
Salinity	--	--	--	--	--	--	--	--	--	--	--	
Specific Conductance	0.99	--	--	--	--	--	--	--	--	--	--	
Temperature	22.32	--	--	--	--	--	--	--	--	--	--	
Total Dissolved Solids	--	--	--	--	--	--	--	--	--	--	--	
Total Solids	--	--	--	--	--	--	--	--	--	--	--	
Turbidity	--	--	--	--	--	--	--	--	--	--	--	
Inorganics												
Aluminum	--	--	--	--	--	37	--	--	--	--	--	
Antimony	--	0.006	--	--	--	0.015	--	--	--	--	--	
Arsenic	0.0037	0.01	--	--	--	0.011	0.000045	0.4	--	0.3	82.2	
Barium	0.0169	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 EV11

Chemical	Maximum Detected Concentration	USEPA MCL	Tap Water - mg/L									
			USEPA RSL				USEPA MCL EF	USEPA RSL				
			30-Year Exposure					Inhalation		Ingestion		
			NonCancer		Cancer			NonCancer	Cancer	Inhalation		
										NCEF	CEF	
Cadmium (Water)	--	0.005	--	--	--	0.018	--	--	--	--	--	
Chromium	0.000868	0.1	--	--	--	--	--	0.009	--	--	--	
Cobalt	0.0000939	--	--	--	--	--	--	--	--	--	--	
Copper	0.0356	--	--	--	--	1.5	--	--	--	0.02	--	
Iron	0.00472	--	--	--	--	26	--	--	--	0.0002	--	
Lead	0.000697	--	--	--	--	0.02	--	--	--	0.03	--	
Manganese (Diet)	--	--	--	--	--	--	--	--	--	--	--	
Manganese (Water)	0.000273	--	--	--	--	0.88	--	--	--	0.0003	--	
Mercury	--	0.002	0.00063	--	--	--	--	--	--	--	--	
Nickel	0.000961	--	--	--	--	0.73	--	--	--	0.001	--	
Selenium	0.000234	0.05	--	--	--	0.18	--	0.005	--	0.001	--	
Silver	--	--	--	--	--	0.18	--	--	--	--	--	
Thallium	--	0.002	--	--	--	0.0024	--	--	--	--	--	
Tin	--	--	--	--	--	22	--	--	--	--	--	
Vanadium	0.00306	--	--	--	--	0.26	--	--	--	0.01	--	
Zinc	0.173	--	--	--	--	11	--	--	--	0.02	--	
Microorganisms												
Fecal Coliform	--	0	--	--	--	--	--	--	--	--	--	
Fecal Streptococcus	0	--	--	--	--	--	--	--	--	--	--	
Heterotrophic Plate Count	0	--	--	--	--	--	--	--	--	--	--	
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 EV11

Chemical	Maximum Detected Concentration	USEPA MCL	Tap Water - mg/L									
			USEPA RSL				USEPA MCL EF	USEPA RSL				
			30-Year Exposure					30-Year Exposure				
			Inhalation		Ingestion			Inhalation		Ingestion		
			NonCancer	Cancer	NonCancer	Cancer		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	0.00135	0.03	--	--	--	0.11	--	0.05	--	0.01	--	
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 EV11

Chemical	Maximum Detected Concentration	USEPA MCL	Tap Water - mg/L									
			USEPA RSL				USEPA MCL EF	USEPA RSL				
			30-Year Exposure					Inhalation		Ingestion		
			NonCancer		Cancer			NonCancer	Cancer	30-Year Exposure		
			NCEF	CEF	NCEF	CEF		Inhalation	Ingestion	NCEF	CEF	
2-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--	
3&4-Methylphenol	--	--	--	--	--	0.18	--	--	--	--	--	
3-Methylphenol	--	--	--	--	--	1.8	--	--	--	--	--	
3-Nitroaniline	--	--	--	--	--	--	--	--	--	--	--	
4,6-Dinitro-2-Methylphenol	--	--	--	--	--	--	--	--	--	--	--	
4-Bromophenylphenoletether	--	--	--	--	--	--	--	--	--	--	--	
4-Chloro-3-Methylphenol	--	--	--	--	--	--	--	--	--	--	--	
4-Chloroaniline	--	--	--	--	--	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 EV11

