



Legend

- Study Area Boundary (1-9)
- Sample Locations**
- Soil Gas (Yellow square)
- Soil (Brown square)
- Tap Water (Blue square)
- Irrigation Well (Yellow triangle)
- Air (Blue circle)

0 65 130 260 Feet



Parco Le Ginestre Sample Locations Phase I Screening Risk Evaluation Naples, Italy

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

Table 1: Summary of Parco Le Ginestre Residence Risks by Location

Site ID	Water Source	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				
		Soil RSL CNCEF	Soil RSL CCEF	Soil Gas RSL CNCEF	Soil Gas RSL CCEF	Tap Water Ing.+Inh. ⁽¹⁾	Tap Water Ing.+Inh. ⁽¹⁾	Tap Water Inh. Only ⁽²⁾	Tap Water Inh. Only ⁽²⁾								
LE01	Public	0.03	0.04	0.002	1.3	0.2	27.4	0.006	4.5	0.28	28.78	0.04	5.83	No	No	Unacceptable	Acceptable
LE03	Public	--	--	0.04	24.0	0.1	2.6	0.001	1.3	0.18	26.58	0.04	25.26	No	No	Unacceptable	Unacceptable
LE07	Public	0.02	0.02	0.3	171.7	0.2	3.1	0.001	1.3	0.50	174.79	0.28	173.06	No	No	Unacceptable	Unacceptable
LE08	Public	0.02	0.009	0.01	9.9	0.3	1.9	0.001	0.7	0.34	11.79	0.03	10.65	No	No	Unacceptable	Unacceptable
LE10	Public	--	--	0	0	0.6	2.8	0.001	1.0	0.63	2.76	0.00	1.03	No	No	Acceptable	Acceptable
LE11	Public	0.05	0.06	0.01	9.8	0.09	2.7	0.001	1.1	0.15	12.60	0.07	10.98	No	No	Unacceptable	Unacceptable
LE12	Public	0.02	0.04	--	--	0.2	1.4	0.0007	0.6	0.17	1.46	0.02	0.66	No	No	Acceptable	Acceptable
LE15	Public	0.02	0.05	0.001	0.9	0.1	2.8	0.001	1.4	0.17	3.73	0.03	2.30	No	No	Acceptable	Acceptable
LE19	Public	0.02	0.02	0.002	1.4	0.2	4.1	0.001	1.1	0.19	5.48	0.02	2.51	Yes	No	Unacceptable	Unacceptable
LE20	Public	0.03	0.10	0.03	19.0	0.2	5.2	0.002	1.9	0.23	24.25	0.06	20.96	No	No	Unacceptable	Unacceptable
LE21	--	0.07	0.6	--	--	--	--	--	--	0.07	0.64	0.07	0.64	--	--	Acceptable	Acceptable
LE22	--	0.03	0.1	--	--	--	--	--	--	0.03	0.13	0.03	0.13	--	--	Acceptable	Acceptable
LE23	--	0.04	0.05	--	--	--	--	--	--	0.04	0.05	0.04	0.05	--	--	Acceptable	Acceptable
LEIW01 ⁽⁵⁾	Irrigation Well	--	--	--	--	1.6	18.4	0.003	2.1	1.60	18.40	0.00	2.10	Yes	Yes	Unacceptable	Unacceptable

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.⁵Sample was located at an irrigation well and compared against USEPA RSL and MCLs to validate that water is nonpotable.

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 LE01

Chemical	Sample Results for: LE01SS0010006	Soil - mg/kg			
Alkane Hydrocarbon					
Octane	--				
Pentadecane	--				
Tridecane	--				
Undecane	--				
Anion					
Chloride	--				
Cyanide	0.135 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)	0.00000010257				
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	90				
Turbidity	--				
Inorganics					
Aluminum	39600				
Antimony	0.44				
Arsenic	12				
Barium	315 J				
Beryllium	4.9				
Cadmium (Diet)	0.082				
Cadmium (Water)	--				

Attachment C - Environmental Sampling Results For Location LE01

Chemical	Sample Results for: LE01SS0010006	Soil - mg/kg			
Chromium	6.4				
Cobalt	5.3				
Copper	38				
Iron	19000				
Lead	47				
Manganese (Diet)	598				
Manganese (Water)	--				
Mercury	0.0968 U				
Nickel	6.2				
Selenium	0.17 U				
Silver	0.27				
Thallium	2.2				
Tin	5.8				
Vanadium	38				
Zinc	56				
Microorganisms					
Fecal Coliform	--				
Fecal Streptococcus	--				
Heterotrophic Plate Count	--				
Total Coliforms (including Fecal Coliform and E. Coli)	--				
Pesticides					
4,4-DDD	0.000479 U				
4,4-DDE	0.00047 U				
4,4-DDT	0.000629 U				
Aldrin	0.000381 U				
alpha-BHC	0.00047 U				
alpha-Chlordane	0.000381 U				
beta-BHC	0.000576 U				
Chlordane	--				
delta-BHC	0.000523 U				
Dieldrin	0.000532 U				
Endosulfan I	0.000479 U				
Endosulfan II	0.000381 U				
Endosulfan Sulfate	0.000541 U				
Endrin	0.000612 U				
Endrin Aldehyde	0.00055 U				

Attachment C - Environmental Sampling Results For Location LE01

Chemical	Sample Results for: LE01SS0010006	Soil - mg/kg			
gamma-BHC (Lindane)	0.000452 U				
gamma-Chlordane	0.000417 U				
Heptachlor	0.000541 U				
Heptachlor Epoxide	0.000417 U				
Methoxychlor	0.000674 U				
Toxaphene	0.00586 U				
Polychlorinated bi-phenyls					
Aroclor 1016	0.00683 UJ				
Aroclor 1016/1260	--				
Aroclor 1221	0.00683 UJ				
Aroclor 1232	0.00683 UJ				
Aroclor 1242	0.00683 UJ				
Aroclor 1248	0.00683 UJ				
Aroclor 1254	0.00683 UJ				
Aroclor 1260	0.00683 UJ				
Radionuclides					
Uranium	--				
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	0.0167 U				
1,2,4,5-Tetrachlorobenzene	0.0133 U				
2,3,4,6-Tetrachlorophenol	0.0788 U				
2,4,5-Trichlorophenol	0.137 U				
2,4,6-Trichlorophenol	0.0733 U				
2,4-Dichlorophenol	0.0855 U				
2,4-Dimethylphenol	0.164 U				
2,4-Dinitrophenol	0.0611 UJ				
2,4-Dinitrotoluene	0.02 U				
2,6-Dichlorophenol	0.0522 U				
2,6-Dinitrotoluene	0.0167 U				
2-Chloronaphthalene	0.00888 U				
2-Chlorophenol	0.0555 U				
2-Methylnaphthalene	0.0189 U				
2-Methylphenol (o-Cresol)	0.111 U				
2-Nitrophenol	0.0699 U				
3&4-Methylphenol	0.128 U				
3-Methylphenol	--				
3-Nitroaniline	0.02 U				

Attachment C - Environmental Sampling Results For Location LE01

Chemical	Sample Results for: LE01SS0010006	Soil - mg/kg			
4,6-Dinitro-2-Methylphenol	0.0744 U				
4-Bromophenylphenylether	0.0133 U				
4-Chloro-3-Methylphenol	0.0977 U				
4-Chloroaniline	0.0255 U				
4-Methylphenol (p-Cresol)	--				
4-Nitroaniline	0.0488 U				
4-Nitrophenol	0.131 U				
Acenaphthene	0.0111 U				
Acenaphthylene	0.00999 U				
Aniline	0.0222 U				
Anthracene	0.0133 U				
Atrazine	0.0289 U				
Benzo(g,h,i)perylene	0.0311 U				
Bis(2-ethylhexyl)phthalate	0.117 U				
Butylbenzylphthalate	0.0333 U				
Carbazole	0.02 U				
Di-n-butylphthalate	0.0477 U				
Di-n-octylphthalate	0.0222 U				
Dibenzofuran	0.0111 U				
Diethylphthalate	0.0189 U				
Dimethylphthalate	0.0144 U				
Diphenylamine	0.0577 U				
Fluoranthene	0.0211 U				
Fluorene	0.0133 U				
Hexachlorobenzene	0.0122 U				
Hexachlorobutadiene	0.0111 U				
Hexachlorocyclopentadiene	0.0155 UJ				
Hexachloroethane	0.0122 U				
Naphthalene	0.00666 U				
Nitrobenzene	0.0167 U				
o-Toluidine	0.02 U				
Pentachlorobenzene	0.0311 U				
Pentachloronitrobenzene	0.000443 UJ				
Pentachlorophenol	0.171 U				
Phenanthrene	0.0333 U				
Phenol	0.0377 U				

Attachment C - Environmental Sampling Results For Location LE01

Chemical	Sample Results for: LE01SS0010006	Soil - mg/kg			
Pyrene	0.02 U				
Total Carcinogenic PAHS (BaP TEQs)	0.0479944 U				
Total Petroleum Hydrocarbon					
Tph (c03-c20)	--				
Tph (c08-c40)	--				
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	0.000389 U				
1,1,1-Trichloroethane	0.000518 U				
1,1,2,2-Tetrachloroethane	0.000259 U				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.00242 J				
1,1,2-Trichloroethane	0.000389 U				
1,1-Dichloroethane	0.000907 U				
1,1-Dichloroethene	0.000648 U				
1,2,3-Trichlorobenzene	0.000648 U				
1,2,3-Trichloropropane	--				
1,2,4-Trichlorobenzene	0.000389 U				
1,2,4-Trimethylbenzene	0.00165 J				
1,2-Dibromo-3-Chloropropane	0.000518 U				
1,2-Dibromoethane	0.00013 U				
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	0.000777 U				
1,2-Dichlorobenzene	0.00101 J				
1,2-Dichloroethane	0.00216 J				
1,2-Dichloropropane	0.000389 U				
1,3,5-Trimethylbenzene	0.00122 J				
1,3-Butadiene	--				
1,3-Dichlorobenzene	0.000941 J				
1,3-Dichloropropane	0.000259 U				
1,4-Dichlorobenzene	0.000993 J				
2,2-Dichloropropane	0.000648 U				
2-Butanone (methyl ethyl ketone)	0.00233 U				
2-Chlorotoluene	0.00169 J				
2-Hexanone	0.0013 U				
4-Chlorotoluene	0.00176 J				
4-Isopropyltoluene	0.00132 J				
4-Methyl-2-Pentanone	0.000389 U				
Acetaldehyde	--				

Attachment C - Environmental Sampling Results For Location LE01

Chemical	Sample Results for: LE01SS0010006	Soil - mg/kg			
Acetone	0.0226				
Acetonitrile	--				
Acetophenone	--				
Acrolein	--				
Acrylonitrile	--				
Benzene	0.000546 J				
Bis(2-Chloroethyl)ether	--				
Bis(chloromethyl)ether	--				
Bromochloromethane	0.000518 U				
Bromodichloromethane	0.00154 J				
Bromoform	0.000259 U				
Bromomethane	0.00389 U				
Carbon Disulfide	--				
Carbon Tetrachloride	0.000518 U				
Chlorobenzene	0.00133 J				
Chloroethane	0.000518 U				
Chloroform	0.000907 J				
Chloromethane	0.00117 U				
Chloroprene	--				
cis-1,2-Dichloroethene	0.000907 U				
cis-1,3-Dichloropropene	0.00106 J				
Cyclohexane	--				
Dibromochloromethane	0.00013 U				
Dibromomethane	--				
Dichlorodifluoromethane (Freon 12)	0.000389 U				
Ethylbenzene	0.00248 J				
Formaldehyde	--				
Hexane	--				
Isobutyl Alcohol	--				
Isophorone	--				
Isopropylbenzene	0.00184 J				
m,p-Xylenes	0.0041 J				
Methyl Acetate	--				
Methyl tert-Butyl Ether	0.000648 U				
Methylcyclohexane	--				
Methylene Chloride	0.0013 U				

Attachment C - Environmental Sampling Results For Location LE01

Chemical	Sample Results for: LE01SS0010006	Soil - mg/kg			
n-Butylbenzene	0.000874 J				
n-Propylbenzene	0.00175 J				
o-Xylene	0.00197 J				
Pentachloroethane	--				
sec-Butylbenzene	0.0015 J				
Styrene	0.00225 J				
tert-Butylbenzene	0.00158 J				
Tetrachloroethene	0.00213 J				
Toluene	0.014				
trans-1,2-Dichloroethene	0.000777 U				
trans-1,3-Dichloropropene	0.000389 U				
Trans-1,4-Dichloro-2-Butene	--				
Trichloroethene	0.000648 U				
Trichlorofluoromethane	0.00104 U				
Vinyl Acetate	--				
Vinyl Chloride	0.000518 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 LE01

	Soil Gas - mg/m3				
	Sample Results for: LE01SG0010018				
Chemical					
Alkane Hydrocarbon					
Octane	0.001253153 U				
Pentadecane	0.012113517				
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 LE01

	Soil Gas - mg/m3				
	Sample Results for: LE01SG0010018				
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 LE01

	Soil Gas - mg/m3				
	Sample Results for: LE01SG0010018				
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 LE01

Chemical	Soil Gas - mg/m3				
	Sample Results for: LE01SG0010018				
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 LE01

	Soil Gas - mg/m3				
	Sample Results for: LE01SG0010018				
Chemical					
Pyrene	0.002090164 U				
Total Carcinogenic PAHS (BaP TEQs)	--				
Total Petroleum Hydrocarbon					
Tph (c03-c20)	0.453732807				
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 LE01

Chemical	Soil Gas - mg/m3				
	Sample Results for: LE01SG0010018				
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 LE01

Chemical	Soil Gas - mg/m3				
	Sample Results for: LE01SG0010018				
Methylene Chloride	--				
n-Butylbenzene	--				
n-Propylbenzene	--				
o-Xylene	0.001322952 U				
Pentachloroethane	--				
sec-Butylbenzene	--				
Styrene	--				
tert-Butylbenzene	--				
Tetrachloroethene	0.005325415				
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 LE01

Chemical	Sample Results for: LE01TW001	Tap Water - mg/L			
Alkane Hydrocarbon					
Octane	--				
Pentadecane	--				
Tridecane	--				
Undecane	--				
Anion					
Chloride	9.66				
Cyanide	0.004 U				
Fluoride	0.2 U				
Nitrate (measured as NO ₃ -)	3.53				
Nitrite (measured as NO ₂ -)	0.2 U				
Phosphate	0.4 U				
Sulfate	8.94				
Dioxins/Furans					
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.00000000036				
Disinfectants					
Chlorine (as Cl ₂)	0.04				
Disinfection Byproducts					
Total Trihalomethanes	0.00271				
Field Parameters					
Dissolved Oxygen	9.01				
Oxidation Reduction Potential	324				
pH	6.97				
Salinity	0.1				
Specific Conductance	1.15				
Temperature	26.18				
Total Dissolved Solids	--				
Total Solids	--				
Turbidity	--				
Inorganics					
Aluminum	0.0101				
Antimony	0.00014 U				
Arsenic	0.00418				
Barium	0.0154				
Beryllium	0.0000836				
Cadmium (Diet)	--				
Cadmium (Water)	0.0000646				

Attachment C - Environmental Sampling Results For Location LE01

Chemical	Sample Results for: LE01TW001	Tap Water - mg/L			
Chromium	0.000969				
Cobalt	0.000112				
Copper	0.138				
Iron	0.0218				
Lead	0.0023				
Manganese (Diet)	--				
Manganese (Water)	0.00205				
Mercury	0.00002				
Nickel	0.0205				
Selenium	0.000318				
Silver	0.00012 U				
Thallium	0.00069 U				
Tin	0.0001 U				
Vanadium	0.0029 U				
Zinc	1.79				
Microorganisms					
Fecal Coliform	1 <				
Fecal Streptococcus	0				
Heterotrophic Plate Count	128				
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 LE01

	Sample Results for: LE01TW001	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 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	0.000829				
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	0.000197 U				
1,2,4,5-Tetrachlorobenzene	0.000197 U				
2,3,4,6-Tetrachlorophenol	0.000295 U				
2,4,5-Trichlorophenol	0.000492 U				
2,4,6-Trichlorophenol	0.000492 U				
2,4-Dichlorophenol	0.000689 U				
2,4-Dimethylphenol	0.000984 U				
2,4-Dinitrophenol	0.000295 UJ				
2,4-Dinitrotoluene	0.000984 U				
2,6-Dichlorophenol	0.000787 U				
2,6-Dinitrotoluene	0.0000984 U				
2-Chloronaphthalene	0.000197 U				
2-Chlorophenol	0.000886 U				
2-Methylnaphthalene	0.000197 U				
2-Methylphenol (o-Cresol)	0.000689 U				
2-Nitrophenol	0.000886 U				
3&4-Methylphenol	0.00118 U				
3-Methylphenol	--				
3-Nitroaniline	0.000984 U				

Attachment C - Environmental Sampling Results For Location LE01

Chemical	Sample Results for: LE01TW001	Tap Water - mg/L			
4,6-Dinitro-2-Methylphenol	0.000197 U				
4-Bromophenylphenylether	0.0000984 U				
4-Chloro-3-Methylphenol	0.00059 U				
4-Chloroanalanine	0.000984 U				
4-Methylphenol (p-Cresol)	--				
4-Nitroaniline	0.000984 U				
4-Nitrophenol	0.000295 U				
Acenaphthene	0.0000984 U				
Acenaphthylene	0.0000984 U				
Aniline	0.000984 U				
Anthracene	0.0000984 U				
Atrazine	0.0000984 U				
Benzo(g,h,i)perylene	0.0000984 U				
Bis(2-ethylhexyl)phthalate	0.00138 U				
Butylbenzylphthalate	0.0000984 U				
Carbazole	0.0000984 U				
Di-n-butylphthalate	0.00128 U				
Di-n-octylphthalate	0.000197 U				
Dibenzofuran	0.0000984 U				
Diethylphthalate	0.000197 U				
Dimethylphthalate	0.0000984 U				
Diphenylamine	0.0000984 U				
Fluoranthene	0.0000984 U				
Fluorene	0.0000984 U				
Hexachlorobenzene	0.0000984 U				
Hexachlorobutadiene	0.000197 U				
Hexachlorocyclopentadiene	0.000984 U				
Hexachloroethane	0.0000984 U				
Naphthalene	0.000197 U				
Nitrobenzene	0.000197 U				
o-Toluidine	0.000689 U				
Pentachlorobenzene	0.000197 U				
Pentachloronitrobenzene	0.000003 U				
Pentachlorophenol	0.000295 U				
Phenanthrene	0.0000984 U				
Phenol	0.000984 U				

Attachment C - Environmental Sampling Results For Location LE01

	Chemical	Tap Water - mg/L				
		Sample Results for: LE01TW001				
Pyrene		0.0000984 U				
Total Carcinogenic PAHS (BaP TEQs)		0.00011808 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 LE01

Chemical	Tap Water - mg/L				
	Sample Results for: LE01TW001				
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	0.000494 J				
Bromoform	0.000906 J				
Bromomethane	0.00037 U				
Carbon Disulfide	--				
Carbon Tetrachloride	0.00008 U				
Chlorobenzene	0.00012 U				
Chloroethane	0.00018 U				
Chloroform	0.0003				
Chloromethane	0.00021 U				
Chloroprene	--				
cis-1,2-Dichloroethene	0.00013 U				
cis-1,3-Dichloropropene	0.00015 U				
Cyclohexane	--				
Dibromochloromethane	0.00101				
Dibromomethane	--				
Dichlorodifluoromethane (Freon 12)	0.00012 U				
Ethylbenzene	0.00005 U				
Formaldehyde	--				
Hexane	--				
Isobutyl Alcohol	--				
Isophorone	--				
Isopropylbenzene	0.00006 U				
m,p-Xylenes	0.0000981 J				
Methyl Acetate	--				
Methyl tert-Butyl Ether	0.000123 J				
Methylcyclohexane	--				

Attachment C - Environmental Sampling Results For Location LE01

Chemical	Sample Results for: LE01TW001	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	0.00251				
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 LE03

	Soil Gas - mg/m3				
	Sample Results for: LE03SG0010018				
Chemical					
Alkane Hydrocarbon					
Octane	0.001253153 U				
Pentadecane	0.001505672				
Tridecane	0.001163452				
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 LE03

	Soil Gas - mg/m3				
	Sample Results for: LE03SG0010018				
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 LE03

	Soil Gas - mg/m3				
	Sample Results for: LE03SG0010018				
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 LE03

Chemical	Soil Gas - mg/m3				
	Sample Results for: LE03SG0010018				
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 LE03

	Soil Gas - mg/m3				
	Sample Results for: LE03SG0010018				
Chemical					
Pyrene	0.002090164 U				
Total Carcinogenic PAHS (BaP TEQs)	--				
Total Petroleum Hydrocarbon					
Tph (c03-c20)	0.141740762				
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 LE03

Chemical	Soil Gas - mg/m3				
	Sample Results for: LE03SG0010018				
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 LE03

Chemical	Soil Gas - mg/m3				
	Sample Results for: LE03SG0010018				
Methylene Chloride	--				
n-Butylbenzene	--				
n-Propylbenzene	--				
o-Xylene	0.001322952 U				
Pentachloroethane	--				
sec-Butylbenzene	--				
Styrene	--				
tert-Butylbenzene	--				
Tetrachloroethene	0.098215192				
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 LE03

Chemical	Sample Results for: LE03TW001	Tap Water - mg/L			
Alkane Hydrocarbon					
Octane	--				
Pentadecane	--				
Tridecane	--				
Undecane	--				
Anion					
Chloride	11.8				
Cyanide	0.004 U				
Fluoride	0.2 U				
Nitrate (measured as NO ₃ -)	3.79				
Nitrite (measured as NO ₂ -)	0.2 U				
Phosphate	0.4 U				
Sulfate	10.1				
Dioxins/Furans					
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.000000010193 U				
Disinfectants					
Chlorine (as Cl ₂)	0.06				
Disinfection Byproducts					
Total Trihalomethanes	0.00214				
Field Parameters					
Dissolved Oxygen	8.57				
Oxidation Reduction Potential	297				
pH	7.35				
Salinity	--				
Specific Conductance	0.87				
Temperature	23.79				
Total Dissolved Solids	--				
Total Solids	--				
Turbidity	--				
Inorganics					
Aluminum	0.0022 U				
Antimony	0.00014 U				
Arsenic	0.00353				
Barium	0.016				
Beryllium	0.0000629				
Cadmium (Diet)	--				
Cadmium (Water)	0.00004 U				

Attachment C - Environmental Sampling Results For Location LE03

Chemical	Sample Results for: LE03TW001	Tap Water - mg/L			
Chromium	0.000681				
Cobalt	0.0000832				
Copper	0.046				
Iron	0.123				
Lead	0.00167				
Manganese (Diet)	--				
Manganese (Water)	0.00105				
Mercury	0.000016				
Nickel	0.0458				
Selenium	0.0002 U				
Silver	0.00012 U				
Thallium	0.000259 U				
Tin	0.0001 U				
Vanadium	0.0011				
Zinc	1.45				
Microorganisms					
Fecal Coliform	1 <				
Fecal Streptococcus	0				
Heterotrophic Plate Count	370				
Total Coliforms (including Fecal Coliform and E. Coli)	1 <				
Pesticides					
4,4-DDD	0.00000323 U				
4,4-DDE	0.00000215 U				
4,4-DDT	0.00000645 U				
Aldrin	0.00000215 U				
alpha-BHC	0.00000323 U				
alpha-Chlordane	0.00000323 U				
beta-BHC	0.00000215 U				
Chlordane	--				
delta-BHC	0.00000108 U				
Dieldrin	0.00000323 U				
Endosulfan I	0.00000323 U				
Endosulfan II	0.00000215 U				
Endosulfan Sulfate	0.00000753 U				
Endrin	0.00000215 U				
Endrin Aldehyde	0.00000215 U				

Attachment C - Environmental Sampling Results For Location LE03

	Chemical	Tap Water - mg/L				
		Sample Results for: LE03TW001				
	gamma-BHC (Lindane)	0.00000108 U				
	gamma-Chlordane	0.00000215 U				
	Heptachlor	0.0000043 U				
	Heptachlor Epoxide	0.0000043 U				
	Methoxychlor	0.00000323 U				
	Toxaphene	0.0000108 U				
Polychlorinated bi-phenyls						
	Aroclor 1016	0.0000215 U				
	Aroclor 1016/1260	--				
	Aroclor 1221	0.0000215 U				
	Aroclor 1232	0.0000215 U				
	Aroclor 1242	0.0000215 U				
	Aroclor 1248	0.0000215 U				
	Aroclor 1254	0.0000215 U				
	Aroclor 1260	0.0000215 U				
Radionuclides						
	Uranium	0.00101				
Semi-Volatile Organic Compounds						
	1,1'-Biphenyl	0.000197 U				
	1,2,4,5-Tetrachlorobenzene	0.000197 U				
	2,3,4,6-Tetrachlorophenol	0.000296 U				
	2,4,5-Trichlorophenol	0.000494 U				
	2,4,6-Trichlorophenol	0.000494 U				
	2,4-Dichlorophenol	0.000691 U				
	2,4-Dimethylphenol	0.000987 U				
	2,4-Dinitrophenol	0.000296 U				
	2,4-Dinitrotoluene	0.000987 U				
	2,6-Dichlorophenol	0.00079 U				
	2,6-Dinitrotoluene	0.0000987 U				
	2-Chloronaphthalene	0.000197 U				
	2-Chlorophenol	0.000888 U				
	2-Methylnaphthalene	0.000197 U				
	2-Methylphenol (o-Cresol)	0.000691 U				
	2-Nitrophenol	0.000888 U				
	3&4-Methylphenol	0.00118 U				
	3-Methylphenol	--				
	3-Nitroaniline	0.000987 U				

Attachment C - Environmental Sampling Results For Location LE03

Chemical	Sample Results for: LE03TW001	Tap Water - mg/L			
4,6-Dinitro-2-Methylphenol	0.000197 U				
4-Bromophenylphenylether	0.0000987 U				
4-Chloro-3-Methylphenol	0.000592 U				
4-Chloroanalanine	0.000987 U				
4-Methylphenol (p-Cresol)	--				
4-Nitroaniline	0.000987 U				
4-Nitrophenol	0.000296 U				
Acenaphthene	0.0000987 U				
Acenaphthylene	0.0000987 U				
Aniline	0.000987 U				
Anthracene	0.0000987 U				
Atrazine	0.0000987 U				
Benzo(g,h,i)perylene	0.0000987 U				
Bis(2-ethylhexyl)phthalate	0.00138 U				
Butylbenzylphthalate	0.0000987 U				
Carbazole	0.0000987 U				
Di-n-butylphthalate	0.00128 U				
Di-n-octylphthalate	0.000197 U				
Dibenzofuran	0.0000987 U				
Diethylphthalate	0.000197 U				
Dimethylphthalate	0.0000987 U				
Diphenylamine	0.0000987 U				
Fluoranthene	0.0000987 U				
Fluorene	0.0000987 U				
Hexachlorobenzene	0.0000987 U				
Hexachlorobutadiene	0.000197 U				
Hexachlorocyclopentadiene	0.000987 U				
Hexachloroethane	0.0000987 U				
Naphthalene	0.000197 U				
Nitrobenzene	0.000197 U				
o-Toluidine	0.000691 U				
Pentachlorobenzene	0.000197 U				
Pentachloronitrobenzene	0.00000323 U				
Pentachlorophenol	0.000296 U				
Phenanthrene	0.0000987 U				
Phenol	0.000987 U				

Attachment C - Environmental Sampling Results For Location LE03

	Chemical	Tap Water - mg/L				
		Sample Results for: LE03TW001				
Pyrene		0.0000987 U				
Total Carcinogenic PAHS (BaP TEQs)		0.00011844 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 LE03

Chemical	Sample Results for: LE03TW001	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	0.00038 J				
Bromoform	0.000895 J				
Bromomethane	0.00037 U				
Carbon Disulfide	--				
Carbon Tetrachloride	0.00008 U				
Chlorobenzene	0.00012 U				
Chloroethane	0.00018 U				
Chloroform	0.000275 J				
Chloromethane	0.00021 U				
Chloroprene	--				
cis-1,2-Dichloroethene	0.00013 U				
cis-1,3-Dichloropropene	0.00015 U				
Cyclohexane	--				
Dibromochloromethane	0.00059				
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 LE03

Chemical	Sample Results for: LE03TW001	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 LE07

Chemical	Soil - mg/kg				
	Sample Results for: LE07SS0010006				
Alkane Hydrocarbon					
Octane	--				
Pentadecane	--				
Tridecane	--				
Undecane	--				
Anion					
Chloride	--				
Cyanide	0.148 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)	0.0000000666				
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	83				
Turbidity	--				
Inorganics					
Aluminum	30600				
Antimony	0.387				
Arsenic	8.57				
Barium	224				
Beryllium	3.61				
Cadmium (Diet)	0.219				
Cadmium (Water)	--				

Attachment C - Environmental Sampling Results For Location LE07

Chemical	Sample Results for: LE07SS0010006	Soil - mg/kg			
Chromium	3.91				
Cobalt	4.29				
Copper	11.9				
Iron	14900				
Lead	26.9				
Manganese (Diet)	472				
Manganese (Water)	--				
Mercury	0.101 U				
Nickel	4.37				
Selenium	0.0814				
Silver	0.11				
Thallium	1.19 U				
Tin	2.36				
Vanadium	32.1				
Zinc	43.6				
Microorganisms					
Fecal Coliform	--				
Fecal Streptococcus	--				
Heterotrophic Plate Count	--				
Total Coliforms (including Fecal Coliform and E. Coli)	--				
Pesticides					
4,4-DDD	0.00045 U				
4,4-DDE	0.000442 U				
4,4-DDT	0.000592 U				
Aldrin	0.000358 U				
alpha-BHC	0.000442 U				
alpha-Chlordane	0.000358 U				
beta-BHC	0.000542 U				
Chlordane	--				
delta-BHC	0.000492 U				
Dieldrin	0.0005 U				
Endosulfan I	0.00045 U				
Endosulfan II	0.000358 U				
Endosulfan Sulfate	0.000508 U				
Endrin	0.000575 U				
Endrin Aldehyde	0.000517 U				

Attachment C - Environmental Sampling Results For Location LE07

Chemical	Sample Results for: LE07SS0010006	Soil - mg/kg			
gamma-BHC (Lindane)	0.000425 U				
gamma-Chlordane	0.000392 U				
Heptachlor	0.000508 U				
Heptachlor Epoxide	0.000392 U				
Methoxychlor	0.000633 U				
Toxaphene	0.00602 U				
Polychlorinated bi-phenyls					
Aroclor 1016	0.00702 UJ				
Aroclor 1016/1260	--				
Aroclor 1221	0.00702 UJ				
Aroclor 1232	0.00702 UJ				
Aroclor 1242	0.00702 UJ				
Aroclor 1248	0.00702 UJ				
Aroclor 1254	0.00702 UJ				
Aroclor 1260	0.00702 UJ				
Radionuclides					
Uranium	--				
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	0.0176 U				
1,2,4,5-Tetrachlorobenzene	0.0141 U				
2,3,4,6-Tetrachlorophenol	0.0835 U				
2,4,5-Trichlorophenol	0.145 U				
2,4,6-Trichlorophenol	0.0776 U				
2,4-Dichlorophenol	0.0906 U				
2,4-Dimethylphenol	0.174 U				
2,4-Dinitrophenol	0.0647 UJ				
2,4-Dinitrotoluene	0.0212 U				
2,6-Dichlorophenol	0.0553 U				
2,6-Dinitrotoluene	0.0176 U				
2-Chloronaphthalene	0.00941 U				
2-Chlorophenol	0.0588 U				
2-Methylnaphthalene	0.02 U				
2-Methylphenol (o-Cresol)	0.118 U				
2-Nitrophenol	0.0741 U				
3&4-Methylphenol	0.135 U				
3-Methylphenol	--				
3-Nitroaniline	0.0212 U				

Attachment C - Environmental Sampling Results For Location LE07

Chemical	Sample Results for: LE07SS0010006	Soil - mg/kg			
4,6-Dinitro-2-Methylphenol	0.0788 U				
4-Bromophenylphenylether	0.0141 U				
4-Chloro-3-Methylphenol	0.103 U				
4-Chloroanalanine	0.027 U				
4-Methylphenol (p-Cresol)	--				
4-Nitroaniline	0.0517 U				
4-Nitrophenol	0.139 U				
Acenaphthene	0.0118 U				
Acenaphthylene	0.0106 U				
Aniline	0.0235 U				
Anthracene	0.0141 U				
Atrazine	0.0306 U				
Benzo(g,h,i)perylene	0.0329 U				
Bis(2-ethylhexyl)phthalate	0.123 U				
Butylbenzylphthalate	0.0353 U				
Carbazole	0.0212 U				
Di-n-butylphthalate	0.0506 U				
Di-n-octylphthalate	0.0235 U				
Dibenzofuran	0.0118 U				
Diethylphthalate	0.02 U				
Dimethylphthalate	0.0153 U				
Diphenylamine	0.0612 U				
Fluoranthene	0.0223 U				
Fluorene	0.0141 U				
Hexachlorobenzene	0.0129 U				
Hexachlorobutadiene	0.0118 U				
Hexachlorocyclopentadiene	0.0165 U				
Hexachloroethane	0.0129 U				
Naphthalene	0.00706 U				
Nitrobenzene	0.0176 U				
o-Toluidine	0.0212 U				
Pentachlorobenzene	0.0329 U				
Pentachloronitrobenzene	0.000417 UJ				
Pentachlorophenol	0.181 U				
Phenanthrene	0.0353 U				
Phenol	0.04 U				

Attachment C - Environmental Sampling Results For Location LE07

Chemical	Sample Results for: LE07SS0010006	Soil - mg/kg			
Pyrene	0.0212 U				
Total Carcinogenic PAHS (BaP TEQs)	0.0508273 U				
Total Petroleum Hydrocarbon					
Tph (c03-c20)	--				
Tph (c08-c40)	--				
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	0.00074 UJ				
1,1,1-Trichloroethane	0.000987 UJ				
1,1,2,2-Tetrachloroethane	0.000493 UJ				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.00173 UJ				
1,1,2-Trichloroethane	0.00074 UJ				
1,1-Dichloroethane	0.00173 UJ				
1,1-Dichloroethene	0.00123 UJ				
1,2,3-Trichlorobenzene	0.00123 UJ				
1,2,3-Trichloropropane	--				
1,2,4-Trichlorobenzene	0.00074 UJ				
1,2,4-Trimethylbenzene	0.00622 J				
1,2-Dibromo-3-Chloropropane	0.000987 UJ				
1,2-Dibromoethane	0.000247 UJ				
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	0.00148 UJ				
1,2-Dichlorobenzene	0.000247 UJ				
1,2-Dichloroethane	0.000493 UJ				
1,2-Dichloropropane	0.00074 UJ				
1,3,5-Trimethylbenzene	0.0058 J				
1,3-Butadiene	--				
1,3-Dichlorobenzene	0.00434 J				
1,3-Dichloropropane	0.000493 UJ				
1,4-Dichlorobenzene	0.00373 J				
2,2-Dichloropropane	0.00123 UJ				
2-Butanone (methyl ethyl ketone)	0.00444 UJ				
2-Chlorotoluene	0.0113 J				
2-Hexanone	0.00247 UJ				
4-Chlorotoluene	0.00623 J				
4-Isopropyltoluene	0.00514 J				
4-Methyl-2-Pentanone	0.00074 UJ				
Acetaldehyde	--				

Attachment C - Environmental Sampling Results For Location LE07

Chemical	Sample Results for: LE07SS0010006	Soil - mg/kg			
Acetone	0.0193 J				
Acetonitrile	--				
Acetophenone	--				
Acrolein	--				
Acrylonitrile	--				
Benzene	0.00074 UJ				
Bis(2-Chloroethyl)ether	--				
Bis(chloromethyl)ether	--				
Bromochloromethane	0.000987 UJ				
Bromodichloromethane	0.000987 UJ				
Bromoform	0.000493 UJ				
Bromomethane	0.0074 UJ				
Carbon Disulfide	--				
Carbon Tetrachloride	0.000987 UJ				
Chlorobenzene	0.0025 J				
Chloroethane	0.000987 UJ				
Chloroform	0.00173 UJ				
Chloromethane	0.00222 UJ				
Chloroprene	--				
cis-1,2-Dichloroethene	0.00173 UJ				
cis-1,3-Dichloropropene	0.000247 UJ				
Cyclohexane	--				
Dibromochloromethane	0.000247 UJ				
Dibromomethane	--				
Dichlorodifluoromethane (Freon 12)	0.00074 UJ				
Ethylbenzene	0.00597 J				
Formaldehyde	--				
Hexane	--				
Isobutyl Alcohol	--				
Isophorone	--				
Isopropylbenzene	0.00732 J				
m,p-Xylenes	0.0105 J				
Methyl Acetate	--				
Methyl tert-Butyl Ether	0.00123 UJ				
Methylcyclohexane	--				
Methylene Chloride	0.00247 UJ				

Attachment C - Environmental Sampling Results For Location LE07

Chemical	Sample Results for: LE07SS0010006	Soil - mg/kg			
n-Butylbenzene	0.00313 J				
n-Propylbenzene	0.00622 J				
o-Xylene	0.00403 J				
Pentachloroethane	--				
sec-Butylbenzene	0.00472 J				
Styrene	0.00586 J				
tert-Butylbenzene	0.00446 J				
Tetrachloroethene	0.00148 UJ				
Toluene	0.00976 J				
trans-1,2-Dichloroethene	0.00148 UJ				
trans-1,3-Dichloropropene	0.00074 UJ				
Trans-1,4-Dichloro-2-Butene	--				
Trichloroethene	0.00123 UJ				
Trichlorofluoromethane	0.00197 UJ				
Vinyl Acetate	--				
Vinyl Chloride	0.000987 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 LE07

	Soil Gas - mg/m3				
	Sample Results for: LE07SG0010018				
Chemical					
Alkane Hydrocarbon					
Octane	0.001253153 U				
Pentadecane	0.008011979				
Tridecane	0.002147883				
Undecane	0.001075894				
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 LE07

	Soil Gas - mg/m3				
	Sample Results for: LE07SG0010018				
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 LE07

	Soil Gas - mg/m3				
	Sample Results for: LE07SG0010018				
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 LE07

Chemical	Soil Gas - mg/m3				
	Sample Results for: LE07SG0010018				
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 LE07

	Soil Gas - mg/m3				
	Sample Results for: LE07SG0010018				
Chemical					
Pyrene	0.002090164 U				
Total Carcinogenic PAHS (BaP TEQs)	--				
Total Petroleum Hydrocarbon					
Tph (c03-c20)	0.717626123				
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 LE07

Chemical	Soil Gas - mg/m3				
	Sample Results for: LE07SG0010018				
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 LE07

Chemical	Soil Gas - mg/m3				
	Sample Results for: LE07SG0010018				
Methylene Chloride	--				
n-Butylbenzene	--				
n-Propylbenzene	--				
o-Xylene	0.001322952 U				
Pentachloroethane	--				
sec-Butylbenzene	--				
Styrene	--				
tert-Butylbenzene	--				
Tetrachloroethene	0.704052092				
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 LE07

Chemical	Sample Results for: LE07TW001	Tap Water - mg/L			
Alkane Hydrocarbon					
Octane	--				
Pentadecane	--				
Tridecane	--				
Undecane	--				
Anion					
Chloride	11.6				
Cyanide	0.004 U				
Fluoride	0.2 U				
Nitrate (measured as NO ₃ -)	3.33				
Nitrite (measured as NO ₂ -)	0.2 UJ				
Phosphate	0.4 UJ				
Sulfate	9.42				
Dioxins/Furans					
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.00000000034				
Disinfectants					
Chlorine (as Cl ₂)	0.04				
Disinfection Byproducts					
Total Trihalomethanes	0.00221				
Field Parameters					
Dissolved Oxygen	8.60999999999999				
Oxidation Reduction Potential	294				
pH	7.25				
Salinity	--				
Specific Conductance	0.97				
Temperature	24.54				
Total Dissolved Solids	--				
Total Solids	--				
Turbidity	--				
Inorganics					
Aluminum	0.0022 U				
Antimony	0.00014 U				
Arsenic	0.00406				
Barium	0.015				
Beryllium	0.000057 U				
Cadmium (Diet)	--				
Cadmium (Water)	0.0000631				

Attachment C - Environmental Sampling Results For Location LE07

Chemical	Sample Results for: LE07TW001	Tap Water - mg/L			
Chromium	0.000761				
Cobalt	0.000155				
Copper	0.0879				
Iron	0.0919				
Lead	0.0027				
Manganese (Diet)	--				
Manganese (Water)	0.00231				
Mercury	0.000015 U				
Nickel	0.141				
Selenium	0.000259				
Silver	0.00012 U				
Thallium	0.000087 U				
Tin	0.000108				
Vanadium	0.001 U				
Zinc	1.94				
Microorganisms					
Fecal Coliform	1 <				
Fecal Streptococcus	0				
Heterotrophic Plate Count	81				
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 UJ				
Endrin	0.000002 U				
Endrin Aldehyde	0.000002 U				

Attachment C - Environmental Sampling Results For Location LE07

	Sample Results for: LE07TW001	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 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	0.00098				
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	0.000196 U				
1,2,4,5-Tetrachlorobenzene	0.000196 U				
2,3,4,6-Tetrachlorophenol	0.000294 U				
2,4,5-Trichlorophenol	0.000491 U				
2,4,6-Trichlorophenol	0.000491 U				
2,4-Dichlorophenol	0.000687 U				
2,4-Dimethylphenol	0.000981 U				
2,4-Dinitrophenol	0.000294 U				
2,4-Dinitrotoluene	0.000981 U				
2,6-Dichlorophenol	0.000785 U				
2,6-Dinitrotoluene	0.0000981 U				
2-Chloronaphthalene	0.000196 U				
2-Chlorophenol	0.000883 U				
2-Methylnaphthalene	0.000196 U				
2-Methylphenol (o-Cresol)	0.000687 U				
2-Nitrophenol	0.000883 U				
3&4-Methylphenol	0.00118 U				
3-Methylphenol	--				
3-Nitroaniline	0.000981 U				

