

N61165.AR.002853
CNC CHARLESTON
5090.3a

MEMORANDUM DISCUSSING 15 MONITORING WELL SAMPLES FROM SOLID WASTE
MANAGEMENT UNIT 70 AND AREA OF CONCERN 549 CNC CHARLESTON SC
11/12/1998
ENSAFE INC.

ENSAFE

M e m o r a n d u m

Date: 12 November 1998

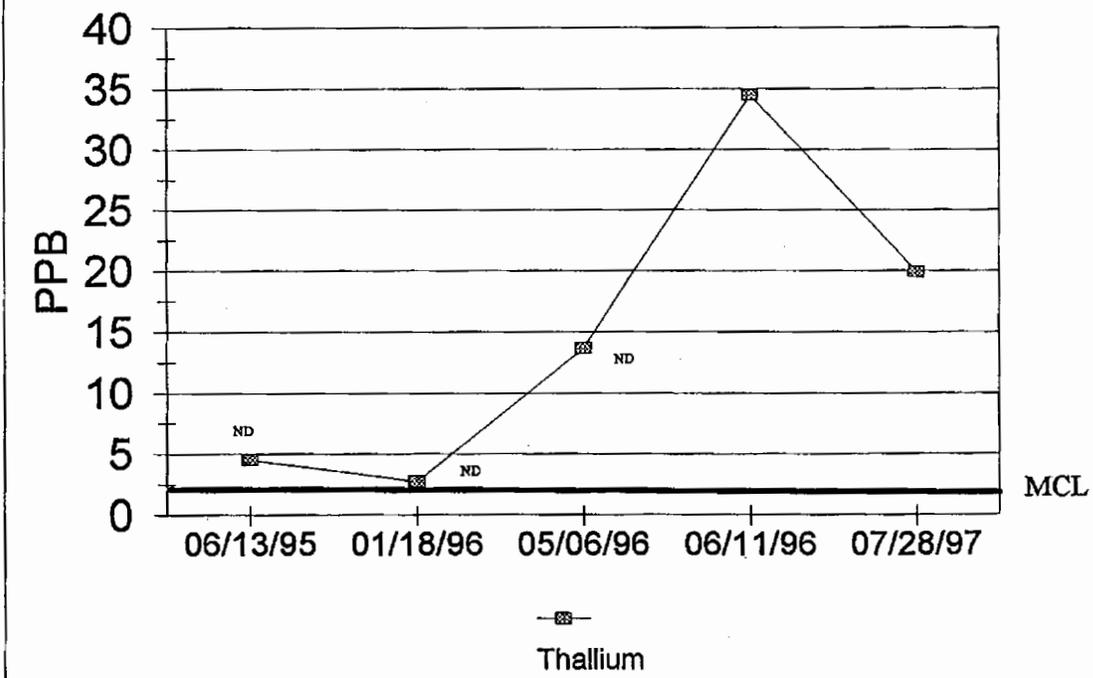
To: Johnny Tapia, Paul Bergstrand, Tony Hunt, Dann Spariosu

From: Todd Haverkost *TH*

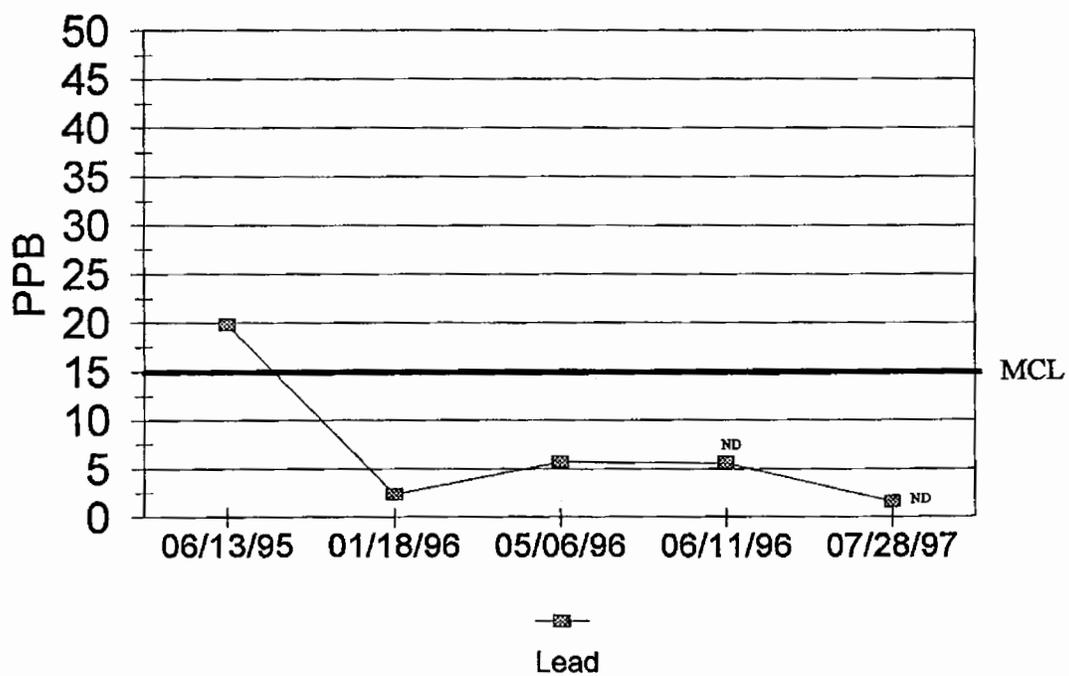
Re: Inorganics in Groundwater Evaluation