Chemical	Maximum Detected Concentration	USEPA MCL	Tap Water - mg/L									
			USEPA RSL				USEPA MCL EF	USEPA RSL				
			30-Year Exposure					Inhalation		Ingestion		
			NonCancer		Cancer			NonCancer	Cancer	Inhalation		
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 EV11

Chemical	Maximum Detected Concentration	USEPA MCL	Tap Water - mg/L									
			USEPA RSL				USEPA MCL EF	USEPA RSL				
			30-Year Exposure					Inhalation		Ingestion		
			NonCancer		Cancer			NonCancer	Cancer	30-Year Exposure		
			NCEF	CEF	NCEF	CEF		Inhalation	Ingestion	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	--	--	--	--	0.73	0.0011		--	--	--	--	
Bromoform	0.00144	--	--	--	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	--	--	0.2	0.00021	0.37	0.0022		--	--	--	--	
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	--	--	--	--	0.73	0.0008		--	--	--	--	
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 EV11

Chemical	Maximum Detected Concentration	USEPA MCL	Tap Water - mg/L									
			USEPA RSL				USEPA MCL EF	USEPA RSL				
			30-Year Exposure					Inhalation		Ingestion		
			NonCancer		Cancer			NonCancer	Cancer	30-Year Exposure		
										Inhalation	Ingestion	
										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	0	0.5	83.1	
							BACKGROUND RISK	0	0	0.4	82.2	
							INCREMENTAL RISK	0	0	0.1	0.8	

-- = 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 1×10^{-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 EV12

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
			NonCancer	Cancer	NCEF	CEF
Alkane Hydrocarbon						
Octane	--	--	--	--	--	--
Pentadecane	--	--	--	--	--	--
Tridecane	--	--	--	--	--	--
Undecane	--	--	--	--	--	--
Anion						
Chloride	--	--	--	--	--	--
Cyanide	--	--	1600	--	--	--
Fluoride	--	--	--	--	--	--
Nitrate (measured as NO ₃ -)	--	--	572000	--	--	--
Nitrite (measured as NO ₂ -)	--	--	25740	--	--	--
Phosphate	--	--	--	--	--	--
Sulfate	--	--	--	--	--	--
Dioxins/Furans						
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.00000004387	--	0.000072	0.0000045	0.0006	0.010
Disinfectants						
Chlorine (as Cl ₂)	--	--	--	--	--	--
Disinfection Byproducts						
Total Trihalomethanes	--	--	--	--	--	--
Field Parameters						
Dissolved Oxygen	--	--	--	--	--	--
Oxidation Reduction Potential	--	--	--	--	--	--
pH	--	--	--	--	--	--
Salinity	--	--	--	--	--	--
Specific Conductance	--	--	--	--	--	--
Temperature	--	--	--	--	--	--
Total Dissolved Solids	--	--	--	--	--	--
Total Solids	78.2	--	--	--	--	--
Turbidity	--	--	--	--	--	--
Inorganics						
Aluminum	36900	86900	77000	--	0.5	--
Antimony	0.39	42.8	31	--	0.01	--
Arsenic	13	164	22	0.39	0.6	33.3
Barium	271	1813	15000	--	0.02	--
Beryllium	5	--	160	1400	0.03	0.004
Cadmium (Diet)	0.25	10.6	70	1800	0.004	0.0001

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location EV12

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
			NonCancer	Cancer	NCEF	CEF
Cadmium (Water)	--	--	--	--	--	--
Chromium	5.4	579	--	--	--	--
Cobalt	5.5	36.6	--	--	--	--
Copper	22	3965	3100	--	0.007	--
Iron	18300	154600	55000	--	0.3	--
Lead	33	2052	400	--	0.08	--
Manganese (Diet)	521	5923	--	--	--	--
Manganese (Water)	--	--	1800	--	--	--
Mercury	--	2.66	6.7	--	--	--
Nickel	7.3	689	1600	--	0.005	--
Selenium	0.092	1.9	390	--	0.0002	--
Silver	0.1	8.132	390	--	0.0003	--
Thallium	--	69	5.1	--	--	--
Tin	2.4	--	47000	--	0.00005	--
Vanadium	46	187	550	--	0.08	--
Zinc	55	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 EV12

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		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 EV12

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
			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-Chloroaniline	--	--	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 EV12

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		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 EV12