Attachment C - Environmental Sampling Results For Location LE07

Chemical	Sample Results for: LE07TW001	Tap Water - mg/L			
4,6-Dinitro-2-Methylphenol	0.000196 U				
4-Bromophenylphenylether	0.0000981 U				
4-Chloro-3-Methylphenol	0.000589 U				
4-Chloroanalanine	0.000981 U				
4-Methylphenol (p-Cresol)	--				
4-Nitroaniline	0.000981 U				
4-Nitrophenol	0.000294 U				
Acenaphthene	0.0000981 U				
Acenaphthylene	0.0000981 U				
Aniline	0.000981 U				
Anthracene	0.0000981 U				
Atrazine	0.0000981 U				
Benzo(g,h,i)perylene	0.0000981 U				
Bis(2-ethylhexyl)phthalate	0.00137 U				
Butylbenzylphthalate	0.000143				
Carbazole	0.0000981 U				
Di-n-butylphthalate	0.00128 U				
Di-n-octylphthalate	0.000196 UJ				
Dibenzofuran	0.0000981 U				
Diethylphthalate	0.000196 U				
Dimethylphthalate	0.0000981 U				
Diphenylamine	0.0000981 U				
Fluoranthene	0.0000981 U				
Fluorene	0.0000981 U				
Hexachlorobenzene	0.0000981 U				
Hexachlorobutadiene	0.000196 U				
Hexachlorocyclopentadiene	0.000981 U				
Hexachloroethane	0.0000981 U				
Naphthalene	0.000196 U				
Nitrobenzene	0.000196 U				
o-Toluidine	0.000687 U				
Pentachlorobenzene	0.000196 U				
Pentachloronitrobenzene	0.000003 U				
Pentachlorophenol	0.000294 U				
Phenanthrene	0.0000981 U				
Phenol	0.000981 U				

Attachment C - Environmental Sampling Results For Location LE07

	Chemical	Tap Water - mg/L				
		Sample Results for: LE07TW001				
Pyrene		0.0000981 U				
Total Carcinogenic PAHS (BaP TEQs)		0.00011772 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 LE07

Chemical	Tap Water - mg/L				
	Sample Results for: LE07TW001				
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	0.000538				
Bromoform	0.000608 J				
Bromomethane	0.00037 U				
Carbon Disulfide	--				
Carbon Tetrachloride	0.00008 U				
Chlorobenzene	0.00012 U				
Chloroethane	0.00018 U				
Chloroform	0.000277 J				
Chloromethane	0.00021 U				
Chloroprene	--				
cis-1,2-Dichloroethene	0.00013 U				
cis-1,3-Dichloropropene	0.00015 U				
Cyclohexane	--				
Dibromochloromethane	0.000787				
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 LE07

Chemical	Sample Results for: LE07TW001	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 LE08

Chemical	Soil - mg/kg				
	Sample Results for: LE08SS0010006				
Alkane Hydrocarbon					
Octane	--				
Pentadecane	--				
Tridecane	--				
Undecane	--				
Anion					
Chloride	--				
Cyanide	0.172				
Fluoride	--				
Nitrate (measured as NO ₃ -)	--				
Nitrite (measured as NO ₂ -)	--				
Phosphate	--				
Sulfate	--				
Dioxins/Furans					
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.0000000294				
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	--				
Turbidity	--				
Inorganics					
Aluminum	22800				
Antimony	0.293				
Arsenic	5.64				
Barium	134				
Beryllium	2.7				
Cadmium (Diet)	0.115				
Cadmium (Water)	--				

Attachment C - Environmental Sampling Results For Location LE08

Chemical	Sample Results for: LE08SS0010006	Soil - mg/kg			
Chromium	3.8				
Cobalt	3.24				
Copper	8.91				
Iron	12800				
Lead	19.2				
Manganese (Diet)	422				
Manganese (Water)	--				
Mercury	0.105 U				
Nickel	7.45				
Selenium	0.0888				
Silver	0.0996 U				
Thallium	1.29 U				
Tin	2.02				
Vanadium	30.4				
Zinc	35.2				
Microorganisms					
Fecal Coliform	--				
Fecal Streptococcus	--				
Heterotrophic Plate Count	--				
Total Coliforms (including Fecal Coliform and E. Coli)	--				
Pesticides					
4,4-DDD	0.000665 U				
4,4-DDE	0.000652 U				
4,4-DDT	0.000874 U				
Aldrin	0.000529 U				
alpha-BHC	0.000652 U				
alpha-Chlordane	0.000529 U				
beta-BHC	0.0008 U				
Chlordane	--				
delta-BHC	0.000726 U				
Dieldrin	0.000738 U				
Endosulfan I	0.000665 U				
Endosulfan II	0.000529 U				
Endosulfan Sulfate	0.000751 U				
Endrin	0.000849 U				
Endrin Aldehyde	0.000763 U				

Attachment C - Environmental Sampling Results For Location LE08

Chemical	Sample Results for: LE08SS0010006	Soil - mg/kg			
gamma-BHC (Lindane)	0.000628 U				
gamma-Chlordane	0.000578 U				
Heptachlor	0.000751 U				
Heptachlor Epoxide	0.000578 U				
Methoxychlor	0.000935 U				
Toxaphene	0.00738 U				
Polychlorinated bi-phenyls					
Aroclor 1016	0.00862 U				
Aroclor 1016/1260	--				
Aroclor 1221	0.00862 U				
Aroclor 1232	0.00862 U				
Aroclor 1242	0.00862 U				
Aroclor 1248	0.00862 U				
Aroclor 1254	0.00862 U				
Aroclor 1260	0.00862 U				
Radionuclides					
Uranium	--				
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	0.0213 U				
1,2,4,5-Tetrachlorobenzene	0.0171 U				
2,3,4,6-Tetrachlorophenol	0.101 U				
2,4,5-Trichlorophenol	0.175 U				
2,4,6-Trichlorophenol	0.0939 U				
2,4-Dichlorophenol	0.11 U				
2,4-Dimethylphenol	0.211 U				
2,4-Dinitrophenol	0.0783 U				
2,4-Dinitrotoluene	0.0256 U				
2,6-Dichlorophenol	0.0669 U				
2,6-Dinitrotoluene	0.0213 U				
2-Chloronaphthalene	0.0114 U				
2-Chlorophenol	0.0712 U				
2-Methylnaphthalene	0.0242 U				
2-Methylphenol (o-Cresol)	0.142 U				
2-Nitrophenol	0.0896 U				
3&4-Methylphenol	0.164 U				
3-Methylphenol	--				
3-Nitroaniline	0.0256 U				

Attachment C - Environmental Sampling Results For Location LE08

Chemical	Sample Results for: LE08SS0010006	Soil - mg/kg			
4,6-Dinitro-2-Methylphenol	0.0953 U				
4-Bromophenylphenylether	0.0171 U				
4-Chloro-3-Methylphenol	0.125 U				
4-Chloroanalanine	0.0327 U				
4-Methylphenol (p-Cresol)	--				
4-Nitroaniline	0.0626 U				
4-Nitrophenol	0.168 U				
Acenaphthene	0.0142 U				
Acenaphthylene	0.0128 U				
Aniline	0.0285 U				
Anthracene	0.0171 U				
Atrazine	0.037 U				
Benzo(g,h,i)perylene	0.0398 U				
Bis(2-ethylhexyl)phthalate	0.149 U				
Butylbenzylphthalate	0.0427 U				
Carbazole	0.0256 U				
Di-n-butylphthalate	0.0612 U				
Di-n-octylphthalate	0.0285 U				
Dibenzofuran	0.0142 U				
Diethylphthalate	0.0242 U				
Dimethylphthalate	0.0185 U				
Diphenylamine	0.074 U				
Fluoranthene	0.027 U				
Fluorene	0.0171 U				
Hexachlorobenzene	0.0157 U				
Hexachlorobutadiene	0.0142 U				
Hexachlorocyclopentadiene	0.0199 U				
Hexachloroethane	0.0157 U				
Naphthalene	0.00854 U				
Nitrobenzene	0.0213 U				
o-Toluidine	0.0256 U				
Pentachlorobenzene	0.0398 U				
Pentachloronitrobenzene	0.000615 U				
Pentachlorophenol	0.219 U				
Phenanthrene	0.0427 U				
Phenol	0.0484 U				

Attachment C - Environmental Sampling Results For Location LE08

Chemical	Sample Results for: LE08SS0010006	Soil - mg/kg			
Pyrene	0.0256 U				
Total Carcinogenic PAHS (BaP TEQs)	0.0614645 U				
Total Petroleum Hydrocarbon					
Tph (c03-c20)	--				
Tph (c08-c40)	--				
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	0.000494 U				
1,1,1-Trichloroethane	0.000659 U				
1,1,2,2-Tetrachloroethane	0.000329 U				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.00115 U				
1,1,2-Trichloroethane	0.000494 U				
1,1-Dichloroethane	0.00115 U				
1,1-Dichloroethene	0.000823 U				
1,2,3-Trichlorobenzene	0.000823 U				
1,2,3-Trichloropropane	0.000494 U				
1,2,4-Trichlorobenzene	0.000494 U				
1,2,4-Trimethylbenzene	0.000659 U				
1,2-Dibromo-3-Chloropropane	0.000659 U				
1,2-Dibromoethane	0.000165 U				
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	0.000988 U				
1,2-Dichlorobenzene	0.000165 U				
1,2-Dichloroethane	0.000329 U				
1,2-Dichloropropane	0.000494 U				
1,3,5-Trimethylbenzene	0.000329 U				
1,3-Butadiene	--				
1,3-Dichlorobenzene	0.000329 U				
1,3-Dichloropropane	0.000329 U				
1,4-Dichlorobenzene	0.000165 U				
2,2-Dichloropropane	0.000823 U				
2-Butanone (methyl ethyl ketone)	0.00296 U				
2-Chlorotoluene	0.000494 U				
2-Hexanone	0.00165 U				
4-Chlorotoluene	0.000329 U				
4-Isopropyltoluene	0.000646 J				
4-Methyl-2-Pentanone	0.000494 U				
Acetaldehyde	--				

Attachment C - Environmental Sampling Results For Location LE08

Chemical	Sample Results for: LE08SS0010006	Soil - mg/kg			
Acetone	0.0255				
Acetonitrile	--				
Acetophenone	--				
Acrolein	0.0084 U				
Acrylonitrile	--				
Benzene	0.000494 U				
Bis(2-Chloroethyl)ether	--				
Bis(chloromethyl)ether	--				
Bromochloromethane	0.000659 U				
Bromodichloromethane	0.000659 U				
Bromoform	0.000329 U				
Bromomethane	0.00494 U				
Carbon Disulfide	--				
Carbon Tetrachloride	0.000659 U				
Chlorobenzene	0.000329 U				
Chloroethane	0.000659 U				
Chloroform	0.00115 U				
Chloromethane	0.00148 U				
Chloroprene	--				
cis-1,2-Dichloroethene	0.00115 U				
cis-1,3-Dichloropropene	0.000165 U				
Cyclohexane	--				
Dibromochloromethane	0.000165 U				
Dibromomethane	--				
Dichlorodifluoromethane (Freon 12)	0.000494 U				
Ethylbenzene	0.000494 J				
Formaldehyde	--				
Hexane	--				
Isobutyl Alcohol	--				
Isophorone	--				
Isopropylbenzene	0.000329 U				
m,p-Xylenes	0.000988 U				
Methyl Acetate	--				
Methyl tert-Butyl Ether	0.000823 U				
Methylcyclohexane	--				
Methylene Chloride	0.00165 U				

Attachment C - Environmental Sampling Results For Location LE08

Chemical	Sample Results for: LE08SS0010006	Soil - mg/kg			
n-Butylbenzene	0.000329 U				
n-Propylbenzene	0.000494 U				
o-Xylene	0.000329 U				
Pentachloroethane	--				
sec-Butylbenzene	0.000329 J				
Styrene	0.00111 J				
tert-Butylbenzene	0.000659 J				
Tetrachloroethene	0.000988 U				
Toluene	0.00233 J				
trans-1,2-Dichloroethene	0.000988 U				
trans-1,3-Dichloropropene	0.000494 U				
Trans-1,4-Dichloro-2-Butene	--				
Trichloroethene	0.000823 U				
Trichlorofluoromethane	0.00132 U				
Vinyl Acetate	--				
Vinyl Chloride	0.000659 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 LE08

	Soil Gas - mg/m3				
	Sample Results for: LE08SG0010018				
Chemical					
Alkane Hydrocarbon					
Octane	0.001253153 U				
Pentadecane	0.001071361 U				
Tridecane	0.001276534				
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 LE08

	Soil Gas - mg/m3				
	Sample Results for: LE08SG0010018				
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 LE08

	Soil Gas - mg/m3				
	Sample Results for: LE08SG0010018				
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 LE08

Chemical	Soil Gas - mg/m3				
	Sample Results for: LE08SG0010018				
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 LE08

	Soil Gas - mg/m3				
	Sample Results for: LE08SG0010018				
Chemical					
Pyrene	0.002090164 U				
Total Carcinogenic PAHS (BaP TEQs)	--				
Total Petroleum Hydrocarbon					
Tph (c03-c20)	0.287835583				
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 LE08

Chemical	Soil Gas - mg/m3				
	Sample Results for: LE08SG0010018				
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	0.009935611				
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 LE08

Chemical	Soil Gas - mg/m3				
	Sample Results for: LE08SG0010018				
Methylene Chloride	--				
n-Butylbenzene	--				
n-Propylbenzene	--				
o-Xylene	0.001322952 U				
Pentachloroethane	--				
sec-Butylbenzene	--				
Styrene	--				
tert-Butylbenzene	--				
Tetrachloroethene	0.003546405				
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 LE08

	Tap Water - mg/L				
	Sample Results for: LE08TW001	Sample Results for: LE08TW002			
Chemical					
Alkane Hydrocarbon					
Octane	--	--			
Pentadecane	--	--			
Tridecane	--	--			
Undecane	--	--			
Anion					
Chloride	12.7	--			
Cyanide	0.004 U	--			
Fluoride	0.2 U	--			
Nitrate (measured as NO ₃ -)	3.9	--			
Nitrite (measured as NO ₂ -)	0.2 U	--			
Phosphate	0.4 U	--			
Sulfate	9.949999999999999	--			
Dioxins/Furans					
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.0000000229438 U	--			
Disinfectants					
Chlorine (as Cl ₂)	0.06	0.4			
Disinfection Byproducts					
Total Trihalomethanes	0.001981	--			
Field Parameters					
Dissolved Oxygen	8.27	8.84			
Oxidation Reduction Potential	318	321			
pH	7.39	7.03			
Salinity	--	--			
Specific Conductance	0.84	0.9			
Temperature	24.4	25.74			
Total Dissolved Solids	--	--			
Total Solids	--	--			
Turbidity	4	--			
Inorganics					
Aluminum	0.0022 U	--			
Antimony	0.00014 U	--			
Arsenic	0.00379	--			
Barium	0.0175	--			
Beryllium	0.00003 U	--			
Cadmium (Diet)	--	--			
Cadmium (Water)	0.000048	--			

Attachment C - Environmental Sampling Results For Location LE08

	Tap Water - mg/L				
	Sample Results for: LE08TW001	Sample Results for: LE08TW002			
Chemical					
Chromium	0.000818	--			
Cobalt	0.000162	--			
Copper	0.128	--			
Iron	0.109	--			
Lead	0.00403	--			
Manganese (Diet)	--	--			
Manganese (Water)	0.00403	--			
Mercury	0.000023	--			
Nickel	0.0494	--			
Selenium	0.000238	--			
Silver	0.00012 U	--			
Thallium	0.000196 U	--			
Tin	0.0001 U	--			
Vanadium	0.00215	--			
Zinc	1.96	--			
Microorganisms					
Fecal Coliform	1 <	1 <			
Fecal Streptococcus	0	0			
Heterotrophic Plate Count	550	1230			
Total Coliforms (including Fecal Coliform and E. Coli)	1 <	1 <			
Pesticides					
4,4-DDD	0.0000033 U	--			
4,4-DDE	0.0000022 U	--			
4,4-DDT	0.0000066 U	--			
Aldrin	0.0000022 U	--			
alpha-BHC	0.0000033 U	--			
alpha-Chlordane	0.0000033 U	--			
beta-BHC	0.0000022 U	--			
Chlordane	--	--			
delta-BHC	0.0000011 U	--			
Dieldrin	0.0000033 U	--			
Endosulfan I	0.0000033 U	--			
Endosulfan II	0.0000022 U	--			
Endosulfan Sulfate	0.0000077 U	--			
Endrin	0.0000022 U	--			
Endrin Aldehyde	0.0000022 U	--			

Attachment C - Environmental Sampling Results For Location LE08

	Tap Water - mg/L				
	Sample Results for: LE08TW001	Sample Results for: LE08TW002			
Chemical					
gamma-BHC (Lindane)	0.0000011 U	--			
gamma-Chlordane	0.0000022 U	--			
Heptachlor	0.0000044 U	--			
Heptachlor Epoxide	0.0000044 U	--			
Methoxychlor	0.0000033 U	--			
Toxaphene	0.000011 U	--			
Polychlorinated bi-phenyls					
Aroclor 1016	0.000022 U	--			
Aroclor 1016/1260	--	--			
Aroclor 1221	0.000022 U	--			
Aroclor 1232	0.000022 U	--			
Aroclor 1242	0.000022 U	--			
Aroclor 1248	0.000022 U	--			
Aroclor 1254	0.000022 U	--			
Aroclor 1260	0.000022 U	--			
Radionuclides					
Uranium	0.000972	--			
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	0.000226 U	--			
1,2,4,5-Tetrachlorobenzene	0.000226 U	--			
2,3,4,6-Tetrachlorophenol	0.00034 U	--			
2,4,5-Trichlorophenol	0.000566 U	--			
2,4,6-Trichlorophenol	0.000566 U	--			
2,4-Dichlorophenol	0.000792 U	--			
2,4-Dimethylphenol	0.00113 U	--			
2,4-Dinitrophenol	0.00034 U	--			
2,4-Dinitrotoluene	0.00113 U	--			
2,6-Dichlorophenol	0.000905 U	--			
2,6-Dinitrotoluene	0.000113 U	--			
2-Chloronaphthalene	0.000226 U	--			
2-Chlorophenol	0.00102 U	--			
2-Methylnaphthalene	0.000226 U	--			
2-Methylphenol (o-Cresol)	0.000792 U	--			
2-Nitrophenol	0.00102 U	--			
3&4-Methylphenol	0.00136 U	--			
3-Methylphenol	--	--			
3-Nitroaniline	0.00113 U	--			

Attachment C - Environmental Sampling Results For Location LE08

Chemical	Tap Water - mg/L				
	Sample Results for: LE08TW001	Sample Results for: LE08TW002			
4,6-Dinitro-2-Methylphenol	0.000226 U	--			
4-Bromophenylphenylether	0.000113 U	--			
4-Chloro-3-Methylphenol	0.000679 U	--			
4-Chloroanalanine	0.00113 U	--			
4-Methylphenol (p-Cresol)	--	--			
4-Nitroaniline	0.00113 U	--			
4-Nitrophenol	0.00034 U	--			
Acenaphthene	0.000113 U	--			
Acenaphthylene	0.000113 U	--			
Aniline	0.00113 U	--			
Anthracene	0.000113 U	--			
Atrazine	0.000113 U	--			
Benzo(g,h,i)perylene	0.000113 U	--			
Bis(2-ethylhexyl)phthalate	0.00158 U	--			
Butylbenzylphthalate	0.000113 U	--			
Carbazole	0.000113 U	--			
Di-n-butylphthalate	0.00147 U	--			
Di-n-octylphthalate	0.000226 U	--			
Dibenzofuran	0.000113 U	--			
Diethylphthalate	0.000226 U	--			
Dimethylphthalate	0.000113 U	--			
Diphenylamine	0.000113 U	--			
Fluoranthene	0.000113 U	--			
Fluorene	0.000113 U	--			
Hexachlorobenzene	0.000113 U	--			
Hexachlorobutadiene	0.000226 U	--			
Hexachlorocyclopentadiene	0.00113 U	--			
Hexachloroethane	0.000113 U	--			
Naphthalene	0.000226 U	--			
Nitrobenzene	0.000226 U	--			
o-Toluidine	0.000792 U	--			
Pentachlorobenzene	0.000226 U	--			
Pentachloronitrobenzene	0.0000033 U	--			
Pentachlorophenol	0.00034 U	--			
Phenanthrene	0.000113 U	--			
Phenol	0.00113 U	--			

Attachment C - Environmental Sampling Results For Location LE08

	Tap Water - mg/L				
	Sample Results for: LE08TW001	Sample Results for: LE08TW002			
Chemical					
Pyrene	0.000113 U	--			
Total Carcinogenic PAHS (BaP TEQs)	0.0001356 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 LE08

Chemical	Tap Water - mg/L			
	Sample Results for: LE08TW001	Sample Results for: LE08TW002		
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	0.000307 J	--		
Bromoform	0.000982 J	--		
Bromomethane	0.00037 U	--		
Carbon Disulfide	--	--		
Carbon Tetrachloride	0.00008 U	--		
Chlorobenzene	0.00012 U	--		
Chloroethane	0.00018 U	--		
Chloroform	0.000157 J	--		
Chloromethane	0.00021 U	--		
Chloroprene	--	--		
cis-1,2-Dichloroethene	0.00013 U	--		
cis-1,3-Dichloropropene	0.00015 U	--		
Cyclohexane	--	--		
Dibromochloromethane	0.000535	--		
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 LE08

Chemical	Tap Water - mg/L			
	Sample Results for: LE08TW001	Sample Results for: LE08TW002		
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 LE10

	Soil Gas - mg/m3				
	Sample Results for: LE10SG0010018				
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 LE10

	Soil Gas - mg/m3				
	Sample Results for: LE10SG0010018				
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 LE10

	Soil Gas - mg/m3				
	Sample Results for: LE10SG0010018				
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 LE10

Chemical	Soil Gas - mg/m3				
	Sample Results for: LE10SG0010018				
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 LE10

	Soil Gas - mg/m3				
	Sample Results for: LE10SG0010018				
Chemical					
Pyrene	0.002090164 U				
Total Carcinogenic PAHS (BaP TEQs)	--				
Total Petroleum Hydrocarbon					
Tph (c03-c20)	0.002261455 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 LE10

Chemical	Soil Gas - mg/m3				
	Sample Results for: LE10SG0010018				
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 LE10

Chemical	Soil Gas - mg/m3				
	Sample Results for: LE10SG0010018				
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 LE10

Chemical	Sample Results for: LE10TW001	Tap Water - mg/L			
Alkane Hydrocarbon					
Octane	--				
Pentadecane	--				
Tridecane	--				
Undecane	--				
Anion					
Chloride	11.9				
Cyanide	0.004 U				
Fluoride	0.2 U				
Nitrate (measured as NO ₃ -)	3.62				
Nitrite (measured as NO ₂ -)	0.2 U				
Phosphate	0.4 U				
Sulfate	9.949999999999999				
Dioxins/Furans					
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.000000011801 U				
Disinfectants					
Chlorine (as Cl ₂)	0.06				
Disinfection Byproducts					
Total Trihalomethanes	0.002447				
Field Parameters					
Dissolved Oxygen	8.539999999999999				
Oxidation Reduction Potential	297				
pH	7.25				
Salinity	--				
Specific Conductance	0.85				
Temperature	23.95				
Total Dissolved Solids	--				
Total Solids	--				
Turbidity	--				
Inorganics					
Aluminum	0.00252				
Antimony	0.000362				
Arsenic	0.00328				
Barium	0.0153				
Beryllium	0.0000675				
Cadmium (Diet)	--				
Cadmium (Water)	0.000142				

Attachment C - Environmental Sampling Results For Location LE10

Chemical	Sample Results for: LE10TW001	Tap Water - mg/L			
Chromium	0.000691				
Cobalt	0.0001				
Copper	0.433				
Iron	0.0185				
Lead	0.00619				
Manganese (Diet)	--				
Manganese (Water)	0.00353				
Mercury	0.000015				
Nickel	0.068				
Selenium	0.000218				
Silver	0.00012 U				
Thallium	0.000417 U				
Tin	0.0001 U				
Vanadium	0.001 U				
Zinc	2.13				
Microorganisms					
Fecal Coliform	1 <				
Fecal Streptococcus	0				
Heterotrophic Plate Count	132				
Total Coliforms (including Fecal Coliform and E. Coli)	1 <				
Pesticides					
4,4-DDD	0.00000327 U				
4,4-DDE	0.00000218 U				
4,4-DDT	0.00000654 U				
Aldrin	0.00000218 U				
alpha-BHC	0.00000327 U				
alpha-Chlordane	0.00000327 U				
beta-BHC	0.00000218 U				
Chlordane	--				
delta-BHC	0.00000109 U				
Dieldrin	0.00000327 U				
Endosulfan I	0.00000327 U				
Endosulfan II	0.00000218 U				
Endosulfan Sulfate	0.00000763 U				
Endrin	0.00000218 U				
Endrin Aldehyde	0.00000218 U				

Attachment C - Environmental Sampling Results For Location LE10

	Chemical	Tap Water - mg/L				
		Sample Results for: LE10TW001				
	gamma-BHC (Lindane)	0.00000109 U				
	gamma-Chlordane	0.00000218 U				
	Heptachlor	0.00000436 U				
	Heptachlor Epoxide	0.00000436 U				
	Methoxychlor	0.00000327 U				
	Toxaphene	0.0000109 U				
Polychlorinated bi-phenyls						
	Aroclor 1016	0.0000218 U				
	Aroclor 1016/1260	--				
	Aroclor 1221	0.0000218 U				
	Aroclor 1232	0.0000218 U				
	Aroclor 1242	0.0000218 U				
	Aroclor 1248	0.0000218 U				
	Aroclor 1254	0.0000218 U				
	Aroclor 1260	0.0000218 U				
Radionuclides						
	Uranium	0.000978				
Semi-Volatile Organic Compounds						
	1,1'-Biphenyl	0.000196 U				
	1,2,4,5-Tetrachlorobenzene	0.000196 U				
	2,3,4,6-Tetrachlorophenol	0.000295 U				
	2,4,5-Trichlorophenol	0.000491 U				
	2,4,6-Trichlorophenol	0.000491 U				
	2,4-Dichlorophenol	0.000687 U				
	2,4-Dimethylphenol	0.000982 U				
	2,4-Dinitrophenol	0.000295 U				
	2,4-Dinitrotoluene	0.000982 U				
	2,6-Dichlorophenol	0.000785 U				
	2,6-Dinitrotoluene	0.0000982 U				
	2-Chloronaphthalene	0.000196 U				
	2-Chlorophenol	0.000884 U				
	2-Methylnaphthalene	0.000196 U				
	2-Methylphenol (o-Cresol)	0.000687 U				
	2-Nitrophenol	0.000884 U				
	3&4-Methylphenol	0.00118 U				
	3-Methylphenol	--				
	3-Nitroaniline	0.000982 U				

Attachment C - Environmental Sampling Results For Location LE10

Chemical	Sample Results for: LE10TW001	Tap Water - mg/L			
4,6-Dinitro-2-Methylphenol	0.000196 U				
4-Bromophenylphenylether	0.0000982 U				
4-Chloro-3-Methylphenol	0.000589 U				
4-Chloroanalanine	0.000982 U				
4-Methylphenol (p-Cresol)	--				
4-Nitroaniline	0.000982 U				
4-Nitrophenol	0.000295 U				
Acenaphthene	0.0000982 U				
Acenaphthylene	0.0000982 U				
Aniline	0.000982 U				
Anthracene	0.0000982 U				
Atrazine	0.0000982 U				
Benzo(g,h,i)perylene	0.0000982 U				
Bis(2-ethylhexyl)phthalate	0.00137 U				
Butylbenzylphthalate	0.0000982 U				
Carbazole	0.0000982 U				
Di-n-butylphthalate	0.00128 U				
Di-n-octylphthalate	0.000196 U				
Dibenzofuran	0.0000982 U				
Diethylphthalate	0.000196 U				
Dimethylphthalate	0.0000982 U				
Diphenylamine	0.0000982 U				
Fluoranthene	0.0000982 U				
Fluorene	0.0000982 U				
Hexachlorobenzene	0.0000982 U				
Hexachlorobutadiene	0.000196 U				
Hexachlorocyclopentadiene	0.000982 U				
Hexachloroethane	0.0000982 U				
Naphthalene	0.000196 U				
Nitrobenzene	0.000196 U				
o-Toluidine	0.000687 U				
Pentachlorobenzene	0.000196 U				
Pentachloronitrobenzene	0.00000327 U				
Pentachlorophenol	0.000295 U				
Phenanthrene	0.0000982 U				
Phenol	0.000982 U				

Attachment C - Environmental Sampling Results For Location LE10

	Chemical	Tap Water - mg/L				
		Sample Results for: LE10TW001				
Pyrene		0.0000982 U				
Total Carcinogenic PAHS (BaP TEQs)		0.00011784 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 LE10

Chemical	Tap Water - mg/L				
	Sample Results for: LE10TW001				
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	0.000542				
Bromoform	0.000857 J				
Bromomethane	0.00037 U				
Carbon Disulfide	--				
Carbon Tetrachloride	0.00008 U				
Chlorobenzene	0.00012 U				
Chloroethane	0.00018 U				
Chloroform	0.000216 J				
Chloromethane	0.00021 U				
Chloroprene	--				
cis-1,2-Dichloroethene	0.00013 U				
cis-1,3-Dichloropropene	0.00015 U				
Cyclohexane	--				
Dibromochloromethane	0.000832				
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 LE10

Chemical	Sample Results for: LE10TW001	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 LE11

Chemical	Soil - mg/kg				
	Sample Results for: LE11SS0010006				
Alkane Hydrocarbon					
Octane	--				
Pentadecane	--				
Tridecane	--				
Undecane	--				
Anion					
Chloride	--				
Cyanide	0.16 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)	0.0000002622				
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	--				
Turbidity	--				
Inorganics					
Aluminum	59800				
Antimony	0.58				
Arsenic	21				
Barium	426				
Beryllium	7.9				
Cadmium (Diet)	0.4				
Cadmium (Water)	--				

Attachment C - Environmental Sampling Results For Location LE11

Chemical	Sample Results for: LE11SS0010006	Soil - mg/kg			
Chromium	6.1				
Cobalt	6.9				
Copper	28				
Iron	27200				
Lead	45				
Manganese (Diet)	851				
Manganese (Water)	--				
Mercury	0.14				
Nickel	6.5				
Selenium	0.19				
Silver	0.13				
Thallium	2				
Tin	3.9				
Vanadium	54				
Zinc	72				
Microorganisms					
Fecal Coliform	--				
Fecal Streptococcus	--				
Heterotrophic Plate Count	--				
Total Coliforms (including Fecal Coliform and E. Coli)	--				
Pesticides					
4,4-DDD	0.000491 U				
4,4-DDE	0.000482 U				
4,4-DDT	0.000645 U				
Aldrin	0.000391 U				
alpha-BHC	0.000482 U				
alpha-Chlordane	0.000391 U				
beta-BHC	0.000591 U				
Chlordane	--				
delta-BHC	0.000536 U				
Dieldrin	0.000545 U				
Endosulfan I	0.000491 U				
Endosulfan II	0.000391 U				
Endosulfan Sulfate	0.000555 U				
Endrin	0.000627 U				
Endrin Aldehyde	0.000564 U				

Attachment C - Environmental Sampling Results For Location LE11

Chemical	Sample Results for: LE11SS0010006	Soil - mg/kg			
gamma-BHC (Lindane)	0.000464 U				
gamma-Chlordane	0.000427 U				
Heptachlor	0.000555 U				
Heptachlor Epoxide	0.000427 U				
Methoxychlor	0.000691 U				
Toxaphene	0.00692 U				
Polychlorinated bi-phenyls					
Aroclor 1016	0.00807 U				
Aroclor 1016/1260	--				
Aroclor 1221	0.00807 U				
Aroclor 1232	0.00807 U				
Aroclor 1242	0.00807 U				
Aroclor 1248	0.00807 U				
Aroclor 1254	0.00807 U				
Aroclor 1260	0.00807 U				
Radionuclides					
Uranium	--				
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	0.0186 U				
1,2,4,5-Tetrachlorobenzene	0.0149 U				
2,3,4,6-Tetrachlorophenol	0.0881 U				
2,4,5-Trichlorophenol	0.153 U				
2,4,6-Trichlorophenol	0.0819 U				
2,4-Dichlorophenol	0.0956 U				
2,4-Dimethylphenol	0.184 U				
2,4-Dinitrophenol	0.0683 U				
2,4-Dinitrotoluene	0.0223 U				
2,6-Dichlorophenol	0.0583 U				
2,6-Dinitrotoluene	0.0186 U				
2-Chloronaphthalene	0.00993 U				
2-Chlorophenol	0.0621 U				
2-Methylnaphthalene	0.0211 U				
2-Methylphenol (o-Cresol)	0.124 U				
2-Nitrophenol	0.0782 U				
3&4-Methylphenol	0.143 U				
3-Methylphenol	--				
3-Nitroaniline	0.0223 U				

Attachment C - Environmental Sampling Results For Location LE11

Chemical	Sample Results for: LE11SS0010006	Soil - mg/kg			
4,6-Dinitro-2-Methylphenol	0.0831 U				
4-Bromophenylphenylether	0.0149 U				
4-Chloro-3-Methylphenol	0.109 U				
4-Chloroaniline	0.0285 U				
4-Methylphenol (p-Cresol)	--				
4-Nitroaniline	0.0546 U				
4-Nitrophenol	0.146 U				
Acenaphthene	0.0124 U				
Acenaphthylene	0.0112 U				
Aniline	0.0248 U				
Anthracene	0.0149 U				
Atrazine	0.0323 U				
Benzo(g,h,i)perylene	0.0347 U				
Bis(2-ethylhexyl)phthalate	0.13 U				
Butylbenzylphthalate	0.0372 U				
Carbazole	0.0223 U				
Di-n-butylphthalate	0.0534 U				
Di-n-octylphthalate	0.0248 U				
Dibenzofuran	0.0124 U				
Diethylphthalate	0.0211 U				
Dimethylphthalate	0.0161 U				
Diphenylamine	0.0645 U				
Fluoranthene	0.0236 U				
Fluorene	0.0149 U				
Hexachlorobenzene	0.0137 U				
Hexachlorobutadiene	0.0124 U				
Hexachlorocyclopentadiene	0.0174 U				
Hexachloroethane	0.0137 U				
Naphthalene	0.00745 U				
Nitrobenzene	0.0186 U				
o-Toluidine	0.0223 U				
Pentachlorobenzene	0.0347 U				
Pentachloronitrobenzene	0.000455 U				
Pentachlorophenol	0.191 U				
Phenanthrene	0.0372 U				
Phenol	0.0422 U				

Attachment C - Environmental Sampling Results For Location LE11

Chemical	Sample Results for: LE11SS0010006	Soil - mg/kg			
Pyrene	0.0223 U				
Total Carcinogenic PAHS (BaP TEQs)	0.0535691 U				
Total Petroleum Hydrocarbon					
Tph (c03-c20)	--				
Tph (c08-c40)	--				
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	0.000422 U				
1,1,1-Trichloroethane	0.000562 U				
1,1,2,2-Tetrachloroethane	0.000281 U				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.00451 J				
1,1,2-Trichloroethane	0.000422 U				
1,1-Dichloroethane	0.000984 U				
1,1-Dichloroethene	0.000703 U				
1,2,3-Trichlorobenzene	0.000703 U				
1,2,3-Trichloropropane	0.000422 U				
1,2,4-Trichlorobenzene	0.000422 U				
1,2,4-Trimethylbenzene	0.000562 U				
1,2-Dibromo-3-Chloropropane	0.000562 U				
1,2-Dibromoethane	0.000141 U				
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	0.000844 U				
1,2-Dichlorobenzene	0.000141 U				
1,2-Dichloroethane	0.000281 U				
1,2-Dichloropropane	0.000422 U				
1,3,5-Trimethylbenzene	0.000281 U				
1,3-Butadiene	--				
1,3-Dichlorobenzene	0.000281 U				
1,3-Dichloropropane	0.000281 U				
1,4-Dichlorobenzene	0.000141 U				
2,2-Dichloropropane	0.000703 U				
2-Butanone (methyl ethyl ketone)	0.00253 U				
2-Chlorotoluene	0.000422 U				
2-Hexanone	0.00141 U				
4-Chlorotoluene	0.000281 U				
4-Isopropyltoluene	0.000281 U				
4-Methyl-2-Pentanone	0.000422 U				
Acetaldehyde	--				

Attachment C - Environmental Sampling Results For Location LE11

Chemical	Sample Results for: LE11SS0010006	Soil - mg/kg			
Acetone	0.0218				
Acetonitrile	--				
Acetophenone	--				
Acrolein	0.00717 U				
Acrylonitrile	--				
Benzene	0.000422 U				
Bis(2-Chloroethyl)ether	--				
Bis(chloromethyl)ether	--				
Bromochloromethane	0.000562 U				
Bromodichloromethane	0.000562 U				
Bromoform	0.000281 U				
Bromomethane	0.00422 U				
Carbon Disulfide	--				
Carbon Tetrachloride	0.000562 U				
Chlorobenzene	0.000281 U				
Chloroethane	0.000562 U				
Chloroform	0.000984 U				
Chloromethane	0.00127 U				
Chloroprene	--				
cis-1,2-Dichloroethene	0.000984 U				
cis-1,3-Dichloropropene	0.000141 U				
Cyclohexane	--				
Dibromochloromethane	0.000141 U				
Dibromomethane	--				
Dichlorodifluoromethane (Freon 12)	0.000422 U				
Ethylbenzene	0.000422 U				
Formaldehyde	--				
Hexane	--				
Isobutyl Alcohol	--				
Isophorone	--				
Isopropylbenzene	0.000281 U				
m,p-Xylenes	0.000844 U				
Methyl Acetate	--				
Methyl tert-Butyl Ether	0.000703 U				
Methylcyclohexane	--				
Methylene Chloride	0.00141 U				

Attachment C - Environmental Sampling Results For Location LE11

Chemical	Sample Results for: LE11SS0010006	Soil - mg/kg			
n-Butylbenzene	0.000281 U				
n-Propylbenzene	0.000422 U				
o-Xylene	0.000281 U				
Pentachloroethane	--				
sec-Butylbenzene	0.000281 U				
Styrene	0.000281 U				
tert-Butylbenzene	0.000562 U				
Tetrachloroethene	0.000844 U				
Toluene	0.000703 J				
trans-1,2-Dichloroethene	0.000844 U				
trans-1,3-Dichloropropene	0.000422 U				
Trans-1,4-Dichloro-2-Butene	--				
Trichloroethene	0.000703 U				
Trichlorofluoromethane	0.00112 U				
Vinyl Acetate	--				
Vinyl Chloride	0.000562 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 LE11

	Soil Gas - mg/m3				
	Sample Results for: LE11SG0010018				
Chemical					
Alkane Hydrocarbon					
Octane	0.001253153 U				
Pentadecane	0.004003854				
Tridecane	0.003756793				
Undecane	0.002822717				
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 LE11

	Soil Gas - mg/m3				
	Sample Results for: LE11SG0010018				
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 LE11

	Soil Gas - mg/m3				
	Sample Results for: LE11SG0010018				
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 LE11

Chemical	Soil Gas - mg/m3				
	Sample Results for: LE11SG0010018				
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 LE11

	Soil Gas - mg/m3				
	Sample Results for: LE11SG0010018				
Chemical					
Pyrene	0.002090164 U				
Total Carcinogenic PAHS (BaP TEQs)	--				
Total Petroleum Hydrocarbon					
Tph (c03-c20)	0.35178779				
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 LE11

Chemical	Soil Gas - mg/m3				
	Sample Results for: LE11SG0010018				
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 LE11

Chemical	Soil Gas - mg/m3				
	Sample Results for: LE11SG0010018				
Methylene Chloride	--				
n-Butylbenzene	--				
n-Propylbenzene	--				
o-Xylene	0.001322952 U				
Pentachloroethane	--				
sec-Butylbenzene	--				
Styrene	--				
tert-Butylbenzene	--				
Tetrachloroethene	0.040132512				
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 LE11

Chemical	Sample Results for: LE11TW001	Tap Water - mg/L			
Alkane Hydrocarbon					
Octane	--				
Pentadecane	--				
Tridecane	--				
Undecane	--				
Anion					
Chloride	9.84				
Cyanide	0.004 U				
Fluoride	0.2 U				
Nitrate (measured as NO ₃ -)	3.47				
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)	0.000000001824				
Disinfectants					
Chlorine (as Cl ₂)	0.02				
Disinfection Byproducts					
Total Trihalomethanes	0.001984				
Field Parameters					
Dissolved Oxygen	9.6				
Oxidation Reduction Potential	301				
pH	7.43				
Salinity	--				
Specific Conductance	0.82				
Temperature	28				
Total Dissolved Solids	--				
Total Solids	--				
Turbidity	17				
Inorganics					
Aluminum	0.0118				
Antimony	0.00014 U				
Arsenic	0.00532				
Barium	0.0174				
Beryllium	0.00003 U				
Cadmium (Diet)	--				
Cadmium (Water)	0.00004 U				

Attachment C - Environmental Sampling Results For Location LE11

Chemical	Sample Results for: LE11TW001	Tap Water - mg/L			
Chromium	0.000769				
Cobalt	0.0000722				
Copper	0.0206				
Iron	0.0135				
Lead	0.00083				
Manganese (Diet)	--				
Manganese (Water)	0.000369				
Mercury	0.000015 U				
Nickel	0.00196				
Selenium	0.000209				
Silver	0.00012 U				
Thallium	0.000153 U				
Tin	0.000123				
Vanadium	0.0023				
Zinc	1.32				
Microorganisms					
Fecal Coliform	1 <				
Fecal Streptococcus	0				
Heterotrophic Plate Count	9				
Total Coliforms (including Fecal Coliform and E. Coli)	1 <				
Pesticides					
4,4-DDD	0.00000312 U				
4,4-DDE	0.00000208 U				
4,4-DDT	0.00000625 U				
Aldrin	0.00000208 U				
alpha-BHC	0.00000312 U				
alpha-Chlordane	0.00000312 U				
beta-BHC	0.00000208 U				
Chlordane	--				
delta-BHC	0.00000104 U				
Dieldrin	0.00000312 U				
Endosulfan I	0.00000312 U				
Endosulfan II	0.00000208 U				
Endosulfan Sulfate	0.00000729 U				
Endrin	0.00000208 U				
Endrin Aldehyde	0.00000208 U				

