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**Sandia National Laboratories**Operated for the U.S. Department of Energy by
Sandia CorporationCarlsbad Programs Group
4100 National Parks Highway
Carlsbad, NM 88220*date:* October 30, 2012*to:* The WIPP Record Center*from:* Yongliang Xiong, Repository Performance Department 6212*subject:* Memo of Corrections for 'Second Milestone Report on Test Plan TP 08-02, "Iron, Lead, Sulfide, and EDTA Solubilities" (ERMS 557198)'

In the milestone report (Jang, Xiong, Kim, and Nemer, 2012), there were some incorrect values that were entered. The following are correction values.

1. On Pages 137-138, the experimental time should be "1197 days" instead of "1150 days".
2. On Page 138, concentrations of EDTA were calculated using the molecular weight of 292.2450 grams, which corresponds for the molecular weight of H_4EDTA . Concentrations of EDTA are recalculated using the molecular weight of 288.2134 grams. The corrected values are listed in the following table.

Table 1. Corrected EDTA concentrations

Experimental Number	Experimental time, days	Original EDTA Concentrations, [m]	Corrected EDTA Concentrations, [m]
Ca ₂ EDTA-0.01-1	390	5.84E-02	5.92E-02
Ca ₂ EDTA-0.01-2	390	3.69E-02	3.75E-02
Ca ₂ EDTA-0.1-1	390	6.79E-02	6.88E-02
Ca ₂ EDTA-0.1-2	390	6.70E-02	6.79E-02
Ca ₂ EDTA-1.0-1	390	9.08E-02	9.21E-02
Ca ₂ EDTA-1.0-2	390	9.05E-02	9.18E-02
Ca ₂ EDTA-2.0-1	390	9.04E-02	9.16E-02
Ca ₂ EDTA-2.0-2	390	9.19E-02	9.32E-02
Ca ₂ EDTA-3.0-1	390	8.38E-02	8.49E-02
Ca ₂ EDTA-3.0-2	390	8.15E-02	8.26E-02
Ca ₂ EDTA-4.0-1	390	5.23E-02	5.31E-02
Ca ₂ EDTA-4.0-2	390	7.40E-02	7.50E-02
Ca ₂ EDTA-5.0-1	390	6.70E-02	6.80E-02
Ca ₂ EDTA-5.0-2	390	6.82E-02	6.92E-02
Ca ₂ EDTA-0.01-1	965	5.64E-02	5.72E-02