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
			NonCancer	Cancer	NCEF	CEF
2-Chlorotoluene	--	--	1600	--	--	--
2-Hexanone	--	--	--	--	--	--
4-Chlorotoluene	--	--	5500	--	--	--
4-Isopropyltoluene	0.000781	--	--	--	--	--
4-Methyl-2-Pentanone	--	--	5300	--	--	--
Acetaldehyde	--	--	89	11	--	--
Acetone	0.00835	--	61000	--	0.0000001	--
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	0.000652	--	310	--	0.000002	--
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	0.00101	--	3600	5.7	0.0000003	0.0002
Formaldehyde	--	--	12000	250000	--	--
Hexane	--	--	570	--	--	--
Isobutyl Alcohol	--	--	23000	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location EV12

Chemical	Maximum Detected Concentration	Naples, Italy Background (Maximum)	Soil - mg/kg			
			USEPA RSL		USEPA RSL	
			30-Year Exposure		30-Year Exposure	
			NonCancer	Cancer	NCEF	CEF
Isophorone	--	--	12000	510	--	--
Isopropylbenzene	0.000933	--	2200	--	0.0000004	--
m,p-Xylenes	0.0014	--	600	--	0.000002	--
Methyl Acetate	--	--	78000	--	--	--
Methyl tert-Butyl Ether	--	--	15000	39	--	--
Methylcyclohexane	--	--	3400	--	--	--
Methylene Chloride	--	--	1700	11	--	--
n-Butylbenzene	0.000426	--	--	--	--	--
n-Propylbenzene	0.000631	--	--	--	--	--
o-Xylene	0.000692	--	5300	--	0.0000001	--
Pentachloroethane	--	--	--	--	--	--
sec-Butylbenzene	0.000713	--	--	--	--	--
Styrene	0.00059	--	6500	--	0.0000009	--
tert-Butylbenzene	0.000852	--	--	--	--	--
Tetrachloroethene	--	--	380	0.57	--	--
Toluene	0.00218	--	5000	--	0.0000004	--
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	33.3
			BACKGROUND RISK		1.6	33.3
			INCREMENTAL RISK		0.03	0.01

-- = 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 1×10^{-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 metropolitan 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 Streptococcus 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 EV12

Chemical	Maximum Detected Concentration	Soil Gas - mg/m3			
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
		NonCancer	Cancer	NCEF	CEF
Alkane Hydrocarbon					
Octane	--	--	--	--	--
Pentadecane	0.002624825	--	--	--	--
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 EV12

Chemical	Maximum Detected Concentration	Soil Gas - mg/m3			
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
		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 EV12

Chemical	Maximum Detected Concentration	Soil Gas - mg/m3			
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
		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 EV12

Chemical	Maximum Detected Concentration	Soil Gas - mg/m3			
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
		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 EV12

Chemical	Maximum Detected Concentration	Soil Gas - mg/m3			
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
		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)	0.537996437	--	--	--	--
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 EV12

Chemical	Maximum Detected Concentration	Soil Gas - mg/m3			
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
		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 EV12

Chemical	Maximum Detected Concentration	Soil Gas - mg/m3			
		USEPA RSL		USEPA RSL	
		30-Year Exposure		30-Year Exposure	
		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 1×10^{-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 EV12

