

Eastex Environmental Lab Capabilities

Parameter	Units	Matrix	Method	MDL
Acidity	mg/L	water	SM 2310 B (4a)	-
Alkalinity, Phenolphthalein	mg/L	dw / water	SM 2320 B	-
Alkalinity, Total	mg/L	dw / water	SM 2320 B	20.0
Aluminum	mg/kg	waste/soil	SW 846-7020	DL
Aluminum	mg/L	dw / water	SM 3111 D	0.100
Aluminum, low level	ug/L	dw / water	SM 3113 B	10.0
Ammonia-N, distilled	mg/L	water	EPA 350.2	1.0
Ammonia-N, total	mg/L	water	SM 4500 D	0.1
Ammonia	%	waste/soil	EPA 350.3	1.0
Antimony	ug/L	dw / water	SM 3113 B	10.0
Antimony	mg/kg	waste/soil	SW 846-7041	DL
Arsenic	ug/L	dw / water	SM 3113 B	5.0
Arsenic	mg/kg	waste/soil	SW 846-7060	DL
Barium	mg/kg	waste/soil	SW 846-7080	DL
Barium	mg/L	dw / water	SM 3111 D	0.100
Barium, low level	ug/L	dw / water	SM 3113 B	10.0
Beryllium	mg/kg	waste/soil	SW 846-7090	DL
Beryllium, low level	ug/L	dw / water	SM 3113 B	10.000
Beryllium	mg/L	dw / water	SM 3111 D	0.010
BOD	mg/L	water	SM 5210 B	2.00
Cadmium	mg/kg	waste/soil	SW 846-7130	DL
Cadmium	mg/L	dw / water	SM 3111 B	0.005
Cadmium low level	ug/L	dw / water	SM 3113 B	1.00
Calcium	mg/L	dw / water	SM 3111 B	0.5
CBOD	mg/L	water	SM 5210 B	2.0
Chloride	mg/L	dw / water	SM 4500 CL C	5.0
Chlorine	mg/L	dw / water	SM 4500 CI F	0.1

Chlorophyll-a, spec.	ug/L	water	EPA 446.0	3.0
Chromium	mg/kg	waste/soil	SW 846-7190	DL
Chromium	mg/L	dw / water	SM 3111 D	0.02
Chromium low level	ug/L	dw / water	SM 3113 B	4.000
Chromium, hexavalent	ug/L	dw / water	SM 3500 Cr-B	10.00
CO ₂ - free	mg CO ₂ /L	dw / water	SM 4500-CO2D	0.01
COD	mg/L	water	EPA 410.4	-
Coliform, Total	MPN/100ml	dw / water	SM 9223 B / Colitag	1.0
Coliform, Total - Readyult	P / A	water	FR V.67, No 209	1
Color	PCU	dw / water	SM 2120 B	10
Conductivity	umho/cm	dw / water	SM 2510B	10.0
Copper	mg/kg	waste/soil	SW 846-7210	DL
Copper	mg/L	dw / water	SM 3111 B	0.0
Copper low level	ug/L	dw / water	SM 3113 B	5
Dissolved Oxygen	mg/L	water	SM 4500 O G	0.1
DOC	mg/L	dw / water	SM 5310C	1.0
E.coli. -Colilert	MPN/100ml	dw / water	SM 9223 B	1
Enterococcus - IDEXX	MPN/100ml	water	ASTM D-6503	1
Fecal Coliform, MF	org/100ml	water	SM 9222 D	1
Fluoride	mg/L	dw / water	SM 4500 F D	0.5
Hardness Ca, CaCO ₄	mg/L	dw / water	EPA 215.2	5.0
Hardness total, CaCO ₃	mg/L	dw / water	SM 2340 C	5.0
Iron	mg/L	dw / water	SM 3111 B	0.050
Lead	mg/kg	waste/soil	SW 846-7420	DL
Lead	mg/L	dw / water	SM 3111 B	0.100
Lead low level	ug/L	dw / water	SM 3113 B	5.00
Magnesium	mg/L	dw / water	SM 3111 B	0.50
Magnesium	mg/kg	waste/soil	SW 846-7450	DL
Manganese	mg/kg	waste/soil	SW846-7460	DL