Attachment C - Environmental Sampling Results For Location LE11

	Sample Results for: LE11TW001	Tap Water - mg/L			
Chemical					
gamma-BHC (Lindane)	0.00000104 U				
gamma-Chlordane	0.00000208 U				
Heptachlor	0.00000417 U				
Heptachlor Epoxide	0.00000417 U				
Methoxychlor	0.00000312 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	0.0009				
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	0.000203 U				
1,2,4,5-Tetrachlorobenzene	0.000203 U				
2,3,4,6-Tetrachlorophenol	0.000305 U				
2,4,5-Trichlorophenol	0.000508 U				
2,4,6-Trichlorophenol	0.000508 U				
2,4-Dichlorophenol	0.000712 U				
2,4-Dimethylphenol	0.00102 U				
2,4-Dinitrophenol	0.000305 U				
2,4-Dinitrotoluene	0.00102 U				
2,6-Dichlorophenol	0.000813 U				
2,6-Dinitrotoluene	0.000102 U				
2-Chloronaphthalene	0.000203 U				
2-Chlorophenol	0.000915 U				
2-Methylnaphthalene	0.000203 U				
2-Methylphenol (o-Cresol)	0.000712 U				
2-Nitrophenol	0.000915 U				
3&4-Methylphenol	0.00122 U				
3-Methylphenol	--				
3-Nitroaniline	0.00102 U				

Attachment C - Environmental Sampling Results For Location LE11

Chemical	Sample Results for: LE11TW001	Tap Water - mg/L			
4,6-Dinitro-2-Methylphenol	0.000203 U				
4-Bromophenylphenylether	0.000102 U				
4-Chloro-3-Methylphenol	0.00061 U				
4-Chloroanalanine	0.00102 U				
4-Methylphenol (p-Cresol)	--				
4-Nitroaniline	0.00102 U				
4-Nitrophenol	0.000305 U				
Acenaphthene	0.000102 U				
Acenaphthylene	0.000102 U				
Aniline	0.00102 U				
Anthracene	0.000102 U				
Atrazine	0.000102 U				
Benzo(g,h,i)perylene	0.000102 U				
Bis(2-ethylhexyl)phthalate	0.00142 U				
Butylbenzylphthalate	0.000102 U				
Carbazole	0.000102 U				
Di-n-butylphthalate	0.00132 U				
Di-n-octylphthalate	0.000203 U				
Dibenzofuran	0.000102 U				
Diethylphthalate	0.000203 U				
Dimethylphthalate	0.000102 U				
Diphenylamine	0.000102 U				
Fluoranthene	0.000102 U				
Fluorene	0.000102 U				
Hexachlorobenzene	0.000102 U				
Hexachlorobutadiene	0.000203 U				
Hexachlorocyclopentadiene	0.00102 U				
Hexachloroethane	0.000102 U				
Naphthalene	0.000203 U				
Nitrobenzene	0.000203 U				
o-Toluidine	0.000712 U				
Pentachlorobenzene	0.000203 U				
Pentachloronitrobenzene	0.00000312 U				
Pentachlorophenol	0.000305 U				
Phenanthrene	0.000102 U				
Phenol	0.00102 U				

Attachment C - Environmental Sampling Results For Location LE11

	Chemical	Tap Water - mg/L				
		Sample Results for: LE11TW001				
Pyrene		0.000102 U				
Total Carcinogenic PAHS (BaP TEQs)		0.0001224 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 LE11

Chemical	Tap Water - mg/L				
	Sample Results for: LE11TW001				
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	0.000381 J				
Bromoform	0.000787 J				
Bromomethane	0.00037 U				
Carbon Disulfide	--				
Carbon Tetrachloride	0.00008 U				
Chlorobenzene	0.00012 U				
Chloroethane	0.00018 U				
Chloroform	0.000237 J				
Chloromethane	0.00021 U				
Chloroprene	--				
cis-1,2-Dichloroethene	0.00013 U				
cis-1,3-Dichloropropene	0.00015 U				
Cyclohexane	--				
Dibromochloromethane	0.000579				
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 LE11

Chemical	Sample Results for: LE11TW001	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 LE12

Chemical	Soil - mg/kg				
	Sample Results for: LE12SS0010006				
Alkane Hydrocarbon					
Octane	--				
Pentadecane	--				
Tridecane	--				
Undecane	--				
Anion					
Chloride	--				
Cyanide	0.162 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)	0.0000000542				
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	--				
Turbidity	--				
Inorganics					
Aluminum	52400				
Antimony	0.68				
Arsenic	14.6				
Barium	413				
Beryllium	5.85				
Cadmium (Diet)	0.235				
Cadmium (Water)	--				

Attachment C - Environmental Sampling Results For Location LE12

Chemical	Sample Results for: LE12SS0010006	Soil - mg/kg			
Chromium	5.84				
Cobalt	6.08				
Copper	57.8				
Iron	24100				
Lead	70.7				
Manganese (Diet)	779				
Manganese (Water)	--				
Mercury	0.137				
Nickel	6.18				
Selenium	0.183				
Silver	0.323				
Thallium	1.78				
Tin	7.6				
Vanadium	58				
Zinc	61.4				
Microorganisms					
Fecal Coliform	--				
Fecal Streptococcus	--				
Heterotrophic Plate Count	--				
Total Coliforms (including Fecal Coliform and E. Coli)	--				
Pesticides					
4,4-DDD	0.000617 U				
4,4-DDE	0.000605 U				
4,4-DDT	0.000811 U				
Aldrin	0.000491 U				
alpha-BHC	0.000605 U				
alpha-Chlordane	0.000491 U				
beta-BHC	0.000742 U				
Chlordane	--				
delta-BHC	0.000674 U				
Dieldrin	0.000685 U				
Endosulfan I	0.000617 U				
Endosulfan II	0.000491 U				
Endosulfan Sulfate	0.000697 U				
Endrin	0.000788 U				
Endrin Aldehyde	0.000708 U				

Attachment C - Environmental Sampling Results For Location LE12

Chemical	Sample Results for: LE12SS0010006	Soil - mg/kg			
gamma-BHC (Lindane)	0.000582 U				
gamma-Chlordane	0.000537 U				
Heptachlor	0.000697 U				
Heptachlor Epoxide	0.000537 U				
Methoxychlor	0.000868 U				
Toxaphene	0.00685 U				
Polychlorinated bi-phenyls					
Aroclor 1016	0.00799 U				
Aroclor 1016/1260	--				
Aroclor 1221	0.00799 U				
Aroclor 1232	0.00799 U				
Aroclor 1242	0.00799 U				
Aroclor 1248	0.00799 U				
Aroclor 1254	0.00799 U				
Aroclor 1260	0.00799 U				
Radionuclides					
Uranium	--				
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	0.0198 U				
1,2,4,5-Tetrachlorobenzene	0.0158 U				
2,3,4,6-Tetrachlorophenol	0.0936 U				
2,4,5-Trichlorophenol	0.162 U				
2,4,6-Trichlorophenol	0.0871 U				
2,4-Dichlorophenol	0.102 U				
2,4-Dimethylphenol	0.195 U				
2,4-Dinitrophenol	0.0725 U				
2,4-Dinitrotoluene	0.0237 U				
2,6-Dichlorophenol	0.062 U				
2,6-Dinitrotoluene	0.0198 U				
2-Chloronaphthalene	0.0106 U				
2-Chlorophenol	0.066 U				
2-Methylnaphthalene	0.0224 U				
2-Methylphenol (o-Cresol)	0.132 U				
2-Nitrophenol	0.0831 U				
3&4-Methylphenol	0.152 U				
3-Methylphenol	--				
3-Nitroaniline	0.0237 U				

Attachment C - Environmental Sampling Results For Location LE12

Chemical	Sample Results for: LE12SS0010006	Soil - mg/kg			
4,6-Dinitro-2-Methylphenol	0.0884 U				
4-Bromophenylphenylether	0.0158 U				
4-Chloro-3-Methylphenol	0.116 U				
4-Chloroaniline	0.0303 U				
4-Methylphenol (p-Cresol)	--				
4-Nitroaniline	0.058 U				
4-Nitrophenol	0.156 U				
Acenaphthene	0.0132 U				
Acenaphthylene	0.0119 U				
Aniline	0.0264 U				
Anthracene	0.0158 U				
Atrazine	0.0343 U				
Benzo(g,h,i)perylene	0.0369 U				
Bis(2-ethylhexyl)phthalate	0.138 U				
Butylbenzylphthalate	0.0396 U				
Carbazole	0.0237 U				
Di-n-butylphthalate	0.0567 U				
Di-n-octylphthalate	0.0264 U				
Dibenzofuran	0.0132 U				
Diethylphthalate	0.0224 U				
Dimethylphthalate	0.0171 U				
Diphenylamine	0.0686 U				
Fluoranthene	0.0251 U				
Fluorene	0.0158 U				
Hexachlorobenzene	0.0145 U				
Hexachlorobutadiene	0.0132 U				
Hexachlorocyclopentadiene	0.0185 U				
Hexachloroethane	0.0145 U				
Naphthalene	0.00791 U				
Nitrobenzene	0.0198 U				
o-Toluidine	0.0237 U				
Pentachlorobenzene	0.0369 U				
Pentachloronitrobenzene	0.000571 U				
Pentachlorophenol	0.203 U				
Phenanthrene	0.0396 U				
Phenol	0.0448 U				

Attachment C - Environmental Sampling Results For Location LE12

Chemical	Sample Results for: LE12SS0010006	Soil - mg/kg			
Pyrene	0.0237 U				
Total Carcinogenic PAHS (BaP TEQs)	0.0569041 U				
Total Petroleum Hydrocarbon					
Tph (c03-c20)	--				
Tph (c08-c40)	--				
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	0.000493 U				
1,1,1-Trichloroethane	0.000657 U				
1,1,2,2-Tetrachloroethane	0.000329 U				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.00453 J				
1,1,2-Trichloroethane	0.000493 U				
1,1-Dichloroethane	0.00115 U				
1,1-Dichloroethene	0.000822 U				
1,2,3-Trichlorobenzene	0.000822 U				
1,2,3-Trichloropropane	0.000493 U				
1,2,4-Trichlorobenzene	0.000493 U				
1,2,4-Trimethylbenzene	0.000657 U				
1,2-Dibromo-3-Chloropropane	0.000657 U				
1,2-Dibromoethane	0.000164 U				
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	0.000986 U				
1,2-Dichlorobenzene	0.000164 U				
1,2-Dichloroethane	0.000329 U				
1,2-Dichloropropane	0.000493 U				
1,3,5-Trimethylbenzene	0.000329 U				
1,3-Butadiene	--				
1,3-Dichlorobenzene	0.000329 U				
1,3-Dichloropropane	0.000329 U				
1,4-Dichlorobenzene	0.000164 U				
2,2-Dichloropropane	0.000822 U				
2-Butanone (methyl ethyl ketone)	0.00296 U				
2-Chlorotoluene	0.000493 U				
2-Hexanone	0.00164 U				
4-Chlorotoluene	0.000329 U				
4-Isopropyltoluene	0.000329 U				
4-Methyl-2-Pentanone	0.000493 U				
Acetaldehyde	--				

Attachment C - Environmental Sampling Results For Location LE12

Chemical	Sample Results for: LE12SS0010006	Soil - mg/kg			
Acetone	0.00953 U				
Acetonitrile	--				
Acetophenone	--				
Acrolein	0.00838 U				
Acrylonitrile	--				
Benzene	0.000493 U				
Bis(2-Chloroethyl)ether	--				
Bis(chloromethyl)ether	--				
Bromochloromethane	0.000657 U				
Bromodichloromethane	0.000657 U				
Bromoform	0.000329 U				
Bromomethane	0.00493 U				
Carbon Disulfide	--				
Carbon Tetrachloride	0.000657 U				
Chlorobenzene	0.000329 U				
Chloroethane	0.000657 U				
Chloroform	0.00115 U				
Chloromethane	0.00148 U				
Chloroprene	--				
cis-1,2-Dichloroethene	0.00115 U				
cis-1,3-Dichloropropene	0.000164 U				
Cyclohexane	--				
Dibromochloromethane	0.000164 U				
Dibromomethane	--				
Dichlorodifluoromethane (Freon 12)	0.000493 U				
Ethylbenzene	0.000493 U				
Formaldehyde	--				
Hexane	--				
Isobutyl Alcohol	--				
Isophorone	--				
Isopropylbenzene	0.000329 U				
m,p-Xylenes	0.000986 U				
Methyl Acetate	--				
Methyl tert-Butyl Ether	0.000822 U				
Methylcyclohexane	--				
Methylene Chloride	0.00164 U				

Attachment C - Environmental Sampling Results For Location LE12

Chemical	Sample Results for: LE12SS0010006	Soil - mg/kg			
n-Butylbenzene	0.000329 U				
n-Propylbenzene	0.000493 U				
o-Xylene	0.000329 U				
Pentachloroethane	--				
sec-Butylbenzene	0.000329 U				
Styrene	0.000329 U				
tert-Butylbenzene	0.000657 U				
Tetrachloroethene	0.000986 U				
Toluene	0.00406 J				
trans-1,2-Dichloroethene	0.000986 U				
trans-1,3-Dichloropropene	0.000493 U				
Trans-1,4-Dichloro-2-Butene	--				
Trichloroethene	0.000822 U				
Trichlorofluoromethane	0.00131 U				
Vinyl Acetate	--				
Vinyl Chloride	0.000657 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 LE12

Chemical	Sample Results for: LE12TW001	Tap Water - mg/L			
Alkane Hydrocarbon					
Octane	--				
Pentadecane	--				
Tridecane	--				
Undecane	--				
Anion					
Chloride	10.8				
Cyanide	0.004 U				
Fluoride	0.2 U				
Nitrate (measured as NO ₃ -)	3.5				
Nitrite (measured as NO ₂ -)	0.2 U				
Phosphate	0.4 U				
Sulfate	9.34				
Dioxins/Furans					
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.0000000093513 U				
Disinfectants					
Chlorine (as Cl ₂)	0.06				
Disinfection Byproducts					
Total Trihalomethanes	0.001556				
Field Parameters					
Dissolved Oxygen	7.61				
Oxidation Reduction Potential	311				
pH	7.45				
Salinity	--				
Specific Conductance	0.82				
Temperature	26.97				
Total Dissolved Solids	--				
Total Solids	--				
Turbidity	--				
Inorganics					
Aluminum	0.0022 U				
Antimony	0.00014 U				
Arsenic	0.00405				
Barium	0.0171				
Beryllium	0.00003 U				
Cadmium (Diet)	--				
Cadmium (Water)	0.00004 U				

Attachment C - Environmental Sampling Results For Location LE12

Chemical	Sample Results for: LE12TW001	Tap Water - mg/L			
Chromium	0.000671				
Cobalt	0.000121				
Copper	0.0403				
Iron	0.0223				
Lead	0.00207				
Manganese (Diet)	--				
Manganese (Water)	0.000716				
Mercury	0.000025				
Nickel	0.0251				
Selenium	0.000215				
Silver	0.00012 U				
Thallium	0.000148 U				
Tin	0.0001 U				
Vanadium	0.00193				
Zinc	1.63				
Microorganisms					
Fecal Coliform	1 <				
Fecal Streptococcus	0				
Heterotrophic Plate Count	29				
Total Coliforms (including Fecal Coliform and E. Coli)	1 <				
Pesticides					
4,4-DDD	0.00000324 U				
4,4-DDE	0.00000216 U				
4,4-DDT	0.00000649 U				
Aldrin	0.00000216 U				
alpha-BHC	0.00000324 U				
alpha-Chlordane	0.00000324 U				
beta-BHC	0.00000216 U				
Chlordane	--				
delta-BHC	0.00000108 U				
Dieldrin	0.00000324 U				
Endosulfan I	0.00000324 U				
Endosulfan II	0.00000216 U				
Endosulfan Sulfate	0.00000757 U				
Endrin	0.00000216 U				
Endrin Aldehyde	0.00000216 U				

Attachment C - Environmental Sampling Results For Location LE12

	Sample Results for: LE12TW001	Tap Water - mg/L			
Chemical					
gamma-BHC (Lindane)	0.00000108 U				
gamma-Chlordane	0.00000216 U				
Heptachlor	0.00000432 U				
Heptachlor Epoxide	0.00000432 U				
Methoxychlor	0.00000324 U				
Toxaphene	0.0000108 U				
Polychlorinated bi-phenyls					
Aroclor 1016	0.0000216 U				
Aroclor 1016/1260	--				
Aroclor 1221	0.0000216 U				
Aroclor 1232	0.0000216 U				
Aroclor 1242	0.0000216 U				
Aroclor 1248	0.0000216 U				
Aroclor 1254	0.0000216 U				
Aroclor 1260	0.0000216 U				
Radionuclides					
Uranium	0.00111				
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	0.000213 U				
1,2,4,5-Tetrachlorobenzene	0.000213 U				
2,3,4,6-Tetrachlorophenol	0.000319 U				
2,4,5-Trichlorophenol	0.000532 U				
2,4,6-Trichlorophenol	0.000532 U				
2,4-Dichlorophenol	0.000745 U				
2,4-Dimethylphenol	0.00106 U				
2,4-Dinitrophenol	0.000319 U				
2,4-Dinitrotoluene	0.00106 U				
2,6-Dichlorophenol	0.000851 U				
2,6-Dinitrotoluene	0.000106 U				
2-Chloronaphthalene	0.000213 U				
2-Chlorophenol	0.000958 U				
2-Methylnaphthalene	0.000213 U				
2-Methylphenol (o-Cresol)	0.000745 U				
2-Nitrophenol	0.000958 U				
3&4-Methylphenol	0.00128 U				
3-Methylphenol	--				
3-Nitroaniline	0.00106 U				

Attachment C - Environmental Sampling Results For Location LE12

Chemical	Sample Results for: LE12TW001	Tap Water - mg/L			
4,6-Dinitro-2-Methylphenol	0.000213 U				
4-Bromophenylphenylether	0.000106 U				
4-Chloro-3-Methylphenol	0.000639 U				
4-Chloroanalanine	0.00106 U				
4-Methylphenol (p-Cresol)	--				
4-Nitroaniline	0.00106 U				
4-Nitrophenol	0.000319 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	0.00149 U				
Butylbenzylphthalate	0.000106 U				
Carbazole	0.000106 U				
Di-n-butylphthalate	0.00138 U				
Di-n-octylphthalate	0.000213 U				
Dibenzofuran	0.000106 U				
Diethylphthalate	0.000213 U				
Dimethylphthalate	0.000106 U				
Diphenylamine	0.000106 U				
Fluoranthene	0.000106 U				
Fluorene	0.000106 U				
Hexachlorobenzene	0.000106 U				
Hexachlorobutadiene	0.000213 U				
Hexachlorocyclopentadiene	0.00106 U				
Hexachloroethane	0.000106 U				
Naphthalene	0.000213 U				
Nitrobenzene	0.000213 U				
o-Toluidine	0.000745 U				
Pentachlorobenzene	0.000213 U				
Pentachloronitrobenzene	0.00000324 U				
Pentachlorophenol	0.000319 U				
Phenanthrene	0.000106 U				
Phenol	0.00106 U				

Attachment C - Environmental Sampling Results For Location LE12

	Chemical	Tap Water - mg/L				
		Sample Results for: LE12TW001				
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 LE12

Chemical	Tap Water - mg/L				
	Sample Results for: LE12TW001				
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	0.000186 J				
Bromoform	0.000867 J				
Bromomethane	0.00037 U				
Carbon Disulfide	--				
Carbon Tetrachloride	0.00008 U				
Chlorobenzene	0.00012 U				
Chloroethane	0.00018 U				
Chloroform	0.000131 J				
Chloromethane	0.00021 U				
Chloroprene	--				
cis-1,2-Dichloroethene	0.00013 U				
cis-1,3-Dichloropropene	0.00015 U				
Cyclohexane	--				
Dibromochloromethane	0.000372 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 LE12

Chemical	Sample Results for: LE12TW001	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 LE15

Chemical	Soil - mg/kg				
	Sample Results for: LE15SS0010006				
Alkane Hydrocarbon					
Octane	--				
Pentadecane	--				
Tridecane	--				
Undecane	--				
Anion					
Chloride	--				
Cyanide	0.146 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)	0.0000002007				
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	82.59999999999999				
Turbidity	--				
Inorganics					
Aluminum	22100				
Antimony	0.328				
Arsenic	6.16				
Barium	158				
Beryllium	3.25				
Cadmium (Diet)	0.187				
Cadmium (Water)	--				

Attachment C - Environmental Sampling Results For Location LE15

Chemical	Sample Results for: LE15SS0010006	Soil - mg/kg				
Chromium	2.82					
Cobalt	3.64					
Copper	13.7					
Iron	12500					
Lead	25					
Manganese (Diet)	440					
Manganese (Water)	--					
Mercury	0.106 U					
Nickel	3.51					
Selenium	0.0778 U					
Silver	0.0973 U					
Thallium	1.02 U					
Tin	2.27					
Vanadium	22.5					
Zinc	38.8					
Microorganisms						
Fecal Coliform	--					
Fecal Streptococcus	--					
Heterotrophic Plate Count	--					
Total Coliforms (including Fecal Coliform and E. Coli)	--					
Pesticides						
4,4-DDD	0.000479 U					
4,4-DDE	0.00047 U					
4,4-DDT	0.000629 U					
Aldrin	0.000381 U					
alpha-BHC	0.00047 U					
alpha-Chlordane	0.000381 U					
beta-BHC	0.000576 U					
Chlordane	--					
delta-BHC	0.000523 U					
Dieldrin	0.000532 U					
Endosulfan I	0.000479 U					
Endosulfan II	0.000381 U					
Endosulfan Sulfate	0.000541 U					
Endrin	0.000612 U					
Endrin Aldehyde	0.00055 U					

Attachment C - Environmental Sampling Results For Location LE15

Chemical	Sample Results for: LE15SS0010006	Soil - mg/kg			
gamma-BHC (Lindane)	0.000452 U				
gamma-Chlordane	0.000417 U				
Heptachlor	0.000541 U				
Heptachlor Epoxide	0.000417 U				
Methoxychlor	0.000674 U				
Toxaphene	0.00644 U				
Polychlorinated bi-phenyls					
Aroclor 1016	0.00751 UJ				
Aroclor 1016/1260	--				
Aroclor 1221	0.00751 UJ				
Aroclor 1232	0.00751 UJ				
Aroclor 1242	0.00751 UJ				
Aroclor 1248	0.00751 UJ				
Aroclor 1254	0.00751 UJ				
Aroclor 1260	0.00751 UJ				
Radionuclides					
Uranium	--				
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	0.0162 U				
1,2,4,5-Tetrachlorobenzene	0.013 U				
2,3,4,6-Tetrachlorophenol	0.0767 U				
2,4,5-Trichlorophenol	0.133 U				
2,4,6-Trichlorophenol	0.0713 U				
2,4-Dichlorophenol	0.0832 U				
2,4-Dimethylphenol	0.16 U				
2,4-Dinitrophenol	0.0594 UJ				
2,4-Dinitrotoluene	0.0194 U				
2,6-Dichlorophenol	0.0508 U				
2,6-Dinitrotoluene	0.0162 U				
2-Chloronaphthalene	0.00864 U				
2-Chlorophenol	0.054 U				
2-Methylnaphthalene	0.0184 U				
2-Methylphenol (o-Cresol)	0.108 U				
2-Nitrophenol	0.0681 U				
3&4-Methylphenol	0.124 U				
3-Methylphenol	--				
3-Nitroaniline	0.0194 U				

Attachment C - Environmental Sampling Results For Location LE15

Chemical	Sample Results for: LE15SS0010006	Soil - mg/kg			
4,6-Dinitro-2-Methylphenol	0.0724 U				
4-Bromophenylphenylether	0.013 U				
4-Chloro-3-Methylphenol	0.0951 U				
4-Chloroaniline	0.0249 U				
4-Methylphenol (p-Cresol)	--				
4-Nitroaniline	0.0475 U				
4-Nitrophenol	0.127 U				
Acenaphthene	0.0108 U				
Acenaphthylene	0.00972 U				
Aniline	0.0216 U				
Anthracene	0.013 U				
Atrazine	0.0281 U				
Benzo(g,h,i)perylene	0.0303 U				
Bis(2-ethylhexyl)phthalate	0.113 U				
Butylbenzylphthalate	0.0324 U				
Carbazole	0.0194 U				
Di-n-butylphthalate	0.0465 U				
Di-n-octylphthalate	0.0216 U				
Dibenzofuran	0.0108 U				
Diethylphthalate	0.0184 U				
Dimethylphthalate	0.014 U				
Diphenylamine	0.0562 U				
Fluoranthene	0.0205 U				
Fluorene	0.013 U				
Hexachlorobenzene	0.0119 U				
Hexachlorobutadiene	0.0108 U				
Hexachlorocyclopentadiene	0.0151 U				
Hexachloroethane	0.0119 U				
Naphthalene	0.00648 U				
Nitrobenzene	0.0162 U				
o-Toluidine	0.0194 U				
Pentachlorobenzene	0.0303 U				
Pentachloronitrobenzene	0.000443 UJ				
Pentachlorophenol	0.166 U				
Phenanthrene	0.0324 U				
Phenol	0.0367 U				

Attachment C - Environmental Sampling Results For Location LE15

Chemical	Sample Results for: LE15SS0010006	Soil - mg/kg			
Pyrene	0.0194 U				
Total Carcinogenic PAHS (BaP TEQs)	0.046648 U				
Total Petroleum Hydrocarbon					
Tph (c03-c20)	--				
Tph (c08-c40)	--				
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	0.000439 U				
1,1,1-Trichloroethane	0.000586 U				
1,1,2,2-Tetrachloroethane	0.000293 U				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.00684 J				
1,1,2-Trichloroethane	0.000439 U				
1,1-Dichloroethane	0.00103 U				
1,1-Dichloroethene	0.000732 U				
1,2,3-Trichlorobenzene	0.000732 U				
1,2,3-Trichloropropane	--				
1,2,4-Trichlorobenzene	0.000439 U				
1,2,4-Trimethylbenzene	0.00425 J				
1,2-Dibromo-3-Chloropropane	0.000586 U				
1,2-Dibromoethane	0.000146 U				
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	0.000879 U				
1,2-Dichlorobenzene	0.000146 U				
1,2-Dichloroethane	0.000293 U				
1,2-Dichloropropane	0.000439 U				
1,3,5-Trimethylbenzene	0.00483 J				
1,3-Butadiene	--				
1,3-Dichlorobenzene	0.003 J				
1,3-Dichloropropane	0.000293 U				
1,4-Dichlorobenzene	0.00279 J				
2,2-Dichloropropane	0.000732 U				
2-Butanone (methyl ethyl ketone)	0.00264 U				
2-Chlorotoluene	0.00342 J				
2-Hexanone	0.00146 U				
4-Chlorotoluene	0.00373 J				
4-Isopropyltoluene	0.00427 J				
4-Methyl-2-Pentanone	0.000439 U				
Acetaldehyde	--				

Attachment C - Environmental Sampling Results For Location LE15

Chemical	Sample Results for: LE15SS0010006	Soil - mg/kg			
Acetone	0.0122 J				
Acetonitrile	--				
Acetophenone	--				
Acrolein	--				
Acrylonitrile	--				
Benzene	0.000439 U				
Bis(2-Chloroethyl)ether	--				
Bis(chloromethyl)ether	--				
Bromochloromethane	0.000586 U				
Bromodichloromethane	0.000586 U				
Bromoform	0.000293 U				
Bromomethane	0.00439 U				
Carbon Disulfide	--				
Carbon Tetrachloride	0.000586 U				
Chlorobenzene	0.000293 U				
Chloroethane	0.000586 U				
Chloroform	0.00103 U				
Chloromethane	0.00132 U				
Chloroprene	--				
cis-1,2-Dichloroethene	0.00103 U				
cis-1,3-Dichloropropene	0.000146 U				
Cyclohexane	--				
Dibromochloromethane	0.000146 U				
Dibromomethane	--				
Dichlorodifluoromethane (Freon 12)	0.000439 U				
Ethylbenzene	0.0042 J				
Formaldehyde	--				
Hexane	--				
Isobutyl Alcohol	--				
Isophorone	--				
Isopropylbenzene	0.00319 J				
m,p-Xylenes	0.00678 J				
Methyl Acetate	--				
Methyl tert-Butyl Ether	0.000732 U				
Methylcyclohexane	--				
Methylene Chloride	0.00146 U				

Attachment C - Environmental Sampling Results For Location LE15

Chemical	Sample Results for: LE15SS0010006	Soil - mg/kg			
n-Butylbenzene	0.00324 J				
n-Propylbenzene	0.00467 J				
o-Xylene	0.00343 J				
Pentachloroethane	--				
sec-Butylbenzene	0.00351 J				
Styrene	0.00338 J				
tert-Butylbenzene	0.00439 J				
Tetrachloroethene	0.000879 U				
Toluene	0.00439 J				
trans-1,2-Dichloroethene	0.000879 U				
trans-1,3-Dichloropropene	0.000439 U				
Trans-1,4-Dichloro-2-Butene	--				
Trichloroethene	0.000732 U				
Trichlorofluoromethane	0.00117 U				
Vinyl Acetate	--				
Vinyl Chloride	0.000586 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 LE15

	Soil Gas - mg/m3				
	Sample Results for: LE15SG0010018				
Chemical					
Alkane Hydrocarbon					
Octane	0.001253153 U				
Pentadecane	0.023900771				
Tridecane	0.006407414				
Undecane	0.001069844				
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 LE15

	Soil Gas - mg/m3				
	Sample Results for: LE15SG0010018				
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 LE15

	Soil Gas - mg/m3				
	Sample Results for: LE15SG0010018				
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 LE15

Chemical	Soil Gas - mg/m3				
	Sample Results for: LE15SG0010018				
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 LE15

	Soil Gas - mg/m3				
	Sample Results for: LE15SG0010018				
Chemical					
Pyrene	0.002090164 U				
Total Carcinogenic PAHS (BaP TEQs)	--				
Total Petroleum Hydrocarbon					
Tph (c03-c20)	0.765448648				
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 LE15

Chemical	Soil Gas - mg/m3				
	Sample Results for: LE15SG0010018				
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 LE15

Chemical	Soil Gas - mg/m3				
	Sample Results for: LE15SG0010018				
Methylene Chloride	--				
n-Butylbenzene	--				
n-Propylbenzene	--				
o-Xylene	0.001322952 U				
Pentachloroethane	--				
sec-Butylbenzene	--				
Styrene	--				
tert-Butylbenzene	--				
Tetrachloroethene	0.003602536				
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 LE15

Chemical	Sample Results for: LE15TW001	Tap Water - mg/L			
Alkane Hydrocarbon					
Octane	--				
Pentadecane	--				
Tridecane	--				
Undecane	--				
Anion					
Chloride	11.3				
Cyanide	0.004 U				
Fluoride	0.2 U				
Nitrate (measured as NO ₃ -)	3.77				
Nitrite (measured as NO ₂ -)	0.2 UJ				
Phosphate	0.4 UJ				
Sulfate	9.710000000000001				
Dioxins/Furans					
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.0000000111163 U				
Disinfectants					
Chlorine (as Cl ₂)	0.12				
Disinfection Byproducts					
Total Trihalomethanes	0.001993				
Field Parameters					
Dissolved Oxygen	9.029999999999999				
Oxidation Reduction Potential	309				
pH	7.16				
Salinity	--				
Specific Conductance	0.94				
Temperature	23.98				
Total Dissolved Solids	--				
Total Solids	--				
Turbidity	--				
Inorganics					
Aluminum	0.0022 U				
Antimony	0.00014 U				
Arsenic	0.00442				
Barium	0.0168				
Beryllium	0.000064 U				
Cadmium (Diet)	--				
Cadmium (Water)	0.00004 U				

Attachment C - Environmental Sampling Results For Location LE15

Chemical	Sample Results for: LE15TW001	Tap Water - mg/L			
Chromium	0.000579				
Cobalt	0.000101				
Copper	0.0513				
Iron	0.0162				
Lead	0.0016				
Manganese (Diet)	--				
Manganese (Water)	0.000945				
Mercury	0.000015 U				
Nickel	0.0127				
Selenium	0.000304				
Silver	0.00012 U				
Thallium	0.00012 U				
Tin	0.0001 U				
Vanadium	0.00192				
Zinc	2				
Microorganisms					
Fecal Coliform	1 <				
Fecal Streptococcus	0				
Heterotrophic Plate Count	58				
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 UJ				
Endrin	0.000002 U				
Endrin Aldehyde	0.000002 U				

Attachment C - Environmental Sampling Results For Location LE15

	Sample Results for: LE15TW001	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 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	0.00103				
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	0.000193 U				
1,2,4,5-Tetrachlorobenzene	0.000193 U				
2,3,4,6-Tetrachlorophenol	0.000289 U				
2,4,5-Trichlorophenol	0.000482 U				
2,4,6-Trichlorophenol	0.000482 U				
2,4-Dichlorophenol	0.000674 U				
2,4-Dimethylphenol	0.000963 U				
2,4-Dinitrophenol	0.000289 U				
2,4-Dinitrotoluene	0.000963 U				
2,6-Dichlorophenol	0.000771 U				
2,6-Dinitrotoluene	0.0000963 U				
2-Chloronaphthalene	0.000193 U				
2-Chlorophenol	0.000867 U				
2-Methylnaphthalene	0.000193 U				
2-Methylphenol (o-Cresol)	0.000674 U				
2-Nitrophenol	0.000867 U				
3&4-Methylphenol	0.00116 U				
3-Methylphenol	--				
3-Nitroaniline	0.000963 U				

Attachment C - Environmental Sampling Results For Location LE15

Chemical	Sample Results for: LE15TW001	Tap Water - mg/L			
4,6-Dinitro-2-Methylphenol	0.000193 U				
4-Bromophenylphenylether	0.0000963 U				
4-Chloro-3-Methylphenol	0.000578 U				
4-Chloroanalanine	0.000963 U				
4-Methylphenol (p-Cresol)	--				
4-Nitroaniline	0.000963 U				
4-Nitrophenol	0.000289 U				
Acenaphthene	0.0000963 U				
Acenaphthylene	0.0000963 U				
Aniline	0.000963 U				
Anthracene	0.0000963 U				
Atrazine	0.0000963 U				
Benzo(g,h,i)perylene	0.0000963 U				
Bis(2-ethylhexyl)phthalate	0.00135 U				
Butylbenzylphthalate	0.0000963 U				
Carbazole	0.0000963 U				
Di-n-butylphthalate	0.00125 U				
Di-n-octylphthalate	0.000193 UJ				
Dibenzofuran	0.0000963 U				
Diethylphthalate	0.000193 U				
Dimethylphthalate	0.0000963 U				
Diphenylamine	0.0000963 U				
Fluoranthene	0.0000963 U				
Fluorene	0.0000963 U				
Hexachlorobenzene	0.0000963 U				
Hexachlorobutadiene	0.000193 U				
Hexachlorocyclopentadiene	0.000963 U				
Hexachloroethane	0.0000963 U				
Naphthalene	0.000193 U				
Nitrobenzene	0.000193 U				
o-Toluidine	0.000674 U				
Pentachlorobenzene	0.000193 U				
Pentachloronitrobenzene	0.000003 U				
Pentachlorophenol	0.000289 U				
Phenanthrene	0.0000963 U				
Phenol	0.000963 U				

Attachment C - Environmental Sampling Results For Location LE15

	Chemical	Tap Water - mg/L				
		Sample Results for: LE15TW001				
Pyrene		0.0000963 U				
Total Carcinogenic PAHS (BaP TEQs)		0.00011556 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 LE15

Chemical	Tap Water - mg/L				
	Sample Results for: LE15TW001				
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	0.000476 J				
Bromoform	0.000593 J				
Bromomethane	0.00037 U				
Carbon Disulfide	--				
Carbon Tetrachloride	0.00008 U				
Chlorobenzene	0.00012 U				
Chloroethane	0.00018 U				
Chloroform	0.000288 J				
Chloromethane	0.00021 U				
Chloroprene	--				
cis-1,2-Dichloroethene	0.00013 U				
cis-1,3-Dichloropropene	0.00015 U				
Cyclohexane	--				
Dibromochloromethane	0.000636				
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 LE15

Chemical	Sample Results for: LE15TW001	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 LE19

Chemical	Sample Results for: LE19SS0010006	Soil - mg/kg			
Alkane Hydrocarbon					
Octane	--				
Pentadecane	--				
Tridecane	--				
Undecane	--				
Anion					
Chloride	--				
Cyanide	0.14 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)	0.0000005303				
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	88.5				
Turbidity	--				
Inorganics					
Aluminum	20900				
Antimony	0.31				
Arsenic	5.5				
Barium	130				
Beryllium	2.9				
Cadmium (Diet)	0.17				
Cadmium (Water)	--				

Attachment C - Environmental Sampling Results For Location LE19

Chemical	Sample Results for: LE19SS0010006	Soil - mg/kg			
Chromium	2.9				
Cobalt	2.9				
Copper	8.9				
Iron	10800				
Lead	20				
Manganese (Diet)	394				
Manganese (Water)	--				
Mercury	0.103 UJ				
Nickel	2.9				
Selenium	0.17				
Silver	0.1 U				
Thallium	0.92 U				
Tin	1.4				
Vanadium	19				
Zinc	36				
Microorganisms					
Fecal Coliform	--				
Fecal Streptococcus	--				
Heterotrophic Plate Count	--				
Total Coliforms (including Fecal Coliform and E. Coli)	--				
Pesticides					
4,4-DDD	0.000474 U				
4,4-DDE	0.000465 U				
4,4-DDT	0.000623 U				
Aldrin	0.000377 U				
alpha-BHC	0.000465 U				
alpha-Chlordane	0.000377 U				
beta-BHC	0.00057 U				
Chlordane	--				
delta-BHC	0.000518 U				
Dieldrin	0.000526 U				
Endosulfan I	0.000474 U				
Endosulfan II	0.000377 U				
Endosulfan Sulfate	0.000535 U				
Endrin	0.000605 U				
Endrin Aldehyde	0.000544 U				

Attachment C - Environmental Sampling Results For Location LE19

Chemical	Sample Results for: LE19SS0010006	Soil - mg/kg			
gamma-BHC (Lindane)	0.000447 U				
gamma-Chlordane	0.000412 U				
Heptachlor	0.000535 U				
Heptachlor Epoxide	0.000412 U				
Methoxychlor	0.000667 U				
Toxaphene	0.00595 U				
Polychlorinated bi-phenyls					
Aroclor 1016	0.00694 UJ				
Aroclor 1016/1260	--				
Aroclor 1221	0.00694 UJ				
Aroclor 1232	0.00694 UJ				
Aroclor 1242	0.00694 UJ				
Aroclor 1248	0.00694 UJ				
Aroclor 1254	0.00694 UJ				
Aroclor 1260	0.00694 UJ				
Radionuclides					
Uranium	--				
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	0.0146 U				
1,2,4,5-Tetrachlorobenzene	0.0117 U				
2,3,4,6-Tetrachlorophenol	0.0693 U				
2,4,5-Trichlorophenol	0.12 U				
2,4,6-Trichlorophenol	0.0644 U				
2,4-Dichlorophenol	0.0751 U				
2,4-Dimethylphenol	0.144 U				
2,4-Dinitrophenol	0.0537 UJ				
2,4-Dinitrotoluene	0.0176 U				
2,6-Dichlorophenol	0.0458 U				
2,6-Dinitrotoluene	0.0146 U				
2-Chloronaphthalene	0.0078 U				
2-Chlorophenol	0.0488 U				
2-Methylnaphthalene	0.0166 U				
2-Methylphenol (o-Cresol)	0.0976 U				
2-Nitrophenol	0.0615 U				
3&4-Methylphenol	0.112 U				
3-Methylphenol	--				
3-Nitroaniline	0.0176 U				

Attachment C - Environmental Sampling Results For Location LE19

Chemical	Sample Results for: LE19SS0010006	Soil - mg/kg			
4,6-Dinitro-2-Methylphenol	0.0654 U				
4-Bromophenylphenylether	0.0117 U				
4-Chloro-3-Methylphenol	0.0858 U				
4-Chloroanalanine	0.0224 U				
4-Methylphenol (p-Cresol)	--				
4-Nitroaniline	0.0429 U				
4-Nitrophenol	0.115 U				
Acenaphthene	0.00976 U				
Acenaphthylene	0.00878 U				
Aniline	0.0195 U				
Anthracene	0.0117 U				
Atrazine	0.0254 U				
Benzo(g,h,i)perylene	0.0273 U				
Bis(2-ethylhexyl)phthalate	0.102 U				
Butylbenzylphthalate	0.0293 U				
Carbazole	0.0176 U				
Di-n-butylphthalate	0.0419 U				
Di-n-octylphthalate	0.0195 U				
Dibenzofuran	0.00976 U				
Diethylphthalate	0.0166 U				
Dimethylphthalate	0.0127 U				
Diphenylamine	0.0507 U				
Fluoranthene	0.0185 U				
Fluorene	0.0117 U				
Hexachlorobenzene	0.0107 U				
Hexachlorobutadiene	0.00976 U				
Hexachlorocyclopentadiene	0.0137 U				
Hexachloroethane	0.0107 U				
Naphthalene	0.00585 U				
Nitrobenzene	0.0146 U				
o-Toluidine	0.0176 U				
Pentachlorobenzene	0.0273 U				
Pentachloronitrobenzene	0.000439 UJ				
Pentachlorophenol	0.15 U				
Phenanthrene	0.0293 U				
Phenol	0.0332 U				