Chemical	Maximum Detected Concentration	USEPA MCL	Tap Water - mg/L								
			USEPA RSL				USEPA RSL				
			30-Year Exposure				30-Year Exposure				
			Inhalation		Ingestion		USEPA MCL EF	Inhalation		Ingestion	
			NonCancer	Cancer	NonCancer	Cancer		NCEF	CEF	NCEF	CEF
Alkane Hydrocarbon											
Octane	--	--	--	--	--	--		--	--	--	--
Pentadecane	--	--	--	--	--	--		--	--	--	--
Tridecane	--	--	--	--	--	--		--	--	--	--
Undecane	--	--	--	--	--	--		--	--	--	--
Anion											
Chloride	33.2	--	--	--	--	--		--	--	--	--
Cyanide	--	0.2	--	--	--	0.73		--	--	--	--
Fluoride	0.215	4	--	--	--	--		0.05	--	--	--
Nitrate (measured as NO ₃ -)	7.99	44.3	--	--	--	255.2		0.2	--	--	0.03
Nitrite (measured as NO ₂ -)	--	3.29	--	--	--	12.21		--	--	--	--
Phosphate	--	--	--	--	--	--		--	--	--	--
Sulfate	10.6	--	--	--	--	--		--	--	--	--
Dioxins/Furans											
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.000000001655	0.00000003	--	--	0.000000037	0.0000000005	0.06	--	--	0.04	3.2
Disinfectants											
Chlorine (as Cl ₂)	0.1	4.01	--	--	--	--	0.02	--	--	--	--
Disinfection Byproducts											
Total Trihalomethanes	0.001844	0.0807	--	--	--	--	0.02	--	--	--	--
Field Parameters											
Dissolved Oxygen	8.460000000000	--	--	--	--	--	--	--	--	--	--
Oxidation Reduction Potential	613	--	--	--	--	--	--	--	--	--	--
pH	7.22	--	--	--	--	--	--	--	--	--	--
Salinity	--	--	--	--	--	--	--	--	--	--	--
Specific Conductance	0.95	--	--	--	--	--	--	--	--	--	--
Temperature	23.06	--	--	--	--	--	--	--	--	--	--
Total Dissolved Solids	--	--	--	--	--	--	--	--	--	--	--
Total Solids	--	--	--	--	--	--	--	--	--	--	--
Turbidity	1	--	--	--	--	--	--	--	--	--	--
Inorganics											
Aluminum	--	--	--	--	--	37	--	--	--	--	--
Antimony	--	0.006	--	--	--	0.015	--	--	--	--	--
Arsenic	0.00421	0.01	--	--	--	0.011	0.000045	0.4	--	0.4	93.6
Barium	0.0163	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 EV12

Chemical	Maximum Detected Concentration	USEPA MCL	Tap Water - mg/L									
			USEPA RSL				USEPA MCL EF	USEPA RSL				
			30-Year Exposure					30-Year Exposure				
			Inhalation		Ingestion			Inhalation		Ingestion		
			NonCancer	Cancer	NonCancer	Cancer		NCEF	CEF	NCEF	CEF	
Cadmium (Water)	--	0.005	--	--	0.018	--	--	--	--	--	--	
Chromium	0.000804	0.1	--	--	--	--	0.008	--	--	--	--	
Cobalt	0.0001	--	--	--	--	--	--	--	--	--	--	
Copper	0.168	--	--	--	1.5	--	--	--	--	0.1	--	
Iron	0.00574	--	--	--	26	--	--	--	--	0.0002	--	
Lead	0.00144	--	--	--	0.02	--	--	--	--	0.07	--	
Manganese (Diet)	--	--	--	--	--	--	--	--	--	--	--	
Manganese (Water)	0.000348	--	--	--	0.88	--	--	--	--	0.0004	--	
Mercury	--	0.002	0.00063	--	--	--	--	--	--	--	--	
Nickel	0.00216	--	--	--	0.73	--	--	--	--	0.003	--	
Selenium	0.000274	0.05	--	--	0.18	--	0.005	--	--	0.002	--	
Silver	--	--	--	--	0.18	--	--	--	--	--	--	
Thallium	--	0.002	--	--	0.0024	--	--	--	--	--	--	
Tin	--	--	--	--	22	--	--	--	--	--	--	
Vanadium	0.00174	--	--	--	0.26	--	--	--	--	0.007	--	
Zinc	0.194	--	--	--	11	--	--	--	--	0.02	--	
Microorganisms												
Fecal Coliform	--	0	--	--	--	--	--	--	--	--	--	
Fecal Streptococcus	0	--	--	--	--	--	--	--	--	--	--	
Heterotrophic Plate Count	0	--	--	--	--	--	--	--	--	--	--	
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 EV12

Chemical	Maximum Detected Concentration	USEPA MCL	Tap Water - mg/L									
			USEPA RSL				USEPA MCL EF	USEPA RSL				
			30-Year Exposure					30-Year Exposure				
			Inhalation		Ingestion			Inhalation		Ingestion		
			NonCancer	Cancer	NonCancer	Cancer		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	0.00145	0.03	--	--	--	0.11	--	0.05	--	0.01	--	
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 EV12