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Ca ₂ EDTA-0.01-2	965	5.62E-02	5.70E-02
Ca ₂ EDTA-0.1-1	965	6.68E-02	6.77E-02
Ca ₂ EDTA-0.1-2	965	6.68E-02	6.77E-02
Ca ₂ EDTA-1.0-1	965	8.97E-02	9.10E-02
Ca ₂ EDTA-1.0-2	965	9.17E-02	9.30E-02
Ca ₂ EDTA-2.0-1	965	9.07E-02	9.20E-02
Ca ₂ EDTA-2.0-2	965	9.32E-02	9.45E-02
Ca ₂ EDTA-3.0-1	965	8.43E-02	8.55E-02
Ca ₂ EDTA-3.0-2	965	8.40E-02	8.51E-02
Ca ₂ EDTA-4.0-1	965	7.43E-02	7.54E-02
Ca ₂ EDTA-4.0-2	965	7.57E-02	7.68E-02
Ca ₂ EDTA-5.0-1	965	6.99E-02	7.09E-02
Ca ₂ EDTA-5.0-2	965	6.94E-02	7.04E-02
Ca ₂ EDTA-0.01-1	1050	5.75E-02	5.83E-02
Ca ₂ EDTA-0.01-2	1050	5.79E-02	5.87E-02
Ca ₂ EDTA-0.1-1	1050	7.11E-02	7.21E-02
Ca ₂ EDTA-0.1-2	1050	6.84E-02	6.93E-02
Ca ₂ EDTA-1.0-1	1050	9.20E-02	9.33E-02
Ca ₂ EDTA-1.0-2	1050	8.96E-02	9.09E-02
Ca ₂ EDTA-2.0-1	1050	8.97E-02	9.10E-02
Ca ₂ EDTA-2.0-2	1050	8.88E-02	9.00E-02
Ca ₂ EDTA-3.0-1	1050	8.24E-02	8.36E-02
Ca ₂ EDTA-3.0-2	1050	8.17E-02	8.28E-02
Ca ₂ EDTA-4.0-1	1050	7.28E-02	7.38E-02
Ca ₂ EDTA-4.0-2	1050	7.39E-02	7.49E-02
Ca ₂ EDTA-5.0-1	1050	6.88E-02	6.98E-02
Ca ₂ EDTA-5.0-2	1050	6.84E-02	6.93E-02
Ca ₂ EDTA-0.01-1	1099	5.25E-02	5.32E-02
Ca ₂ EDTA-0.01-2	1099	5.30E-02	5.37E-02
Ca ₂ EDTA-0.1-1	1099	6.27E-02	6.36E-02
Ca ₂ EDTA-0.1-2	1099	6.28E-02	6.37E-02
Ca ₂ EDTA-1.0-1	1099	8.74E-02	8.87E-02
Ca ₂ EDTA-1.0-2	1099	8.75E-02	8.88E-02
Ca ₂ EDTA-2.0-1	1099	8.71E-02	8.83E-02
Ca ₂ EDTA-2.0-2	1099	8.72E-02	8.84E-02
Ca ₂ EDTA-3.0-1	1099	7.98E-02	8.09E-02
Ca ₂ EDTA-3.0-2	1099	8.02E-02	8.13E-02
Ca ₂ EDTA-4.0-1	1099	6.85E-02	6.94E-02
Ca ₂ EDTA-4.0-2	1099	6.84E-02	6.94E-02
Ca ₂ EDTA-5.0-1	1099	6.34E-02	6.42E-02
Ca ₂ EDTA-5.0-2	1099	6.35E-02	6.44E-02
Ca ₂ EDTA-0.01-1	1149	5.42E-02	5.49E-02
Ca ₂ EDTA-0.01-2	1149	5.37E-02	5.44E-02
Ca ₂ EDTA-0.1-1	1149	6.33E-02	6.42E-02
Ca ₂ EDTA-0.1-2	1149	6.35E-02	6.44E-02

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Ca ₂ EDTA-1.0-1	1149	8.85E-02	8.97E-02
Ca ₂ EDTA-1.0-2	1149	8.97E-02	9.09E-02
Ca ₂ EDTA-2.0-1	1149	8.80E-02	8.92E-02
Ca ₂ EDTA-2.0-2	1149	8.78E-02	8.91E-02
Ca ₂ EDTA-3.0-1	1149	8.10E-02	8.21E-02
Ca ₂ EDTA-3.0-2	1149	8.05E-02	8.16E-02
Ca ₂ EDTA-4.0-1	1149	7.01E-02	7.11E-02
Ca ₂ EDTA-4.0-2	1149	6.96E-02	7.06E-02
Ca ₂ EDTA-5.0-1	1149	6.47E-02	6.56E-02
Ca ₂ EDTA-5.0-2	1149	6.49E-02	6.58E-02
Ca ₂ EDTA-0.01-1	1197	5.42E-02	5.50E-02
Ca ₂ EDTA-0.01-2	1197	5.47E-02	5.54E-02
Ca ₂ EDTA-0.1-1	1197	6.39E-02	6.48E-02
Ca ₂ EDTA-0.1-2	1197	6.42E-02	6.51E-02
Ca ₂ EDTA-1.0-1	1197	8.95E-02	9.07E-02
Ca ₂ EDTA-1.0-2	1197	8.88E-02	9.01E-02
Ca ₂ EDTA-2.0-1	1197	8.93E-02	9.05E-02
Ca ₂ EDTA-2.0-2	1197	8.85E-02	8.98E-02
Ca ₂ EDTA-3.0-1	1197	7.93E-02	8.04E-02
Ca ₂ EDTA-3.0-2	1197	8.03E-02	8.14E-02
Ca ₂ EDTA-4.0-1	1197	7.05E-02	7.15E-02
Ca ₂ EDTA-4.0-2	1197	7.02E-02	7.12E-02
Ca ₂ EDTA-5.0-1	1197	6.53E-02	6.62E-02
Ca ₂ EDTA-5.0-2	1197	6.51E-02	6.60E-02

Reference

Jang, J.-H., Xiong, Y.-L., Kim, S., and Nemer, M.B., 2012. Second Milestone Report on Test Plan TP 08-02, "Iron, Lead, Sulfide, and EDTA Solubilities". Carlsbad, NM. Sandia National Laboratories. ERMS 557198.

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