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April 11, 2007

Subject: USEPA Methods Update Rule (MUR)

To our valued clients:

USEPA has finalized an extensive change to the analysis and sampling procedures in the wastewater and drinking water regulations (USEPA Methods Update Rule — MUR). CLS received a letter from ELAP on April 4th, 2007 addressing these changes. The rule becomes effective on April 11th, 2007. CLS has summarized the MUR changes which may affect your needs in the following paragraphs.

Method Changes

USEPA discontinued most EPA methods for inorganic chemicals such as alkalinity by EPA 310.1, ammonia by EPA 350.2, BOD by EPA 405.1, lead by EPA 239.2, and total dissolved solid by EPA 160.1 etc. CLS will switch to Standard Methods for those constituents. If your specific permit requires using these discontinued EPA methods, we are allowed to use them as long as the lab maintains a copy of your permit in our file.

Oil & Grease Methods

Only approved method is EPA 1664A for hexane extractable material (HEM) or silica gel treated HEM.

Holding Time

The new holding time for total chlorine, residual chlorine, pH, dissolved oxygen, and sulfite is 15 minutes. Therefore, these analytes must be analyzed in the field to meet the holding time. CLS will continue to perform the analysis for these analytes in the lab and report the result with a QA/QC qualifier.

The holding time for hexavalent chromium by EPA 218.6 has been changed from 24 hours to 28 days when a sample is preserved to pH 9-9.5 with ammonia-ammonium sufate buffer.

Orthophosphate must be field filtered within 15 minutes of sampling and anayzed within 48 hours.

Summary

These are the major changes in regards to the MUR. For more information, you may visit the

ELAP website: http://www.dhs.ca.gov/ps/ls/ELAP/html/news.htm

Sincerely yours,

James Liang, Ph.D.
Laboratory Director

USEPA Methods Update Rule (MUR)
Method Changes at CLS
Effective Date: April 11, 2007

Parameter	Discontinued EPA Method	New Adopted Standard Method
Acidity	305.1	2310B
Alkalinity	310.1	2320B
Ammonia as N	350.2	4500-NH_3 C
Biochemical O.D., 5d	405.1	5210B
Chloride	325.3	4500-Cl^- C
Chlorine, Free & Total	330.5	4500-Cl G
Chromium VI	218.4	3111C
Color	110.2	2120B
Cyanide - Available	335.1	4500-CN^- G
Cyanide, Total	335.2	4500-CN^- E
Fluoride	340.2	4500-F^- C
Hydrogen Ion (pH)	150.1	4500-H^+ B
Metals by GFAA	206.2, 239.2 …….	3113B
Nitrate-Nitrite as N	353.3	4500-NO_3^- E
Nitrite as N	354.1	4500-NO_2^- B
Orthophosphate as P	365.2	4500-P E
Oxygen, dissolved (D.O.)	360.1	4500-O G
Phosphorus, Total P	365.2	4500-P E
Settleable Solids	160.5	2540F
Sulfide	376.1	4500-S^{-2} F
Sulfite	377.1	4500-SO_3^{-2} B
Surfactants	425.1	5540C
TDS	160.1	2540C
TKN	351.3	4500-NH_3 C
TOC	415.1	5310B
Total Solids	160.3	2540B
TSS	160.2	2540D