

Refinery Phenol Treatability Study

Sample Identification:

Pretreat = Sample data prior to VTX treatment. All treated water from same source.

1A and 1B = 1/2 gallon of VTX and one gallon of 35% hydrogen peroxide into tank 1 (500 gallons of water to treat). Three hours of treatment.

2A and 2B = one gallon of VTX and one gallon of 35% hydrogen peroxide into tank 2 (500 gallons of water to treat). Three hours of treatment.

Tank 612 Results

8/17/2002

<u>Sample</u>	<u>TOC</u> <u>(ppm)</u>	<u>Phenol</u> <u>(ppm)</u>	<u>Oil & Grease</u> <u>(ppm)</u>	<u>Sulfides</u> <u>(ppm)</u>
Pretreat	202	13.2	207	0.88
1A	214	n/a	n/a	n/a
2A	208	n/a	n/a	n/a
1B	252	1.015	5.4	0.025
2B	186	0.01	6.5	0.03