Manganese	mg/L	dw / water	SM 3111 B	0.010
Mercury	mg/kg	waste/soil	SW 846-7471	DL
Mercury	ug/L	dw / water	EPA 245.1	0.200
MLSS	mg/L	water/waste	EPA 160.2	1.0
MLVSS	mg/L	water/waste	EPA 160.4	1.0
Molybdenum	mg/kg	waste/soil	SW 846-7480	DL
Molybdenum	mg/L	dw / water	SM 3111 D	0.030
Molybdenum low level	ug/L	dw / water	SM 3113 B	3.00
Nickel	mg/kg	waste/soil	SW 846-7520	DL
Nickel	mg/L	dw / water	SM 3111 B	0.030
Nickel low level	ug/L	dw / water	SM 3113 B	10.0
Nitrate low level	mg/L	dw / water	SM 4500 E	0.02
Nitrate + Nitrite-N, total	mg/L	dw / water	SM 4500 E	0.04
Nitrate-N	%	waste/soil	SM 4500 D	0.1
Nitrate-N	mg/L	dw / water	SM 4500 D	0.1
Nitrite	mg/L	dw / water	SM 4500 NO2 B	0.02
Odor	TON	dw / water	SM 2150 B	1
Oil & Grease	mg/L	water	EPA 1664A	5.0
O-phosphate	mg/L	dw / water	SM 4500 P E	0.04
Paint Filter	-	waste	SW 846-9095	-
Pathogen	#col/gram	waste	SM 9222 D	1000
Percent Solids	mg/L	waste	EPA 160.3	0.1
pH	pH units	dw / water	SM 4500 H B	-
Phenols	mg/L	dw / water	EPA 420.1	0.1
Phenols low level	mg/L	dw / water	EPA 420.1	0.01
Potassium	mg/kg	waste/soil	SW 846-7610	DL
Potassium	mg/L	dw / water	SM 3111 B	0.50
Salinity	-	dw / water	SM 2520 B	0.1
Selenium	mg/kg	waste/soil	SW 846-7740	DL
Selenium	ug/L	dw / water	SM 3113 B	5.00

Selenium	mg/L	waste	SW 846-1311	DL
Settable Solids	%	waste	SM 2540 F	0.1
Silver	mg/kg	waste/soil	SW 846-7760	DL
Silver	mg/L	dw / water	SM 3111 B	0.010
Silver low level	ug/L	dw / water	SM 3113 B	0.20
Sodium	mg/L	dw / water	SM 3111 B	0.50
Sulfate	mg/L	dw / water	ASTM 516-90	5.0
SUVA	L/mg-m	dw / water	---	NA
TDS dried @ 180 C	mg/L	dw / water	SM 2540 C	10.0
Thallium	ug/L	dw / water	EPA 279.2	10.0
Thallium	mg/kg	waste/soil	SW 846-7841	DL
TKN	mg/L	water	SM 4500 C	1.0
TKN	mg/L	waste/soil	SM 4500 C	DL
TOC	mg/L	dw / water	SM 5310C	1.0
Total phosphate-P	mg/L	dw / water	SM 4500 P B.5 E	0.06
Total phosphate-P	%	waste/soil	SM 4500 P E	0.06
Total Solids	mg/L	dw / water	SM 2540 B	10.0
Total Volatile Solids	mg/L	dw / water	EPA 160.4	10.0
TSS	mg/L	dw / water	SM 2540 D	1.0
TVSS	mg/L	dw / water	EPA 160.4	1.0
UV 254	cm ⁻¹	dw / water	SM 5910 B	0.005
Vector	mg O/hr/g	waste	TAC 312.83(b)(4)	NA
Volatile Percent Solid	%	waste/soil	EPA 160.4	0.1
Zinc	mg/kg	waste/soil	SW 846-7950	DL
Zinc low level	ug/L	dw / water	SM 3111 B	5
Zinc	mg/L	dw / water	SM 3111 B	0.02

Metal can be analyzed as total or dissolved

dw - Drinking Water

Note: Reporting limits can vary depending on the sample volume and sample matrix.

Reporting limits are determined according to 40 CFR Pt. 136 Appendix B.

DL - MDL determined by the % solid of the sample