Attachment C - Environmental Sampling Results For Location LE19

Chemical	Sample Results for: LE19SS0010006	Soil - mg/kg			
Pyrene	0.0176 U				
Total Carcinogenic PAHS (BaP TEQs)	0.0421887 U				
Total Petroleum Hydrocarbon					
Tph (c03-c20)	--				
Tph (c08-c40)	--				
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	0.000483 UJ				
1,1,1-Trichloroethane	0.000644 UJ				
1,1,2,2-Tetrachloroethane	0.000322 UJ				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.00113 UJ				
1,1,2-Trichloroethane	0.00387 J				
1,1-Dichloroethane	0.00113 UJ				
1,1-Dichloroethene	0.000805 UJ				
1,2,3-Trichlorobenzene	0.000805 UJ				
1,2,3-Trichloropropane	--				
1,2,4-Trichlorobenzene	0.000483 UJ				
1,2,4-Trimethylbenzene	0.00201 J				
1,2-Dibromo-3-Chloropropane	0.000644 UJ				
1,2-Dibromoethane	0.000161 UJ				
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	0.000965 UJ				
1,2-Dichlorobenzene	0.000161 UJ				
1,2-Dichloroethane	0.000322 UJ				
1,2-Dichloropropane	0.000483 UJ				
1,3,5-Trimethylbenzene	0.00301 J				
1,3-Butadiene	--				
1,3-Dichlorobenzene	0.00168 J				
1,3-Dichloropropane	0.00223 J				
1,4-Dichlorobenzene	0.00218 J				
2,2-Dichloropropane	0.000805 UJ				
2-Butanone (methyl ethyl ketone)	0.0029 UJ				
2-Chlorotoluene	0.000483 UJ				
2-Hexanone	0.00161 UJ				
4-Chlorotoluene	0.000322 UJ				
4-Isopropyltoluene	0.00212 J				
4-Methyl-2-Pentanone	0.000483 UJ				
Acetaldehyde	--				

Attachment C - Environmental Sampling Results For Location LE19

Chemical	Sample Results for: LE19SS0010006	Soil - mg/kg			
Acetone	0.00963 J				
Acetonitrile	--				
Acetophenone	--				
Acrolein	--				
Acrylonitrile	--				
Benzene	0.000483 UJ				
Bis(2-Chloroethyl)ether	--				
Bis(chloromethyl)ether	--				
Bromochloromethane	0.000644 UJ				
Bromodichloromethane	0.00228 J				
Bromoform	0.000322 UJ				
Bromomethane	0.00483 UJ				
Carbon Disulfide	--				
Carbon Tetrachloride	0.000644 UJ				
Chlorobenzene	0.00179 J				
Chloroethane	0.000644 UJ				
Chloroform	0.00113 UJ				
Chloromethane	0.00145 UJ				
Chloroprene	--				
cis-1,2-Dichloroethene	0.00113 UJ				
cis-1,3-Dichloropropene	0.00171 J				
Cyclohexane	--				
Dibromochloromethane	0.000161 UJ				
Dibromomethane	--				
Dichlorodifluoromethane (Freon 12)	0.000483 UJ				
Ethylbenzene	0.00395 J				
Formaldehyde	--				
Hexane	--				
Isobutyl Alcohol	--				
Isophorone	--				
Isopropylbenzene	0.00365 J				
m,p-Xylenes	0.00573 J				
Methyl Acetate	--				
Methyl tert-Butyl Ether	0.000805 UJ				
Methylcyclohexane	--				
Methylene Chloride	0.00161 UJ				

Attachment C - Environmental Sampling Results For Location LE19

Chemical	Sample Results for: LE19SS0010006	Soil - mg/kg			
n-Butylbenzene	0.00142 J				
n-Propylbenzene	0.00251 J				
o-Xylene	0.00284 J				
Pentachloroethane	--				
sec-Butylbenzene	0.00191 J				
Styrene	0.0035 J				
tert-Butylbenzene	0.00282 J				
Tetrachloroethene	0.00332 J				
Toluene	0.0115 J				
trans-1,2-Dichloroethene	0.000965 UJ				
trans-1,3-Dichloropropene	0.000483 UJ				
Trans-1,4-Dichloro-2-Butene	--				
Trichloroethene	0.000805 UJ				
Trichlorofluoromethane	0.00129 UJ				
Vinyl Acetate	--				
Vinyl Chloride	0.000644 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 LE19

	Soil Gas - mg/m3				
	Sample Results for: LE19SG0010018				
Chemical					
Alkane Hydrocarbon					
Octane	0.001253153 U				
Pentadecane	0.007184248				
Tridecane	0.004213085				
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 LE19

	Soil Gas - mg/m3				
	Sample Results for: LE19SG0010018				
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 LE19

	Soil Gas - mg/m3				
	Sample Results for: LE19SG0010018				
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 LE19

Chemical	Soil Gas - mg/m3				
	Sample Results for: LE19SG0010018				
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 LE19

	Soil Gas - mg/m3				
	Sample Results for: LE19SG0010018				
Chemical					
Pyrene	0.002090164 U				
Total Carcinogenic PAHS (BaP TEQs)	--				
Total Petroleum Hydrocarbon					
Tph (c03-c20)	0.54441613				
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 LE19

Chemical	Soil Gas - mg/m3				
	Sample Results for: LE19SG0010018				
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 LE19

Chemical	Soil Gas - mg/m3				
	Sample Results for: LE19SG0010018				
Methylene Chloride	--				
n-Butylbenzene	--				
n-Propylbenzene	--				
o-Xylene	0.001322952 U				
Pentachloroethane	--				
sec-Butylbenzene	--				
Styrene	--				
tert-Butylbenzene	--				
Tetrachloroethene	0.005685086				
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 LE19

	Tap Water - mg/L			
	Sample Results for: LE19TW001	Sample Results for: LE19TW002	Sample Results for: LE19TW003	
Chemical				
Alkane Hydrocarbon				
Octane	--	--	--	
Pentadecane	--	--	--	
Tridecane	--	--	--	
Undecane	--	--	--	
Anion				
Chloride	9.58 J	--	--	
Cyanide	0.004 U	--	--	
Fluoride	0.2 U	--	--	
Nitrate (measured as NO3-)	3.54	--	--	
Nitrite (measured as NO2-)	0.2 UJ	--	--	
Phosphate	0.4 UJ	--	--	
Sulfate	8.279999999999999	--	--	
Dioxins/Furans				
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.00000000084384	--	--	
Disinfectants				
Chlorine (as Cl2)	0.06	0.06	0.06	
Disinfection Byproducts				
Total Trihalomethanes	0.001858	--	--	
Field Parameters				
Dissolved Oxygen	8.99	8.24	8.26	
Oxidation Reduction Potential	305	312	321	
pH	7.13	7.13	7.12	
Salinity	--	--	--	
Specific Conductance	0.916	1.1	0.9	
Temperature	25.72	24.82	31.12	
Total Dissolved Solids	--	--	--	
Total Solids	--	--	--	
Turbidity	--	--	--	
Inorganics				
Aluminum	0.0022 U	--	--	
Antimony	0.00014 U	--	--	
Arsenic	0.00406	--	--	
Barium	0.0146	--	--	
Beryllium	0.000055 U	--	--	
Cadmium (Diet)	--	--	--	
Cadmium (Water)	0.00004 U	--	--	

Attachment C - Environmental Sampling Results For Location LE19

	Tap Water - mg/L			
	Sample Results for: LE19TW001	Sample Results for: LE19TW002	Sample Results for: LE19TW003	
Chemical				
Chromium	0.000616	--	--	
Cobalt	0.000098	--	--	
Copper	0.0439	--	--	
Iron	0.0113	--	--	
Lead	0.00178	--	--	
Manganese (Diet)	--	--	--	
Manganese (Water)	0.000604	--	--	
Mercury	0.000015 U	--	--	
Nickel	0.0527	--	--	
Selenium	0.000301	--	--	
Silver	0.00012 U	--	--	
Thallium	0.00048 U	--	--	
Tin	0.0001 U	--	--	
Vanadium	0.00132	--	--	
Zinc	1.13	--	--	
Microorganisms				
Fecal Coliform	1 <	1 <	1 <	
Fecal Streptococcus	0	0	0	
Heterotrophic Plate Count	78	0	310	
Total Coliforms (including Fecal Coliform and E. Coli)	1	1 <	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 LE19

	Tap Water - mg/L			
	Sample Results for: LE19TW001	Sample Results for: LE19TW002	Sample Results for: LE19TW003	
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	0.00101	--	--	
Semi-Volatile Organic Compounds				
1,1'-Biphenyl	0.000195 U	--	--	
1,2,4,5-Tetrachlorobenzene	0.000195 U	--	--	
2,3,4,6-Tetrachlorophenol	0.000292 U	--	--	
2,4,5-Trichlorophenol	0.000486 U	--	--	
2,4,6-Trichlorophenol	0.000486 U	--	--	
2,4-Dichlorophenol	0.000681 U	--	--	
2,4-Dimethylphenol	0.000973 U	--	--	
2,4-Dinitrophenol	0.000292 U	--	--	
2,4-Dinitrotoluene	0.000973 U	--	--	
2,6-Dichlorophenol	0.000778 U	--	--	
2,6-Dinitrotoluene	0.0000973 U	--	--	
2-Chloronaphthalene	0.000195 U	--	--	
2-Chlorophenol	0.000876 U	--	--	
2-Methylnaphthalene	0.000195 U	--	--	
2-Methylphenol (o-Cresol)	0.000681 U	--	--	
2-Nitrophenol	0.000876 U	--	--	
3&4-Methylphenol	0.00117 U	--	--	
3-Methylphenol	--	--	--	
3-Nitroaniline	0.000973 U	--	--	

Attachment C - Environmental Sampling Results For Location LE19

Chemical	Tap Water - mg/L		
	Sample Results for: LE19TW001	Sample Results for: LE19TW002	Sample Results for: LE19TW003
4,6-Dinitro-2-Methylphenol	0.000195 U	--	--
4-Bromophenylphenylether	0.0000973 U	--	--
4-Chloro-3-Methylphenol	0.000584 U	--	--
4-Chloroaniline	0.000973 U	--	--
4-Methylphenol (p-Cresol)	--	--	--
4-Nitroaniline	0.000973 U	--	--
4-Nitrophenol	0.000292 U	--	--
Acenaphthene	0.0000973 U	--	--
Acenaphthylene	0.0000973 U	--	--
Aniline	0.000973 U	--	--
Anthracene	0.0000973 U	--	--
Atrazine	0.0000973 U	--	--
Benzo(g,h,i)perylene	0.0000973 U	--	--
Bis(2-ethylhexyl)phthalate	0.00136 U	--	--
Butylbenzylphthalate	0.0000973 U	--	--
Carbazole	0.0000973 U	--	--
Di-n-butylphthalate	0.00126 U	--	--
Di-n-octylphthalate	0.000195 UJ	--	--
Dibenzofuran	0.0000973 U	--	--
Diethylphthalate	0.000195 U	--	--
Dimethylphthalate	0.0000973 U	--	--
Diphenylamine	0.0000973 U	--	--
Fluoranthene	0.0000973 U	--	--
Fluorene	0.0000973 U	--	--
Hexachlorobenzene	0.0000973 U	--	--
Hexachlorobutadiene	0.000195 U	--	--
Hexachlorocyclopentadiene	0.000973 U	--	--
Hexachloroethane	0.0000973 U	--	--
Naphthalene	0.000195 U	--	--
Nitrobenzene	0.000195 U	--	--
o-Toluidine	0.000681 U	--	--
Pentachlorobenzene	0.000195 U	--	--
Pentachloronitrobenzene	0.000003 UJ	--	--
Pentachlorophenol	0.000292 U	--	--
Phenanthrene	0.0000973 U	--	--
Phenol	0.000973 U	--	--

Attachment C - Environmental Sampling Results For Location LE19

	Tap Water - mg/L			
	Sample Results for: LE19TW001	Sample Results for: LE19TW002	Sample Results for: LE19TW003	
Chemical				
Pyrene	0.0000973 U	--	--	
Total Carcinogenic PAHS (BaP TEQs)	0.00011676 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 LE19

Chemical	Tap Water - mg/L		
	Sample Results for: LE19TW001	Sample Results for: LE19TW002	Sample Results for: LE19TW003
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	0.000411 J	--	--
Bromoform	0.000577 J	--	--
Bromomethane	0.00037 U	--	--
Carbon Disulfide	--	--	--
Carbon Tetrachloride	0.00008 U	--	--
Chlorobenzene	0.00012 U	--	--
Chloroethane	0.00018 U	--	--
Chloroform	0.00023 J	--	--
Chloromethane	0.00021 U	--	--
Chloroprene	--	--	--
cis-1,2-Dichloroethene	0.00013 U	--	--
cis-1,3-Dichloropropene	0.00015 U	--	--
Cyclohexane	--	--	--
Dibromochloromethane	0.00064	--	--
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 LE19

Chemical	Tap Water - mg/L		
	Sample Results for: LE19TW001	Sample Results for: LE19TW002	Sample Results for: LE19TW003
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 LE20

Chemical	Soil - mg/kg				
	Sample Results for: LE20SS0010006				
Alkane Hydrocarbon					
Octane	--				
Pentadecane	--				
Tridecane	--				
Undecane	--				
Anion					
Chloride	--				
Cyanide	0.16 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)	0.00000043513				
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	77.09999999999999				
Turbidity	--				
Inorganics					
Aluminum	28800				
Antimony	0.363				
Arsenic	7.79				
Barium	188				
Beryllium	3.61				
Cadmium (Diet)	0.196				
Cadmium (Water)	--				

Attachment C - Environmental Sampling Results For Location LE20

Chemical	Sample Results for: LE20SS0010006	Soil - mg/kg			
Chromium	4.57				
Cobalt	3.94				
Copper	14				
Iron	15100				
Lead	27.3				
Manganese (Diet)	508				
Manganese (Water)	--				
Mercury	0.109 U				
Nickel	4.15				
Selenium	0.0965				
Silver	0.114				
Thallium	0.954 U				
Tin	2.98				
Vanadium	28.4				
Zinc	53.5				
Microorganisms					
Fecal Coliform	--				
Fecal Streptococcus	--				
Heterotrophic Plate Count	--				
Total Coliforms (including Fecal Coliform and E. Coli)	--				
Pesticides					
4,4-DDD	0.000458 UJ				
4,4-DDE	0.000449 UJ				
4,4-DDT	0.000602 UJ				
Aldrin	0.000364 UJ				
alpha-BHC	0.000449 UJ				
alpha-Chlordane	0.000364 UJ				
beta-BHC	0.000551 UJ				
Chlordane	--				
delta-BHC	0.0005 UJ				
Dieldrin	0.000508 UJ				
Endosulfan I	0.000458 UJ				
Endosulfan II	0.000364 UJ				
Endosulfan Sulfate	0.000517 UJ				
Endrin	0.000585 UJ				
Endrin Aldehyde	0.000525 UJ				

Attachment C - Environmental Sampling Results For Location LE20

Chemical	Sample Results for: LE20SS0010006	Soil - mg/kg			
gamma-BHC (Lindane)	0.000432 UJ				
gamma-Chlordane	0.000398 UJ				
Heptachlor	0.000517 UJ				
Heptachlor Epoxide	0.000398 UJ				
Methoxychlor	0.000644 UJ				
Toxaphene	0.0066 UJ				
Polychlorinated bi-phenyls					
Aroclor 1016	0.0077 UJ				
Aroclor 1016/1260	--				
Aroclor 1221	0.0077 UJ				
Aroclor 1232	0.0077 UJ				
Aroclor 1242	0.0077 UJ				
Aroclor 1248	0.0077 UJ				
Aroclor 1254	0.0077 UJ				
Aroclor 1260	0.0077 UJ				
Radionuclides					
Uranium	--				
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	0.0176 U				
1,2,4,5-Tetrachlorobenzene	0.0141 U				
2,3,4,6-Tetrachlorophenol	0.0833 U				
2,4,5-Trichlorophenol	0.144 U				
2,4,6-Trichlorophenol	0.0775 U				
2,4-Dichlorophenol	0.0904 U				
2,4-Dimethylphenol	0.174 U				
2,4-Dinitrophenol	0.0645 UJ				
2,4-Dinitrotoluene	0.0211 U				
2,6-Dichlorophenol	0.0552 U				
2,6-Dinitrotoluene	0.0176 U				
2-Chloronaphthalene	0.00939 U				
2-Chlorophenol	0.0587 U				
2-Methylnaphthalene	0.0199 U				
2-Methylphenol (o-Cresol)	0.117 U				
2-Nitrophenol	0.0739 U				
3&4-Methylphenol	0.135 U				
3-Methylphenol	--				
3-Nitroaniline	0.0211 U				

Attachment C - Environmental Sampling Results For Location LE20

Chemical	Sample Results for: LE20SS0010006	Soil - mg/kg			
4,6-Dinitro-2-Methylphenol	0.0786 U				
4-Bromophenylphenylether	0.0141 U				
4-Chloro-3-Methylphenol	0.103 U				
4-Chloroanaline	0.027 U				
4-Methylphenol (p-Cresol)	--				
4-Nitroaniline	0.0516 U				
4-Nitrophenol	0.138 U				
Acenaphthene	0.0117 U				
Acenaphthylene	0.0106 U				
Aniline	0.0235 U				
Anthracene	0.0141 U				
Atrazine	0.0305 U				
Benzo(g,h,i)perylene	0.0329 U				
Bis(2-ethylhexyl)phthalate	0.123 U				
Butylbenzylphthalate	0.0352 U				
Carbazole	0.0211 U				
Di-n-butylphthalate	0.0505 U				
Di-n-octylphthalate	0.0235 U				
Dibenzofuran	0.0117 U				
Diethylphthalate	0.0199 U				
Dimethylphthalate	0.0153 U				
Diphenylamine	0.061 U				
Fluoranthene	0.0223 U				
Fluorene	0.0141 U				
Hexachlorobenzene	0.0129 U				
Hexachlorobutadiene	0.0117 U				
Hexachlorocyclopentadiene	0.0164 U				
Hexachloroethane	0.0129 U				
Naphthalene	0.00704 U				
Nitrobenzene	0.0176 U				
o-Toluidine	0.0211 U				
Pentachlorobenzene	0.0329 U				
Pentachloronitrobenzene	0.000424 UJ				
Pentachlorophenol	0.181 U				
Phenanthrene	0.0352 U				
Phenol	0.0399 U				

Attachment C - Environmental Sampling Results For Location LE20

Chemical	Sample Results for: LE20SS0010006	Soil - mg/kg			
Pyrene	0.0211 U				
Total Carcinogenic PAHS (BaP TEQs)	0.0506163 U				
Total Petroleum Hydrocarbon					
Tph (c03-c20)	--				
Tph (c08-c40)	--				
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	0.000574 U				
1,1,1-Trichloroethane	0.000766 U				
1,1,2,2-Tetrachloroethane	0.000383 U				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.00134 U				
1,1,2-Trichloroethane	0.000574 U				
1,1-Dichloroethane	0.00134 U				
1,1-Dichloroethene	0.000957 U				
1,2,3-Trichlorobenzene	0.000957 U				
1,2,3-Trichloropropane	--				
1,2,4-Trichlorobenzene	0.000574 U				
1,2,4-Trimethylbenzene	0.00222 J				
1,2-Dibromo-3-Chloropropane	0.000766 U				
1,2-Dibromoethane	0.000191 U				
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	0.00115 U				
1,2-Dichlorobenzene	0.000191 U				
1,2-Dichloroethane	0.000383 U				
1,2-Dichloropropane	0.000574 U				
1,3,5-Trimethylbenzene	0.00279 J				
1,3-Butadiene	--				
1,3-Dichlorobenzene	0.000383 U				
1,3-Dichloropropane	0.00172 J				
1,4-Dichlorobenzene	0.000191 U				
2,2-Dichloropropane	0.000957 U				
2-Butanone (methyl ethyl ketone)	0.00345 U				
2-Chlorotoluene	0.000574 U				
2-Hexanone	0.00191 U				
4-Chlorotoluene	0.000383 U				
4-Isopropyltoluene	0.00192 J				
4-Methyl-2-Pentanone	0.000574 U				
Acetaldehyde	--				

Attachment C - Environmental Sampling Results For Location LE20

Chemical	Sample Results for: LE20SS0010006	Soil - mg/kg			
Acetone	0.0478				
Acetonitrile	--				
Acetophenone	--				
Acrolein	--				
Acrylonitrile	--				
Benzene	0.000574 U				
Bis(2-Chloroethyl)ether	--				
Bis(chloromethyl)ether	--				
Bromochloromethane	0.000766 U				
Bromodichloromethane	0.000766 U				
Bromoform	0.000383 U				
Bromomethane	0.00574 U				
Carbon Disulfide	--				
Carbon Tetrachloride	0.000766 U				
Chlorobenzene	0.00251 J				
Chloroethane	0.000766 U				
Chloroform	0.00134 U				
Chloromethane	0.00172 U				
Chloroprene	--				
cis-1,2-Dichloroethene	0.00134 U				
cis-1,3-Dichloropropene	0.000191 U				
Cyclohexane	--				
Dibromochloromethane	0.000191 U				
Dibromomethane	--				
Dichlorodifluoromethane (Freon 12)	0.000574 U				
Ethylbenzene	0.00284 J				
Formaldehyde	--				
Hexane	--				
Isobutyl Alcohol	--				
Isophorone	--				
Isopropylbenzene	0.00296 J				
m,p-Xylenes	0.00522 J				
Methyl Acetate	--				
Methyl tert-Butyl Ether	0.000957 U				
Methylcyclohexane	--				
Methylene Chloride	0.00191 U				

Attachment C - Environmental Sampling Results For Location LE20

Chemical	Sample Results for: LE20SS0010006	Soil - mg/kg			
n-Butylbenzene	0.00136 J				
n-Propylbenzene	0.00274 J				
o-Xylene	0.00279 J				
Pentachloroethane	--				
sec-Butylbenzene	0.00212 J				
Styrene	0.00308 J				
tert-Butylbenzene	0.00192 J				
Tetrachloroethene	0.00115 U				
Toluene	0.00524 J				
trans-1,2-Dichloroethene	0.00115 U				
trans-1,3-Dichloropropene	0.000574 U				
Trans-1,4-Dichloro-2-Butene	--				
Trichloroethene	0.000957 U				
Trichlorofluoromethane	0.00153 U				
Vinyl Acetate	--				
Vinyl Chloride	0.000766 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 LE20

	Soil Gas - mg/m3				
	Sample Results for: LE20SG0010018				
Chemical					
Alkane Hydrocarbon					
Octane	0.001253153 U				
Pentadecane	0.001150963				
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 LE20

	Soil Gas - mg/m3				
	Sample Results for: LE20SG0010018				
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 LE20

	Soil Gas - mg/m3				
	Sample Results for: LE20SG0010018				
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 LE20

Chemical	Soil Gas - mg/m3				
	Sample Results for: LE20SG0010018				
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 LE20

	Soil Gas - mg/m3				
	Sample Results for: LE20SG0010018				
Chemical					
Pyrene	0.002090164 U				
Total Carcinogenic PAHS (BaP TEQs)	--				
Total Petroleum Hydrocarbon					
Tph (c03-c20)	0.051012231				
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 LE20

Chemical	Soil Gas - mg/m3				
	Sample Results for: LE20SG0010018				
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 LE20

Chemical	Soil Gas - mg/m3				
	Sample Results for: LE20SG0010018				
Methylene Chloride	--				
n-Butylbenzene	--				
n-Propylbenzene	--				
o-Xylene	0.001322952 U				
Pentachloroethane	--				
sec-Butylbenzene	--				
Styrene	--				
tert-Butylbenzene	--				
Tetrachloroethene	0.077720561				
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 LE20

	Tap Water - mg/L				
	Sample Results for: LE20TW001	Sample Results for: LE20TW001-D			
Chemical					
Alkane Hydrocarbon					
Octane	--	--			
Pentadecane	--	--			
Tridecane	--	--			
Undecane	--	--			
Anion					
Chloride	9.52	9.130000000000001			
Cyanide	0.004 U	0.004 U			
Fluoride	0.2 U	0.204			
Nitrate (measured as NO3-)	3.53	2.97			
Nitrite (measured as NO2-)	0.2 UJ	0.2 U			
Phosphate	0.4 UJ	0.4 U			
Sulfate	8.369999999999999	9.390000000000001			
Dioxins/Furans					
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.0000000006841	0.000000000082			
Disinfectants					
Chlorine (as Cl2)	0.02	--			
Disinfection Byproducts					
Total Trihalomethanes	0.002489	0.00196			
Field Parameters					
Dissolved Oxygen	8.09	--			
Oxidation Reduction Potential	303	--			
pH	7.46	--			
Salinity	--	--			
Specific Conductance	0.82	--			
Temperature	26.2	--			
Total Dissolved Solids	--	--			
Total Solids	--	--			
Turbidity	--	--			
Inorganics					
Aluminum	0.0022 U	0.0022 U			
Antimony	0.00014 U	0.00014 U			
Arsenic	0.00411	0.00428			
Barium	0.0156	0.0153			
Beryllium	0.000032 U	0.000035 U			
Cadmium (Diet)	--	--			
Cadmium (Water)	0.00004 U	0.00004 U			

Attachment C - Environmental Sampling Results For Location LE20

	Tap Water - mg/L				
	Sample Results for: LE20TW001	Sample Results for: LE20TW001-D			
Chemical					
Chromium	0.000728	0.000787			
Cobalt	0.00007	0.0000834			
Copper	0.0216 J	0.0428 J			
Iron	0.00479	0.0144			
Lead	0.00104	0.002			
Manganese (Diet)	--	--			
Manganese (Water)	0.000281	0.000347			
Mercury	0.000015 U	0.000015 U			
Nickel	0.0098	0.0244			
Selenium	0.000294	0.0002 U			
Silver	0.00012 U	0.00012 U			
Thallium	0.00017 U	0.000035 U			
Tin	0.0001 U	0.0001 U			
Vanadium	0.00146	0.00196			
Zinc	1.26	1.26			
Microorganisms					
Fecal Coliform	1 <	1 <			
Fecal Streptococcus	0	0			
Heterotrophic Plate Count	9	104			
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 U	0.000002 UJ			
4,4-DDT	0.000006 U	0.000006 U			
Aldrin	0.000002 U	0.000002 UJ			
alpha-BHC	0.000003 U	0.000003 UJ			
alpha-Chlordane	0.000003 U	0.000003 UJ			
beta-BHC	0.000002 U	0.000002 UJ			
Chlordane	--	--			
delta-BHC	0.000001 U	0.000001 U			
Dieldrin	0.000003 U	0.000003 UJ			
Endosulfan I	0.000003 U	0.000003 UJ			
Endosulfan II	0.000002 U	0.000002 UJ			
Endosulfan Sulfate	0.000007 UJ	0.000007 UJ			
Endrin	0.000002 U	0.000002 UJ			
Endrin Aldehyde	0.000002 U	0.000002 UJ			

Attachment C - Environmental Sampling Results For Location LE20

	Tap Water - mg/L				
	Sample Results for: LE20TW001	Sample Results for: LE20TW001-D			
Chemical					
gamma-BHC (Lindane)	0.000001 U	0.000001 U			
gamma-Chlordane	0.000002 U	0.000002 UJ			
Heptachlor	0.000004 U	0.000004 UJ			
Heptachlor Epoxide	0.000004 U	0.000004 UJ			
Methoxychlor	0.000003 U	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	0.000986	0.000979			
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	0.00022 U	0.000209 U			
1,2,4,5-Tetrachlorobenzene	0.00022 U	0.000209 U			
2,3,4,6-Tetrachlorophenol	0.00033 U	0.000313 U			
2,4,5-Trichlorophenol	0.000549 U	0.000522 U			
2,4,6-Trichlorophenol	0.000549 U	0.000522 U			
2,4-Dichlorophenol	0.000769 U	0.000731 U			
2,4-Dimethylphenol	0.0011 U	0.00104 U			
2,4-Dinitrophenol	0.00033 U	0.000313 U			
2,4-Dinitrotoluene	0.0011 U	0.00104 U			
2,6-Dichlorophenol	0.000879 U	0.000835 U			
2,6-Dinitrotoluene	0.00011 U	0.000104 U			
2-Chloronaphthalene	0.00022 U	0.000209 U			
2-Chlorophenol	0.000989 U	0.000939 U			
2-Methylnaphthalene	0.00022 U	0.000209 U			
2-Methylphenol (o-Cresol)	0.000769 U	0.000731 U			
2-Nitrophenol	0.000989 U	0.000939 U			
3&4-Methylphenol	0.00132 U	0.00125 U			
3-Methylphenol	--	--			
3-Nitroaniline	0.0011 U	0.00104 U			

Attachment C - Environmental Sampling Results For Location LE20

Chemical	Tap Water - mg/L		
	Sample Results for: LE20TW001	Sample Results for: LE20TW001-D	
4,6-Dinitro-2-Methylphenol	0.00022 U	0.000209 U	
4-Bromophenylphenylether	0.00011 U	0.000104 U	
4-Chloro-3-Methylphenol	0.000659 U	0.000626 U	
4-Chloroaniline	0.0011 U	0.00104 U	
4-Methylphenol (p-Cresol)	--	--	
4-Nitroaniline	0.0011 U	0.00104 U	
4-Nitrophenol	0.00033 U	0.000313 U	
Acenaphthene	0.00011 U	0.000104 U	
Acenaphthylene	0.00011 U	0.000104 U	
Aniline	0.0011 U	0.00104 U	
Anthracene	0.00011 U	0.000104 U	
Atrazine	0.00011 U	0.000104 U	
Benzo(g,h,i)perylene	0.00011 U	0.000104 U	
Bis(2-ethylhexyl)phthalate	0.00154 U	0.00146 U	
Butylbenzylphthalate	0.00011 U	0.000104 U	
Carbazole	0.00011 U	0.000104 U	
Di-n-butylphthalate	0.00143 U	0.00136 U	
Di-n-octylphthalate	0.00022 UJ	0.000209 UJ	
Dibenzofuran	0.00011 U	0.000104 U	
Diethylphthalate	0.00022 U	0.000209 U	
Dimethylphthalate	0.00011 U	0.000104 U	
Diphenylamine	0.00011 U	0.000104 U	
Fluoranthene	0.00011 U	0.000104 U	
Fluorene	0.00011 U	0.000104 U	
Hexachlorobenzene	0.00011 U	0.000104 U	
Hexachlorobutadiene	0.00022 U	0.000209 U	
Hexachlorocyclopentadiene	0.0011 U	0.00104 U	
Hexachloroethane	0.00011 U	0.000104 U	
Naphthalene	0.00022 U	0.000209 U	
Nitrobenzene	0.00022 U	0.000209 U	
o-Toluidine	0.000769 U	0.000731 U	
Pentachlorobenzene	0.00022 U	0.000209 U	
Pentachloronitrobenzene	0.000003 U	0.000003 UJ	
Pentachlorophenol	0.00033 U	0.000313 U	
Phenanthrene	0.00011 U	0.000104 U	
Phenol	0.0011 U	0.00104 U	

Attachment C - Environmental Sampling Results For Location LE20

	Tap Water - mg/L				
	Sample Results for: LE20TW001	Sample Results for: LE20TW001-D			
Chemical					
Pyrene	0.00011 U	0.000104 U			
Total Carcinogenic PAHS (BaP TEQs)	0.000132 U	0.0001248 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 LE20

Chemical	Tap Water - mg/L		
	Sample Results for: LE20TW001	Sample Results for: LE20TW001-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	0.000694	0.000467 J	
Bromoform	0.000519 J	0.00042 J	
Bromomethane	0.00037 U	0.00037 U	
Carbon Disulfide	--	--	
Carbon Tetrachloride	0.00008 U	0.00008 U	
Chlorobenzene	0.00012 U	0.00012 U	
Chloroethane	0.00018 U	0.00018 U	
Chloroform	0.0004	0.00034	
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	0.000876	0.000733	
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 LE20

Chemical	Tap Water - mg/L		
	Sample Results for: LE20TW001	Sample Results for: LE20TW001-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 LE21

Chemical	Soil - mg/kg				
	Sample Results for: LE21SS0010006				
Alkane Hydrocarbon					
Octane	--				
Pentadecane	--				
Tridecane	--				
Undecane	--				
Anion					
Chloride	--				
Cyanide	0.161 UJ				
Fluoride	--				
Nitrate (measured as NO ₃ -)	--				
Nitrite (measured as NO ₂ -)	--				
Phosphate	--				
Sulfate	--				
Dioxins/Furans					
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.0000028857				
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	--				
Turbidity	--				
Inorganics					
Aluminum	41300				
Antimony	0.565				
Arsenic	10				
Barium	328				
Beryllium	4.19				
Cadmium (Diet)	0.265				
Cadmium (Water)	--				

Attachment C - Environmental Sampling Results For Location LE21

Chemical	Sample Results for: LE21SS0010006	Soil - mg/kg			
Chromium	5.11				
Cobalt	4.58				
Copper	30				
Iron	21100				
Lead	42.7				
Manganese (Diet)	712				
Manganese (Water)	--				
Mercury	0.105 U				
Nickel	5.5				
Selenium	0.659				
Silver	0.206				
Thallium	2.53				
Tin	3.57				
Vanadium	34.8				
Zinc	64.2				
Microorganisms					
Fecal Coliform	--				
Fecal Streptococcus	--				
Heterotrophic Plate Count	--				
Total Coliforms (including Fecal Coliform and E. Coli)	--				
Pesticides					
4,4-DDD	0.00047 U				
4,4-DDE	0.000461 U				
4,4-DDT	0.000617 U				
Aldrin	0.000374 U				
alpha-BHC	0.000461 U				
alpha-Chlordane	0.000374 U				
beta-BHC	0.000565 U				
Chlordane	--				
delta-BHC	0.000513 U				
Dieldrin	0.000522 U				
Endosulfan I	0.00047 U				
Endosulfan II	0.000374 U				
Endosulfan Sulfate	0.00053 U				
Endrin	0.0006 U				
Endrin Aldehyde	0.000539 U				

Attachment C - Environmental Sampling Results For Location LE21

Chemical	Sample Results for: LE21SS0010006	Soil - mg/kg			
gamma-BHC (Lindane)	0.000443 U				
gamma-Chlordane	0.000409 U				
Heptachlor	0.00053 U				
Heptachlor Epoxide	0.000409 U				
Methoxychlor	0.000661 U				
Toxaphene	0.00682 U				
Polychlorinated bi-phenyls					
Aroclor 1016	0.00796 U				
Aroclor 1016/1260	--				
Aroclor 1221	0.00796 U				
Aroclor 1232	0.00796 U				
Aroclor 1242	0.00796 U				
Aroclor 1248	0.00796 U				
Aroclor 1254	0.00796 U				
Aroclor 1260	0.00796 U				
Radionuclides					
Uranium	--				
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	0.0171 U				
1,2,4,5-Tetrachlorobenzene	0.0136 U				
2,3,4,6-Tetrachlorophenol	0.0807 U				
2,4,5-Trichlorophenol	0.14 U				
2,4,6-Trichlorophenol	0.075 U				
2,4-Dichlorophenol	0.0875 U				
2,4-Dimethylphenol	0.168 U				
2,4-Dinitrophenol	0.0625 U				
2,4-Dinitrotoluene	0.0205 U				
2,6-Dichlorophenol	0.0534 U				
2,6-Dinitrotoluene	0.0171 U				
2-Chloronaphthalene	0.0091 U				
2-Chlorophenol	0.0568 U				
2-Methylnaphthalene	0.0193 U				
2-Methylphenol (o-Cresol)	0.114 U				
2-Nitrophenol	0.0716 U				
3&4-Methylphenol	0.131 U				
3-Methylphenol	--				
3-Nitroaniline	0.0205 U				

Attachment C - Environmental Sampling Results For Location LE21

Chemical	Sample Results for: LE21SS0010006	Soil - mg/kg			
4,6-Dinitro-2-Methylphenol	0.0762 U				
4-Bromophenylphenylether	0.0136 U				
4-Chloro-3-Methylphenol	0.1 U				
4-Chloroaniline	0.0262 U				
4-Methylphenol (p-Cresol)	--				
4-Nitroaniline	0.05 U				
4-Nitrophenol	0.134 U				
Acenaphthene	0.0114 U				
Acenaphthylene	0.0102 U				
Aniline	0.0227 U				
Anthracene	0.0136 U				
Atrazine	0.0296 U				
Benzo(g,h,i)perylene	0.0318 U				
Bis(2-ethylhexyl)phthalate	0.119 U				
Butylbenzylphthalate	0.0341 U				
Carbazole	0.0205 U				
Di-n-butylphthalate	0.0489 U				
Di-n-octylphthalate	0.0227 U				
Dibenzofuran	0.0114 U				
Diethylphthalate	0.0193 U				
Dimethylphthalate	0.0148 U				
Diphenylamine	0.0591 U				
Fluoranthene	0.0216 U				
Fluorene	0.0136 U				
Hexachlorobenzene	0.0125 U				
Hexachlorobutadiene	0.0114 U				
Hexachlorocyclopentadiene	0.0159 U				
Hexachloroethane	0.0125 U				
Naphthalene	0.00682 U				
Nitrobenzene	0.0171 U				
o-Toluidine	0.0205 U				
Pentachlorobenzene	0.0318 U				
Pentachloronitrobenzene	0.000435 U				
Pentachlorophenol	0.175 U				
Phenanthrene	0.0341 U				
Phenol	0.0387 U				

Attachment C - Environmental Sampling Results For Location LE21

Chemical	Sample Results for: LE21SS0010006	Soil - mg/kg			
Pyrene	0.0205 U				
Total Carcinogenic PAHS (BaP TEQs)	0.0491098 U				
Total Petroleum Hydrocarbon					
Tph (c03-c20)	--				
Tph (c08-c40)	--				
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	0.000395 U				
1,1,1-Trichloroethane	0.000526 U				
1,1,2,2-Tetrachloroethane	0.000263 U				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.000921 U				
1,1,2-Trichloroethane	0.000395 U				
1,1-Dichloroethane	0.000921 U				
1,1-Dichloroethene	0.000658 U				
1,2,3-Trichlorobenzene	0.000658 U				
1,2,3-Trichloropropane	0.000395 U				
1,2,4-Trichlorobenzene	0.000395 U				
1,2,4-Trimethylbenzene	0.000526 U				
1,2-Dibromo-3-Chloropropane	0.000526 U				
1,2-Dibromoethane	0.000132 U				
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	0.000789 U				
1,2-Dichlorobenzene	0.000132 U				
1,2-Dichloroethane	0.000263 U				
1,2-Dichloropropane	0.000395 U				
1,3,5-Trimethylbenzene	0.000263 U				
1,3-Butadiene	--				
1,3-Dichlorobenzene	0.000263 U				
1,3-Dichloropropane	0.000263 U				
1,4-Dichlorobenzene	0.000132 U				
2,2-Dichloropropane	0.000658 U				
2-Butanone (methyl ethyl ketone)	0.00237 U				
2-Chlorotoluene	0.000395 U				
2-Hexanone	0.00132 U				
4-Chlorotoluene	0.000263 U				
4-Isopropyltoluene	0.000696 J				
4-Methyl-2-Pentanone	0.000395 U				
Acetaldehyde	--				

Attachment C - Environmental Sampling Results For Location LE21

Chemical	Sample Results for: LE21SS0010006	Soil - mg/kg			
Acetone	0.00763 U				
Acetonitrile	--				
Acetophenone	--				
Acrolein	0.00671 U				
Acrylonitrile	--				
Benzene	0.000395 U				
Bis(2-Chloroethyl)ether	--				
Bis(chloromethyl)ether	--				
Bromochloromethane	0.000526 U				
Bromodichloromethane	0.000526 U				
Bromoform	0.000263 U				
Bromomethane	0.00395 U				
Carbon Disulfide	--				
Carbon Tetrachloride	0.000526 U				
Chlorobenzene	0.000263 U				
Chloroethane	0.000526 U				
Chloroform	0.000921 U				
Chloromethane	0.00118 U				
Chloroprene	--				
cis-1,2-Dichloroethene	0.000921 U				
cis-1,3-Dichloropropene	0.000132 U				
Cyclohexane	--				
Dibromochloromethane	0.000132 U				
Dibromomethane	--				
Dichlorodifluoromethane (Freon 12)	0.000395 U				
Ethylbenzene	0.00124 J				
Formaldehyde	--				
Hexane	--				
Isobutyl Alcohol	--				
Isophorone	--				
Isopropylbenzene	0.000711 J				
m,p-Xylenes	0.00138 J				
Methyl Acetate	--				
Methyl tert-Butyl Ether	0.000658 U				
Methylcyclohexane	--				
Methylene Chloride	0.00132 U				

Attachment C - Environmental Sampling Results For Location LE21

Chemical	Sample Results for: LE21SS0010006	Soil - mg/kg			
n-Butylbenzene	0.000263 U				
n-Propylbenzene	0.000756 J				
o-Xylene	0.000263 U				
Pentachloroethane	--				
sec-Butylbenzene	0.000734 J				
Styrene	0.000263 U				
tert-Butylbenzene	0.000526 U				
Tetrachloroethene	0.000789 U				
Toluene	0.00455 J				
trans-1,2-Dichloroethene	0.000789 U				
trans-1,3-Dichloropropene	0.000395 U				
Trans-1,4-Dichloro-2-Butene	--				
Trichloroethene	0.000658 U				
Trichlorofluoromethane	0.00105 U				
Vinyl Acetate	--				
Vinyl Chloride	0.000526 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 LE22

Chemical	Soil - mg/kg				
	Sample Results for: LE22SS0010006				
Alkane Hydrocarbon					
Octane	--				
Pentadecane	--				
Tridecane	--				
Undecane	--				
Anion					
Chloride	--				
Cyanide	0.167 UJ				
Fluoride	--				
Nitrate (measured as NO ₃ -)	--				
Nitrite (measured as NO ₂ -)	--				
Phosphate	--				
Sulfate	--				
Dioxins/Furans					
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.00000057199				
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	--				
Turbidity	--				
Inorganics					
Aluminum	35000				
Antimony	0.613				
Arsenic	9.390000000000001				
Barium	289				
Beryllium	3.72				
Cadmium (Diet)	0.278				
Cadmium (Water)	--				

Attachment C - Environmental Sampling Results For Location LE22

Chemical	Sample Results for: LE22SS0010006	Soil - mg/kg			
Chromium	4.34				
Cobalt	4.43				
Copper	16.2				
Iron	18200				
Lead	35.7				
Manganese (Diet)	614				
Manganese (Water)	--				
Mercury	0.11 U				
Nickel	5.71				
Selenium	0.177				
Silver	0.11				
Thallium	1.54 U				
Tin	3.26				
Vanadium	34				
Zinc	49.2				
Microorganisms					
Fecal Coliform	--				
Fecal Streptococcus	--				
Heterotrophic Plate Count	--				
Total Coliforms (including Fecal Coliform and E. Coli)	--				
Pesticides					
4,4-DDD	0.000474 U				
4,4-DDE	0.000465 U				
4,4-DDT	0.000623 U				
Aldrin	0.000377 U				
alpha-BHC	0.000465 U				
alpha-Chlordane	0.000377 U				
beta-BHC	0.00057 U				
Chlordane	--				
delta-BHC	0.000518 U				
Dieldrin	0.000526 U				
Endosulfan I	0.000474 U				
Endosulfan II	0.000377 U				
Endosulfan Sulfate	0.000535 U				
Endrin	0.000605 U				
Endrin Aldehyde	0.000544 U				