Chemical	Maximum Detected Concentration	USEPA MCL	Tap Water - mg/L									
			USEPA RSL				USEPA MCL EF	USEPA RSL				
			30-Year Exposure					Inhalation		Ingestion		
			NonCancer		Cancer			NonCancer	Cancer	30-Year Exposure		
			NCEF	CEF	NCEF	CEF		Inhalation	Ingestion	NCEF	CEF	
2-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--	
3&4-Methylphenol	--	--	--	--	--	0.18	--	--	--	--	--	
3-Methylphenol	--	--	--	--	--	1.8	--	--	--	--	--	
3-Nitroaniline	--	--	--	--	--	--	--	--	--	--	--	
4,6-Dinitro-2-Methylphenol	--	--	--	--	--	--	--	--	--	--	--	
4-Bromophenylphenoletether	--	--	--	--	--	--	--	--	--	--	--	
4-Chloro-3-Methylphenol	--	--	--	--	--	--	--	--	--	--	--	
4-Chloroaniline	--	--	--	--	--	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 EV12

Chemical	Maximum Detected Concentration	USEPA MCL	Tap Water - mg/L									
			USEPA RSL				USEPA MCL EF	USEPA RSL				
			30-Year Exposure					30-Year Exposure				
			Inhalation		Ingestion			Inhalation		Ingestion		
			NonCancer	Cancer	NonCancer	Cancer		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 EV12

Chemical	Maximum Detected Concentration	USEPA MCL	Tap Water - mg/L									
			USEPA RSL				USEPA MCL EF	USEPA RSL				
			30-Year Exposure					Inhalation		Ingestion		
			NonCancer		Cancer			NonCancer	Cancer	30-Year Exposure		
			NCEF	CEF	NCEF	CEF		Inhalation	Ingestion	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	--	--	--	--	0.73	0.0011		--	--	--	--	
Bromoform	0.00163	--	--	--	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	--	--	0.2	0.00021	0.37	0.0022		--	--	--	--	
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	0.000214	--	--	--	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 EV12

Chemical	Maximum Detected Concentration	USEPA MCL	Tap Water - mg/L										
			USEPA RSL				USEPA MCL EF	USEPA RSL					
			30-Year Exposure					Inhalation		Ingestion			
			NonCancer		Cancer			NonCancer	Cancer	30-Year Exposure			
Chemical	Maximum Detected Concentration	USEPA MCL	NonCancer	Cancer	NonCancer	Cancer	USEPA MCL EF	Inhalation	Ingestion	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	0	0.7	97.2	
								BACKGROUND RISK	0	0	0.4	93.6	
								INCREMENTAL RISK	0	0	0.3	3.6	

-- = 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 1×10^{-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

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.

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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 ($10 \mu\text{g}/\text{m}^3$) 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.



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 easily 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

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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.

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.



This fact sheet answers the most frequently asked health questions (FAQs) about tetrachloroethylene. 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's 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: Tetrachloroethylene is a manufactured chemical used for dry cleaning and metal degreasing. Exposure to very high concentrations of tetrachloroethylene can cause dizziness, headaches, sleepiness, confusion, nausea, difficulty in speaking and walking, unconsciousness, and death. Tetrachloroethylene has been found in at least 771 of the 1,430 National Priorities List sites identified by the Environmental Protection Agency (EPA).

What is tetrachloroethylene?

(Pronounced tĕt'rə-klôr' ō-éth'ə-lēn')

Tetrachloroethylene is a manufactured chemical that is widely used for dry cleaning of fabrics and for metal-degreasing. It is also used to make other chemicals and is used in some consumer products.

Other names for tetrachloroethylene include perchloroethylene, PCE, and tetrachloroethene. It is a nonflammable liquid at room temperature. It evaporates easily into the air and has a sharp, sweet odor. Most people can smell tetrachloroethylene when it is present in the air at a level of 1 part tetrachloroethylene per million parts of air (1 ppm) or more, although some can smell it at even lower levels.

What happens to tetrachloroethylene when it enters the environment?

- Much of the tetrachloroethylene that gets into water or soil evaporates into the air.
- Microorganisms can break down some of the tetrachloroethylene in soil or underground water.
- In the air, it is broken down by sunlight into other chemicals or brought back to the soil and water by rain.
- It does not appear to collect in fish or other animals that live in water.

How might I be exposed to tetrachloroethylene?

- When you bring clothes from the dry cleaners, they will release small amounts of tetrachloroethylene into the air.
- When you drink water containing tetrachloroethylene, you are exposed to it.

How can tetrachloroethylene affect my health?

High concentrations of tetrachloroethylene (particularly in closed, poorly ventilated areas) can cause dizziness, headache, sleepiness, confusion, nausea, difficulty in speaking and walking, unconsciousness, and death.