At the meeting in Columbia on 29 October 1998, one of the topics of discussion was the evaluation of inorganics in groundwater. A strategy was created for re-sampling a number of wells across the Base and decision rules were developed to outline how the data will be used to make decisions relative to groundwater which are critical as we head into the CMS. I was tasked to perform a database search to identify 15-20 wells which historically had inorganics exceeding MCLs for one or more quarters of sampling. I narrowed the scope of the search by reviewing comments for several RFI reports and CMS work plans to identify some wells that were specifically singled out during the review process. I then searched the data base for a couple of extreme examples such as the wells from SWMU 70 and AOC 549 in Zone E. Ultimately I developed a list of 15 wells that are located in Zones C, E, G, H, and I that give pretty good coverage of the Base. The analytes which seem to be most problematic are antimony, arsenic, beryllium, chromium, lead, mercury, and thallium. Some wells may have exhibited a problem with only one of these analytes while other wells may have shown a problem with multiple analytes. The data for the 15 wells I've proposed for sampling have been graphed and the graphs are attached for your review. Each well is proposed to be sampled for the inorganics listed above and both filtered (.45 micron) and unfiltered samples will be collected. Please be prepared to discuss the proposed wells no later than the December team meeting. If it is possible to obtain a consensus before then either via a conference call or e-mail that would be even better since it would allow us to perform the sampling prior to the end of the year.