Attachment C - Environmental Sampling Results For Location LE22

Chemical	Sample Results for: LE22SS0010006	Soil - mg/kg			
gamma-BHC (Lindane)	0.000447 U				
gamma-Chlordane	0.000412 U				
Heptachlor	0.000535 U				
Heptachlor Epoxide	0.000412 U				
Methoxychlor	0.000667 U				
Toxaphene	0.00734 U				
Polychlorinated bi-phenyls					
Aroclor 1016	0.00856 U				
Aroclor 1016/1260	--				
Aroclor 1221	0.00856 U				
Aroclor 1232	0.00856 U				
Aroclor 1242	0.00856 U				
Aroclor 1248	0.00856 U				
Aroclor 1254	0.00856 U				
Aroclor 1260	0.00856 U				
Radionuclides					
Uranium	--				
Semi-Volatile Organic Compounds					
1,1'-Biphenyl	0.0205 U				
1,2,4,5-Tetrachlorobenzene	0.0164 U				
2,3,4,6-Tetrachlorophenol	0.0968 U				
2,4,5-Trichlorophenol	0.168 U				
2,4,6-Trichlorophenol	0.09 U				
2,4-Dichlorophenol	0.105 U				
2,4-Dimethylphenol	0.202 U				
2,4-Dinitrophenol	0.075 U				
2,4-Dinitrotoluene	0.0246 U				
2,6-Dichlorophenol	0.0641 U				
2,6-Dinitrotoluene	0.0205 U				
2-Chloronaphthalene	0.0109 U				
2-Chlorophenol	0.0682 U				
2-Methylnaphthalene	0.0232 U				
2-Methylphenol (o-Cresol)	0.136 U				
2-Nitrophenol	0.0859 U				
3&4-Methylphenol	0.157 U				
3-Methylphenol	--				
3-Nitroaniline	0.0246 U				

Attachment C - Environmental Sampling Results For Location LE22

Chemical	Sample Results for: LE22SS0010006	Soil - mg/kg			
4,6-Dinitro-2-Methylphenol	0.0914 U				
4-Bromophenylphenylether	0.0164 U				
4-Chloro-3-Methylphenol	0.12 U				
4-Chloroaniline	0.0314 U				
4-Methylphenol (p-Cresol)	--				
4-Nitroaniline	0.06 U				
4-Nitrophenol	0.161 U				
Acenaphthene	0.0136 U				
Acenaphthylene	0.0123 U				
Aniline	0.0273 U				
Anthracene	0.0164 U				
Atrazine	0.0355 U				
Benzo(g,h,i)perylene	0.0382 U				
Bis(2-ethylhexyl)phthalate	0.143 U				
Butylbenzylphthalate	0.0409 U				
Carbazole	0.0246 U				
Di-n-butylphthalate	0.0587 U				
Di-n-octylphthalate	0.0273 U				
Dibenzofuran	0.0136 U				
Diethylphthalate	0.0232 U				
Dimethylphthalate	0.0177 U				
Diphenylamine	0.0709 U				
Fluoranthene	0.0259 U				
Fluorene	0.0164 U				
Hexachlorobenzene	0.015 U				
Hexachlorobutadiene	0.0136 U				
Hexachlorocyclopentadiene	0.0191 U				
Hexachloroethane	0.015 U				
Naphthalene	0.00818 U				
Nitrobenzene	0.0205 U				
o-Toluidine	0.0246 U				
Pentachlorobenzene	0.0382 U				
Pentachloronitrobenzene	0.000439 U				
Pentachlorophenol	0.21 U				
Phenanthrene	0.0409 U				
Phenol	0.0464 U				

Attachment C - Environmental Sampling Results For Location LE22

Chemical	Sample Results for: LE22SS0010006	Soil - mg/kg			
Pyrene	0.0246 U				
Total Carcinogenic PAHS (BaP TEQs)	0.0589737 U				
Total Petroleum Hydrocarbon					
Tph (c03-c20)	--				
Tph (c08-c40)	--				
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	0.000492 U				
1,1,1-Trichloroethane	0.000656 U				
1,1,2,2-Tetrachloroethane	0.000328 U				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.00115 U				
1,1,2-Trichloroethane	0.000492 U				
1,1-Dichloroethane	0.00115 U				
1,1-Dichloroethene	0.00082 U				
1,2,3-Trichlorobenzene	0.00082 U				
1,2,3-Trichloropropane	0.000492 U				
1,2,4-Trichlorobenzene	0.000492 U				
1,2,4-Trimethylbenzene	0.000656 U				
1,2-Dibromo-3-Chloropropane	0.000656 U				
1,2-Dibromoethane	0.000164 U				
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	0.000984 U				
1,2-Dichlorobenzene	0.000164 U				
1,2-Dichloroethane	0.000328 U				
1,2-Dichloropropane	0.000492 U				
1,3,5-Trimethylbenzene	0.000328 U				
1,3-Butadiene	--				
1,3-Dichlorobenzene	0.000328 U				
1,3-Dichloropropane	0.000328 U				
1,4-Dichlorobenzene	0.000164 U				
2,2-Dichloropropane	0.00082 U				
2-Butanone (methyl ethyl ketone)	0.00295 U				
2-Chlorotoluene	0.000492 U				
2-Hexanone	0.00164 U				
4-Chlorotoluene	0.000328 U				
4-Isopropyltoluene	0.000531 J				
4-Methyl-2-Pentanone	0.000492 U				
Acetaldehyde	--				

Attachment C - Environmental Sampling Results For Location LE22

Chemical	Sample Results for: LE22SS0010006	Soil - mg/kg			
Acetone	0.0265				
Acetonitrile	--				
Acetophenone	--				
Acrolein	0.00836 U				
Acrylonitrile	--				
Benzene	0.000492 U				
Bis(2-Chloroethyl)ether	--				
Bis(chloromethyl)ether	--				
Bromochloromethane	0.000656 U				
Bromodichloromethane	0.000656 U				
Bromoform	0.000328 U				
Bromomethane	0.00492 U				
Carbon Disulfide	--				
Carbon Tetrachloride	0.000656 U				
Chlorobenzene	0.000328 U				
Chloroethane	0.000656 U				
Chloroform	0.00115 U				
Chloromethane	0.00148 U				
Chloroprene	--				
cis-1,2-Dichloroethene	0.00115 U				
cis-1,3-Dichloropropene	0.000164 U				
Cyclohexane	--				
Dibromochloromethane	0.000164 U				
Dibromomethane	--				
Dichlorodifluoromethane (Freon 12)	0.000492 U				
Ethylbenzene	0.000993 J				
Formaldehyde	--				
Hexane	--				
Isobutyl Alcohol	--				
Isophorone	--				
Isopropylbenzene	0.000328 U				
m,p-Xylenes	0.00138 J				
Methyl Acetate	--				
Methyl tert-Butyl Ether	0.00082 U				
Methylcyclohexane	--				
Methylene Chloride	0.00175 J				

Attachment C - Environmental Sampling Results For Location LE22

Chemical	Sample Results for: LE22SS0010006	Soil - mg/kg			
n-Butylbenzene	0.000328 U				
n-Propylbenzene	0.000492 J				
o-Xylene	0.000328 U				
Pentachloroethane	--				
sec-Butylbenzene	0.000421 J				
Styrene	0.000752 J				
tert-Butylbenzene	0.000656 U				
Tetrachloroethene	0.000984 U				
Toluene	0.00423 J				
trans-1,2-Dichloroethene	0.000984 U				
trans-1,3-Dichloropropene	0.000492 U				
Trans-1,4-Dichloro-2-Butene	--				
Trichloroethene	0.00082 U				
Trichlorofluoromethane	0.00131 U				
Vinyl Acetate	--				
Vinyl Chloride	0.000656 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 LE23

Chemical	Soil - mg/kg				
	Sample Results for: LE23SS0010006				
Alkane Hydrocarbon					
Octane	--				
Pentadecane	--				
Tridecane	--				
Undecane	--				
Anion					
Chloride	--				
Cyanide	0.162 UJ				
Fluoride	--				
Nitrate (measured as NO ₃ -)	--				
Nitrite (measured as NO ₂ -)	--				
Phosphate	--				
Sulfate	--				
Dioxins/Furans					
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.0000001944				
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	--				
Turbidity	--				
Inorganics					
Aluminum	53600				
Antimony	0.602				
Arsenic	18.4				
Barium	365				
Beryllium	5.35				
Cadmium (Diet)	0.333				
Cadmium (Water)	--				

Attachment C - Environmental Sampling Results For Location LE23

Chemical	Sample Results for: LE23SS0010006	Soil - mg/kg			
Chromium	5.15				
Cobalt	5.61				
Copper	16.2				
Iron	23900				
Lead	36.8				
Manganese (Diet)	771				
Manganese (Water)	--				
Mercury	0.106 U				
Nickel	5.75				
Selenium	0.138				
Silver	0.096 U				
Thallium	1.87 U				
Tin	3.41				
Vanadium	45.4				
Zinc	56.2				
Microorganisms					
Fecal Coliform	--				
Fecal Streptococcus	--				
Heterotrophic Plate Count	--				
Total Coliforms (including Fecal Coliform and E. Coli)	--				
Pesticides					
4,4-DDD	0.00045 U				
4,4-DDE	0.000442 U				
4,4-DDT	0.000592 U				
Aldrin	0.000358 U				
alpha-BHC	0.000442 U				
alpha-Chlordane	0.000358 U				
beta-BHC	0.000542 U				
Chlordane	--				
delta-BHC	0.000492 U				
Dieldrin	0.0005 U				
Endosulfan I	0.00045 U				
Endosulfan II	0.000358 U				
Endosulfan Sulfate	0.000508 U				
Endrin	0.000575 U				
Endrin Aldehyde	0.000517 U				

Attachment C - Environmental Sampling Results For Location LE23

Chemical	Sample Results for: LE23SS0010006	Soil - mg/kg			
gamma-BHC (Lindane)	0.000425 U				
gamma-Chlordane	0.000392 U				
Heptachlor	0.000508 U				
Heptachlor Epoxide	0.000392 U				
Methoxychlor	0.000633 U				
Toxaphene	0.00695 U				
Polychlorinated bi-phenyls					
Aroclor 1016	0.0081 U				
Aroclor 1016/1260	--				
Aroclor 1221	0.0081 U				
Aroclor 1232	0.0081 U				
Aroclor 1242	0.0081 U				
Aroclor 1248	0.0081 U				
Aroclor 1254	0.0081 U				
Aroclor 1260	0.0081 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	0.0934 U				
2,4,5-Trichlorophenol	0.162 U				
2,4,6-Trichlorophenol	0.0868 U				
2,4-Dichlorophenol	0.101 U				
2,4-Dimethylphenol	0.195 U				
2,4-Dinitrophenol	0.0724 U				
2,4-Dinitrotoluene	0.0237 U				
2,6-Dichlorophenol	0.0618 U				
2,6-Dinitrotoluene	0.0197 U				
2-Chloronaphthalene	0.0105 J				
2-Chlorophenol	0.0658 U				
2-Methylnaphthalene	0.0224 J				
2-Methylphenol (o-Cresol)	0.132 U				
2-Nitrophenol	0.0829 U				
3&4-Methylphenol	0.151 U				
3-Methylphenol	--				
3-Nitroaniline	0.0237 U				

Attachment C - Environmental Sampling Results For Location LE23

Chemical	Sample Results for: LE23SS0010006	Soil - mg/kg			
4,6-Dinitro-2-Methylphenol	0.0881 U				
4-Bromophenylphenylether	0.0158 U				
4-Chloro-3-Methylphenol	0.116 U				
4-Chloroanaline	0.0303 U				
4-Methylphenol (p-Cresol)	--				
4-Nitroaniline	0.0579 U				
4-Nitrophenol	0.155 U				
Acenaphthene	0.0132 U				
Acenaphthylene	0.0118 U				
Aniline	0.0263 U				
Anthracene	0.0158 U				
Atrazine	0.0342 U				
Benzo(g,h,i)perylene	0.0368 U				
Bis(2-ethylhexyl)phthalate	0.138 U				
Butylbenzylphthalate	0.0395 U				
Carbazole	0.0237 U				
Di-n-butylphthalate	0.0566 U				
Di-n-octylphthalate	0.0263 U				
Dibenzofuran	0.0132 U				
Diethylphthalate	0.0224 U				
Dimethylphthalate	0.0171 U				
Diphenylamine	0.0684 U				
Fluoranthene	0.025 U				
Fluorene	0.0158 U				
Hexachlorobenzene	0.0145 U				
Hexachlorobutadiene	0.0132 U				
Hexachlorocyclopentadiene	0.0184 U				
Hexachloroethane	0.0145 J				
Naphthalene	0.00899 J				
Nitrobenzene	0.0197 U				
o-Toluidine	0.0237 U				
Pentachlorobenzene	0.0368 U				
Pentachloronitrobenzene	0.000417 U				
Pentachlorophenol	0.203 U				
Phenanthrene	0.0395 U				
Phenol	0.0473 J				

Attachment C - Environmental Sampling Results For Location LE23

Chemical	Sample Results for: LE23SS0010006	Soil - mg/kg			
Pyrene	0.0237 U				
Total Carcinogenic PAHS (BaP TEQs)	0.0568741 U				
Total Petroleum Hydrocarbon					
Tph (c03-c20)	--				
Tph (c08-c40)	--				
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	0.000435 U				
1,1,1-Trichloroethane	0.00058 U				
1,1,2,2-Tetrachloroethane	0.00029 U				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.00102 U				
1,1,2-Trichloroethane	0.000435 U				
1,1-Dichloroethane	0.00102 U				
1,1-Dichloroethene	0.000725 U				
1,2,3-Trichlorobenzene	0.000725 U				
1,2,3-Trichloropropane	0.000435 U				
1,2,4-Trichlorobenzene	0.000435 U				
1,2,4-Trimethylbenzene	0.00058 U				
1,2-Dibromo-3-Chloropropane	0.00058 U				
1,2-Dibromoethane	0.000145 U				
1,2-Dichloro-1,1,2,2-Tetrafluoroethane (Freon 114)	0.00087 U				
1,2-Dichlorobenzene	0.000145 U				
1,2-Dichloroethane	0.00029 U				
1,2-Dichloropropane	0.000435 U				
1,3,5-Trimethylbenzene	0.00029 U				
1,3-Butadiene	--				
1,3-Dichlorobenzene	0.00029 U				
1,3-Dichloropropane	0.00029 U				
1,4-Dichlorobenzene	0.000145 U				
2,2-Dichloropropane	0.000725 U				
2-Butanone (methyl ethyl ketone)	0.00261 U				
2-Chlorotoluene	0.000435 U				
2-Hexanone	0.00145 U				
4-Chlorotoluene	0.00029 U				
4-Isopropyltoluene	0.00029 U				
4-Methyl-2-Pentanone	0.000435 U				
Acetaldehyde	--				

Attachment C - Environmental Sampling Results For Location LE23

Chemical	Sample Results for: LE23SS0010006	Soil - mg/kg			
Acetone	0.00841 J				
Acetonitrile	--				
Acetophenone	--				
Acrolein	0.0074 U				
Acrylonitrile	--				
Benzene	0.000435 U				
Bis(2-Chloroethyl)ether	--				
Bis(chloromethyl)ether	--				
Bromochloromethane	0.00058 U				
Bromodichloromethane	0.00058 U				
Bromoform	0.00029 U				
Bromomethane	0.00435 U				
Carbon Disulfide	--				
Carbon Tetrachloride	0.00058 U				
Chlorobenzene	0.00029 U				
Chloroethane	0.00058 U				
Chloroform	0.00102 U				
Chloromethane	0.00131 U				
Chloroprene	--				
cis-1,2-Dichloroethene	0.00102 U				
cis-1,3-Dichloropropene	0.000145 U				
Cyclohexane	--				
Dibromochloromethane	0.000145 U				
Dibromomethane	--				
Dichlorodifluoromethane (Freon 12)	0.000435 U				
Ethylbenzene	0.00048 J				
Formaldehyde	--				
Hexane	--				
Isobutyl Alcohol	--				
Isophorone	--				
Isopropylbenzene	0.00029 U				
m,p-Xylenes	0.00087 U				
Methyl Acetate	--				
Methyl tert-Butyl Ether	0.000725 U				
Methylcyclohexane	--				
Methylene Chloride	0.00145 U				

Attachment C - Environmental Sampling Results For Location LE23

Chemical	Sample Results for: LE23SS0010006	Soil - mg/kg			
n-Butylbenzene	0.00029 U				
n-Propylbenzene	0.000435 J				
o-Xylene	0.000332 J				
Pentachloroethane	--				
sec-Butylbenzene	0.000318 J				
Styrene	0.00029 U				
tert-Butylbenzene	0.00058 J				
Tetrachloroethene	0.00087 U				
Toluene	0.00155 J				
trans-1,2-Dichloroethene	0.00087 U				
trans-1,3-Dichloropropene	0.000435 U				
Trans-1,4-Dichloro-2-Butene	--				
Trichloroethene	0.000725 U				
Trichlorofluoromethane	0.00116 U				
Vinyl Acetate	--				
Vinyl Chloride	0.00058 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 LEIW01

Chemical	Sample Results for: LE01IW001	Irrigation Water - mg/L			
Alkane Hydrocarbon					
Octane	--				
Pentadecane	--				
Tridecane	--				
Undecane	--				
Anion					
Chloride	66.90000000000001				
Cyanide	0.004 U				
Fluoride	0.918				
Nitrate (measured as NO ₃ -)	293 J				
Nitrite (measured as NO ₂ -)	0.2 UJ				
Phosphate	0.4 UJ				
Sulfate	136				
Dioxins/Furans					
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.0000000068				
Disinfectants					
Chlorine (as Cl ₂)	--				
Disinfection Byproducts					
Total Trihalomethanes	0.000148				
Field Parameters					
Dissolved Oxygen	--				
Oxidation Reduction Potential	--				
pH	--				
Salinity	--				
Specific Conductance	--				
Temperature	--				
Total Dissolved Solids	--				
Total Solids	--				
Turbidity	--				
Inorganics					
Aluminum	0.00357				
Antimony	0.000226				
Arsenic	0.00511				
Barium	0.00453				
Beryllium	0.0000879				
Cadmium (Diet)	--				
Cadmium (Water)	0.00004 U				

Attachment C - Environmental Sampling Results For Location LEIW01

Chemical	Sample Results for: LE01IW001	Irrigation Water - mg/L				
Chromium	0.00902					
Cobalt	0.000168					
Copper	0.00401					
Iron	0.135					
Lead	0.00232					
Manganese (Diet)	--					
Manganese (Water)	0.00331					
Mercury	0.000015 U					
Nickel	0.0105					
Selenium	0.000784					
Silver	0.00012 U					
Thallium	0.000484 U					
Tin	0.000155 U					
Vanadium	0.0132					
Zinc	12.4					
Microorganisms						
Fecal Coliform	144.5					
Fecal Streptococcus	1781					
Heterotrophic Plate Count	17500					
Total Coliforms (including Fecal Coliform and E. Coli)	200.5					
Pesticides						
4,4-DDD	0.00000306 U					
4,4-DDE	0.00000204 U					
4,4-DDT	0.00000612 U					
Aldrin	0.00000204 U					
alpha-BHC	0.00000306 U					
alpha-Chlordane	0.00000306 U					
beta-BHC	0.00000204 U					
Chlordane	--					
delta-BHC	0.00000102 U					
Dieldrin	0.00000306 U					
Endosulfan I	0.00000306 U					
Endosulfan II	0.00000204 U					
Endosulfan Sulfate	0.00000714 U					
Endrin	0.00000204 U					
Endrin Aldehyde	0.00000204 U					

Attachment C - Environmental Sampling Results For Location LEIW01

	Chemical	Irrigation Water - mg/L				
		Sample Results for: LE01IW001				
	gamma-BHC (Lindane)	0.00000102 U				
	gamma-Chlordane	0.00000204 U				
	Heptachlor	0.00000408 U				
	Heptachlor Epoxide	0.00000408 U				
	Methoxychlor	0.00000306 U				
	Toxaphene	0.0000102 U				
Polychlorinated bi-phenyls						
	Aroclor 1016	0.0000204 U				
	Aroclor 1016/1260	--				
	Aroclor 1221	0.0000204 U				
	Aroclor 1232	0.0000204 U				
	Aroclor 1242	0.0000204 U				
	Aroclor 1248	0.0000204 U				
	Aroclor 1254	0.0000204 U				
	Aroclor 1260	0.0000204 U				
Radionuclides						
	Uranium	0.0317				
Semi-Volatile Organic Compounds						
	1,1'-Biphenyl	0.000198 U				
	1,2,4,5-Tetrachlorobenzene	0.000198 U				
	2,3,4,6-Tetrachlorophenol	0.000297 U				
	2,4,5-Trichlorophenol	0.000495 U				
	2,4,6-Trichlorophenol	0.000495 U				
	2,4-Dichlorophenol	0.000693 U				
	2,4-Dimethylphenol	0.00099 U				
	2,4-Dinitrophenol	0.000297 U				
	2,4-Dinitrotoluene	0.00099 U				
	2,6-Dichlorophenol	0.000792 U				
	2,6-Dinitrotoluene	0.000099 U				
	2-Chloronaphthalene	0.000198 U				
	2-Chlorophenol	0.000891 U				
	2-Methylnaphthalene	0.000198 U				
	2-Methylphenol (o-Cresol)	0.000693 U				
	2-Nitrophenol	0.000891 U				
	3&4-Methylphenol	0.00119 U				
	3-Methylphenol	--				
	3-Nitroaniline	0.00099 U				

Attachment C - Environmental Sampling Results For Location LEIW01

Chemical	Sample Results for: LE01IW001	Irrigation Water - mg/L			
4,6-Dinitro-2-Methylphenol	0.000198 U				
4-Bromophenylphenylether	0.000099 U				
4-Chloro-3-Methylphenol	0.000594 U				
4-Chloroanalanine	0.00099 U				
4-Methylphenol (p-Cresol)	--				
4-Nitroaniline	0.00099 U				
4-Nitrophenol	0.000297 U				
Acenaphthene	0.000099 U				
Acenaphthylene	0.000099 U				
Aniline	0.00099 U				
Anthracene	0.000099 U				
Atrazine	0.000099 U				
Benzo(g,h,i)perylene	0.000099 U				
Bis(2-ethylhexyl)phthalate	0.027				
Butylbenzylphthalate	0.000145 J				
Carbazole	0.000099 U				
Di-n-butylphthalate	0.00129 U				
Di-n-octylphthalate	0.000198 U				
Dibenzofuran	0.000099 U				
Diethylphthalate	0.000198 U				
Dimethylphthalate	0.000099 U				
Diphenylamine	0.000099 U				
Fluoranthene	0.000099 U				
Fluorene	0.000099 U				
Hexachlorobenzene	0.000099 U				
Hexachlorobutadiene	0.000198 U				
Hexachlorocyclopentadiene	0.00099 U				
Hexachloroethane	0.000099 U				
Naphthalene	0.000198 U				
Nitrobenzene	0.000198 U				
o-Toluidine	0.000693 U				
Pentachlorobenzene	0.000198 U				
Pentachloronitrobenzene	0.00000306 U				
Pentachlorophenol	0.000297 U				
Phenanthrene	0.000099 U				
Phenol	0.00099 U				

Attachment C - Environmental Sampling Results For Location LEIW01

Chemical	Sample Results for: LE01IW001	Irrigation Water - mg/L			
Pyrene	0.000099 U				
Total Carcinogenic PAHS (BaP TEQs)	--				
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 LEIW01

Chemical	Sample Results for: LE01IW001	Irrigation Water - mg/L				
Acetaldehyde	--					
Acetone	0.00277 J					
Acetonitrile	--					
Acetophenone	--					
Acrolein	0.0004 U					
Acrylonitrile	--					
Benzene	0.00005 U					
Bis(2-Chloroethyl)ether	--					
Bis(chloromethyl)ether	--					
Bromochloromethane	0.0001 U					
Bromodichloromethane	0.00012 U					
Bromoform	0.00006 U					
Bromomethane	0.00037 U					
Carbon Disulfide	--					
Carbon Tetrachloride	0.00008 U					
Chlorobenzene	0.00012 U					
Chloroethane	0.00018 U					
Chloroform	0.000148 J					
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 LEIW01

Chemical	Sample Results for: LE01IW001	Irrigation 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	0.00111					
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 LE01

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)	0.00000010257	--	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	90	--	--	--	--	--
Turbidity	--	--	--	--	--	--
Inorganics						
Aluminum	39600	86900	77000	--	0.5	--
Antimony	0.44	42.8	31	--	0.01	--
Arsenic	12	164	22	0.39	0.5	30.8
Barium	315	1813	15000	--	0.02	--
Beryllium	4.9	--	160	1400	0.03	0.004
Cadmium (Diet)	0.082	10.6	70	1800	0.001	0.00005

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location LE01

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	6.4	579	--	--	--	--
Cobalt	5.3	36.6	--	--	--	--
Copper	38	3965	3100	--	0.01	--
Iron	19000	154600	55000	--	0.3	--
Lead	47	2052	400	--	0.1	--
Manganese (Diet)	598	5923	--	--	--	--
Manganese (Water)	--	--	1800	--	--	--
Mercury	--	2.66	6.7	--	--	--
Nickel	6.2	689	1600	--	0.004	--
Selenium	--	1.9	390	--	--	--
Silver	0.27	8.132	390	--	0.0007	--
Thallium	2.2	69	5.1	--	0.4	--
Tin	5.8	--	47000	--	0.0001	--
Vanadium	38	187	550	--	0.07	--
Zinc	56	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 LE01

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 LE01

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 LE01

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)	0.00242	--	43000	--	0.00000006	--
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	0.00165	--	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	0.00101	--	2000	--	0.000005	--
1,2-Dichloroethane	0.00216	--	13000	0.45	0.0000002	0.005
1,2-Dichloropropane	--	--	17	0.93	--	--
1,3,5-Trimethylbenzene	0.00122	--	--	--	--	--
1,3-Butadiene	--	--	2	0.077	--	--
1,3-Dichlorobenzene	0.000941	--	--	--	--	--
1,3-Dichloropropane	--	--	1600	--	--	--
1,4-Dichlorobenzene	0.000993	--	10000	2.6	0.00000010	0.0004
2,2-Dichloropropane	--	--	--	--	--	--
2-Butanone (methyl ethyl ketone)	--	--	28000	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location LE01

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	0.00169	--	1600	--	0.000001	--
2-Hexanone	--	--	--	--	--	--
4-Chlorotoluene	0.00176	--	5500	--	0.000003	--
4-Isopropyltoluene	0.00132	--	--	--	--	--
4-Methyl-2-Pentanone	--	--	5300	--	--	--
Acetaldehyde	--	--	89	11	--	--
Acetone	0.0226	--	61000	--	0.000004	--
Acetonitrile	--	--	870	--	--	--
Acetophenone	--	--	7800	--	--	--
Acrolein	--	--	0.16	--	--	--
Acrylonitrile	--	--	14	0.24	--	--
Benzene	0.000546	--	90	1.1	0.000006	0.0005
Bis(2-Chloroethyl)ether	--	--	--	0.19	--	--
Bis(chloromethyl)ether	--	--	--	0.00027	--	--
Bromochloromethane	--	--	--	--	--	--
Bromodichloromethane	0.00154	--	1600	10	0.000010	0.0002
Bromoform	--	--	1200	61	--	--
Bromomethane	--	--	7.9	--	--	--
Carbon Disulfide	--	--	670	--	--	--
Carbon Tetrachloride	--	--	47	0.25	--	--
Chlorobenzene	0.00133	--	310	--	0.000004	--
Chloroethane	--	--	15000	--	--	--
Chloroform	0.000907	--	220	0.3	0.000004	0.003
Chloromethane	--	--	120	1.7	--	--
Chloroprene	--	--	8.6	--	--	--
cis-1,2-Dichloroethene	--	--	780	--	--	--
cis-1,3-Dichloropropene	0.00106	--	--	--	--	--
Cyclohexane	--	--	7200	--	--	--
Dibromochloromethane	--	--	1200	5.8	--	--
Dibromomethane	--	--	780	--	--	--
Dichlorodifluoromethane (Freon 12)	--	--	190	--	--	--
Ethylbenzene	0.00248	--	3600	5.7	0.000007	0.0004
Formaldehyde	--	--	12000	250000	--	--
Hexane	--	--	570	--	--	--
Isobutyl Alcohol	--	--	23000	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location LE01

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	0.00184	--	2200	--	0.0000008	--
m,p-Xylenes	0.0041	--	600	--	0.000007	--
Methyl Acetate	--	--	78000	--	--	--
Methyl tert-Butyl Ether	--	--	15000	39	--	--
Methylcyclohexane	--	--	3400	--	--	--
Methylene Chloride	--	--	1700	11	--	--
n-Butylbenzene	0.000874	--	--	--	--	--
n-Propylbenzene	0.00175	--	--	--	--	--
o-Xylene	0.00197	--	5300	--	0.0000004	--
Pentachloroethane	--	--	--	--	--	--
sec-Butylbenzene	0.0015	--	--	--	--	--
Styrene	0.00225	--	6500	--	0.0000003	--
tert-Butylbenzene	0.00158	--	--	--	--	--
Tetrachloroethene	0.00213	--	380	0.57	0.000006	0.004
Toluene	0.014	--	5000	--	0.000003	--
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	30.8
			BACKGROUND RISK		2.1	30.8
			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 LE01

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	0.012113517	--	--	--	--	--
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 LE01

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 LE01

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 LE01

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 LE01

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)	0.453732807	--	--	--	--
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 LE01

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 LE01

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	0.005325415	2.8	0.0041	0.002	1.3
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		0.002	1.3
		BACKGROUND RISK		0	0
		INCREMENTAL RISK		0.002	1.3

-- = 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 LE01

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	9.66	--	--	--	--	--	--	--	--	--	--	
Cyanide	--	0.2	--	--	--	0.73	--	--	--	--	--	
Fluoride	--	4	--	--	--	--	--	--	--	--	--	
Nitrate (measured as NO ₃ -)	3.53	44.3	--	--	--	255.2	--	0.08	--	--	0.01	
Nitrite (measured as NO ₂ -)	--	3.29	--	--	--	12.21	--	--	--	--	--	
Phosphate	--	--	--	--	--	--	--	--	--	--	--	
Sulfate	8.94	--	--	--	--	--	--	--	--	--	--	
Dioxins/Furans												
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.00000000036	0.00000003	--	--	--	0.00000037	0.000000005	0.001	--	--	0.0010	
Disinfectants												
Chlorine (as Cl ₂)	0.04	4.01	--	--	--	--	--	0.010	--	--	--	
Disinfection Byproducts												
Total Trihalomethanes	0.00271	0.0807	--	--	--	--	--	0.03	--	--	--	
Field Parameters												
Dissolved Oxygen	9.01	--	--	--	--	--	--	--	--	--	--	
Oxidation Reduction Potential	324	--	--	--	--	--	--	--	--	--	--	
pH	6.97	--	--	--	--	--	--	--	--	--	--	
Salinity	0.1	--	--	--	--	--	--	--	--	--	--	
Specific Conductance	1.15	--	--	--	--	--	--	--	--	--	--	
Temperature	26.18	--	--	--	--	--	--	--	--	--	--	
Total Dissolved Solids	--	--	--	--	--	--	--	--	--	--	--	
Total Solids	--	--	--	--	--	--	--	--	--	--	--	
Turbidity	--	--	--	--	--	--	--	--	--	--	--	
Inorganics												
Aluminum	0.0101	--	--	--	--	37	--	--	--	0.0003	--	
Antimony	--	0.006	--	--	--	0.015	--	--	--	--	--	
Arsenic	0.00418	0.01	--	--	--	0.011	0.000045	0.4	--	0.4	92.9	
Barium	0.0154	2	--	--	--	7.3	--	0.008	--	0.002	--	
Beryllium	0.0000836	0.004	--	--	--	0.073	--	0.02	--	0.001	--	
Cadmium (Diet)	--	--	--	--	--	--	--	--	--	--	--	

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location LE01

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)	0.0000646	0.005	--	--	0.018	--	0.01	--	--	0.004	--
Chromium	0.000969	0.1	--	--	--	--	0.010	--	--	--	--
Cobalt	0.000112	--	--	--	--	--	--	--	--	--	--
Copper	0.138	--	--	--	1.5	--	--	--	--	0.09	--
Iron	0.0218	--	--	--	26	--	--	--	--	0.0008	--
Lead	0.0023	--	--	--	0.02	--	--	--	--	0.1	--
Manganese (Diet)	--	--	--	--	--	--	--	--	--	--	--
Manganese (Water)	0.00205	--	--	--	0.88	--	--	--	--	0.002	--
Mercury	0.00002	0.002	0.00063	--	--	--	0.010	0.03	--	--	--
Nickel	0.0205	--	--	--	0.73	--	--	--	--	0.03	--
Selenium	0.000318	0.05	--	--	0.18	--	0.006	--	--	0.002	--
Silver	--	--	--	--	0.18	--	--	--	--	--	--
Thallium	--	0.002	--	--	0.0024	--	--	--	--	--	--
Tin	--	--	--	--	22	--	--	--	--	--	--
Vanadium	--	--	--	--	0.26	--	--	--	--	--	--
Zinc	1.79	--	--	--	11	--	--	--	--	0.2	--
Microorganisms											
Fecal Coliform	--	0	--	--	--	--	--	--	--	--	--
Fecal Streptococcus	0	--	--	--	--	--	--	--	--	--	--
Heterotrophic Plate Count	128	--	--	--	--	--	--	--	--	--	--
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 LE01

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	0.000829	0.03	--	--	0.11	--	0.03	--	--	0.008	--	
Semi-Volatile Organic Compounds												
1,1'-Biphenyl	--	--	--	--	1.8	--	--	--	--	--	--	
1,2,4,5-Tetrachlorobenzene	--	--	--	--	0.011	--	--	--	--	--	--	
2,3,4,6-Tetrachlorophenol	--	--	--	--	1.1	--	--	--	--	--	--	
2,4,5-Trichlorophenol	--	--	--	--	3.7	--	--	--	--	--	--	
2,4,6-Trichlorophenol	--	--	--	--	0.037	0.0061	--	--	--	--	--	
2,4-Dichlorophenol	--	--	--	--	0.11	--	--	--	--	--	--	
2,4-Dimethylphenol	--	--	--	--	0.73	--	--	--	--	--	--	
2,4-Dinitrophenol	--	--	--	--	0.073	--	--	--	--	--	--	
2,4-Dinitrotoluene	--	--	--	--	0.073	--	--	--	--	--	--	
2,6-Dichlorophenol	--	--	--	--	--	--	--	--	--	--	--	
2,6-Dinitrotoluene	--	--	--	--	0.037	--	--	--	--	--	--	
2-Chloronaphthalene	--	--	--	--	2.9	--	--	--	--	--	--	
2-Chlorophenol	--	--	--	--	0.18	--	--	--	--	--	--	
2-Methylnaphthalene	--	--	--	--	0.15	--	--	--	--	--	--	
2-Methylphenol (o-Cresol)	--	--	--	--	1.8	--	--	--	--	--	--	

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location LE01

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 LE01

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 LE01

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	0.000494	--	--	--	0.73	0.0011	--	--	--	0.0007	0.4	
Bromoform	0.000906	--	--	--	0.73	0.0085	--	--	--	0.001	0.1	
Bromomethane	--	--	0.01	--	0.051	--	--	--	--	--	--	
Carbon Disulfide	--	--	1.5	--	3.7	--	--	--	--	--	--	
Carbon Tetrachloride	--	0.005	0.39	0.00032	0.026	0.00052	--	--	--	--	--	
Chlorobenzene	--	0.1	0.1	--	0.73	--	--	--	--	--	--	
Chloroethane	--	--	21	--	--	--	--	--	--	--	--	
Chloroform	0.0003	--	0.2	0.00021	0.37	0.0022	--	0.002	1.4	0.0008	0.1	
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	0.00101	--	--	--	0.73	0.0008	--	--	--	0.001	1.3	
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 LE01

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
Isophorone	--	--	--	--	7.3	0.071	--	--	--	--	--
Isopropylbenzene	--	--	0.83	--	3.7	--	--	--	--	--	--
m,p-Xylenes	0.0000981	--	0.21	--	7.3	--	--	0.0005	--	0.00001	--
Methyl Acetate	--	--	--	--	37	--	--	--	--	--	--
Methyl tert-Butyl Ether	0.000123	--	6.3	0.019	--	0.037	--	0.00002	0.006	--	0.003
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	0.00251	0.005	0.57	0.00082	0.37	0.00012	0.5	0.004	3.1	0.007	20.9
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	4.5	0.8	115.8
							BACKGROUND RISK	0.03	0	0.6	92.9
							INCREMENTAL RISK	0.006	4.5	0.2	22.9

-- = 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

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 LE03

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	0.001505672	--	--	--	--	--
Tridecane	0.001163452	--	--	--	--	--
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 LE03

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 LE03

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 LE03

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 LE03

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)	0.141740762	--	--	--	--
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 LE03

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 LE03

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	0.098215192	2.8	0.0041	0.04	24.0
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		0.04	24.0
		BACKGROUND RISK		0	0
		INCREMENTAL RISK		0.04	24.0

-- = 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 LE03

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	11.8	--	--	--	--	--	--	--	--	--	--
Cyanide	--	0.2	--	--	--	0.73	--	--	--	--	--
Fluoride	--	4	--	--	--	--	--	--	--	--	--
Nitrate (measured as NO ₃ -)	3.79	44.3	--	--	--	255.2	--	0.09	--	--	0.01
Nitrite (measured as NO ₂ -)	--	3.29	--	--	--	12.21	--	--	--	--	--
Phosphate	--	--	--	--	--	--	--	--	--	--	--
Sulfate	10.1	--	--	--	--	--	--	--	--	--	--
Dioxins/Furans			--	--	--	--	--	--	--	--	--
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	--	0.00000003	--	--	0.000000037	0.0000000005	--	--	--	--	--
Disinfectants			--	--	--	--	--	0.01	--	--	--
Chlorine (as Cl ₂)	0.06	4.01	--	--	--	--	--	--	--	--	--
Disinfection Byproducts			--	--	--	--	--	--	--	--	--
Total Trihalomethanes	0.00214	0.0807	--	--	--	--	--	0.03	--	--	--
Field Parameters			--	--	--	--	--	--	--	--	--
Dissolved Oxygen	8.57	--	--	--	--	--	--	--	--	--	--
Oxidation Reduction Potential	297	--	--	--	--	--	--	--	--	--	--
pH	7.35	--	--	--	--	--	--	--	--	--	--
Salinity	--	--	--	--	--	--	--	--	--	--	--
Specific Conductance	0.87	--	--	--	--	--	--	--	--	--	--
Temperature	23.79	--	--	--	--	--	--	--	--	--	--
Total Dissolved Solids	--	--	--	--	--	--	--	--	--	--	--
Total Solids	--	--	--	--	--	--	--	--	--	--	--
Turbidity	--	--	--	--	--	--	--	--	--	--	--
Inorganics			--	--	--	--	--	--	--	--	--
Aluminum	--	--	--	--	--	37	--	--	--	--	--
Antimony	--	0.006	--	--	--	0.015	--	--	--	--	--
Arsenic	0.00353	0.01	--	--	--	0.011	0.000045	0.4	--	0.3	78.4
Barium	0.016	2	--	--	--	7.3	--	0.008	--	0.002	--
Beryllium	0.0000629	0.004	--	--	--	0.073	--	0.02	--	0.0009	--
Cadmium (Diet)	--	--	--	--	--	--	--	--	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location LE03

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	0.000681	0.1	--	--	--	--	0.007	--	--	--	--	
Cobalt	0.0000832	--	--	--	--	--	--	--	--	--	--	
Copper	0.046	--	--	--	1.5	--	--	--	--	0.03	--	
Iron	0.123	--	--	--	26	--	--	--	--	0.005	--	
Lead	0.00167	--	--	--	0.02	--	--	--	--	0.08	--	
Manganese (Diet)	--	--	--	--	--	--	--	--	--	--	--	
Manganese (Water)	0.00105	--	--	--	0.88	--	--	--	--	0.001	--	
Mercury	0.000016	0.002	0.00063	--	--	--	0.008	0.03	--	--	--	
Nickel	0.0458	--	--	--	0.73	--	--	--	--	0.06	--	
Selenium	--	0.05	--	--	0.18	--	--	--	--	--	--	
Silver	--	--	--	--	0.18	--	--	--	--	--	--	
Thallium	--	0.002	--	--	0.0024	--	--	--	--	--	--	
Tin	--	--	--	--	22	--	--	--	--	--	--	
Vanadium	0.0011	--	--	--	0.26	--	--	--	--	0.004	--	
Zinc	1.45	--	--	--	11	--	--	--	--	0.1	--	
Microorganisms												
Fecal Coliform	--	0	--	--	--	--	--	--	--	--	--	
Fecal Streptococcus	0	--	--	--	--	--	--	--	--	--	--	
Heterotrophic Plate Count	370	--	--	--	--	--	--	--	--	--	--	
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 LE03