Irritation may result from repeated or extended skin contact with it. These symptoms occur almost entirely in work (or hobby) environments when people have been accidentally exposed to high concentrations or have intentionally used tetrachloroethylene to get a "high."

In industry, most workers are exposed to levels lower than those causing obvious nervous system effects. The health effects of breathing in air or drinking water with low levels of tetrachloroethylene are not known.

Results from some studies suggest that women who work in dry cleaning industries where exposures to tetrachloroethyl-

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ene can be quite high may have more menstrual problems and spontaneous abortions than women who are not exposed. However, it is not known if tetrachloroethylene was responsible for these problems because other possible causes were not considered.

Results of animal studies, conducted with amounts much higher than those that most people are exposed to, show that tetrachloroethylene can cause liver and kidney damage. Exposure to very high levels of tetrachloroethylene can be toxic to the unborn pups of pregnant rats and mice. Changes in behavior were observed in the offspring of rats that breathed high levels of the chemical while they were pregnant.

How likely is tetrachloroethylene to cause cancer?

The Department of Health and Human Services (DHHS) has determined that tetrachloroethylene may reasonably be anticipated to be a carcinogen. Tetrachloroethylene has been shown to cause liver tumors in mice and kidney tumors in male rats.

Is there a medical test to show whether I've been exposed to tetrachloroethylene?

One way of testing for tetrachloroethylene exposure is to measure the amount of the chemical in the breath, much the same way breath-alcohol measurements are used to determine the amount of alcohol in the blood.

Because it is stored in the body's fat and slowly released into the bloodstream, tetrachloroethylene can be detected in the breath for weeks following a heavy exposure.

Tetrachloroethylene and trichloroacetic acid (TCA), a breakdown product of tetrachloroethylene, can be detected in the blood. These tests are relatively simple to perform. These tests aren't available at most doctors' offices, but can be per-

formed at special laboratories that have the right equipment.

Because exposure to other chemicals can produce the same breakdown products in the urine and blood, the tests for breakdown products cannot determine if you have been exposed to tetrachloroethylene or the other chemicals.

Has the federal government made recommendations to protect human health?

The EPA maximum contaminant level for the amount of tetrachloroethylene that can be in drinking water is 0.005 milligrams tetrachloroethylene per liter of water (0.005 mg/L).

The Occupational Safety and Health Administration (OSHA) has set a limit of 100 ppm for an 8-hour workday over a 40-hour workweek.

The National Institute for Occupational Safety and Health (NIOSH) recommends that tetrachloroethylene be handled as a potential carcinogen and recommends that levels in workplace air should be as low as possible.

Glossary

Carcinogen: A substance with the ability to cause cancer.

CAS: Chemical Abstracts Service.

Milligram (mg): One thousandth of a gram.

Nonflammable: Will not burn.

References

This ToxFAQs information is taken from the 1997 Toxicological Profile for Tetrachloroethylene (update) produced by the Agency for Toxic Substances and Disease Registry, Public Health Service, U.S. Department of Health and Human Services, Public Health Service in Atlanta, GA.

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.



This fact sheet answers the most frequently asked health questions (FAQs) about chlorinated dibenzo-p-dioxins (CDDs). 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's 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 chlorinated dibenzo-p-dioxins (CDDs) (75 chemicals) occurs mainly from eating food that contains the chemicals. One chemical in this group, 2,3,7,8-tetrachlorodibenzo-p-dioxin or 2,3,7,8-TCDD, has been shown to be very toxic in animal studies. It causes effects on the skin and may cause cancer in people. This chemical has been found in at least 91 of 1,467 National Priorities List sites identified by the Environmental Protection Agency (EPA).

What are CDDs?

CDDs are a family of 75 chemically related compounds commonly known as chlorinated dioxins. One of these compounds is called 2,3,7,8-TCDD. It is one of the most toxic of the CDDs and is the one most studied.

In the pure form, CDDs are crystals or colorless solids. CDDs enter the environment as mixtures containing a number of individual components. 2,3,7,8-TCDD is odorless and the odors of the other CDDs are not known.

CDDs are not intentionally manufactured by industry except for research purposes. They (mainly 2,3,7,8-TCDD) may be formed during the chlorine bleaching process at pulp and paper mills. CDDs are also formed during chlorination by waste and drinking water treatment plants. They can occur as contaminants in the manufacture of certain organic chemicals. CDDs are released into the air in emissions from municipal solid waste and industrial incinerators.

