

**Table 3. Nonradiological Environmental Surveillance Practical Quantitation Limits (PQLs)**

Parameter/Laboratory	2013 PQL	Units
<b>SRNS Environmental Monitoring Field Laboratory</b>		
pH	as recorded	su
Total Residual Chlorine	0.05	mg/l
<b>SRNS Environmental Bioassay Laboratory</b>		
Total Suspended Solids (TSS)	1	mg/l
Aluminum (Al)	0.05	mg/l
Arsenic (As)	0.005	mg/l
Barium (Ba)	0.05	mg/l
Beryllium (Be)	0.001	mg/l
Cadmium (Cd)	0.0001	mg/l
Chromium (Cr)	0.005	mg/l
Copper (Cu)	0.005	mg/l
Iron (Fe)	0.004	mg/l
Lead (Pb)	0.002	mg/l
Manganese (Mn)	0.01	mg/l
Mercury (Hg), Total	0.02	ug/L
Nickel (Ni)	0.01	mg/l
Selenium (Se)	0.005	mg/l
Silver (Ag)	0.005	mg/l
Zinc (Zn)	0.01	mg/l
<b>SRNS Central Sanitary Wastewater Treatment Facility Laboratory</b>		
Biological Oxygen Demand (BOD)	2.0	mg/l
Total Suspended Solids (TSS)	1.0	mg/l
pH	as recorded	su
Fecal Coliform	2	col/100 ml
<b>Shealy Environmental Services, Inc</b>		
<b>Inorganic Nonmetals (aqueous)</b>		
Ammonia-N	0.10	mg/l
Biological Oxygen Demand (BOD)	2.0	mg/l
Chemical Oxygen Demand (COD)	10	mg/l
Cyanide (Cn)	0.010	mg/l
Hardness	10	mg/l
Nitrate (NO <sub>3</sub> )	0.020	mg/l
Nitrite (NO <sub>2</sub> )	0.020	mg/l
Nitrate-Nitrite-N	0.020	mg/l
Phenol	0.0050	mg/l
Sulfate	1.0	mg/l
Total Dissolved Solids (TDS)	10.0	mg/l
Total Suspended Solids (TSS)	1.0	mg/l
Total Kjeldahl Nitrogen (TKN)	0.50	mg/l
Phosphorus	0.010	mg/l

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<b>Parameter/Laboratory</b>	<b>2013 PQL</b>	<b>Units</b>
Total Organic Carbon (TOC)	1.0	mg/l
Oil & Grease	4.00 <sup>a</sup>	mg/l
% Solids	N/A	%
<b>Metals (aqueous &amp; solid)</b>		
Aluminum (Al)	0.05	mg/l
Arsenic (As)	0.005	mg/l
Arsenic (As)	10	mg/kg (solid)
Barium (Ba)	0.05	mg/l
Boron (B)	0.05	mg/l
Cadmium (Cd)	0.10	µg/l
Cadmium (Cd)	0.1	mg/kg (solid)
Chromium (Cr)	5.0	µg/l
Chromium (Cr)	0.25	mg/kg (solid)
Copper (Cu)	5.0	µg/l
Copper (Cu)	0.25	mg/kg (solid)
Iron (Fe)	0.02	mg/l
Lead (Pb)	2.0	µg/l
Lead (Pb)	0.5	mg/kg (solid)
Manganese (Mn)	0.01	mg/l
Mercury (Hg), Total	0.00010	mg/l
Mercury (Hg), Low Level	0.5	ng/l
Mercury (Hg)	0.083	mg/kg (solid)
Molybdenum (Mo)	2.00	mg/kg (solid)
Nickel (Ni)	10	µg/l
Nickel (Ni)	2.00	mg/kg (solid)
Potassium (K)	250.00	mg/kg (solid)
Selenium (Se)	0.005	mg/l
Selenium (Se)	0.5	mg/kg (solid)
Silver (Ag)	5.0	µg/l
Silver (Ag)	0.25	mg/kg (solid)
Sodium (Na)	0.20	mg/l
Uranium (U)	0.05	mg/l
Zinc (Zn)	5.0	µg/l
Zinc (Zn)	2.5	mg/kg (solid)
<b>Pesticides &amp; PCBs (aqueous)</b>		
Aldrin	0.025	µg/l
Alpha-BHC	0.025	µg/l
Aroclor 1016	0.25	µg/l
Aroclor 1221	0.25	µg/l
Aroclor 1232	0.25	µg/l
Aroclor 1242	0.25	µg/l
Aroclor 1248	0.25	µg/l
Aroclor 1254	0.25	µg/l
Aroclor 1260	0.25	µg/l
Beta-BHC	0.025	µg/l
Delta-BHC	0.025	µg/l

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<b>Parameter/Laboratory</b>	<b>2013 PQL</b>	<b>Units</b>
Gamma-BHC	0.025	µg/l
Chlordane	0.05	µg/l
4,4'-DDD	0.25	µg/l
4,4'-DDE	0.025	µg/l
4,4'-DDT	0.025	µg/l
Dieldrin	0.025	µg/l
Endosulfan I	0.025	µg/l
Endosulfan II	0.025	µg/l
Endosulfan sulfate	0.025	µg/l
Endrin	0.025	µg/l
Endrin aldehyde	0.025	µg/l
Heptachlor	0.025	µg/l
Heptachlor epoxide	0.025	µg/l
Toxaphene	0.025	µg/l
<b>Volatile Organic Compounds (aqueous)</b>		
Benzene	0.005	mg/l
Tetrachloroethylene/Tetrachloroethane	2.0	µg/l
Trichloroethylene/Trichloroethane	2.0	µg/l
Ethylene Glycol	50	mg/l
<b>Herbicides (aqueous)</b>		
2,4-D	2.0 <sup>a</sup>	µg/l
2,4,5-TP (Silvex)	0.5 <sup>a</sup>	µg/l
<sup>a</sup> The PQL will vary slightly depending on the dilution factor.		