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	0.00101	0.03	--	--	--	0.11	--	0.03	--	--	0.009	
Semi-Volatile Organic Compounds												
1,1'-Biphenyl	--	--	--	--	--	1.8	--	--	--	--	--	
1,2,4,5-Tetrachlorobenzene	--	--	--	--	--	0.011	--	--	--	--	--	
2,3,4,6-Tetrachlorophenol	--	--	--	--	--	1.1	--	--	--	--	--	
2,4,5-Trichlorophenol	--	--	--	--	--	3.7	--	--	--	--	--	
2,4,6-Trichlorophenol	--	--	--	--	--	0.037	0.0061	--	--	--	--	
2,4-Dichlorophenol	--	--	--	--	--	0.11	--	--	--	--	--	
2,4-Dimethylphenol	--	--	--	--	--	0.73	--	--	--	--	--	
2,4-Dinitrophenol	--	--	--	--	--	0.073	--	--	--	--	--	
2,4-Dinitrotoluene	--	--	--	--	--	0.073	--	--	--	--	--	
2,6-Dichlorophenol	--	--	--	--	--	--	--	--	--	--	--	
2,6-Dinitrotoluene	--	--	--	--	--	0.037	--	--	--	--	--	
2-Chloronaphthalene	--	--	--	--	--	2.9	--	--	--	--	--	
2-Chlorophenol	--	--	--	--	--	0.18	--	--	--	--	--	
2-Methylnaphthalene	--	--	--	--	--	0.15	--	--	--	--	--	
2-Methylphenol (o-Cresol)	--	--	--	--	--	1.8	--	--	--	--	--	

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location LE03

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 LE03

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	
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 LE03

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	0.00038	--	--	--	0.73	0.0011	--	--	--	0.0005	0.3	
Bromoform	0.000895	--	--	--	0.73	0.0085	--	--	--	0.001	0.1	
Bromomethane	--	--	0.01	--	0.051	--	--	--	--	--	--	
Carbon Disulfide	--	--	1.5	--	3.7	--	--	--	--	--	--	
Carbon Tetrachloride	--	0.005	0.39	0.00032	0.026	0.00052	--	--	--	--	--	
Chlorobenzene	--	0.1	0.1	--	0.73	--	--	--	--	--	--	
Chloroethane	--	--	21	--	--	--	--	--	--	--	--	
Chloroform	0.000275	--	0.2	0.00021	0.37	0.0022	--	0.001	1.3	0.0007	0.1	
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	0.00059	--	--	--	0.73	0.0008	--	--	--	0.0008	0.7	
Dibromomethane	--	--	--	--	0.37	--	--	--	--	--	--	
Dichlorodifluoromethane (Freon 12)	--	--	0.42	--	7.3	--	--	--	--	--	--	
Ethylbenzene	--	0.7	2.1	0.0019	3.7	0.0061	--	--	--	--	--	
Formaldehyde	--	--	--	--	7.3	--	--	--	--	--	--	
Hexane	--	--	1.5	--	2.2	--	--	--	--	--	--	
Isobutyl Alcohol	--	--	--	--	11	--	--	--	--	--	--	

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location LE03

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	0.03	1.3	0.7	79.8		
							BACKGROUND RISK	0.03	0	0.5	78.4		
							INCREMENTAL RISK	0.001	1.3	0.1	1.3		

-- = 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

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 LE07

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)	0.0000000666	--	0.000072	0.0000045	0.0009	0.01
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	83	--	--	--	--	--
Turbidity	--	--	--	--	--	--
Inorganics						
Aluminum	30600	86900	77000	--	0.4	--
Antimony	0.387	42.8	31	--	0.01	--
Arsenic	8.57	164	22	0.39	0.4	22.0
Barium	224	1813	15000	--	0.01	--
Beryllium	3.61	--	160	1400	0.02	0.003
Cadmium (Diet)	0.219	10.6	70	1800	0.003	0.0001

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location LE07

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	3.91	579	--	--	--	--
Cobalt	4.29	36.6	--	--	--	--
Copper	11.9	3965	3100	--	0.004	--
Iron	14900	154600	55000	--	0.3	--
Lead	26.9	2052	400	--	0.07	--
Manganese (Diet)	472	5923	--	--	--	--
Manganese (Water)	--	--	1800	--	--	--
Mercury	--	2.66	6.7	--	--	--
Nickel	4.37	689	1600	--	0.003	--
Selenium	0.0814	1.9	390	--	0.0002	--
Silver	0.11	8.132	390	--	0.0003	--
Thallium	--	69	5.1	--	--	--
Tin	2.36	--	47000	--	0.00005	--
Vanadium	32.1	187	550	--	0.06	--
Zinc	43.6	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 LE07

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 LE07

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 LE07

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	0.00622	--	67	--	0.00009	--
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	0.0058	--	--	--	--	--
1,3-Butadiene	--	--	2	0.077	--	--
1,3-Dichlorobenzene	0.00434	--	--	--	--	--
1,3-Dichloropropane	--	--	1600	--	--	--
1,4-Dichlorobenzene	0.00373	--	10000	2.6	0.0000004	0.001
2,2-Dichloropropane	--	--	--	--	--	--
2-Butanone (methyl ethyl ketone)	--	--	28000	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location LE07

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	0.0113	--	1600	--	0.000007	--
2-Hexanone	--	--	--	--	--	--
4-Chlorotoluene	0.00623	--	5500	--	0.000001	--
4-Isopropyltoluene	0.00514	--	--	--	--	--
4-Methyl-2-Pentanone	--	--	5300	--	--	--
Acetaldehyde	--	--	89	11	--	--
Acetone	0.0193	--	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	0.0025	--	310	--	0.000008	--
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	0.00597	--	3600	5.7	0.000002	0.001
Formaldehyde	--	--	12000	250000	--	--
Hexane	--	--	570	--	--	--
Isobutyl Alcohol	--	--	23000	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location LE07

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	0.00732	--	2200	--	0.000003	--
m,p-Xylenes	0.0105	--	600	--	0.00002	--
Methyl Acetate	--	--	78000	--	--	--
Methyl tert-Butyl Ether	--	--	15000	39	--	--
Methylcyclohexane	--	--	3400	--	--	--
Methylene Chloride	--	--	1700	11	--	--
n-Butylbenzene	0.00313	--	--	--	--	--
n-Propylbenzene	0.00622	--	--	--	--	--
o-Xylene	0.00403	--	5300	--	0.0000008	--
Pentachloroethane	--	--	--	--	--	--
sec-Butylbenzene	0.00472	--	--	--	--	--
Styrene	0.00586	--	6500	--	0.0000009	--
tert-Butylbenzene	0.00446	--	--	--	--	--
Tetrachloroethene	--	--	380	0.57	--	--
Toluene	0.00976	--	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	1.2	22.0
				BACKGROUND RISK	1.2	22.0
				INCREMENTAL RISK	0.02	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 LE07

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	0.008011979	--	--	--	--	--
Tridecane	0.002147883	--	--	--	--	--
Undecane	0.001075894	--	--	--	--	--
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 LE07

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 LE07

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 LE07

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 LE07

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)	0.717626123	--	--	--	--
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 LE07

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 LE07

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	0.704052092	2.8	0.0041	0.3	171.7
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		0.3	171.7
		BACKGROUND RISK		0	0
		INCREMENTAL RISK		0.3	171.7

-- = 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

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 LE07

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	11.6	--	--	--	--	--	--	--	--	--	--	
Cyanide	--	0.2	--	--	--	0.73	--	--	--	--	--	
Fluoride	--	4	--	--	--	--	--	--	--	--	--	
Nitrate (measured as NO ₃ -)	3.33	44.3	--	--	--	255.2	--	0.08	--	--	0.01	
Nitrite (measured as NO ₂ -)	--	3.29	--	--	--	12.21	--	--	--	--	--	
Phosphate	--	--	--	--	--	--	--	--	--	--	--	
Sulfate	--	9.42	--	--	--	--	--	--	--	--	--	
Dioxins/Furans												
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.000000000034	0.00000003	--	--	--	0.000000037	0.000000005	0.001	--	--	0.0009 0.07	
Disinfectants												
Chlorine (as Cl ₂)	0.04	4.01	--	--	--	--	--	0.010	--	--	--	
Disinfection Byproducts												
Total Trihalomethanes	0.00221	0.0807	--	--	--	--	--	0.03	--	--	--	
Field Parameters												
Dissolved Oxygen	8.609999999999	--	--	--	--	--	--	--	--	--	--	
Oxidation Reduction Potential	294	--	--	--	--	--	--	--	--	--	--	
pH	7.25	--	--	--	--	--	--	--	--	--	--	
Salinity	--	--	--	--	--	--	--	--	--	--	--	
Specific Conductance	0.97	--	--	--	--	--	--	--	--	--	--	
Temperature	24.54	--	--	--	--	--	--	--	--	--	--	
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	0.015	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 LE07

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)	0.0000631	0.005	--	--	--	--	0.018	--	--	0.01	--	--	0.004	--
Chromium	0.000761	0.1	--	--	--	--	--	--	--	0.008	--	--	--	
Cobalt	0.000155	--	--	--	--	--	--	--	--	--	--	--	--	
Copper	0.0879	--	--	--	--	--	1.5	--	--	--	--	0.06	--	
Iron	0.0919	--	--	--	--	--	26	--	--	--	--	0.004	--	
Lead	0.0027	--	--	--	--	--	0.02	--	--	--	--	0.1	--	
Manganese (Diet)	--	--	--	--	--	--	--	--	--	--	--	--	--	
Manganese (Water)	0.00231	--	--	--	--	--	0.88	--	--	--	--	0.003	--	
Mercury	--	0.002	0.00063	--	--	--	--	--	--	--	--	--	--	
Nickel	0.141	--	--	--	--	--	0.73	--	--	--	--	0.2	--	
Selenium	0.000259	0.05	--	--	--	--	0.18	--	0.005	--	--	0.001	--	
Silver	--	--	--	--	--	--	0.18	--	--	--	--	--	--	
Thallium	--	0.002	--	--	--	--	0.0024	--	--	--	--	--	--	
Tin	0.000108	--	--	--	--	--	22	--	--	--	--	0.000005	--	
Vanadium	--	--	--	--	--	--	0.26	--	--	--	--	--	--	
Zinc	1.94	--	--	--	--	--	11	--	--	--	--	0.2	--	
Microorganisms														
Fecal Coliform	--	0	--	--	--	--	--	--	--	--	--	--		
Fecal Streptococcus	0	--	--	--	--	--	--	--	--	--	--	--		
Heterotrophic Plate Count	81	--	--	--	--	--	--	--	--	--	--	--		
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 LE07

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	0.00098	0.03	--	--	--	0.11	--	0.03	--	--	0.009	
Semi-Volatile Organic Compounds												
1,1'-Biphenyl	--	--	--	--	--	1.8	--	--	--	--	--	
1,2,4,5-Tetrachlorobenzene	--	--	--	--	--	0.011	--	--	--	--	--	
2,3,4,6-Tetrachlorophenol	--	--	--	--	--	1.1	--	--	--	--	--	
2,4,5-Trichlorophenol	--	--	--	--	--	3.7	--	--	--	--	--	
2,4,6-Trichlorophenol	--	--	--	--	--	0.037	0.0061	--	--	--	--	
2,4-Dichlorophenol	--	--	--	--	--	0.11	--	--	--	--	--	
2,4-Dimethylphenol	--	--	--	--	--	0.73	--	--	--	--	--	
2,4-Dinitrophenol	--	--	--	--	--	0.073	--	--	--	--	--	
2,4-Dinitrotoluene	--	--	--	--	--	0.073	--	--	--	--	--	
2,6-Dichlorophenol	--	--	--	--	--	--	--	--	--	--	--	
2,6-Dinitrotoluene	--	--	--	--	--	0.037	--	--	--	--	--	
2-Chloronaphthalene	--	--	--	--	--	2.9	--	--	--	--	--	
2-Chlorophenol	--	--	--	--	--	0.18	--	--	--	--	--	
2-Methylnaphthalene	--	--	--	--	--	0.15	--	--	--	--	--	
2-Methylphenol (o-Cresol)	--	--	--	--	--	1.8	--	--	--	--	--	

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location LE07

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	0.000143	--	--	--	--	7.3	--	--	--	0.00002	--	
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 LE07

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	
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 LE07

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	0.000538	--	--	--	0.73	0.0011		--	--	0.0007	0.5	
Bromoform	0.000608	--	--	--	0.73	0.0085		--	--	0.0008	0.07	
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	0.000277	--	0.2	0.00021	0.37	0.0022		0.001	1.3	0.0007	0.1	
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	0.000787	--	--	--	0.73	0.0008		--	--	0.001	1.0	
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 LE07

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	0.001	1.3	1.0	92.0		
							BACKGROUND RISK	0	0	0.8	90.2		
							INCREMENTAL RISK	0.001	1.3	0.2	1.7		

-- = 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 LE08

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	0.172	--	1600	--	0.0001	--
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)	0.0000000294	--	0.000072	0.0000045	0.0004	0.007
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	--	--	--	--	--	--
Turbidity	--	--	--	--	--	--
Inorganics						
Aluminum	22800	86900	77000	--	0.3	--
Antimony	0.293	42.8	31	--	0.009	--
Arsenic	5.64	164	22	0.39	0.3	14.5
Barium	134	1813	15000	--	0.009	--
Beryllium	2.7	--	160	1400	0.02	0.002
Cadmium (Diet)	0.115	10.6	70	1800	0.002	0.00006

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location LE08

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	3.8	579	--	--	--	--
Cobalt	3.24	36.6	--	--	--	--
Copper	8.91	3965	3100	--	0.003	--
Iron	12800	154600	55000	--	0.2	--
Lead	19.2	2052	400	--	0.05	--
Manganese (Diet)	422	5923	--	--	--	--
Manganese (Water)	--	--	1800	--	--	--
Mercury	--	2.66	6.7	--	--	--
Nickel	7.45	689	1600	--	0.005	--
Selenium	0.0888	1.9	390	--	0.0002	--
Silver	--	8.132	390	--	--	--
Thallium	--	69	5.1	--	--	--
Tin	2.02	--	47000	--	0.00004	--
Vanadium	30.4	187	550	--	0.06	--
Zinc	35.2	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 LE08

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 LE08

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 LE08

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 LE08

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	0.000646	--	--	--	--	--
4-Methyl-2-Pentanone	--	--	5300	--	--	--
Acetaldehyde	--	--	89	11	--	--
Acetone	0.0255	--	61000	--	0.0000004	--
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	0.000494	--	3600	5.7	0.0000001	0.00009
Formaldehyde	--	--	12000	250000	--	--
Hexane	--	--	570	--	--	--
Isobutyl Alcohol	--	--	23000	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location LE08

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	0.000329	--	--	--	--	--
Styrene	0.00111	--	6500	--	0.0000002	--
tert-Butylbenzene	0.000659	--	--	--	--	--
Tetrachloroethene	--	--	380	0.57	--	--
Toluene	0.00233	--	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	0.9	14.5
				BACKGROUND RISK	0.9	14.5
				INCREMENTAL RISK	0.02	0.009

-- = 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 LE08

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	0.001276534	--	--	--	--	--
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 LE08

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 LE08

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 LE08

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 LE08

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)	0.287835583	--	--	--	--
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 LE08

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	0.009935611	1	0.0011	0.010	9.0
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 LE08

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	0.003546405	2.8	0.0041	0.001	0.9
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 LE08

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	12.7	--	--	--	--	--	--	--	--	--	--	
Cyanide	--	0.2	--	--	--	0.73	--	--	--	--	--	
Fluoride	--	4	--	--	--	--	--	--	--	--	--	
Nitrate (measured as NO ₃ -)	3.9	44.3	--	--	--	255.2	--	0.09	--	--	0.02	
Nitrite (measured as NO ₂ -)	--	3.29	--	--	--	12.21	--	--	--	--	--	
Phosphate	--	--	--	--	--	--	--	--	--	--	--	
Sulfate	9.94999999999999	--	--	--	--	--	--	--	--	--	--	
Dioxins/Furans												
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	--	0.00000003	--	--	0.000000037	0.0000000005	--	--	--	--	--	
Disinfectants												
Chlorine (as Cl ₂)	0.4	4.01	--	--	--	--	--	0.10	--	--	--	
Disinfection Byproducts												
Total Trihalomethanes	0.001981	0.0807	--	--	--	--	--	0.02	--	--	--	
Field Parameters												
Dissolved Oxygen	8.84	--	--	--	--	--	--	--	--	--	--	
Oxidation Reduction Potential	321	--	--	--	--	--	--	--	--	--	--	
pH	7.39	--	--	--	--	--	--	--	--	--	--	
Salinity	--	--	--	--	--	--	--	--	--	--	--	
Specific Conductance	0.9	--	--	--	--	--	--	--	--	--	--	
Temperature	25.74	--	--	--	--	--	--	--	--	--	--	
Total Dissolved Solids	--	--	--	--	--	--	--	--	--	--	--	
Total Solids	--	--	--	--	--	--	--	--	--	--	--	
Turbidity	4	--	--	--	--	--	--	--	--	--	--	
Inorganics												
Aluminum	--	--	--	--	--	37	--	--	--	--	--	
Antimony	--	0.006	--	--	--	0.015	--	--	--	--	--	
Arsenic	0.00379	0.01	--	--	--	0.011	0.000045	0.4	--	0.3	84.2	
Barium	0.0175	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 LE08

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)	0.000048	0.005	--	--	--	--	0.018	--	--	0.010	--	--	0.003	--
Chromium	0.000818	0.1	--	--	--	--	--	--	--	0.008	--	--	--	--
Cobalt	0.000162	--	--	--	--	--	--	--	--	--	--	--	--	
Copper	0.128	--	--	--	--	--	1.5	--	--	--	--	0.09	--	
Iron	0.109	--	--	--	--	--	26	--	--	--	--	0.004	--	
Lead	0.00403	--	--	--	--	--	0.02	--	--	--	--	0.2	--	
Manganese (Diet)	--	--	--	--	--	--	--	--	--	--	--	--	--	
Manganese (Water)	0.00403	--	--	--	--	--	0.88	--	--	--	--	0.005	--	
Mercury	0.000023	0.002	0.00063	--	--	--	--	--	0.01	0.04	--	--	--	
Nickel	0.0494	--	--	--	--	--	0.73	--	--	--	--	0.07	--	
Selenium	0.000238	0.05	--	--	--	--	0.18	--	0.005	--	--	0.001	--	
Silver	--	--	--	--	--	--	0.18	--	--	--	--	--	--	
Thallium	--	0.002	--	--	--	--	0.0024	--	--	--	--	--	--	
Tin	--	--	--	--	--	--	22	--	--	--	--	--	--	
Vanadium	0.00215	--	--	--	--	--	0.26	--	--	--	--	0.008	--	
Zinc	1.96	--	--	--	--	--	11	--	--	--	--	0.2	--	
Microorganisms														
Fecal Coliform	--	0	--	--	--	--	--	--	--	--	--	--		
Fecal Streptococcus	0	--	--	--	--	--	--	--	--	--	--	--		
Heterotrophic Plate Count	1230	--	--	--	--	--	--	--	--	--	--	--		
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 LE08

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	0.000972	0.03	--	--	0.11	--	0.03	--	--	0.009	--	
Semi-Volatile Organic Compounds												
1,1'-Biphenyl	--	--	--	--	1.8	--	--	--	--	--	--	
1,2,4,5-Tetrachlorobenzene	--	--	--	--	0.011	--	--	--	--	--	--	
2,3,4,6-Tetrachlorophenol	--	--	--	--	1.1	--	--	--	--	--	--	
2,4,5-Trichlorophenol	--	--	--	--	3.7	--	--	--	--	--	--	
2,4,6-Trichlorophenol	--	--	--	--	0.037	0.0061	--	--	--	--	--	
2,4-Dichlorophenol	--	--	--	--	0.11	--	--	--	--	--	--	
2,4-Dimethylphenol	--	--	--	--	0.73	--	--	--	--	--	--	
2,4-Dinitrophenol	--	--	--	--	0.073	--	--	--	--	--	--	
2,4-Dinitrotoluene	--	--	--	--	0.073	--	--	--	--	--	--	
2,6-Dichlorophenol	--	--	--	--	--	--	--	--	--	--	--	
2,6-Dinitrotoluene	--	--	--	--	0.037	--	--	--	--	--	--	
2-Chloronaphthalene	--	--	--	--	2.9	--	--	--	--	--	--	
2-Chlorophenol	--	--	--	--	0.18	--	--	--	--	--	--	
2-Methylnaphthalene	--	--	--	--	0.15	--	--	--	--	--	--	
2-Methylphenol (o-Cresol)	--	--	--	--	1.8	--	--	--	--	--	--	

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location LE08

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 LE08

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 LE08

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	0.000307	--	--	--	0.73	0.0011		--	--	0.0004	0.3	
Bromoform	0.000982	--	--	--	0.73	0.0085		--	--	0.001	0.1	
Bromomethane	--	--	0.01	--	0.051	--		--	--	--	--	
Carbon Disulfide	--	--	1.5	--	3.7	--		--	--	--	--	
Carbon Tetrachloride	--	0.005	0.39	0.00032	0.026	0.00052		--	--	--	--	
Chlorobenzene	--	0.1	0.1	--	0.73	--		--	--	--	--	
Chloroethane	--	--	21	--	--	--		--	--	--	--	
Chloroform	0.000157	--	0.2	0.00021	0.37	0.0022		0.0008	0.7	0.0004	0.07	
Chloromethane	--	--	0.19	0.0027	--	0.0052		--	--	--	--	
Chloroprene	--	--	0.015	--	0.73	--		--	--	--	--	
cis-1,2-Dichloroethene	--	0.07	--	--	0.37	--		--	--	--	--	
cis-1,3-Dichloropropene	--	--	--	--	--	--		--	--	--	--	
Cyclohexane	--	--	13	--	--	--		--	--	--	--	
Dibromochloromethane	0.000535	--	--	--	0.73	0.0008		--	--	0.0007	0.7	
Dibromomethane	--	--	--	--	0.37	--		--	--	--	--	
Dichlorodifluoromethane (Freon 12)	--	--	0.42	--	7.3	--		--	--	--	--	
Ethylbenzene	--	0.7	2.1	0.0019	3.7	0.0061		--	--	--	--	
Formaldehyde	--	--	--	--	7.3	--		--	--	--	--	
Hexane	--	--	1.5	--	2.2	--		--	--	--	--	
Isobutyl Alcohol	--	--	--	--	11	--		--	--	--	--	

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location LE08

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	0.7	0.9	85.4		
							BACKGROUND RISK	0.04	0	0.6	84.2		
							INCREMENTAL RISK	0.0008	0.7	0.3	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 LE10

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 LE10

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 LE10

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 LE10

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 LE10

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 LE10

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 LE10

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 LE10

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	11.9	--	--	--	--	--	--	--	--	--	--	
Cyanide	--	0.2	--	--	--	0.73	--	--	--	--	--	
Fluoride	--	4	--	--	--	--	--	--	--	--	--	
Nitrate (measured as NO ₃ -)	3.62	44.3	--	--	--	255.2	--	0.08	--	--	0.01	
Nitrite (measured as NO ₂ -)	--	3.29	--	--	--	12.21	--	--	--	--	--	
Phosphate	--	--	--	--	--	--	--	--	--	--	--	
Sulfate	9.94999999999999	--	--	--	--	--	--	--	--	--	--	
Dioxins/Furans												
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	--	0.00000003	--	--	0.000000037	0.0000000005	--	--	--	--	--	
Disinfectants												
Chlorine (as Cl ₂)	0.06	4.01	--	--	--	--	--	0.01	--	--	--	
Disinfection Byproducts												
Total Trihalomethanes	0.002447	0.0807	--	--	--	--	--	0.03	--	--	--	
Field Parameters												
Dissolved Oxygen	8.539999999999	--	--	--	--	--	--	--	--	--	--	
Oxidation Reduction Potential	297	--	--	--	--	--	--	--	--	--	--	
pH	7.25	--	--	--	--	--	--	--	--	--	--	
Salinity	--	--	--	--	--	--	--	--	--	--	--	
Specific Conductance	0.85	--	--	--	--	--	--	--	--	--	--	
Temperature	23.95	--	--	--	--	--	--	--	--	--	--	
Total Dissolved Solids	--	--	--	--	--	--	--	--	--	--	--	
Total Solids	--	--	--	--	--	--	--	--	--	--	--	
Turbidity	--	--	--	--	--	--	--	--	--	--	--	
Inorganics												
Aluminum	0.00252	--	--	--	37	--	--	--	0.00007	--	--	
Antimony	0.000362	0.006	--	--	0.015	--	0.06	--	0.02	--	--	
Arsenic	0.00328	0.01	--	--	0.011	0.000045	0.3	--	0.3	72.9	--	
Barium	0.0153	2	--	--	7.3	--	0.008	--	0.002	--	--	
Beryllium	0.0000675	0.004	--	--	0.073	--	0.02	--	0.0009	--	--	
Cadmium (Diet)	--	--	--	--	--	--	--	--	--	--	--	

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location LE10

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)	0.000142	0.005	--	--	--	--	0.018	--	--	0.03	--	
Chromium	0.000691	0.1	--	--	--	--	--	--	--	0.007	--	
Cobalt	0.0001	--	--	--	--	--	--	--	--	--	--	
Copper	0.433	--	--	--	--	--	1.5	--	--	--	0.3	
Iron	0.0185	--	--	--	--	--	26	--	--	--	0.0007	
Lead	0.00619	--	--	--	--	--	0.02	--	--	--	0.3	
Manganese (Diet)	--	--	--	--	--	--	--	--	--	--	--	
Manganese (Water)	0.00353	--	--	--	--	--	0.88	--	--	--	0.004	
Mercury	0.000015	0.002	0.00063	--	--	--	--	--	0.008	0.02	--	
Nickel	0.068	--	--	--	--	--	0.73	--	--	--	0.09	
Selenium	0.000218	0.05	--	--	--	--	0.18	--	0.004	--	0.001	
Silver	--	--	--	--	--	--	0.18	--	--	--	--	
Thallium	--	0.002	--	--	--	--	0.0024	--	--	--	--	
Tin	--	--	--	--	--	--	22	--	--	--	--	
Vanadium	--	--	--	--	--	--	0.26	--	--	--	--	
Zinc	2.13	--	--	--	--	--	11	--	--	--	0.2	
Microorganisms												
Fecal Coliform	--	0	--	--	--	--	--	--	--	--	--	
Fecal Streptococcus	0	--	--	--	--	--	--	--	--	--	--	
Heterotrophic Plate Count	132	--	--	--	--	--	--	--	--	--	--	
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 LE10

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	0.000978	0.03	--	--	--	0.11	--	0.03	--	--	0.009	
Semi-Volatile Organic Compounds												
1,1'-Biphenyl	--	--	--	--	--	1.8	--	--	--	--	--	
1,2,4,5-Tetrachlorobenzene	--	--	--	--	--	0.011	--	--	--	--	--	
2,3,4,6-Tetrachlorophenol	--	--	--	--	--	1.1	--	--	--	--	--	
2,4,5-Trichlorophenol	--	--	--	--	--	3.7	--	--	--	--	--	
2,4,6-Trichlorophenol	--	--	--	--	--	0.037	0.0061	--	--	--	--	
2,4-Dichlorophenol	--	--	--	--	--	0.11	--	--	--	--	--	
2,4-Dimethylphenol	--	--	--	--	--	0.73	--	--	--	--	--	
2,4-Dinitrophenol	--	--	--	--	--	0.073	--	--	--	--	--	
2,4-Dinitrotoluene	--	--	--	--	--	0.073	--	--	--	--	--	
2,6-Dichlorophenol	--	--	--	--	--	--	--	--	--	--	--	
2,6-Dinitrotoluene	--	--	--	--	--	0.037	--	--	--	--	--	
2-Chloronaphthalene	--	--	--	--	--	2.9	--	--	--	--	--	
2-Chlorophenol	--	--	--	--	--	0.18	--	--	--	--	--	
2-Methylnaphthalene	--	--	--	--	--	0.15	--	--	--	--	--	
2-Methylphenol (o-Cresol)	--	--	--	--	--	1.8	--	--	--	--	--	

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location LE10

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 LE10

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	
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 LE10

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	0.000542	--	--	--	0.73	0.0011	--	--	--	0.0007	0.5	
Bromoform	0.000857	--	--	--	0.73	0.0085	--	--	--	0.001	0.1	
Bromomethane	--	--	0.01	--	0.051	--	--	--	--	--	--	
Carbon Disulfide	--	--	--	1.5	--	3.7	--	--	--	--	--	
Carbon Tetrachloride	--	0.005	0.39	0.00032	0.026	0.00052	--	--	--	--	--	
Chlorobenzene	--	0.1	0.1	--	0.73	--	--	--	--	--	--	
Chloroethane	--	--	21	--	--	--	--	--	--	--	--	
Chloroform	0.000216	--	0.2	0.00021	0.37	0.0022	--	0.001	1.0	0.0006	0.10	
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	0.000832	--	--	--	0.73	0.0008	--	--	--	0.001	1.0	
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 LE10

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	0.02	1.0	1.3	74.6	
							BACKGROUND RISK	0.02	0	0.6	72.9	
							INCREMENTAL RISK	0.001	1.0	0.6	1.7	

-- = 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 LE11

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)	0.0000002622	--	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	--	--	--	--	--	--
Turbidity	--	--	--	--	--	--
Inorganics						
Aluminum	59800	86900	77000	--	0.8	--
Antimony	0.58	42.8	31	--	0.02	--
Arsenic	21	164	22	0.39	1.0	53.8
Barium	426	1813	15000	--	0.03	--
Beryllium	7.9	--	160	1400	0.05	0.006
Cadmium (Diet)	0.4	10.6	70	1800	0.006	0.0002

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location LE11

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	6.1	579	--	--	--	--
Cobalt	6.9	36.6	--	--	--	--
Copper	28	3965	3100	--	0.009	--
Iron	27200	154600	55000	--	0.5	--
Lead	45	2052	400	--	0.1	--
Manganese (Diet)	851	5923	--	--	--	--
Manganese (Water)	--	--	1800	--	--	--
Mercury	0.14	2.66	6.7	--	0.02	--
Nickel	6.5	689	1600	--	0.004	--
Selenium	0.19	1.9	390	--	0.0005	--
Silver	0.13	8.132	390	--	0.0003	--
Thallium	2	69	5.1	--	0.4	--
Tin	3.9	--	47000	--	0.00008	--
Vanadium	54	187	550	--	0.10	--
Zinc	72	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 LE11

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 LE11

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 LE11

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)	0.00451	--	43000	--	0.0000001	--
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 LE11

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	0.0218	--	61000	--	0.0000004	--
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 LE11

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	0.000703	--	5000	--	0.0000001	--
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		3.0	53.9
			BACKGROUND RISK		2.9	53.8
			INCREMENTAL RISK		0.05	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 LE11

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	0.004003854	--	--	--	--	--
Tridecane	0.003756793	--	--	--	--	--
Undecane	0.002822717	--	--	--	--	--
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 LE11

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 LE11

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 LE11

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 LE11

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)	0.35178779	--	--	--	--
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 LE11

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 LE11

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	0.040132512	2.8	0.0041	0.01	9.8
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	9.8
		BACKGROUND RISK		0	0
		INCREMENTAL RISK		0.01	9.8

-- = 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

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 LE11

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	9.84	--	--	--	--	--	--	--	--	--	--	
Cyanide	--	0.2	--	--	--	0.73	--	--	--	--	--	
Fluoride	--	4	--	--	--	--	--	--	--	--	--	
Nitrate (measured as NO ₃ -)	3.47	44.3	--	--	--	255.2	--	0.08	--	--	0.01	
Nitrite (measured as NO ₂ -)	--	3.29	--	--	--	12.21	--	--	--	--	--	
Phosphate	--	--	--	--	--	--	--	--	--	--	--	
Sulfate	--	10.2	--	--	--	--	--	--	--	--	--	
Dioxins/Furans												
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.000000000182	0.00000003	--	--	--	0.000000037	0.000000005	0.006	--	--	0.005	
Disinfectants												
Chlorine (as Cl ₂)	0.02	4.01	--	--	--	--	--	0.005	--	--	--	
Disinfection Byproducts												
Total Trihalomethanes	0.001984	0.0807	--	--	--	--	--	0.02	--	--	--	
Field Parameters												
Dissolved Oxygen	9.6	--	--	--	--	--	--	--	--	--	--	
Oxidation Reduction Potential	301	--	--	--	--	--	--	--	--	--	--	
pH	7.43	--	--	--	--	--	--	--	--	--	--	
Salinity	--	--	--	--	--	--	--	--	--	--	--	
Specific Conductance	0.82	--	--	--	--	--	--	--	--	--	--	
Temperature	28	--	--	--	--	--	--	--	--	--	--	
Total Dissolved Solids	--	--	--	--	--	--	--	--	--	--	--	
Total Solids	--	--	--	--	--	--	--	--	--	--	--	
Turbidity	17	--	--	--	--	--	--	--	--	--	--	
Inorganics												
Aluminum	0.0118	--	--	--	--	37	--	--	--	0.0003	--	
Antimony	--	0.006	--	--	--	0.015	--	--	--	--	--	
Arsenic	0.00532	0.01	--	--	--	0.011	0.000045	0.5	--	0.5	118.2	
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 LE11

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	0.000769	0.1	--	--	--	--	0.008	--	--	--	--	
Cobalt	0.0000722	--	--	--	--	--	--	--	--	--	--	
Copper	0.0206	--	--	--	1.5	--	--	--	--	0.01	--	
Iron	0.0135	--	--	--	26	--	--	--	--	0.0005	--	
Lead	0.00083	--	--	--	0.02	--	--	--	--	0.04	--	
Manganese (Diet)	--	--	--	--	--	--	--	--	--	--	--	
Manganese (Water)	0.000369	--	--	--	0.88	--	--	--	--	0.0004	--	
Mercury	--	0.002	0.00063	--	--	--	--	--	--	--	--	
Nickel	0.00196	--	--	--	0.73	--	--	--	--	0.003	--	
Selenium	0.000209	0.05	--	--	0.18	--	0.004	--	--	0.001	--	
Silver	--	--	--	--	0.18	--	--	--	--	--	--	
Thallium	--	0.002	--	--	0.0024	--	--	--	--	--	--	
Tin	0.000123	--	--	--	22	--	--	--	--	0.000006	--	
Vanadium	0.0023	--	--	--	0.26	--	--	--	--	0.009	--	
Zinc	1.32	--	--	--	11	--	--	--	--	0.1	--	
Microorganisms												
Fecal Coliform	--	0	--	--	--	--	--	--	--	--	--	
Fecal Streptococcus	0	--	--	--	--	--	--	--	--	--	--	
Heterotrophic Plate Count	9	--	--	--	--	--	--	--	--	--	--	
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 LE11

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	0.0009	0.03	--	--	--	0.11	--	0.03	--	0.008	--	
Semi-Volatile Organic Compounds												
1,1'-Biphenyl	--	--	--	--	--	1.8	--	--	--	--	--	
1,2,4,5-Tetrachlorobenzene	--	--	--	--	--	0.011	--	--	--	--	--	
2,3,4,6-Tetrachlorophenol	--	--	--	--	--	1.1	--	--	--	--	--	
2,4,5-Trichlorophenol	--	--	--	--	--	3.7	--	--	--	--	--	
2,4,6-Trichlorophenol	--	--	--	--	--	0.037	0.0061	--	--	--	--	
2,4-Dichlorophenol	--	--	--	--	--	0.11	--	--	--	--	--	
2,4-Dimethylphenol	--	--	--	--	--	0.73	--	--	--	--	--	
2,4-Dinitrophenol	--	--	--	--	--	0.073	--	--	--	--	--	
2,4-Dinitrotoluene	--	--	--	--	--	0.073	--	--	--	--	--	
2,6-Dichlorophenol	--	--	--	--	--	--	--	--	--	--	--	
2,6-Dinitrotoluene	--	--	--	--	--	0.037	--	--	--	--	--	
2-Chloronaphthalene	--	--	--	--	--	2.9	--	--	--	--	--	
2-Chlorophenol	--	--	--	--	--	0.18	--	--	--	--	--	
2-Methylnaphthalene	--	--	--	--	--	0.15	--	--	--	--	--	
2-Methylphenol (o-Cresol)	--	--	--	--	--	1.8	--	--	--	--	--	

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location LE11

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 LE11

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	
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 LE11

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	0.000381	--	--	--	0.73	0.0011		--	--	0.0005	0.3	
Bromoform	0.000787	--	--	--	0.73	0.0085		--	--	0.001	0.09	
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	0.000237	--	0.2	0.00021	0.37	0.0022		0.001	1.1	0.0006	0.1	
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	0.000579	--	--	--	0.73	0.0008		--	--	0.0008	0.7	
Dibromomethane	--	--	--	--	0.37	--		--	--	--	--	
Dichlorodifluoromethane (Freon 12)	--	--	0.42	--	7.3	--		--	--	--	--	
Ethylbenzene	--	0.7	2.1	0.0019	3.7	0.0061		--	--	--	--	
Formaldehyde	--	--	--	--	7.3	--		--	--	--	--	
Hexane	--	--	1.5	--	2.2	--		--	--	--	--	
Isobutyl Alcohol	--	--	--	--	11	--		--	--	--	--	

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location LE11

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	0.001	1.1	0.7	119.8		
							BACKGROUND RISK	0	0	0.6	118.2		
							INCREMENTAL RISK	0.001	1.1	0.08	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 LE12

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)	0.0000000542	--	0.000072	0.0000045	0.0008	0.01
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	--	--	--	--	--	--
Turbidity	--	--	--	--	--	--
Inorganics						
Aluminum	52400	86900	77000	--	0.7	--
Antimony	0.68	42.8	31	--	0.02	--
Arsenic	14.6	164	22	0.39	0.7	37.4
Barium	413	1813	15000	--	0.03	--
Beryllium	5.85	--	160	1400	0.04	0.004
Cadmium (Diet)	0.235	10.6	70	1800	0.003	0.0001

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location LE12

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	5.84	579	--	--	--	--
Cobalt	6.08	36.6	--	--	--	--
Copper	57.8	3965	3100	--	0.02	--
Iron	24100	154600	55000	--	0.4	--
Lead	70.7	2052	400	--	0.2	--
Manganese (Diet)	779	5923	--	--	--	--
Manganese (Water)	--	--	1800	--	--	--
Mercury	0.137	2.66	6.7	--	0.02	--
Nickel	6.18	689	1600	--	0.004	--
Selenium	0.183	1.9	390	--	0.0005	--
Silver	0.323	8.132	390	--	0.0008	--
Thallium	1.78	69	5.1	--	0.3	--
Tin	7.6	--	47000	--	0.0002	--
Vanadium	58	187	550	--	0.1	--
Zinc	61.4	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 LE12

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 LE12

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 LE12

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)	0.00453	--	43000	--	0.0000001	--
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 LE12

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 LE12

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	0.00406	--	5000	--	0.0000008	--
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		2.6	37.5
			BACKGROUND RISK		2.5	37.4
			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 LE12

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	10.8	--	--	--	--	--	--	--	--	--	--	
Cyanide	--	0.2	--	--	--	0.73	--	--	--	--	--	
Fluoride	--	4	--	--	--	--	--	--	--	--	--	
Nitrate (measured as NO ₃ -)	3.5	44.3	--	--	--	255.2	--	0.08	--	--	0.01	
Nitrite (measured as NO ₂ -)	--	3.29	--	--	--	12.21	--	--	--	--	--	
Phosphate	--	--	--	--	--	--	--	--	--	--	--	
Sulfate	9.34	--	--	--	--	--	--	--	--	--	--	
Dioxins/Furans												
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	--	0.00000003	--	--	0.000000037	0.0000000005	--	--	--	--	--	
Disinfectants												
Chlorine (as Cl ₂)	0.06	4.01	--	--	--	--	--	0.01	--	--	--	
Disinfection Byproducts												
Total Trihalomethanes	0.001556	0.0807	--	--	--	--	--	0.02	--	--	--	
Field Parameters												
Dissolved Oxygen	7.61	--	--	--	--	--	--	--	--	--	--	
Oxidation Reduction Potential	311	--	--	--	--	--	--	--	--	--	--	
pH	7.45	--	--	--	--	--	--	--	--	--	--	
Salinity	--	--	--	--	--	--	--	--	--	--	--	
Specific Conductance	0.82	--	--	--	--	--	--	--	--	--	--	
Temperature	26.97	--	--	--	--	--	--	--	--	--	--	
Total Dissolved Solids	--	--	--	--	--	--	--	--	--	--	--	
Total Solids	--	--	--	--	--	--	--	--	--	--	--	
Turbidity	--	--	--	--	--	--	--	--	--	--	--	
Inorganics												
Aluminum	--	--	--	--	--	37	--	--	--	--	--	
Antimony	--	0.006	--	--	--	0.015	--	--	--	--	--	
Arsenic	0.00405	0.01	--	--	--	0.011	0.000045	0.4	--	0.4	90.0	
Barium	0.0171	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 LE12

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	0.000671	0.1	--	--	--	--	--	0.007	--	--	--	--	--
Cobalt	0.000121	--	--	--	--	--	--	--	--	--	--	--	--
Copper	0.0403	--	--	--	--	1.5	--	--	--	--	0.03	--	--
Iron	0.0223	--	--	--	--	26	--	--	--	--	0.0009	--	--
Lead	0.00207	--	--	--	--	0.02	--	--	--	--	0.1	--	--
Manganese (Diet)	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese (Water)	0.000716	--	--	--	--	0.88	--	--	--	--	0.0008	--	--
Mercury	0.000025	0.002	0.00063	--	--	--	--	0.01	0.04	--	--	--	--
Nickel	0.0251	--	--	--	--	0.73	--	--	--	--	0.03	--	--
Selenium	0.000215	0.05	--	--	--	0.18	--	0.004	--	--	0.001	--	--
Silver	--	--	--	--	--	0.18	--	--	--	--	--	--	--
Thallium	--	0.002	--	--	--	0.0024	--	--	--	--	--	--	--
Tin	--	--	--	--	--	22	--	--	--	--	--	--	--
Vanadium	0.00193	--	--	--	--	0.26	--	--	--	--	0.007	--	--
Zinc	1.63	--	--	--	--	11	--	--	--	--	0.1	--	--
Microorganisms													
Fecal Coliform	--	0	--	--	--	--	--	--	--	--	--	--	--
Fecal Streptococcus	0	--	--	--	--	--	--	--	--	--	--	--	--
Heterotrophic Plate Count	29	--	--	--	--	--	--	--	--	--	--	--	--
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 LE12

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	0.00111	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 LE12

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 LE12

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 LE12

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	0.000186	--	--	--	0.73	0.0011		--	--	0.0003	0.2	
Bromoform	0.000867	--	--	--	0.73	0.0085		--	--	0.001	0.1	
Bromomethane	--	--	0.01	--	0.051	--		--	--	--	--	
Carbon Disulfide	--	--	1.5	--	3.7	--		--	--	--	--	
Carbon Tetrachloride	--	0.005	0.39	0.00032	0.026	0.00052		--	--	--	--	
Chlorobenzene	--	0.1	0.1	--	0.73	--		--	--	--	--	
Chloroethane	--	--	21	--	--	--		--	--	--	--	
Chloroform	0.000131	--	0.2	0.00021	0.37	0.0022		0.0007	0.6	0.0004	0.06	
Chloromethane	--	--	0.19	0.0027	--	0.0052		--	--	--	--	
Chloroprene	--	--	0.015	--	0.73	--		--	--	--	--	
cis-1,2-Dichloroethene	--	0.07	--	--	0.37	--		--	--	--	--	
cis-1,3-Dichloropropene	--	--	--	--	--	--		--	--	--	--	
Cyclohexane	--	--	13	--	--	--		--	--	--	--	
Dibromochloromethane	0.000372	--	--	--	0.73	0.0008		--	--	0.0005	0.5	
Dibromomethane	--	--	--	--	0.37	--		--	--	--	--	
Dichlorodifluoromethane (Freon 12)	--	--	0.42	--	7.3	--		--	--	--	--	
Ethylbenzene	--	0.7	2.1	0.0019	3.7	0.0061		--	--	--	--	
Formaldehyde	--	--	--	--	7.3	--		--	--	--	--	
Hexane	--	--	1.5	--	2.2	--		--	--	--	--	
Isobutyl Alcohol	--	--	--	--	11	--		--	--	--	--	

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location LE12

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	0.6	0.7	90.8		
							BACKGROUND RISK	0.04	0	0.6	90.0		
							INCREMENTAL RISK	0.0007	0.6	0.2	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 LE15

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)	0.0000002007	--	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	82.59999999999999	--	--	--	--	--
Turbidity	--	--	--	--	--	--
Inorganics						
Aluminum	22100	86900	77000	--	0.3	--
Antimony	0.328	42.8	31	--	0.01	--
Arsenic	6.16	164	22	0.39	0.3	15.8
Barium	158	1813	15000	--	0.01	--
Beryllium	3.25	--	160	1400	0.02	0.002
Cadmium (Diet)	0.187	10.6	70	1800	0.003	0.0001

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location LE15

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	2.82	579	--	--	--	--
Cobalt	3.64	36.6	--	--	--	--
Copper	13.7	3965	3100	--	0.004	--
Iron	12500	154600	55000	--	0.2	--
Lead	25	2052	400	--	0.06	--
Manganese (Diet)	440	5923	--	--	--	--
Manganese (Water)	--	--	1800	--	--	--
Mercury	--	2.66	6.7	--	--	--
Nickel	3.51	689	1600	--	0.002	--
Selenium	--	1.9	390	--	--	--
Silver	--	8.132	390	--	--	--
Thallium	--	69	5.1	--	--	--
Tin	2.27	--	47000	--	0.00005	--
Vanadium	22.5	187	550	--	0.04	--
Zinc	38.8	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 LE15

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 LE15

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 LE15

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)	0.00684	--	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	0.00425	--	67	--	0.00006	--
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	0.00483	--	--	--	--	--
1,3-Butadiene	--	--	2	0.077	--	--
1,3-Dichlorobenzene	0.003	--	--	--	--	--
1,3-Dichloropropane	--	--	1600	--	--	--
1,4-Dichlorobenzene	0.00279	--	10000	2.6	0.0000003	0.001
2,2-Dichloropropane	--	--	--	--	--	--
2-Butanone (methyl ethyl ketone)	--	--	28000	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location LE15

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	0.00342	--	1600	--	0.000002	--
2-Hexanone	--	--	--	--	--	--
4-Chlorotoluene	0.00373	--	5500	--	0.000007	--
4-Isopropyltoluene	0.00427	--	--	--	--	--
4-Methyl-2-Pentanone	--	--	5300	--	--	--
Acetaldehyde	--	--	89	11	--	--
Acetone	0.0122	--	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	0.0042	--	3600	5.7	0.000001	0.0007
Formaldehyde	--	--	12000	250000	--	--
Hexane	--	--	570	--	--	--
Isobutyl Alcohol	--	--	23000	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location LE15

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	0.00319	--	2200	--	0.000001	--
m,p-Xylenes	0.00678	--	600	--	0.00001	--
Methyl Acetate	--	--	78000	--	--	--
Methyl tert-Butyl Ether	--	--	15000	39	--	--
Methylcyclohexane	--	--	3400	--	--	--
Methylene Chloride	--	--	1700	11	--	--
n-Butylbenzene	0.00324	--	--	--	--	--
n-Propylbenzene	0.00467	--	--	--	--	--
o-Xylene	0.00343	--	5300	--	0.0000006	--
Pentachloroethane	--	--	--	--	--	--
sec-Butylbenzene	0.00351	--	--	--	--	--
Styrene	0.00338	--	6500	--	0.0000005	--
tert-Butylbenzene	0.00439	--	--	--	--	--
Tetrachloroethene	--	--	380	0.57	--	--
Toluene	0.00439	--	5000	--	0.0000009	--
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	1.0	15.8
				BACKGROUND RISK	0.9	15.8
				INCREMENTAL RISK	0.02	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 LE15

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	0.023900771	--	--	--	--	--
Tridecane	0.006407414	--	--	--	--	--
Undecane	0.001069844	--	--	--	--	--
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 LE15

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 LE15

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 LE15

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 LE15

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)	0.765448648	--	--	--	--
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 LE15

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 LE15

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	0.003602536	2.8	0.0041	0.001	0.9
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		0.001	0.9
		BACKGROUND RISK		0	0
		INCREMENTAL RISK		0.001	0.9

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

CEF = Cancer exceedance factor. CEFs were calculated by dividing detected concentrations by cancer-based USEPA RSLs.

