

**WASTEWATER PARAMETERS**

<b>METALS</b>			
<b>ANALYTE</b>	<b>METHOD</b>	<b>TECHNIQUE</b>	<b>ROUTINE REPORTING LIMIT</b>
ALUMINUM	EPA 200.7	ICP	100 µg/l
ANTIMONY	EPA 200.7	ICP	10 µg/l
ARSENIC	EPA 200.7	ICP	8 µg/l
BARIUM	EPA 200.7	ICP	10 µg/l
BORON	EPA 200.7	ICP	10 µg/l
BERYLLIUM	EPA 200.7	ICP	4 µg/l
CADMIUM	EPA 200.7	ICP	4 µg/l
CALCIUM	EPA 200.7	ICP	50 µg/l
CALCIUM	SM 3500-Ca D	TITRIMETRIC (EDTA)	2.50 mg/l
CHROMIUM	EPA 200.7	ICP	4 µg/l
COBALT	EPA 200.7	ICP	4 µg/l
COPPER	EPA 200.7	ICP	5 µg/l
IRON	EPA 200.7	ICP	30 µg/l
LEAD	EPA 200.7	ICP	10 µg/l
MAGNESIUM	EPA 200.7	ICP	50 µg/l
MANGANESE	EPA 200.7	ICP	4 µg/l
MERCURY	EPA 245.1	MANUAL COLD VAPOR	0.2 µg/l
MOLYBDENUM	EPA 200.7	ICP	5 µg/l
NICKEL	EPA 200.7	ICP	5 µg/l
SELENIUM	EPA 200.7	ICP	10 µg/l
SILVER	EPA 200.7	ICP	2 µg/l
THALLIUM	EPA 200.7	ICP	10 µg/l
TIN	EPA 200.7	ICP	20 µg/l
VANADIUM	EPA 200.7	ICP	4 µg/l
ZINC	EPA 200.7	ICP	30 µg/l
THALLIUM	EPA 279.2	GFAA, PLATFORM	2 µg/l
COPPER	SM 3111B	FLAME AA	0.1 mg/l
IRON	SM 3111B	FLAME AA	0.1 mg/l
MANGANESE	SM 3111B	FLAME AA	0.05 mg/l
POTASIUM	SM 3111B	FLAME AA	0.1 mg/l
SODIUM	SM 3111B	FLAME AA	0.1 mg/l
LEAD	SM 3111B	FLAME AA	1.0 mg/l
NICKEL	SM 3111B	FLAME AA	1.0 mg/l
SILVER	SM 3111B	FLAME AA	1.0 mg/l
ZINC	SM 3111B	FLAME AA	0.1 mg/l
MAGNESIUM	SM 3111B	FLAME AA	0.1 mg/l
CALCIUM	SM 3111B	FLAME AA	0.1 mg/l
ARSENIC	SM 3113B	GFAA, PLATFORM	2 µg/l
LEAD	SM 3113B	GFAA, PLATFORM	1 µg/l
SELENIUM	SM 3113B	GFAA, PLATFORM	2 µg/l
CHROMIUM	SM 3113B	GFAA, PLATFORM	2 µg/l
<b>GENERAL CHEMISTRY</b>			
<b>ANALYTE</b>	<b>METHOD</b>	<b>TECHNIQUE</b>	<b>ROUTINE REPORTING LIMIT</b>
ALKALINITY	SM 2320 B	TITRIMETRIC	1 mg/l
AMMONIA,NITROGEN	SM 4500-NH <sub>3</sub> D	POTENTIOMETRIC	0.05 mg/l
BIOCHEMICAL OXYGEN DEMAND,5	SM 5210 B	5 DAY DO DEPLETION	2 mg/l
CARBONACEOUS BOD	SM 5210 B	DO DEPLETION NITRIF. INHIBITION	2 mg/l
CALCIUM HARDNESS	SM 3500-Ca D	TITRIMETRIC (EDTA)	1 mg/l
TOTAL HARDNESS	SM 2340 C	TITRIMETRIC (EDTA)	1 mg/l
CARBON DIOXIDE	SM 406 16th Ed.	TITRIMETRIC	1 mg/l
CHEMICAL OXYGEN DEMAND	HACH 8000	HACH REACTOR DIGESTION	10 mg/l
CHLORIDE	SM 4500-Cl B	ARGENTOMETRIC	1 mg/l
CHLORINE TOTAL RES.	SM 4500-Cl G	DPD COLORIMETRIC	1 mg/l
CHLORINE,FIELD	SM4500CLG	DPD COLORIMETRIC	1 mg/l
CONDUCTIVITY	SM 2510 B	SPECIFIC CONDUCTANCE	N.A.
COLOR	SM 2120 B	COLORIMETRIC Pt-Co	5 CU
CHROMIUM, HEXAVALENT	SM 3500-Cr B	COLORIMETRIC DPC	0.01 mg/l
CYANIDE	SM 4500-CN E	SPECTROPHOTOMETRIC, MANUAL	0.002 mg/l
CYANIDE, AMENABLE	SM 4500-CN G	SPECTROPHOTOMETRIC, MANUAL	0.002 mg/l
FLUORIDE	SM 4500-F C	ELECTRODE, MANUAL	0.05 mg/l
SURFACTANTS	SM 5540 C	COLORIMETRIC, METHYLENE BLUE	0.06 mg/l
KJELDAHL, NITROGEN	EPA 351.2	FLOW INJECTION ANAY/BLOCK DIGESTOR METHOD	0.50 mg/l
NITRATE, NITROGEN	EPA 352.1	COLORIMETRIC, BRUCINE	0.20 mg/l
NITRITE, NITROGEN	SM 4500-NO <sub>2</sub> B	SPECTROPHOTOMETRIC, MANUAL	0.005 mg/l
NITRITE, NITROGEN	EPA 353.2	AUTOMATED COLORIMETRY	0.20 mg/l
OIL & GREASE (HEM)	EPA 1664A	GRAVIMETRIC HEXANE	1 mg/l