What happens to CDDs when they enter the environment?

- When released into the air, some CDDs may be transported long distances, even around the globe.

- When released in waste waters, some CDDs are broken down by sunlight, some evaporate to air, but most attach to soil and settle to the bottom sediment in water.
- CDD concentrations may build up in the food chain, resulting in measurable levels in animals.

How might I be exposed to CDDs?

- Eating food, primarily meat, dairy products, and fish, makes up more than 90% of the intake of CDDs for the general population.
- Breathing low levels in air and drinking low levels in water.
- Skin contact with certain pesticides and herbicides.
- Living near an uncontrolled hazardous waste site containing CDDs or incinerators releasing CDDs.
- Working in industries involved in producing certain pesticides containing CDDs as impurities, working at paper and pulp mills, or operating incinerators.

How can CDDs affect my health?

The most noted health effect in people exposed to large amounts of 2,3,7,8-TCDD is chloracne. Chloracne is a severe skin disease with acne-like lesions that occur mainly on the face and upper body. Other skin effects noted in people exposed to high doses of 2,3,7,8-TCDD include skin rashes, dis-

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coloration, and excessive body hair. Changes in blood and urine that may indicate liver damage also are seen in people. Exposure to high concentrations of CDDs may induce long-term alterations in glucose metabolism and subtle changes in hormonal levels.

In certain animal species, 2,3,7,8-TCDD is especially harmful and can cause death after a single exposure. Exposure to lower levels can cause a variety of effects in animals, such as weight loss, liver damage, and disruption of the endocrine system. In many species of animals, 2,3,7,8-TCDD weakens the immune system and causes a decrease in the system's ability to fight bacteria and viruses. In other animal studies, exposure to 2,3,7,8-TCDD has caused reproductive damage and birth defects. Some animal species exposed to CDDs during pregnancy had miscarriages and the offspring of animals exposed to 2,3,7,8-TCDD during pregnancy often had severe birth defects including skeletal deformities, kidney defects, and weakened immune responses.

How likely are CDDs to cause cancer?

Several studies suggest that exposure to 2,3,7,8-TCDD increases the risk of several types of cancer in people. Animal studies have also shown an increased risk of cancer from exposure to 2,3,7,8-TCDD.

The World Health Organization (WHO) has determined that 2,3,7,8-TCDD is a human carcinogen.

The Department of Health and Human Services (DHHS) has determined that 2,3,7,8-TCDD may reasonably be anticipated to cause cancer.

How can CDDs affect children?

Very few studies have looked at the effects of CDDs on children. Chloracne has been seen in children exposed to high levels of CDDs. We don't know if CDDs affect the ability of people to have children or if it causes birth defects, but given the effects observed in animal studies, this cannot be ruled out.

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.

How can families reduce the risk of exposure to CDDs?

- Children should avoid playing in soils near uncontrolled hazardous waste sites.
- Discourage children from eating dirt or putting toys or other objects in their mouths.
- Everyone should wash hands frequently if playing or working near uncontrolled hazardous waste sites.
- For new mothers and young children, restrict eating foods from the proximity of uncontrolled sites with known CDDs.

Is there a medical test to show whether I've been exposed to CDDs?

Tests are available to measure CDD levels in body fat, blood, and breast milk, but these tests are not routinely available. Most people have low levels of CDDs in their body fat and blood, and levels considerably above these levels indicate past exposure to above-normal levels of 2,3,7,8-TCDD. Although CDDs stay in body fat for a long time, tests cannot be used to determine when exposure occurred.

Has the federal government made recommendations to protect human health?

The EPA has set a limit of 0.00003 micrograms of 2,3,7,8-TCDD per liter of drinking water (0.00003 µg/L). Discharges, spills, or accidental releases of 1 pound or more of 2,3,7,8-TCDD must be reported to EPA. The Food and Drug Administration (FDA) recommends against eating fish and shellfish with levels of 2,3,7,8-TCDD greater than 50 parts per trillion (50 ppt).

References

Agency for Toxic Substances and Disease Registry (ATSDR). 1998. Toxicological profile for chlorinated dibenz-p-dioxins. Atlanta, GA: U.S. Department of Health and Human Services, Public Health Service.