A CEF of 1 corresponds to a cancer risk of 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 LE15

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	11.3	--	--	--	--	--	--	--	--	--	--	
Cyanide	--	0.2	--	--	--	0.73	--	--	--	--	--	
Fluoride	--	4	--	--	--	--	--	--	--	--	--	
Nitrate (measured as NO ₃ -)	3.77	44.3	--	--	--	255.2	--	0.09	--	--	0.01	
Nitrite (measured as NO ₂ -)	--	3.29	--	--	--	12.21	--	--	--	--	--	
Phosphate	--	--	--	--	--	--	--	--	--	--	--	
Sulfate	9.710000000000	--	--	--	--	--	--	--	--	--	--	
Dioxins/Furans												
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	--	0.00000003	--	--	0.000000037	0.000000005	--	--	--	--	--	
Disinfectants												
Chlorine (as Cl ₂)	0.12	4.01	--	--	--	--	--	0.03	--	--	--	
Disinfection Byproducts												
Total Trihalomethanes	0.001993	0.0807	--	--	--	--	--	0.02	--	--	--	
Field Parameters												
Dissolved Oxygen	9.029999999999	--	--	--	--	--	--	--	--	--	--	
Oxidation Reduction Potential	309	--	--	--	--	--	--	--	--	--	--	
pH	7.16	--	--	--	--	--	--	--	--	--	--	
Salinity	--	--	--	--	--	--	--	--	--	--	--	
Specific Conductance	0.94	--	--	--	--	--	--	--	--	--	--	
Temperature	23.98	--	--	--	--	--	--	--	--	--	--	
Total Dissolved Solids	--	--	--	--	--	--	--	--	--	--	--	
Total Solids	--	--	--	--	--	--	--	--	--	--	--	
Turbidity	--	--	--	--	--	--	--	--	--	--	--	
Inorganics												
Aluminum	--	--	--	--	--	37	--	--	--	--	--	
Antimony	--	0.006	--	--	--	0.015	--	--	--	--	--	
Arsenic	0.00442	0.01	--	--	--	0.011	0.000045	0.4	--	0.4	98.2	
Barium	0.0168	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 LE15

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	0.000579	0.1	--	--	--	--	--	0.006	--	--	--	
Cobalt	0.000101	--	--	--	--	--	--	--	--	--	--	
Copper	0.0513	--	--	--	--	1.5	--	--	--	0.03	--	
Iron	0.0162	--	--	--	--	26	--	--	--	0.0006	--	
Lead	0.0016	--	--	--	--	0.02	--	--	--	0.08	--	
Manganese (Diet)	--	--	--	--	--	--	--	--	--	--	--	
Manganese (Water)	0.000945	--	--	--	--	0.88	--	--	--	0.001	--	
Mercury	--	0.002	0.00063	--	--	--	--	--	--	--	--	
Nickel	0.0127	--	--	--	--	0.73	--	--	--	0.02	--	
Selenium	0.000304	0.05	--	--	--	0.18	--	0.006	--	--	0.002	
Silver	--	--	--	--	--	0.18	--	--	--	--	--	
Thallium	--	0.002	--	--	--	0.0024	--	--	--	--	--	
Tin	--	--	--	--	--	22	--	--	--	--	--	
Vanadium	0.00192	--	--	--	--	0.26	--	--	--	0.007	--	
Zinc	2	--	--	--	--	11	--	--	--	0.2	--	
Microorganisms												
Fecal Coliform	--	0	--	--	--	--	--	--	--	--	--	
Fecal Streptococcus	0	--	--	--	--	--	--	--	--	--	--	
Heterotrophic Plate Count	58	--	--	--	--	--	--	--	--	--	--	
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 LE15

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	0.00103	0.03	--	--	--	0.11	--	0.03	--	--	0.009	
Semi-Volatile Organic Compounds												
1,1'-Biphenyl	--	--	--	--	--	1.8	--	--	--	--	--	
1,2,4,5-Tetrachlorobenzene	--	--	--	--	--	0.011	--	--	--	--	--	
2,3,4,6-Tetrachlorophenol	--	--	--	--	--	1.1	--	--	--	--	--	
2,4,5-Trichlorophenol	--	--	--	--	--	3.7	--	--	--	--	--	
2,4,6-Trichlorophenol	--	--	--	--	--	0.037	0.0061	--	--	--	--	
2,4-Dichlorophenol	--	--	--	--	--	0.11	--	--	--	--	--	
2,4-Dimethylphenol	--	--	--	--	--	0.73	--	--	--	--	--	
2,4-Dinitrophenol	--	--	--	--	--	0.073	--	--	--	--	--	
2,4-Dinitrotoluene	--	--	--	--	--	0.073	--	--	--	--	--	
2,6-Dichlorophenol	--	--	--	--	--	--	--	--	--	--	--	
2,6-Dinitrotoluene	--	--	--	--	--	0.037	--	--	--	--	--	
2-Chloronaphthalene	--	--	--	--	--	2.9	--	--	--	--	--	
2-Chlorophenol	--	--	--	--	--	0.18	--	--	--	--	--	
2-Methylnaphthalene	--	--	--	--	--	0.15	--	--	--	--	--	
2-Methylphenol (o-Cresol)	--	--	--	--	--	1.8	--	--	--	--	--	

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location LE15

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 LE15

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 LE15

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	0.000476	--	--	--	0.73	0.0011	--	--	--	0.0007	0.4	
Bromoform	0.000593	--	--	--	0.73	0.0085	--	--	--	0.0008	0.07	
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	0.000288	--	0.2	0.00021	0.37	0.0022	--	0.001	1.4	0.0008	0.1	
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	0.000636	--	--	--	0.73	0.0008	--	--	--	0.0009	0.8	
Dibromomethane	--	--	--	--	0.37	--	--	--	--	--	--	
Dichlorodifluoromethane (Freon 12)	--	--	0.42	--	7.3	--	--	--	--	--	--	
Ethylbenzene	--	0.7	2.1	0.0019	3.7	0.0061	--	--	--	--	--	
Formaldehyde	--	--	--	--	7.3	--	--	--	--	--	--	
Hexane	--	--	1.5	--	2.2	--	--	--	--	--	--	
Isobutyl Alcohol	--	--	--	--	11	--	--	--	--	--	--	

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location LE15

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		
Isophorone	--	--	--	--	--	--		7.3	0.071	--	--	
Isopropylbenzene	--	--	0.83	--	--	3.7		--	--	--	--	
m,p-Xylenes	--	--	0.21	--	--	7.3		--	--	--	--	
Methyl Acetate	--	--	--	--	--	37		--	--	--	--	
Methyl tert-Butyl Ether	--	--	6.3	0.019	--	0.037		--	--	--	--	
Methylcyclohexane	--	--	6.3	--	--	--		--	--	--	--	
Methylene Chloride	--	0.005	2.2	0.01	2.2	0.009		--	--	--	--	
n-Butylbenzene	--	--	--	--	--	--		--	--	--	--	
n-Propylbenzene	--	--	--	--	--	--		--	--	--	--	
o-Xylene	--	--	1.5	--	73	--		--	--	--	--	
Pentachloroethane	--	--	--	--	--	--		--	--	--	--	
sec-Butylbenzene	--	--	--	--	--	--		--	--	--	--	
Styrene	--	0.1	2.1	--	7.3	--		--	--	--	--	
tert-Butylbenzene	--	--	--	--	--	--		--	--	--	--	
Tetrachloroethene	--	0.005	0.57	0.00082	0.37	0.00012		--	--	--	--	
Toluene	--	1	10	--	2.9	--		--	--	--	--	
trans-1,2-Dichloroethene	--	0.1	0.13	--	0.73	--		--	--	--	--	
trans-1,3-Dichloropropene	--	--	--	--	--	--		--	--	--	--	
Trans-1,4-Dichloro-2-Butene	--	--	--	--	--	--		--	--	--	--	
Trichloroethene	--	0.005	--	0.0024	--	0.0052		--	--	--	--	
Trichlorofluoromethane	--	--	1.5	--	11	--		--	--	--	--	
Vinyl Acetate	--	--	0.42	--	37	--		--	--	--	--	
Vinyl Chloride	--	0.002	0.21	0.00032	0.11	0.000017		--	--	--	--	
Xylenes, Total	--	10	0.21	--	7.3	--		--	--	--	--	
							TOTAL RISK	0.001	1.4	0.8	99.7	
							BACKGROUND RISK	0	0	0.6	98.2	
							INCREMENTAL RISK	0.001	1.4	0.1	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 LE19

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)	0.00000005303	--	0.000072	0.0000045	0.0007	0.01
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	88.5	--	--	--	--	--
Turbidity	--	--	--	--	--	--
Inorganics						
Aluminum	20900	86900	77000	--	0.3	--
Antimony	0.31	42.8	31	--	0.010	--
Arsenic	5.5	164	22	0.39	0.3	14.1
Barium	130	1813	15000	--	0.009	--
Beryllium	2.9	--	160	1400	0.02	0.002
Cadmium (Diet)	0.17	10.6	70	1800	0.002	0.00009

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location LE19

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	2.9	579	--	--	--	--
Cobalt	2.9	36.6	--	--	--	--
Copper	8.9	3965	3100	--	0.003	--
Iron	10800	154600	55000	--	0.2	--
Lead	20	2052	400	--	0.05	--
Manganese (Diet)	394	5923	--	--	--	--
Manganese (Water)	--	--	1800	--	--	--
Mercury	--	2.66	6.7	--	--	--
Nickel	2.9	689	1600	--	0.002	--
Selenium	0.17	1.9	390	--	0.0004	--
Silver	--	8.132	390	--	--	--
Thallium	--	69	5.1	--	--	--
Tin	1.4	--	47000	--	0.00003	--
Vanadium	19	187	550	--	0.03	--
Zinc	36	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 LE19

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 LE19

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 LE19

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	0.00387	--	310	1.1	0.00001	0.004
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	0.00201	--	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	--	--	13000	0.45	--	--
1,2-Dichloropropane	--	--	17	0.93	--	--
1,3,5-Trimethylbenzene	0.00301	--	--	--	--	--
1,3-Butadiene	--	--	2	0.077	--	--
1,3-Dichlorobenzene	0.00168	--	--	--	--	--
1,3-Dichloropropane	0.00223	--	1600	--	0.000001	--
1,4-Dichlorobenzene	0.00218	--	10000	2.6	0.0000002	0.0008
2,2-Dichloropropane	--	--	--	--	--	--
2-Butanone (methyl ethyl ketone)	--	--	28000	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location LE19

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	0.00212	--	--	--	--	--
4-Methyl-2-Pentanone	--	--	5300	--	--	--
Acetaldehyde	--	--	89	11	--	--
Acetone	0.00963	--	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	0.00228	--	1600	10	0.000001	0.0002
Bromoform	--	--	1200	61	--	--
Bromomethane	--	--	7.9	--	--	--
Carbon Disulfide	--	--	670	--	--	--
Carbon Tetrachloride	--	--	47	0.25	--	--
Chlorobenzene	0.00179	--	310	--	0.000006	--
Chloroethane	--	--	15000	--	--	--
Chloroform	--	--	220	0.3	--	--
Chloromethane	--	--	120	1.7	--	--
Chloroprene	--	--	8.6	--	--	--
cis-1,2-Dichloroethene	--	--	780	--	--	--
cis-1,3-Dichloropropene	0.00171	--	--	--	--	--
Cyclohexane	--	--	7200	--	--	--
Dibromochloromethane	--	--	1200	5.8	--	--
Dibromomethane	--	--	780	--	--	--
Dichlorodifluoromethane (Freon 12)	--	--	190	--	--	--
Ethylbenzene	0.00395	--	3600	5.7	0.000001	0.0007
Formaldehyde	--	--	12000	250000	--	--
Hexane	--	--	570	--	--	--
Isobutyl Alcohol	--	--	23000	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location LE19

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	0.00365	--	2200	--	0.000002	--
m,p-Xylenes	0.00573	--	600	--	0.000010	--
Methyl Acetate	--	--	78000	--	--	--
Methyl tert-Butyl Ether	--	--	15000	39	--	--
Methylcyclohexane	--	--	3400	--	--	--
Methylene Chloride	--	--	1700	11	--	--
n-Butylbenzene	0.00142	--	--	--	--	--
n-Propylbenzene	0.00251	--	--	--	--	--
o-Xylene	0.00284	--	5300	--	0.0000005	--
Pentachloroethane	--	--	--	--	--	--
sec-Butylbenzene	0.00191	--	--	--	--	--
Styrene	0.0035	--	6500	--	0.0000005	--
tert-Butylbenzene	0.00282	--	--	--	--	--
Tetrachloroethene	0.00332	--	380	0.57	0.000009	0.006
Toluene	0.0115	--	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	0.8	14.1
				BACKGROUND RISK	0.8	14.1
				INCREMENTAL RISK	0.02	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 LE19

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	0.007184248	--	--	--	--	--
Tridecane	0.004213085	--	--	--	--	--
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 LE19

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 LE19

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 LE19

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 LE19

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)	0.54441613	--	--	--	--
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 LE19

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 LE19

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	0.005685086	2.8	0.0041	0.002	1.4
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		0.002	1.4
		BACKGROUND RISK		0	0
		INCREMENTAL RISK		0.002	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

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 LE19

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	NCEF	CEF	
Alkane Hydrocarbon												
Octane	--	--	--	--	--	--	--	--	--	--	--	
Pentadecane	--	--	--	--	--	--	--	--	--	--	--	
Tridecane	--	--	--	--	--	--	--	--	--	--	--	
Undecane	--	--	--	--	--	--	--	--	--	--	--	
Anion												
Chloride	9.58	--	--	--	--	--	--	--	--	--	--	
Cyanide	--	0.2	--	--	--	0.73	--	--	--	--	--	
Fluoride	--	4	--	--	--	--	--	--	--	--	--	
Nitrate (measured as NO ₃ -)	3.54	44.3	--	--	--	255.2	--	0.08	--	--	0.01	
Nitrite (measured as NO ₂ -)	--	3.29	--	--	--	12.21	--	--	--	--	--	
Phosphate	--	--	--	--	--	--	--	--	--	--	--	
Sulfate	8.27999999999999	--	--	--	--	--	--	--	--	--	--	
Dioxins/Furans												
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.000000000843	0.00000003	--	--	--	0.000000037	0.000000005	0.03	--	--	0.02	
Disinfectants											1.6	
Chlorine (as Cl ₂)	0.06	4.01	--	--	--	--	--	0.01	--	--	--	
Disinfection Byproducts												
Total Trihalomethanes	0.001858	0.0807	--	--	--	--	--	0.02	--	--	--	
Field Parameters												
Dissolved Oxygen	8.99	--	--	--	--	--	--	--	--	--	--	
Oxidation Reduction Potential	321	--	--	--	--	--	--	--	--	--	--	
pH	7.13	--	--	--	--	--	--	--	--	--	--	
Salinity	--	--	--	--	--	--	--	--	--	--	--	
Specific Conductance	1.1	--	--	--	--	--	--	--	--	--	--	
Temperature	31.12	--	--	--	--	--	--	--	--	--	--	
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	0.0146	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 LE19

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	0.000616	0.1	--	--	--	--	0.006	--	--	--	--	
Cobalt	0.000098	--	--	--	--	--	--	--	--	--	--	
Copper	0.0439	--	--	--	1.5	--	--	--	--	0.03	--	
Iron	0.0113	--	--	--	26	--	--	--	--	0.0004	--	
Lead	0.00178	--	--	--	0.02	--	--	--	--	0.09	--	
Manganese (Diet)	--	--	--	--	--	--	--	--	--	--	--	
Manganese (Water)	0.000604	--	--	--	0.88	--	--	--	--	0.0007	--	
Mercury	--	0.002	0.00063	--	--	--	--	--	--	--	--	
Nickel	0.0527	--	--	--	0.73	--	--	--	--	0.07	--	
Selenium	0.000301	0.05	--	--	0.18	--	0.006	--	--	0.002	--	
Silver	--	--	--	--	0.18	--	--	--	--	--	--	
Thallium	--	0.002	--	--	0.0024	--	--	--	--	--	--	
Tin	--	--	--	--	22	--	--	--	--	--	--	
Vanadium	0.00132	--	--	--	0.26	--	--	--	--	0.005	--	
Zinc	1.13	--	--	--	11	--	--	--	--	0.1	--	
Microorganisms												
Fecal Coliform	--	0	--	--	--	--	--	--	--	--	--	
Fecal Streptococcus	0	--	--	--	--	--	--	--	--	--	--	
Heterotrophic Plate Count	310	--	--	--	--	--	--	--	--	--	--	
Total Coliforms (including Fecal Coliform and E. Coli)	1	0	--	--	--	--	> MCL	--	--	--	--	
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 LE19

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	0.00101	0.03	--	--	--	0.11	--	0.03	--	--	0.009	
Semi-Volatile Organic Compounds												
1,1'-Biphenyl	--	--	--	--	--	1.8	--	--	--	--	--	
1,2,4,5-Tetrachlorobenzene	--	--	--	--	--	0.011	--	--	--	--	--	
2,3,4,6-Tetrachlorophenol	--	--	--	--	--	1.1	--	--	--	--	--	
2,4,5-Trichlorophenol	--	--	--	--	--	3.7	--	--	--	--	--	
2,4,6-Trichlorophenol	--	--	--	--	--	0.037	0.0061	--	--	--	--	
2,4-Dichlorophenol	--	--	--	--	--	0.11	--	--	--	--	--	
2,4-Dimethylphenol	--	--	--	--	--	0.73	--	--	--	--	--	
2,4-Dinitrophenol	--	--	--	--	--	0.073	--	--	--	--	--	
2,4-Dinitrotoluene	--	--	--	--	--	0.073	--	--	--	--	--	
2,6-Dichlorophenol	--	--	--	--	--	--	--	--	--	--	--	
2,6-Dinitrotoluene	--	--	--	--	--	0.037	--	--	--	--	--	
2-Chloronaphthalene	--	--	--	--	--	2.9	--	--	--	--	--	
2-Chlorophenol	--	--	--	--	--	0.18	--	--	--	--	--	
2-Methylnaphthalene	--	--	--	--	--	0.15	--	--	--	--	--	
2-Methylphenol (o-Cresol)	--	--	--	--	--	1.8	--	--	--	--	--	

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location LE19

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 LE19

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	
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 LE19

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	0.000411	--	--	--	0.73	0.0011	--	--	--	0.0006	0.4	
Bromoform	0.000577	--	--	--	0.73	0.0085	--	--	--	0.0008	0.07	
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	0.00023	--	0.2	0.00021	0.37	0.0022	--	0.001	1.1	0.0006	0.1	
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	0.00064	--	--	--	0.73	0.0008	--	--	--	0.0009	0.8	
Dibromomethane	--	--	--	--	0.37	--	--	--	--	--	--	
Dichlorodifluoromethane (Freon 12)	--	--	0.42	--	7.3	--	--	--	--	--	--	
Ethylbenzene	--	0.7	2.1	0.0019	3.7	0.0061	--	--	--	--	--	
Formaldehyde	--	--	--	--	7.3	--	--	--	--	--	--	
Hexane	--	--	1.5	--	2.2	--	--	--	--	--	--	
Isobutyl Alcohol	--	--	--	--	11	--	--	--	--	--	--	

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location LE19

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	0.001	1.1	0.7	93.2	
							BACKGROUND RISK	0	0	0.6	90.2	
							INCREMENTAL RISK	0.001	1.1	0.2	3.0	

-- = 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

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 LE20

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)	0.00000043513	--	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	77.09999999999999	--	--	--	--	--
Turbidity	--	--	--	--	--	--
Inorganics						
Aluminum	28800	86900	77000	--	0.4	--
Antimony	0.363	42.8	31	--	0.01	--
Arsenic	7.79	164	22	0.39	0.4	20.0
Barium	188	1813	15000	--	0.01	--
Beryllium	3.61	--	160	1400	0.02	0.003
Cadmium (Diet)	0.196	10.6	70	1800	0.003	0.0001

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location LE20

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	4.57	579	--	--	--	--
Cobalt	3.94	36.6	--	--	--	--
Copper	14	3965	3100	--	0.005	--
Iron	15100	154600	55000	--	0.3	--
Lead	27.3	2052	400	--	0.07	--
Manganese (Diet)	508	5923	--	--	--	--
Manganese (Water)	--	--	1800	--	--	--
Mercury	--	2.66	6.7	--	--	--
Nickel	4.15	689	1600	--	0.003	--
Selenium	0.0965	1.9	390	--	0.0002	--
Silver	0.114	8.132	390	--	0.0003	--
Thallium	--	69	5.1	--	--	--
Tin	2.98	--	47000	--	0.00006	--
Vanadium	28.4	187	550	--	0.05	--
Zinc	53.5	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 LE20

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 LE20

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 LE20

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	0.00222	--	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	--	--	13000	0.45	--	--
1,2-Dichloropropane	--	--	17	0.93	--	--
1,3,5-Trimethylbenzene	0.00279	--	--	--	--	--
1,3-Butadiene	--	--	2	0.077	--	--
1,3-Dichlorobenzene	--	--	--	--	--	--
1,3-Dichloropropane	0.00172	--	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 LE20

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	0.00192	--	--	--	--	--
4-Methyl-2-Pentanone	--	--	5300	--	--	--
Acetaldehyde	--	--	89	11	--	--
Acetone	0.0478	--	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	0.00251	--	310	--	0.000008	--
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	0.00284	--	3600	5.7	0.0000008	0.0005
Formaldehyde	--	--	12000	250000	--	--
Hexane	--	--	570	--	--	--
Isobutyl Alcohol	--	--	23000	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location LE20

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	0.00296	--	2200	--	0.000001	--
m,p-Xylenes	0.00522	--	600	--	0.000009	--
Methyl Acetate	--	--	78000	--	--	--
Methyl tert-Butyl Ether	--	--	15000	39	--	--
Methylcyclohexane	--	--	3400	--	--	--
Methylene Chloride	--	--	1700	11	--	--
n-Butylbenzene	0.00136	--	--	--	--	--
n-Propylbenzene	0.00274	--	--	--	--	--
o-Xylene	0.00279	--	5300	--	0.0000005	--
Pentachloroethane	--	--	--	--	--	--
sec-Butylbenzene	0.00212	--	--	--	--	--
Styrene	0.00308	--	6500	--	0.0000005	--
tert-Butylbenzene	0.00192	--	--	--	--	--
Tetrachloroethene	--	--	380	0.57	--	--
Toluene	0.00524	--	5000	--	0.000001	--
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	1.2	20.1
				BACKGROUND RISK	1.2	20.0
				INCREMENTAL RISK	0.03	0.10

-- = 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 LE20

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	0.001150963	--	--	--	--	--
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 LE20

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 LE20

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 LE20

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 LE20

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)	0.051012231	--	--	--	--
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 LE20

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 LE20

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	0.077720561	2.8	0.0041	0.03	19.0
Toluene	--	52	--	--	--
trans-1,2-Dichloroethene	--	0.63	--	--	--
trans-1,3-Dichloropropene	--	--	--	--	--
Trans-1,4-Dichloro-2-Butene	--	--	--	--	--
Trichloroethene	--	--	0.012	--	--
Trichlorofluoromethane	--	7.3	--	--	--
Vinyl Acetate	--	2.1	--	--	--
Vinyl Chloride	--	1	0.0016	--	--
Xylenes, Total	--	1	--	--	--
		TOTAL RISK		0.03	19.0
		BACKGROUND RISK		0	0
		INCREMENTAL RISK		0.03	19.0

-- = 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 LE20

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	9.52	--	--	--	--	--	--	--	--	--	--	
Cyanide	--	0.2	--	--	--	0.73	--	--	--	--	--	
Fluoride	0.204	4	--	--	--	--	--	0.05	--	--	--	
Nitrate (measured as NO ₃ -)	3.53	44.3	--	--	--	255.2	--	0.08	--	--	0.01	
Nitrite (measured as NO ₂ -)	--	3.29	--	--	--	12.21	--	--	--	--	--	
Phosphate	--	--	--	--	--	--	--	--	--	--	--	
Sulfate	9.390000000000	--	--	--	--	--	--	--	--	--	--	
Dioxins/Furans												
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.000000000684	0.00000003	--	--	--	0.000000037	0.000000005	0.02	--	--	0.02	
Disinfectants											1.3	
Chlorine (as Cl ₂)	0.02	4.01	--	--	--	--	--	0.005	--	--	--	
Disinfection Byproducts												
Total Trihalomethanes	0.002489	0.0807	--	--	--	--	--	0.03	--	--	--	
Field Parameters												
Dissolved Oxygen	8.09	--	--	--	--	--	--	--	--	--	--	
Oxidation Reduction Potential	303	--	--	--	--	--	--	--	--	--	--	
pH	7.46	--	--	--	--	--	--	--	--	--	--	
Salinity	--	--	--	--	--	--	--	--	--	--	--	
Specific Conductance	0.82	--	--	--	--	--	--	--	--	--	--	
Temperature	26.2	--	--	--	--	--	--	--	--	--	--	
Total Dissolved Solids	--	--	--	--	--	--	--	--	--	--	--	
Total Solids	--	--	--	--	--	--	--	--	--	--	--	
Turbidity	--	--	--	--	--	--	--	--	--	--	--	
Inorganics												
Aluminum	--	--	--	--	--	37	--	--	--	--	--	
Antimony	--	0.006	--	--	--	0.015	--	--	--	--	--	
Arsenic	0.00428	0.01	--	--	--	0.011	0.000045	0.4	--	--	0.4	
Barium	0.0156	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 LE20

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	0.000787	0.1	--	--	--	--	0.008	--	--	--	--	
Cobalt	0.0000834	--	--	--	--	--	--	--	--	--	--	
Copper	0.0428	--	--	--	1.5	--	--	--	--	0.03	--	
Iron	0.0144	--	--	--	26	--	--	--	--	0.0006	--	
Lead	0.002	--	--	--	0.02	--	--	--	--	0.1	--	
Manganese (Diet)	--	--	--	--	--	--	--	--	--	--	--	
Manganese (Water)	0.000347	--	--	--	0.88	--	--	--	--	0.0004	--	
Mercury	--	0.002	0.00063	--	--	--	--	--	--	--	--	
Nickel	0.0244	--	--	--	0.73	--	--	--	--	0.03	--	
Selenium	0.000294	0.05	--	--	0.18	--	0.006	--	--	0.002	--	
Silver	--	--	--	--	0.18	--	--	--	--	--	--	
Thallium	--	0.002	--	--	0.0024	--	--	--	--	--	--	
Tin	--	--	--	--	22	--	--	--	--	--	--	
Vanadium	0.00196	--	--	--	0.26	--	--	--	--	0.008	--	
Zinc	1.26	--	--	--	11	--	--	--	--	0.1	--	
Microorganisms												
Fecal Coliform	--	0	--	--	--	--	--	--	--	--	--	
Fecal Streptococcus	0	--	--	--	--	--	--	--	--	--	--	
Heterotrophic Plate Count	104	--	--	--	--	--	--	--	--	--	--	
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 LE20

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	0.000986	0.03	--	--	0.11	--	0.03	--	--	0.009	--	
Semi-Volatile Organic Compounds												
1,1'-Biphenyl	--	--	--	--	--	1.8	--	--	--	--	--	
1,2,4,5-Tetrachlorobenzene	--	--	--	--	--	0.011	--	--	--	--	--	
2,3,4,6-Tetrachlorophenol	--	--	--	--	--	1.1	--	--	--	--	--	
2,4,5-Trichlorophenol	--	--	--	--	--	3.7	--	--	--	--	--	
2,4,6-Trichlorophenol	--	--	--	--	--	0.037	0.0061	--	--	--	--	
2,4-Dichlorophenol	--	--	--	--	--	0.11	--	--	--	--	--	
2,4-Dimethylphenol	--	--	--	--	--	0.73	--	--	--	--	--	
2,4-Dinitrophenol	--	--	--	--	--	0.073	--	--	--	--	--	
2,4-Dinitrotoluene	--	--	--	--	--	0.073	--	--	--	--	--	
2,6-Dichlorophenol	--	--	--	--	--	--	--	--	--	--	--	
2,6-Dinitrotoluene	--	--	--	--	--	0.037	--	--	--	--	--	
2-Chloronaphthalene	--	--	--	--	--	2.9	--	--	--	--	--	
2-Chlorophenol	--	--	--	--	--	0.18	--	--	--	--	--	
2-Methylnaphthalene	--	--	--	--	--	0.15	--	--	--	--	--	
2-Methylphenol (o-Cresol)	--	--	--	--	--	1.8	--	--	--	--	--	

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location LE20

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 LE20

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
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 LE20

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	0.000694	--	--	--	0.73	0.0011	--	--	--	0.0010	0.6	
Bromoform	0.000519	--	--	--	0.73	0.0085	--	--	--	0.0007	0.06	
Bromomethane	--	--	0.01	--	0.051	--	--	--	--	--	--	
Carbon Disulfide	--	--	--	1.5	--	3.7	--	--	--	--	--	
Carbon Tetrachloride	--	0.005	0.39	0.00032	0.026	0.00052	--	--	--	--	--	
Chlorobenzene	--	0.1	0.1	--	0.73	--	--	--	--	--	--	
Chloroethane	--	--	21	--	--	--	--	--	--	--	--	
Chloroform	0.0004	--	0.2	0.00021	0.37	0.0022	--	0.002	1.9	0.001	0.2	
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	0.000876	--	--	--	0.73	0.0008	--	--	--	0.001	1.1	
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 LE20

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	0.002	1.9	0.7	98.4	
							BACKGROUND RISK	0	0	0.5	95.1	
							INCREMENTAL RISK	0.002	1.9	0.2	3.3	

-- = 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

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 LE21

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)	0.0000028857	--	0.000072	0.0000045	0.04	0.6
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	--	--	--	--	--	--
Turbidity	--	--	--	--	--	--
Inorganics						
Aluminum	41300	86900	77000	--	0.5	--
Antimony	0.565	42.8	31	--	0.02	--
Arsenic	10	164	22	0.39	0.5	25.6
Barium	328	1813	15000	--	0.02	--
Beryllium	4.19	--	160	1400	0.03	0.003
Cadmium (Diet)	0.265	10.6	70	1800	0.004	0.0001

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location LE21

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	5.11	579	--	--	--	--
Cobalt	4.58	36.6	--	--	--	--
Copper	30	3965	3100	--	0.010	--
Iron	21100	154600	55000	--	0.4	--
Lead	42.7	2052	400	--	0.1	--
Manganese (Diet)	712	5923	--	--	--	--
Manganese (Water)	--	--	1800	--	--	--
Mercury	--	2.66	6.7	--	--	--
Nickel	5.5	689	1600	--	0.003	--
Selenium	0.659	1.9	390	--	0.002	--
Silver	0.206	8.132	390	--	0.0005	--
Thallium	2.53	69	5.1	--	0.5	--
Tin	3.57	--	47000	--	0.00008	--
Vanadium	34.8	187	550	--	0.06	--
Zinc	64.2	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 LE21

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 LE21

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 LE21

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 LE21

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	0.000696	--	--	--	--	--
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	0.00124	--	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 LE21

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	0.000711	--	2200	--	0.0000003	--
m,p-Xylenes	0.00138	--	600	--	0.000002	--
Methyl Acetate	--	--	78000	--	--	--
Methyl tert-Butyl Ether	--	--	15000	39	--	--
Methylcyclohexane	--	--	3400	--	--	--
Methylene Chloride	--	--	1700	11	--	--
n-Butylbenzene	--	--	--	--	--	--
n-Propylbenzene	0.000756	--	--	--	--	--
o-Xylene	--	--	5300	--	--	--
Pentachloroethane	--	--	--	--	--	--
sec-Butylbenzene	0.000734	--	--	--	--	--
Styrene	--	--	6500	--	--	--
tert-Butylbenzene	--	--	--	--	--	--
Tetrachloroethene	--	--	380	0.57	--	--
Toluene	0.00455	--	5000	--	0.000009	--
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	26.3
			BACKGROUND RISK		2.1	25.6
			INCREMENTAL RISK		0.07	0.6

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

CEF = Cancer exceedance factor. CEFs were calculated by dividing detected concentrations by cancer-based USEPA RSLs.

