ASB LOQAM Chapter 7 Appendix 2 Nutrients and Classicals Analyte List Minimum Quantitation Limits by Matrices Revised 01/13/03				
ANALYTE	**Water mg/L (ppm)** [1]	**Soil/Sed mg/kg (ppm)**	**Waste mg/kg (ppm)**	**Tissue mg/kg (ppm)**
Acidity	1.0	NA	NA	NA
Alkalinity	1.0	NA	NA	NA
Ammonia	0.05	2.5[2]	2.5[2]	NA
BOD	2.0	NA	NA	NA
Bromide	0.1	NA	NA	NA
Chloride	0.1	1.0	1.0	NA
Color	25 **color units**	NA	NA	NA
Conductivity	NA	NA	NA	NA
Cyanide	15 **µg/L**	0.75	0.75	NA
Fluoride	0.05	0.5	0.5	NA
Hardness	10	NA	NA	NA
Nitrate+Nitrite	0.05	12.5	12.5	NA
Oil and Grease	5.0	NA	NA	NA
pH	NA	NA	NA	NA
Phenols, Total	20 **µg/L**	NA	NA	NA
Phosphorus, Total	0.01	25[4]	25[4]	NA
Phosphorus, Ortho	0.01	25[4]	25[4]	NA
Solids Series	4.0	NA	NA	NA
Sulfate	0.1	1.0	1.0	NA
Sulfide	0.04	0.4[3]	0.4[3]	NA
Kjeldahl Nitrogen	0.05	12.5[4]	12.5[4]	NA
Total Org. Carbon	1.0	NA	NA	NA
Turbidity	1.0 **Turbidity units**	NA	NA	NA

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SESD routinely performs percent solids and corrosivity analyses. MQLs may increase due to variability of interferences that make dilutions of sample necessary. Sample sizes required for achieving the routine quantitation limits listed above:

1 **Units as specified unless otherwise noted**

2 **Calculated using 1.0 grams of sample (dry weight basis, % moisture will increase MQLs).**

3 **Calculated using 5.0 grams of sample (dry weight basis, % moisture will increase MQLs).**

4 **Calculated using 0.2 grams of sample (dry weight basis, % moisture will increase MQLs).**