

**Young, John, NMENV**

TA-3 [3-010a, Groundwater release notification] Dioxane

**From:** David B. Rogers [slug@lanl.gov]  
**Sent:** Tuesday, August 15, 2006 10:32 AM  
**To:** Bearzi, James, NMENV; Young, John, NMENV; david.cobrain@state.nm.us  
**Cc:** Ardyth Simmons; Christina B. Behr-Andres; Jean M. Dewart; Kent Rich; Robert D. Enz  
**Subject:** dioxane found at SWMU 03-010a

**Attachments:** swmu 03-010a organics 6-06.xls



swmu 03-010a organics 6-06.xls...

James and David;

This message is to notify you that LANL staff has just discovered that samples collected 6/23/06 from SWMU 03-010a well 03-B-13 from perched groundwater identified one new contaminant compound:

dioxane[1,4-] was found at 374 ug/L or six times the EPA 10-5 excess cancer tap water screening level. The samples also contained several other organic compounds including four chlorinated solvents, several at values exceeding state and federal standards and EPA tap water screening levels. This SWMU is under investigation according to a plan approved by NMED and these latter compounds are some of the COPCs identified in the investigation.

Other compounds found in well 03-B-13 were (see attached spreadsheet):

chloroform at below 1 ug/L or 1% of the NM Groundwater Limit of 100 ug/L, dichloroethane[1,1-] at 13% of the NM GW Limit of 25 ug/L, dichloroethene[1,1-] at 122% of the EPA MCL of 7 ug/L and 171% of the NM GW Limit of 5 ug/L, trichloroethane[1,1,1-] at 159% of the EPA MCL of 200 ug/L and 5.3 times the NM GW Limit of 60 ug/L, and trichloroethene at 47% of the EPA MCL of 5 ug/L and 2% of the NM GW Limit of 100 ug/L.

Xylene[1,3-]+Xylene[1,4-] was also detected in this well.

At this time, I surmise that the source of dioxane (a solvent stabilizer) is related to occurrence of the chlorinated solvents; the results have not yet been validated. We will contact you again when we have more information about this matter, and LANL expects to report the results along with other data in the upcoming SWMU sampling reports. Please do not distribute this information until we know more about it. We will contact you again at that time.

Please contact me with any questions you may have.

Thank you.

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