OIL & GREASE (HEM)	EPA 1664 SPE	Soil Phase Extraction/Gravimetric	1 mg/l
ODOR	SM 2150 B	CONSISTENT SERIES	None
ORTHOPHOSPHATE	SM 4500-P E	ASCORBIC ACID, MANUAL SINGLE REAGENT	0.01 mg/l
PETROLEUM HYDROCARBONS (SGT-HEM)	EPA 1664A	GRAVIMETRIC SILICA GEL TREATED-HEM	1 mg/l
PETROLEUM HYDROCARBONS (SGT-HEM)	EPA 1664A	Soil Phase Extraction/Gravimetric	1 mg/l
pH	SM4500H+B	ELECTROMETRIC	N.A.
PHENOLICS, TOTAL RECOVERABLE	EPA 420.1	MANUAL DISTILL, COLORIMETRIC 4AAP	0.001 mg/l
TOTAL PHOPSHORUS, ALL FORMS	SM 4500-P E	ASCORBIC ACID, MANUAL SINGLE REAGENT	0.01 mg/l
TOTAL PHOPSHORUS, FLOW INJECTION	EPA 365.1.0	ACID PERSULFATE DIEGESTION METHOD, LACHAT	0.10 mg/l
SILICA, DISSOLVED	SM 4500-Si D	COLORIMETRIC, MANUAL	0.1 mg/l
SULFATE	ASTM 516-02	ION METHOD	5 mg/l
SULFIDE	SM 4500-S <sup>2-</sup> F	TITRIMETRIC, IODINE	0.1 mg/l
TDS	SM 2540 C	GRAVIMETRIC	1 mg/l
TOTAL ORGANIC CARBON	SM 5310 C	PERSULFATE UV OXIDATION	0.06 mg/l
TSS	SM 2540 D	GRAVIMETRIC	1 mg/l
TURBIDITY	SM 2130 B	NEPHELOMETRIC	0.05 NTU
TEMPERATURE	SM 2550 B	THERMOMETRIC	N.A.

**ORGANICS**

ANALYTE	METHOD	TECHNIQUE	ROUTINE REPORTING LIMIT
ORGANO CHLORO PESTICIDES	EPA 608	EXTRACTION, GC-ECD	0.10 µg/l
POLYCHLORINATED BIPHENYLS	EPA 608	EXTRACTION, GC-ECD	0.04 µg/l
VOLATILE ORGANICS	EPA 624	PURGE & TRAP, GC/MS (routine parameters)	2.0 µg/l
SEMIVOLATILE ORGANICS BASE NEUTRALS	EPA 625	EXTRACTION, GC/MS (routine parameters)	2.0 µg/l
SEMIVOLATILE ORGANICS BASE NEUTRALS	EPA 625	EXTRACTION, GC/MS (BENZIDINES)	25.0 µg/l
SEMIVOLATILE ORGANICS ACID EXTRACTABLES	EPA 626	EXTRACTION, GC/MS (routine parameters)	10.0 µg/l

DETECTION LIMITS SUBJECT TO CHANGE DUE TO DILUTIONS