A CEF of 1 corresponds to a cancer risk of 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 LE22

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)	0.0000005199	--	0.000072	0.0000045	0.008	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	--	--	--	--	--	--
Turbidity	--	--	--	--	--	--
Inorganics						
Aluminum	35000	86900	77000	--	0.5	--
Antimony	0.613	42.8	31	--	0.02	--
Arsenic	9.390000000000001	164	22	0.39	0.4	24.1
Barium	289	1813	15000	--	0.02	--
Beryllium	3.72	--	160	1400	0.02	0.003
Cadmium (Diet)	0.278	10.6	70	1800	0.004	0.0002

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location LE22

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	4.34	579	--	--	--	--
Cobalt	4.43	36.6	--	--	--	--
Copper	16.2	3965	3100	--	0.005	--
Iron	18200	154600	55000	--	0.3	--
Lead	35.7	2052	400	--	0.09	--
Manganese (Diet)	614	5923	--	--	--	--
Manganese (Water)	--	--	1800	--	--	--
Mercury	--	2.66	6.7	--	--	--
Nickel	5.71	689	1600	--	0.004	--
Selenium	0.177	1.9	390	--	0.0005	--
Silver	0.11	8.132	390	--	0.0003	--
Thallium	--	69	5.1	--	--	--
Tin	3.26	--	47000	--	0.00007	--
Vanadium	34	187	550	--	0.06	--
Zinc	49.2	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 LE22

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 LE22

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 LE22

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 LE22

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	0.000531	--	--	--	--	--
4-Methyl-2-Pentanone	--	--	5300	--	--	--
Acetaldehyde	--	--	89	11	--	--
Acetone	0.0265	--	61000	--	0.0000004	--
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	0.000993	--	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 LE22

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	0.00138	--	600	--	0.000002	--
Methyl Acetate	--	--	78000	--	--	--
Methyl tert-Butyl Ether	--	--	15000	39	--	--
Methylcyclohexane	--	--	3400	--	--	--
Methylene Chloride	0.00175	--	1700	11	0.000001	0.0002
n-Butylbenzene	--	--	--	--	--	--
n-Propylbenzene	0.000492	--	--	--	--	--
o-Xylene	--	--	5300	--	--	--
Pentachloroethane	--	--	--	--	--	--
sec-Butylbenzene	0.000421	--	--	--	--	--
Styrene	0.000752	--	6500	--	0.0000001	--
tert-Butylbenzene	--	--	--	--	--	--
Tetrachloroethene	--	--	380	0.57	--	--
Toluene	0.00423	--	5000	--	0.0000008	--
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		1.4	24.2
			BACKGROUND RISK		1.4	24.1
			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 LE23

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)	0.0000001944	--	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	--	--	--	--	--	--
Turbidity	--	--	--	--	--	--
Inorganics						
Aluminum	53600	86900	77000	--	0.7	--
Antimony	0.602	42.8	31	--	0.02	--
Arsenic	18.4	164	22	0.39	0.8	47.2
Barium	365	1813	15000	--	0.02	--
Beryllium	5.35	--	160	1400	0.03	0.004
Cadmium (Diet)	0.333	10.6	70	1800	0.005	0.0002

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location LE23

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	5.15	579	--	--	--	--
Cobalt	5.61	36.6	--	--	--	--
Copper	16.2	3965	3100	--	0.005	--
Iron	23900	154600	55000	--	0.4	--
Lead	36.8	2052	400	--	0.09	--
Manganese (Diet)	771	5923	--	--	--	--
Manganese (Water)	--	--	1800	--	--	--
Mercury	--	2.66	6.7	--	--	--
Nickel	5.75	689	1600	--	0.004	--
Selenium	0.138	1.9	390	--	0.0004	--
Silver	--	8.132	390	--	--	--
Thallium	--	69	5.1	--	--	--
Tin	3.41	--	47000	--	0.00007	--
Vanadium	45.4	187	550	--	0.08	--
Zinc	56.2	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 LE23

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	0.0105	--	6300	--	0.000002	--
2-Chlorophenol	--	--	390	--	--	--
2-Methylnaphthalene	0.0224	--	310	--	0.00007	--
2-Methylphenol (o-Cresol)	--	--	3100	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location LE23

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	0.0145	--	61	35	0.0002	0.0004
Naphthalene	0.00899	--	150	3.9	0.00006	0.002
Nitrobenzene	--	--	31	--	--	--
o-Toluidine	--	--	--	2.7	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location LE23

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	0.0473	--	18000	--	0.000003	--
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 LE23

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	0.00841	--	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	0.00048	--	3600	5.7	0.0000001	0.00008
Formaldehyde	--	--	12000	250000	--	--
Hexane	--	--	570	--	--	--
Isobutyl Alcohol	--	--	23000	--	--	--

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location LE23

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	0.000435	--	--	--	--	--
o-Xylene	0.000332	--	5300	--	0.00000006	--
Pentachloroethane	--	--	--	--	--	--
sec-Butylbenzene	0.000318	--	--	--	--	--
Styrene	--	--	6500	--	--	--
tert-Butylbenzene	0.00058	--	--	--	--	--
Tetrachloroethene	--	--	380	0.57	--	--
Toluene	0.00155	--	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		2.2	47.2
			BACKGROUND RISK		2.2	47.2
			INCREMENTAL RISK		0.04	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 LEIW01

Chemical	Maximum Detected Concentration	USEPA MCL	Irrigation Well Water - mg/L									
			USEPA RSL				USEPA MCL EF	USEPA RSL				
			30-Year Exposure					Inhalation		Ingestion		
			NonCancer	Cancer	NonCancer	Cancer		Inhalation	Ingestion	NCEF	CEF	
Alkane Hydrocarbon												
Octane	--	--	--	--	--	--	--	--	--	--	--	
Pentadecane	--	--	--	--	--	--	--	--	--	--	--	
Tridecane	--	--	--	--	--	--	--	--	--	--	--	
Undecane	--	--	--	--	--	--	--	--	--	--	--	
Anion												
Chloride	66.900000000000	--	--	--	--	--	--	--	--	--	--	
Cyanide	--	0.2	--	--	0.73	--	--	--	--	--	--	
Fluoride	0.918	4	--	--	--	--	0.2	--	--	--	--	
Nitrate (measured as NO3-)	293	44.3	--	--	255.2	--	6.6	--	1.1	--	--	
Nitrite (measured as NO2-)	--	3.29	--	--	12.21	--	--	--	--	--	--	
Phosphate	--	--	--	--	--	--	--	--	--	--	--	
Sulfate	136	--	--	--	--	--	--	--	--	--	--	
Dioxins/Furans												
Total Dioxin/Furans (2,3,7,8-TCDD TEQs)	0.00000000068	0.00000003	--	--	0.00000037	0.000000005	0.02	--	--	0.02	1.3	
Disinfectants												
Chlorine (as Cl2)	--	4.01	--	--	--	--	--	--	--	--	--	
Disinfection Byproducts												
Total Trihalomethanes	0.000148	0.0807	--	--	--	--	0.002	--	--	--	--	
Field Parameters												
Dissolved Oxygen	--	--	--	--	--	--	--	--	--	--	--	
Oxidation Reduction Potential	--	--	--	--	--	--	--	--	--	--	--	
pH	--	--	--	--	--	--	--	--	--	--	--	
Salinity	--	--	--	--	--	--	--	--	--	--	--	
Specific Conductance	--	--	--	--	--	--	--	--	--	--	--	
Temperature	--	--	--	--	--	--	--	--	--	--	--	
Total Dissolved Solids	--	--	--	--	--	--	--	--	--	--	--	
Total Solids	--	--	--	--	--	--	--	--	--	--	--	
Turbidity	--	--	--	--	--	--	--	--	--	--	--	
Inorganics												
Aluminum	0.00357	--	--	--	37	--	--	--	0.00010	--	--	
Antimony	0.000226	0.006	--	--	0.015	--	0.04	--	0.02	--	--	
Arsenic	0.00511	0.01	--	--	0.011	0.000045	0.5	--	0.5	113.6	--	
Barium	0.00453	2	--	--	7.3	--	0.002	--	0.0006	--	--	
Beryllium	0.0000879	0.004	--	--	0.073	--	0.02	--	0.001	--	--	
Cadmium (Diet)	--	--	--	--	--	--	--	--	--	--	--	

Attachment D - Comparison of Environmental Sampling Results to Screening Concentrations For Location LEIW01

Chemical	Maximum Detected Concentration	USEPA MCL	Irrigation Well 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	0.00902	0.1	--	--	--	--	0.09	--	--	--	--	
Cobalt	0.000168	--	--	--	--	--	--	--	--	--	--	
Copper	0.00401	--	--	--	1.5	--	--	--	--	0.003	--	
Iron	0.135	--	--	--	26	--	--	--	--	0.005	--	
Lead	0.00232	--	--	--	0.02	--	--	--	--	0.1	--	
Manganese (Diet)	--	--	--	--	--	--	--	--	--	--	--	
Manganese (Water)	0.00331	--	--	--	0.88	--	--	--	--	0.004	--	
Mercury	--	0.002	0.00063	--	--	--	--	--	--	--	--	
Nickel	0.0105	--	--	--	0.73	--	--	--	--	0.01	--	
Selenium	0.000784	0.05	--	--	0.18	--	0.02	--	--	0.004	--	
Silver	--	--	--	--	0.18	--	--	--	--	--	--	
Thallium	--	0.002	--	--	0.0024	--	--	--	--	--	--	
Tin	--	--	--	--	22	--	--	--	--	--	--	
Vanadium	0.0132	--	--	--	0.26	--	--	--	--	0.05	--	
Zinc	12.4	--	--	--	11	--	--	--	--	1.1	--	
Microorganisms												
Fecal Coliform	144.5	0	--	--	--	--	> MCL	--	--	--	--	
Fecal Streptococcus	1781	--	--	--	--	--	--	--	--	--	--	
Heterotrophic Plate Count	17500	--	--	--	--	--	--	--	--	--	--	
Total Coliforms (including Fecal Coliform and E. Coli)	200.5	0	--	--	--	--	> MCL	--	--	--	--	
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 LEIW01

Chemical	Maximum Detected Concentration	USEPA MCL	Irrigation Well 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	0.0317	0.03	--	--	0.11	--	1.1	--	--	0.3	--	
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 LEIW01

Chemical	Maximum Detected Concentration	USEPA MCL	Irrigation Well 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	
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	0.027	0.006	--	--	0.73	0.0048	4.5	--	--	0.04	5.6	
Butylbenzylphthalate	0.000145	--	--	--	7.3	--	--	--	--	0.00002	--	
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 LEIW01

Chemical	Maximum Detected Concentration	USEPA MCL	Irrigation Well 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	--	--	--	--	--	--	--	--	--	--	--	
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 LEIW01

Chemical	Maximum Detected Concentration	USEPA MCL	Irrigation Well 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	0.00277	--	64	--	33	--	--	0.00004	--	0.00008	--	
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	--	--	--	--	--	0.73	0.0085	--	--	--	--	
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	0.000148	--	0.2	0.00021	0.37	0.0022	--	0.0007	0.7	0.0004	0.07	
Chloromethane	--	--	0.19	0.0027	--	0.0052	--	--	--	--	--	
Chloroprene	--	--	0.015	--	0.73	--	--	--	--	--	--	
cis-1,2-Dichloroethene	--	0.07	--	--	0.37	--	--	--	--	--	--	
cis-1,3-Dichloropropene	--	--	--	--	--	--	--	--	--	--	--	
Cyclohexane	--	--	13	--	--	--	--	--	--	--	--	
Dibromochloromethane	--	--	--	--	0.73	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 LEIW01

Chemical	Maximum Detected Concentration	USEPA MCL	Irrigation Well 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	0.00111	0.005	0.57	0.00082	0.37	0.00012	0.2	0.002	1.4	0.003	9.3	
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	0.003	2.1	3.3	129.8	
							BACKGROUND RISK	0	0	1.7	113.6	
							INCREMENTAL RISK	0.003	2.1	1.6	16.3	

-- = 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

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.



BROMOFORM AND DIBROMOCHLOROMETHANE

CAS # 75-25-2 and 124-48-1

Division of Toxicology ToxFAQs™

August 2005

This fact sheet answers the most frequently asked health questions (FAQs) about bromoform and dibromochloromethane. For more information, call the ATSDR Information Center at 1-888-422-8737. This fact sheet is one in a series of summaries about hazardous substances and their health effects. It is important you understand this information because these substances may harm you. The effects of exposure to any hazardous substance depend on the dose, the duration, how you are exposed, personal traits and habits, and whether other chemicals are present.

HIGHLIGHTS: Bromoform and dibromochloromethane are formed as by-products when chlorine is added to water supply systems. High levels of bromoform or dibromochloromethane can damage the liver and kidneys and affect the brain. Bromoform has been found in at least 140 of the 1,662 National Priority List sites identified by the Environmental Protection Agency (EPA). Dibromochloromethane has been found in at least 174 NPL sites.

What are bromoform and dibromochloromethane?

Bromoform and dibromochloromethane are colorless to yellow, heavy, nonflammable, liquids with a sweet odor. Small amounts are formed naturally by plants in the ocean. They are somewhat soluble in water and readily evaporate into the air. Most of the bromoform and dibromochloromethane that enters the environment is formed as byproducts when chlorine is added to drinking water to kill bacteria.

Only small quantities of bromoform and dibromochloromethane currently are produced in the United States. These chemicals were used in the past as solvents and flame retardants, or to make other chemicals, but now they are used mainly as laboratory reagents.

What happens to bromoform and dibromochloromethane when they enter the environment?

- When released to air, bromoform and dibromochloromethane are slowly broken down by reactions with other chemicals and sunlight or can be removed by rain.
- In water, these chemicals will evaporate to the air and/or be broken down slowly by bacteria.
- When released to soil, most will evaporate to the air, some will be broken down by bacteria, and some may filter into the groundwater.
- Bromoform and dibromomethane do not build up in the food chain.

How might I be exposed to bromoform and dibromochloromethane?

- The most likely way people are exposed to bromoform and dibromochloromethane is by drinking chlorinated water.
- You may breathe vapors released from chlorinated water in a swimming pool or during showering and bathing.
- Very small amounts of bromoform and dibromochloromethane may enter your body directly through your skin while bathing or swimming.
- People that live near a waste site containing bromoform or dibromochloromethane could be exposed by drinking contaminated groundwater or breathing vapors released to the air.
- Exposure could occur by breathing bromoform and dibromochloromethane in the air in or near a laboratory or factory that makes or uses these chemicals; however, this is unlikely for most people.

How can bromoform and dibromochloromethane affect my health?

Eating or breathing a large amount of bromoform slows down the normal brain activities and causes sleepiness; this tends to go away within a day. Exposure to very high amounts may cause unconsciousness and even death. No studies are available about health effects in people exposed to dibromochloromethane.

Animals exposed to high amounts of bromoform or dibromochloromethane developed liver and kidney injuries. Exposure to low levels of bromoform or

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dibromochloromethane do not appear to seriously affect the brain, liver, or kidneys. We do not know if bromoform or dibromochloromethane affect fertility in humans, but studies in animals suggest that the risk of doing so is low.

How likely are bromoform and dibromochloromethane to cause cancer?

There is no conclusive evidence that bromoform or dibromochloromethane cause cancer in humans because no cancer studies of humans exposed exclusively to these chemicals are available. Studies in animals indicate that long-term intake of either bromoform or dibromochloromethane can cause liver and kidney cancer.

The International Agency for Research on Cancer (IARC) concluded that bromoform and dibromochloromethane are not classifiable as to human carcinogenicity. The EPA classified bromoform as a probable human carcinogen and dibromochloromethane as a possible human carcinogen.

How can bromoform and dibromochloromethane affect children?

The only information regarding effects of bromoform on the health of children is that from the early 1900s when this chemical was used as a sedative to treat children with whooping cough. In some cases of overdosing with extremely high doses, children appeared drowsy, then lifeless, just before dying. We do not know whether children are more susceptible to the effects of bromoform and dibromochloromethane than adults.

How can families reduce the risks of exposure to bromoform and dibromochloromethane?

- ❑ Families can reduce their exposure to bromoform and dibromochloromethane from tap water by installing commercially available filter systems at home.
- ❑ While bromoform is no longer used as a medicine, keeping children away from, or supervising children with, chemicals brought into the home, will reduce the potential for accidental exposures.

- ❑ Families can reduce their exposure by taking shorter baths or showers in water in which these chemicals are present and opening bathroom windows or using ceiling ventilation fans whenever possible.

Is there a medical test to determine whether I've been exposed to bromoform and dibromochloromethane?

Tests are available to measure levels of these chemicals and their breakdown products in samples of your blood, breath, or fat. These tests are not routinely available in a doctor's office because they require special equipment. Because bromoform and dibromochloromethane are eliminated from the body fairly quickly, these tests are only effective in detecting recent exposures (within 1 or 2 days at the most).

Has the federal government made recommendations to protect human health?

The EPA recommends that drinking water contain no more than 0.7 parts per million (0.7 ppm) of bromoform and 0.7 ppm of dibromochloromethane.

The Occupational Safety and Health Administration (OSHA) set a limit of 0.5 ppm for the level of bromoform in workplace air during an 8-hour workday, 40-hour work week. Because dibromochloromethane has such a limited use, OSHA has not set limits of exposure for workplace air.

References

Agency for Toxic Substances and Disease Registry (ATSDR). 2005. Toxicological Profile for Bromoform and Dibromochloromethane (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 chloroform. 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 chloroform can occur when breathing contaminated air or when drinking or touching the substance or water containing it. Breathing chloroform can cause dizziness, fatigue, and headaches. Breathing chloroform or ingesting chloroform over long periods of time may damage your liver and kidneys. It can cause sores if large amounts touch your skin. This substance has been found in at least 717 of the 1,430 National Priorities List sites identified by the Environmental Protection Agency (EPA).

What is chloroform?

(Pronounced klôr'ə-fôrm')

Chloroform is a colorless liquid with a pleasant, nonirritating odor and a slightly sweet taste. It will burn only when it reaches very high temperatures.

In the past, chloroform was used as an inhaled anesthetic during surgery, but it isn't used that way today. Today, chloroform is used to make other chemicals and can also be formed in small amounts when chlorine is added to water.

Other names for chloroform are trichloromethane and methyl trichloride.

What happens to chloroform when it enters the environment?

- Chloroform evaporates easily into the air.
- Most of the chloroform in air breaks down eventually, but it is a slow process.
- The breakdown products in air include phosgene and hydrogen chloride, which are both toxic.
- It doesn't stick to soil very well and can travel through soil to groundwater.

- Chloroform dissolves easily in water and some of it may break down to other chemicals.
- Chloroform lasts a long time in groundwater.
- Chloroform doesn't appear to build up in great amounts in plants and animals.

How might I be exposed to chloroform?

- Drinking water or beverages made using water containing chloroform.
- Breathing indoor or outdoor air containing it, especially in the workplace.
- Eating food that contains it.
- Skin contact with chloroform or water that contains it, such as in swimming pools.

How can chloroform affect my health?

Breathing about 900 parts of chloroform per million parts air (900 ppm) for a short time can cause dizziness, fatigue, and headache. Breathing air, eating food, or drinking water containing high levels of chloroform for long periods of time may damage your liver and kidneys. Large amounts of chloroform can cause sores when chloroform touches your skin.

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It isn't known whether chloroform causes reproductive effects or birth defects in people.

Animal studies have shown that miscarriages occurred in rats and mice that breathed air containing 30 to 300 ppm chloroform during pregnancy and also in rats that ate chloroform during pregnancy. Offspring of rats and mice that breathed chloroform during pregnancy had birth defects. Abnormal sperm were found in mice that breathed air containing 400 ppm chloroform for a few days.

How likely is chloroform to cause cancer?

The Department of Health and Human Services (DHHS) has determined that chloroform may reasonably be anticipated to be a carcinogen.

Rats and mice that ate food or drank water with chloroform developed cancer of the liver and kidneys.

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

Although the amounts of chloroform in the air that you exhale and in blood, urine, and body tissues can be measured, there is no reliable test to determine how much chloroform you have been exposed to or whether you will experience any harmful effects.

The measurement of chloroform in body fluids and tissues may help to determine if you have come into contact with large amounts of chloroform, but these tests are useful for only a short time after you are exposed. Chloroform in your body might also indicate that you have come into contact with other chemicals.

Has the federal government made recommendations to protect human health?

The EPA drinking water limit for total trihalomethanes, a class of chemicals that includes chloroform, is 100 micrograms per liter of water (100 µg/L).

The EPA requires that spills or accidental releases of 10 pounds or more of chloroform into the environment be reported to the EPA.

The Occupational Safety and Health Administration (OSHA) has set the maximum allowable concentration of chloroform in workroom air during an 8-hour workday in a 40-hour workweek at 50 ppm.

Glossary

Carcinogenicity: A substance with the ability to cause cancer.

CAS: Chemical Abstracts Service.

Ingesting: Taking food or drink into your body.

Microgram (µg): One millionth of a gram.

Miscarriage: Pregnancy loss.

ppm: Parts per million.

References

This ToxFAQs information is taken from the 1997 Toxicological Profile for Chloroform (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.



TOX FACTS

TOTAL COLIFORMS/FECAL COLIFORMS

This fact sheet was created from information obtained from the United States Environmental Protection Agency (USEPA) Total Coliform Rule, found at <http://www.epa.gov/safewater/disinfection/tcr/index.html>. This fact sheet answers the most frequently asked health questions (FAQs) about coliforms and fecal coliforms. It is important you understand this information because these substances may harm you. The effects of exposure to any hazardous substance depend on the dose, the duration, how you are exposed, personal traits and habits, and whether other chemicals are present.

Highlights: Total coliforms and fecal coliforms are groups of bacteria used as indicators of possible sewage contamination because they are commonly found in human and animal feces. Although they are generally not harmful themselves, they indicate the possible presence of pathogenic (disease-causing) bacteria, viruses, and protozoans that also live in human and animal digestive systems. Therefore, their presence in well water suggests that pathogenic microorganisms might also be present and that drinking well water might be a health risk. Sources of fecal contamination to well water includes septic systems, domestic and wild animal manure, and storm runoff.

What are total coliforms/fecal coliforms?

Total coliforms and fecal coliforms are a group of closely related bacteria that are usually free-living in the environment, but that are also present in water contaminated with human and animal feces. In general, coliform counts give an overall indication of the sanitary condition of a water supply. Fecal coliforms are bacteria found in feces, and are a subgroup of coliforms. Fecal coliforms normally reside in the intestinal tract of warm-blooded animals. The fecal coliform group includes both pathogen (disease-causing) and nonpathogenic bacteria. The presence of fecal coliforms in drinking water indicates that disease-causing organisms may be present.

Coliform contamination can occur when increased run-off enters the drinking water source (for example, following heavy rains). It can also happen due to a break in the water distribution system (pipes), or failure of a water treatment process.

What happens to coliforms/fecal coliforms when they enter the environment?

- Coliforms are free-living bacteria that are normally found in the environment.
- Coliforms are short-lived in the environment, outside of a warm-blooded host.

How might I be exposed to total coliforms/fecal coliforms?

- Ingesting coliforms in drinking water
- Ingesting fecal contaminated foodstuffs

How can coliforms/fecal coliforms affect my health?

Most coliform bacteria do not cause illness. However, their presence in a water system is a public health concern because of the potential for disease-causing strains of bacteria, viruses, and protozoa to also be present. Symptoms from water-borne illness may include diarrhea, cramps, nausea, headaches, jaundice, or fatigue. Symptoms may appear as early as a few hours to several days after infection and may last more than two weeks.

How can coliforms/fecal coliforms affect children?

Children experience the same health effect as adults following exposure. However, they may experience more severe symptoms due to immature immune systems and due to their increased susceptibility to dehydration.

How can families reduce the risks of exposure to coliforms/fecal coliforms?

- Drinking water should be periodically tested for total coliforms/fecal coliforms.
- If your drinking water has elevated levels of total coliforms or fecal coliforms you should use cleaner sources of water.

Is there a medical test to determine whether I've been exposed to coliforms/fecal coliforms?

Coliforms and fecal coliforms are typically present in the digestive system, however a stool sample may reveal an elevated level of a pathogenic strain, or the presence of a less common strain that may be associated with illness.

Has the federal government made recommendations to protect human health?

The USEPA has set and enforceable standard called a maximum contaminant level (MCL) for coliforms and fecal coliforms of zero colony-forming units (CFUs) per 100 milliliters water. The USEPA believes that any detection of coliforms or fecal coliforms in drinking water could potentially be associated with human illness.

References

- United States Environmental Protection Agency (USEPA). Total Coliform Rule, July 2007.
<http://www.epa.gov/safewater/disinfection/tcr/index.html>
- United States Environmental Protection Agency (USEPA). Monitoring and Assessing Water Quality: Fecal Bacteria.
<http://www.epa.gov/OWOW/monitoring/volunteer/stream/vms511.html>

Where Can I Get More Information?

More information on the adverse effects of fecal coliforms/total coliforms can be obtained from your community or state health or environmental quality department.

This fact sheet answers the most frequently asked health questions (FAQs) about di(2-ethylhexyl) phthalate (DEHP). 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: Di(2-ethylhexyl) phthalate (DEHP) is found in many plastics. Exposure to DEHP is generally very low. Increased exposures may come from intravenous fluids delivered through plastic tubing, and from ingesting contaminated foods or water. DEHP is not toxic at the low levels usually present in the environment. In animals, high levels of DEHP damaged the liver and kidney and affected the ability to reproduce. DEHP has been found in at least 733 of the 1,613 National Priorities List sites identified by the Environmental Protection Agency (EPA).

What is di(2-ethylhexyl) phthalate?

Di(2-ethylhexyl) phthalate (DEHP) is a manufactured chemical that is commonly added to plastics to make them flexible. DEHP is a colorless liquid with almost no odor.

DEHP is present in plastic products such as wall coverings, tablecloths, floor tiles, furniture upholstery, shower curtains, garden hoses, swimming pool liners, rainwear, baby pants, dolls, some toys, shoes, automobile upholstery and tops, packaging film and sheets, sheathing for wire and cable, medical tubing, and blood storage bags.

What happens to DEHP when it enters the environment?

- ❑ DEHP is everywhere in the environment because of its use in plastics, but it does not evaporate easily or dissolve in water easily.
- ❑ DEHP can be released in small amounts to indoor air from plastic materials, coatings, and flooring.
- ❑ It dissolves faster in water if gas, oil, or paint removers are present.
- ❑ It attaches strongly to soil particles.
- ❑ DEHP in soil or water can be broken down by microorganisms into harmless compounds.

- ❑ DEHP does not break down easily when it is deep in the soil or at the bottom of lakes or rivers.
- ❑ It is in plants, fish, and other animals, but animals high on the food chain are able to break down DEHP, so tissue levels are usually low.

How might I be exposed to DEHP?

DEHP is usually present at very low levels in:

- ❑ Medical products packaged in plastic such as blood products.
- ❑ Some foods packaged in plastics, especially fatty foods like milk products, fish or seafood, and oils.
- ❑ Well water near waste sites.
- ❑ Workplace air or indoor air where DEHP is released, but usually not at levels of concern.
- ❑ Fluids from plastic intravenous tubing if used extensively as for kidney dialysis.

How can DEHP affect my health?

At the levels found in the environment, DEHP is not expected to cause harmful health effects in humans. Most of what we know about the health effects of DEHP comes from studies of rats and mice given high amounts of DEHP.

Di(2-ethylhexyl) phthalate (DEHP)

CAS # 117-81-7

ToxFAQs™ Internet address is <http://www.atsdr.cdc.gov/toxfaq.html>

Harmful effects in animals generally occurred only with high amounts of DEHP or with prolonged exposures. Moreover, absorption and breakdown of DEHP in humans is different than in rats or mice, so the effects seen in rats and mice may not occur in humans.

Rats that breathed DEHP in the air showed no serious harmful effects. Their lifespan and ability to reproduce were not affected.

Brief oral exposure to very high levels of DEHP damaged sperm in mice. Although the effect reversed when exposure ceased, sexual maturity was delayed in the animals.

High amounts of DEHP damaged the liver of rats and mice. Whether or not DEHP contributes to human kidney damage is unclear.

Skin contact with products containing DEHP will probably cause no harmful effects because it cannot be taken up easily through the skin.

How likely is DEHP to cause cancer?

The Department of Health and Human Services (DHHS) has determined that DEHP may reasonably be anticipated to be a human carcinogen. The EPA has determined that DEHP is a probable human carcinogen. These determinations were based entirely on liver cancer in rats and mice. The International Agency for Research on Cancer (IARC) has stated that DEHP cannot be classified as to its carcinogenicity to humans.

How can DEHP affect children?

Children can be exposed to DEHP in the same manner as adults. In addition, small children can be exposed by sucking on or skin contact with plastic toys and pacifiers that contain DEHP, but there is no conclusive evidence of adverse health effects after such exposures. Nonetheless, because of concern for children's health, many toy

manufacturers have discontinued use of DEHP in their products. In pregnant rats and mice exposed to high amounts of DEHP, researchers observed birth defects and fetal deaths.

How can families reduce the risk of exposure to DEHP?

- It is almost impossible to completely avoid contact with some DEHP because it is commonly found in plastics.
- Prevent babies and small children from chewing on plastic objects not designed for that purpose.

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

There is a test available that measures a breakdown product of DEHP called mono(2-ethylhexyl) phthalate (MEHP) in your urine or blood. This test can only detect recent exposure because DEHP is rapidly broken down and eliminated from your body. This test is not routinely available at the doctor's office because it requires special equipment.

Has the federal government made recommendations to protect human health?

The EPA limits the amount of DEHP that may be present in drinking water to 6 parts of DEHP per billion parts of water (6 ppb).

The Occupational Safety and Health Administration (OSHA) sets a maximum average of 5 milligrams of DEHP per cubic meter of air (5 mg/m^3) in the workplace during an 8-hour shift. The short-term (15-minute) exposure limit is 10 mg/m^3 .

References

Agency for Toxic Substances and Disease Registry (ATSDR). 2002. Toxicological Profile for Di(2-ethylhexyl) phthalate (Update). Atlanta, GA: U.S. Department of Health and Human Services, Public Health Service.

Where can I get more information? For more information, contact the Agency for Toxic Substances and Disease Registry, Division of Toxicology, 1600 Clifton Road NE, Mailstop F-32, Atlanta, GA 30333. Phone: 1-888-422-8737, FAX: 770-488-4178. ToxFAQs Internet address via WWW is <http://www.atsdr.cdc.gov/toxfaq.html>. ATSDR can tell you where to find occupational and environmental health clinics. Their specialists can recognize, evaluate, and treat illnesses resulting from exposure to hazardous substances. You can also contact your community or state health or environmental quality department if you have any more questions or concerns.



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.



TOX FACTS

NITRATE/NITRITE

CAS # 68797-31-9/7632-00-0

This fact sheet was created from information presented in the Agency for Toxic Substances and Disease Registry (ATSDR) Case Studies in Environmental Medicine Course (ATSDR, 2007). This fact sheet answers the most frequently asked health questions (FAQs) about nitrate and nitrite. 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: The widespread use of nitrate fertilizers has increased the risk of well water contamination in rural areas. Shallow, rural domestic wells are those most likely to be contaminated with nitrates, especially in agricultural areas where nitrogen based fertilizers are in use. Other nitrate sources in well water include seepage from septic sewer systems, or other contaminants. The conversion of nitrates to nitrites in the body significantly enhances nitrates' toxicity. Infants younger than four months are at particular risk of nitrate toxicity from contaminated well water. Parents that use water to make formula for infants should be especially careful.

What are nitrates and nitrites?

Nitrate (NO_3^-) and nitrite (NO_2^-) are naturally occurring inorganic ions that are part of the nitrogen cycle. Microbial action in soil or water decomposes wastes containing organic nitrogen into ammonia, which is then oxidized to nitrite and nitrate.

Because nitrite is easily oxidized to nitrate, nitrate is the compound predominantly found in groundwater and surface water.

Contamination with nitrogen-containing fertilizers (e.g. potassium nitrate and ammonium nitrate), or animal or human organic wastes, can raise the concentration of nitrate in water.

What happens to nitrate/nitrite when it enters the environment?

- Nitrate-containing compounds in the soil are generally soluble and readily migrate with groundwater.
- Microbial action in soil or water decomposes wastes containing organic nitrogen into ammonia, which is then oxidized to nitrite and nitrate.

How might I be exposed to nitrate/nitrite?

- Ingesting nitrate and nitrite in well water used for drinking water
- Infants ingesting formula made with water containing nitrate or nitrite.

- Ingesting contaminated foodstuffs
- Ingesting prepared baby foods and sausage preserved with nitrates and nitrites.
- Ingesting certain medications and breathing volatile nitrite inhalants.

How can nitrate/nitrite affect my health?

Ingesting high levels of nitrate/nitrite can cause methemoglobinemia. Methemoglobinemia is a disorder characterized by the presence of a higher than normal level of methemoglobin in the blood. Methemoglobin is a form of hemoglobin that does not bind oxygen. When its concentration is elevated in red blood cells, anemia and tissue hypoxia can occur.

How likely is nitrate/nitrite to cause cancer?

Nitrate and nitrite have not undergone an evaluation of carcinogenic potential by the U.S. Environmental Protection Agency (USEPA).

How can nitrate/nitrite affect children?

As with adults, ingesting high levels of nitrate/nitrite can cause methemoglobinemia. Infants under the age of four months are at higher risk due to their reduced ability to convert methemoglobin back to hemoglobin. In addition, the high pH of the infant gastrointestinal system favors the growth of bacteria that reduce nitrate to nitrite, which is responsible for creation of methemoglobin.

How can families reduce the risks of exposure to nitrate/nitrite?

- Well water should be periodically tested for nitrate/nitrite.
- If your drinking water has elevated levels of nitrate/nitrite you should use cleaner sources of water.
- If your drinking water has elevated levels of nitrate/nitrite you should not use it to make baby formula.

Is there a medical test to determine whether I've been exposed to nitrate/nitrite?

The most useful diagnostic tests measure the methemoglobin concentration in blood, which is an indicator of nitrate/nitrite toxicity. Tests include both a visual observation of blood, which is chocolate-brown in appearance when there is a high

concentration of methemoglobin, and measurement of the oxygen carrying capacity of blood, which is reduced when a high level of methemoglobin is present.

Has the federal government made recommendations to protect human health?

The USEPA has set and enforceable standard called a maximum contaminant level (MCL) for nitrates at 10 parts per million (ppm), and for nitrites at 1 ppm. The USEPA believes that exposure below this level is not expected to cause health problems.

The Joint Expert Committee on Food Additives (JECFA) of the Food and Agriculture Organization of the United Nations/World Health Organization and the European Commission's Scientific Committee on Food have set an acceptable daily intake (ADI) for nitrate of 0 – 3.7 mg nitrate ion/kg body weight.

References

Agency for Toxic Substances and Disease Registry (ATSDR). 2007. Case Studies in Environmental Medicine: Nitrate/Nitrite Toxicity. Course WB 1107, September 24, 2007. U.S. Department of Public Health and Human Services, Public Health Service.

Where Can I Get More Information?

can be found from CDC- INFO:

800-CDC-INFO
800-232-4636
TTY 888-232-6348
24 Hours/Day
E-mail: cdcinfo@cdc.gov

More information on the adverse effects of nitrate/nitrite

You can also contact your community or state health or environmental quality department if you have any questions or concerns.

Agency for Toxic Substances and Disease Registry ToxFAQs

September 1999

This fact sheet answers the most frequently asked health questions (FAQs) about uranium. 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: Uranium is a naturally occurring chemical substance that is mildly radioactive. Everyone is exposed to low amounts of uranium through food, air, and water. Exposure to high levels of uranium can cause kidney disease. It is not known to cause cancer, but can decay into other radioactive materials that may. Uranium above background levels has been found in at least 54 of the 1,517 National Priorities List sites identified by the Environmental Protection Agency (EPA).

What is uranium?

(Pronounced yōo-rā'nē-əm)

Uranium is a common naturally occurring and radioactive substance. It is a normal part of rocks, soil, air, and water, and it occurs in nature in the form of minerals - but never as a metal. Uranium metal is silver-colored with a gray surface and is nearly as strong as steel. Natural uranium is a mixture of three types or isotopes called U-234 (^{234}U), U-235 (^{235}U), and U-238 (^{238}U). All three are the same chemical, but they have different radioactive properties.

Typical concentrations in soil are a few parts per million (ppm). Some rocks contain high enough mineral concentrations of uranium to be mined. The rocks are taken to a chemical plant where the uranium is taken out and made into uranium chemicals or metal. The remaining sand is called mill tailings. Tailings are rich in the chemicals and radioactive materials that were not removed, such as radium and thorium.

One of the radioactive properties of uranium is half-life, or the time it takes for half of the isotope to give off its radiation and change into another substance. The half-lives are very long (around 200,000 years for ^{234}U , 700 million years for ^{235}U , and 5 billion years for ^{238}U). This is why uranium still exists in nature and has not all decayed away.

The isotope ^{235}U is useful as a fuel in power plants and weapons. To make fuel, natural uranium is separated into two portions. The fuel portion has more ^{235}U than normal and is called enriched uranium. The leftover portion with less ^{235}U than normal is called depleted uranium, or DU. Natural, de-

pleted, and enriched uranium are chemically identical. DU is the least radioactive and enriched uranium is the most.

What happens to uranium when it enters the environment?

- Uranium is already naturally present throughout the environment. Human activities, wind, streams, and volcanoes can move the uranium around and change the levels that you are exposed to.
- Uranium is found in soil where it may stay for billions of years.
- It exists as dust in the air and the dust settles onto surface water, soil, and plants.
- Uranium enters water by dissolving soil, eroding soil and rocks, or in releases from processing plants. Larger particles settle into the bottom of lakes, rivers, and ponds and join uranium that is there naturally.
- Some plants may absorb uranium or it may stick to the root surface.

How might I be exposed to uranium?

- Breathing air or drinking water in a place that has higher than background levels of uranium.
- Eating food grown in areas with higher than background levels of uranium.
- Working in factories that process uranium or with phosphate fertilizers, or living near any type of mine.
- Living near a coal-fired power plant.

How can uranium affect my health?

All uranium mixtures (natural, depleted, and enriched) have the same chemical effect on your body. Large amounts of uranium can react with the tissues in your body and damage

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your kidneys. The radiation damage from exposure to high levels of natural or depleted uranium are not known to cause cancer (see next section).

How likely is uranium to cause cancer?

Humans and animals exposed to high levels of uranium did not have higher cancer rates. The Committee on the Biological Effects of Ionizing Radiation (BEIR IV) reported that eating food or drinking water that has normal amounts of uranium will most likely not cause cancer.

Uranium can decay into other radioactive substances, such as radium, which can cause cancer if you are exposed to enough of them for a long enough period of time. Studies have reported lung and other cancers in uranium miners; however, the miners also smoked and were exposed to other substances that cause cancer, such as radon and silica dust.

How can uranium affect children?

Like adults, children are exposed to small amounts of uranium in air, food, and drinking water. If children were exposed to very large amounts of uranium, it is possible that they might have kidney damage like that seen in adults. We do not know whether children differ from adults in their susceptibility to the health effects of uranium exposure.

It is not known if exposure to uranium can affect the developing human fetus. In laboratory animals, high doses of uranium in drinking water resulted in birth defects and an increase in fetal deaths. Measurements of uranium have not been made in pregnant women, so we do not know if uranium can cross the placenta and enter the fetus. In an experiment with pregnant animals, only a small amount of the injected uranium reached the fetus.

How can families reduce the risk of exposure to uranium?

If your doctor finds that you have been exposed to significant amounts of uranium, ask whether your children might also be exposed. Your doctor might need to ask your state health department to investigate.

It is possible that higher-than-normal levels of uranium may be in the soil at a hazardous waste site. If you live near such a hazardous waste site, you should prevent your children from eating dirt and make sure that they wash their hands frequently and before eating. You should also wash fruits and vegetables grown in that soil well, and consider discarding the outside portion of root vegetables.

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

Uranium is in your normal diet, so there will always be some level of uranium in all parts of your body. Uranium is normally measured in a sample of urine collected and sent to a laboratory. Blood, feces, and tissue samples are rarely used. Because most uranium leaves the body within a few days, higher than normal amounts in your urine shows whether you have been exposed to larger-than-normal amounts within the last week or so. Some highly sensitive radiation methods can measure uranium levels for a long time after you take in a large amount. Also, some radiation equipment can tell if uranium is on your skin.

Has the federal government made recommendations to protect human health?

The EPA requires that spills or accidental releases of uranium waste into the environment containing 0.1 curies or more of radioactivity must be reported to the EPA.

The EPA is currently working to develop an appropriate drinking water limit for uranium based on a broad range of human and animal health studies.

The Occupational Safety and Health Administration has set occupational exposure limits for uranium in breathing air over an 8-hour workday, 40-hour workweek. The limits are 0.05 milligrams per cubic meter (0.05 mg/m^3) for soluble uranium dust and 0.25 mg/m^3 for insoluble uranium dust.

References

Agency for Toxic Substances and Disease Registry. 1999. Toxicological profile for uranium. Atlanta, GA: U.S. Department of Health and Human Services, Public Health Service.

Where can I get more information? For more information, contact the Agency for Toxic Substances and Disease Registry, Division of Toxicology, 1600 Clifton Road NE, Mailstop F-32, Atlanta, GA 30333. Phone: 1-888-422-8737, FAX: 770-488-4178. ToxFAQs Internet address via WWW is <http://www.atsdr.cdc.gov/toxfaq.html> ATSDR can tell you where to find occupational and environmental health clinics. Their specialists can recognize, evaluate, and treat illnesses resulting from exposure to hazardous substances. You can also contact your community or state health or environmental quality department if you have any more questions or concerns.



This fact sheet answers the most frequently asked health questions (FAQs) about zinc. 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: Zinc is a naturally occurring element. Exposure to high levels of zinc occurs mostly from eating food, drinking water, or breathing workplace air that is contaminated. Low levels of zinc are essential for maintaining good health. Exposure to large amounts of zinc can be harmful. It can cause stomach cramps, anemia, and changes in cholesterol levels. Zinc has been found in at least 985 of the 1,662 National Priority List sites identified by the Environmental Protection Agency (EPA).

What is zinc?

Zinc is one of the most common elements in the earth's crust. It is found in air, soil, and water, and is present in all foods. Pure zinc is a bluish-white shiny metal.

Zinc has many commercial uses as coatings to prevent rust, in dry cell batteries, and mixed with other metals to make alloys like brass, and bronze. A zinc and copper alloy is used to make pennies in the United States.

Zinc combines with other elements to form zinc compounds. Common zinc compounds found at hazardous waste sites include zinc chloride, zinc oxide, zinc sulfate, and zinc sulfide. Zinc compounds are widely used in industry to make paint, rubber, dyes, wood preservatives, and ointments.

What happens to zinc when it enters the environment?

- Some is released into the environment by natural processes, but most comes from human activities like mining, steel production, coal burning, and burning of waste.
- It attaches to soil, sediments, and dust particles in the air.
- Rain and snow remove zinc dust particles from the air.
- Depending on the type of soil, some zinc compounds can move into the groundwater and into lakes, streams, and rivers.
- Most of the zinc in soil stays bound to soil particles and

does not dissolve in water.

- It builds up in fish and other organisms, but it does not build up in plants.

How might I be exposed to zinc?

- Ingesting small amounts present in your food and water.
- Drinking contaminated water or a beverage that has been stored in metal containers or flows through pipes that have been coated with zinc to resist rust.
- Eating too many dietary supplements that contain zinc.
- Working on any of the following jobs: construction, painting, automobile mechanics, mining, smelting, and welding; manufacture of brass, bronze, or other zinc-containing alloys; manufacture of galvanized metals; and manufacture of machine parts, rubber, paint, linoleum, oilcloths, batteries, some kind of glass, ceramics, and dyes.

How can zinc affect my health?

Zinc is an essential element in our diet. Too little zinc can cause problems, but too much zinc is also harmful.

Harmful effects generally begin at levels 10-15 times higher than the amount needed for good health. Large doses taken by mouth even for a short time can cause stomach cramps, nausea, and vomiting. Taken longer, it can cause anemia and decrease the levels of your good cholesterol. We do not know if high levels of zinc affect reproduction in humans. Rats that were fed large amounts of zinc became infertile.

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Inhaling large amounts of zinc (as dusts or fumes) can cause a specific short-term disease called metal fume fever. We do not know the long-term effects of breathing high levels of zinc.

Putting low levels of zinc acetate and zinc chloride on the skin of rabbits, guinea pigs, and mice caused skin irritation. Skin irritation will probably occur in people.

How likely is zinc to cause cancer?

The Department of Health and Human Services (DHHS) and the International Agency for Research on Cancer (IARC) have not classified zinc for carcinogenicity. Based on incomplete information from human and animal studies, the EPA has determined that zinc is not classifiable as to its human carcinogenicity.

How can zinc affect children?

Zinc is essential for proper growth and development of young children. It is likely that children exposed to very high levels of zinc will have similar effects as adults. We do not know whether children are more susceptible to the effects of excessive intake of zinc than the adults.

We do not know if excess zinc can cause developmental effects in humans. Animal studies have found decreased weight in the offspring of animals that ingested very high amounts of zinc.

How can families reduce the risks of exposure to zinc?

- Children living near waste sites that contain zinc may be exposed to higher levels of zinc through breathing contaminated air, drinking contaminated drinking water, touching or eating contaminated soil.
- Discourage your children from eating soil or putting their hands in their mouths and teach them to wash their hands frequently and before eating.
- If you use medicines or vitamin supplements containing

zinc, make sure you use them appropriately and keep them out of the reach of children.

Is there a medical test to determine whether I've been exposed to zinc?

There are tests available to measure zinc in your blood, urine, hair, saliva, and feces. These tests are not usually done in the doctor's office because they require special equipment. High levels of zinc in the feces can mean high recent zinc exposure. High levels of zinc in the blood can mean high zinc consumption and/or high exposure. Tests to measure zinc in hair may provide information on long-term zinc exposure; however, the relationship between levels in your hair and the amount of zinc you were exposed to is not clear.

Has the federal government made recommendations to protect human health?

The EPA recommends that drinking water should contain no more than 5 milligrams per liter of water (5 mg/L) because of taste. The EPA requires that any release of 1,000 pounds (or in some cases 5,000 pounds) into the environment be reported to the agency.

To protect workers, the Occupational Safety and Health Administration (OSHA) has set an average limit of 1 mg/m³ for zinc chloride fumes and 5 mg/m³ for zinc oxide (dusts and fumes) in workplace air during an 8-hour workday, 40-hour workweek.

Similarly, the National Institute for Occupational Safety and Health (NIOSH) has set the same standards for up to a 10-hour workday over a 40-hour workweek.

References

Agency for Toxic Substances and Disease Registry (ATSDR). 2005. Toxicological Profile for Zinc (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.