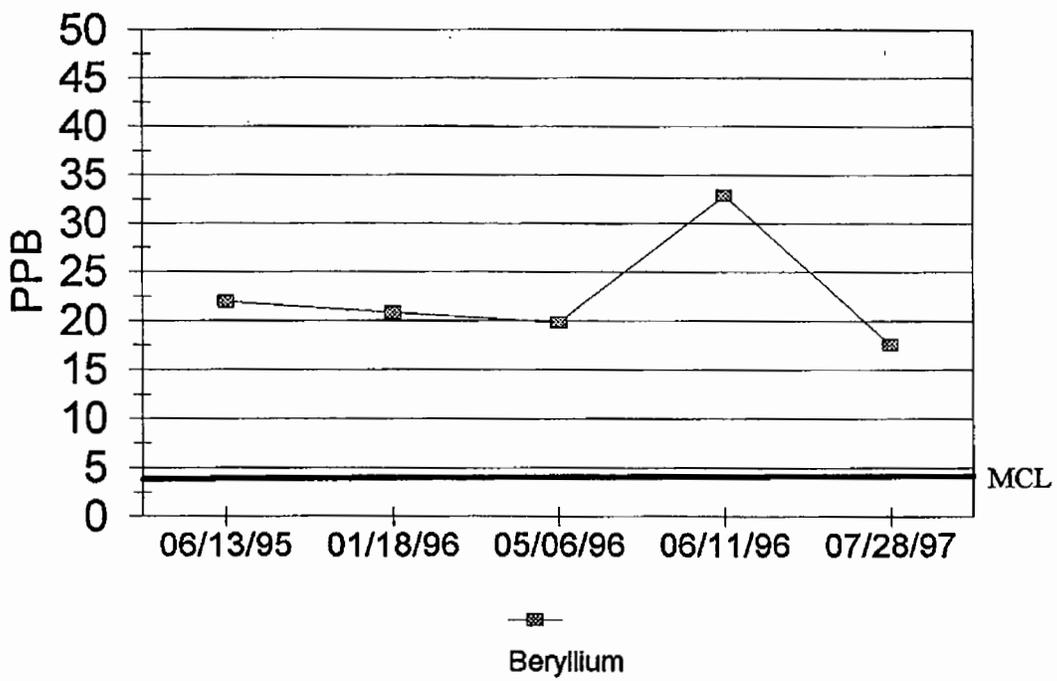
NBCC-044-001



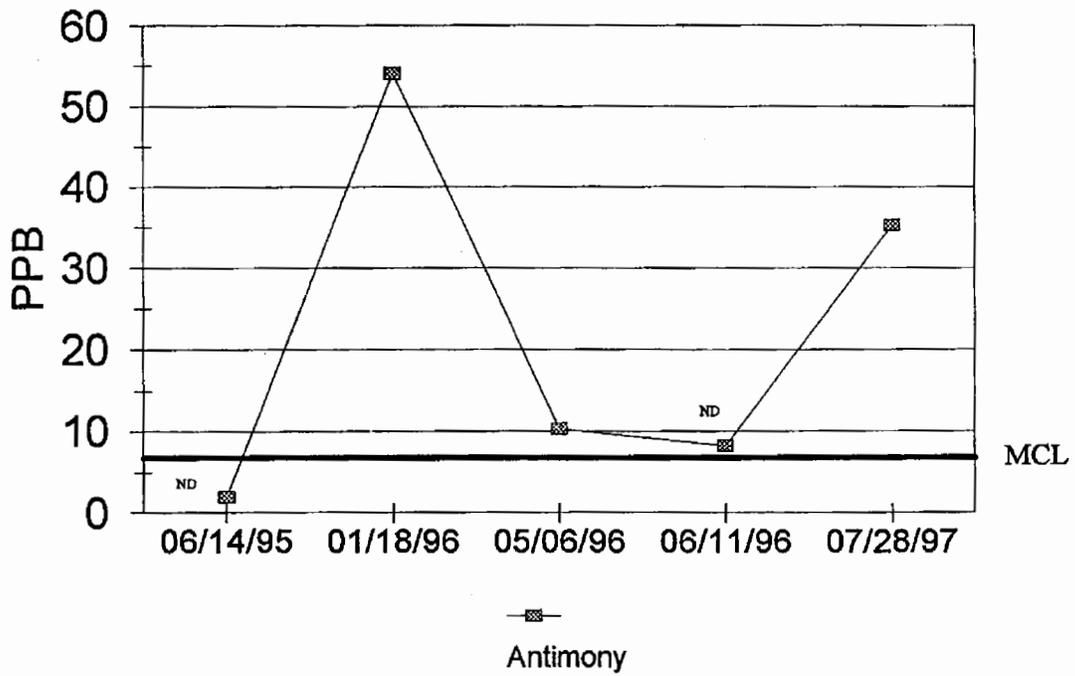
NBCC-044-001



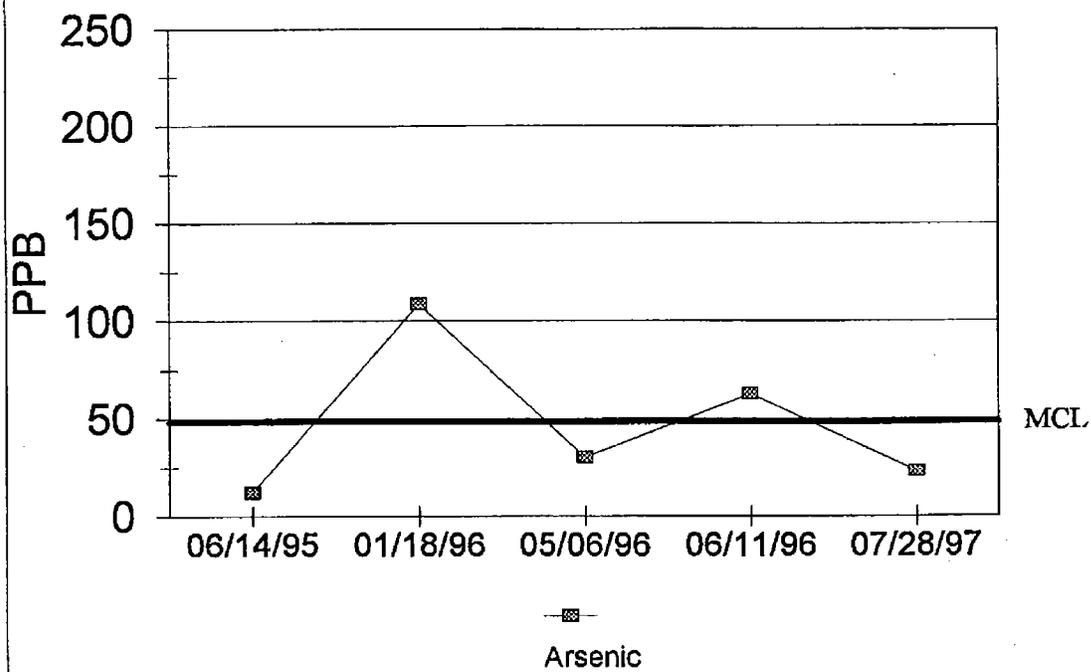
NBCC-044-001



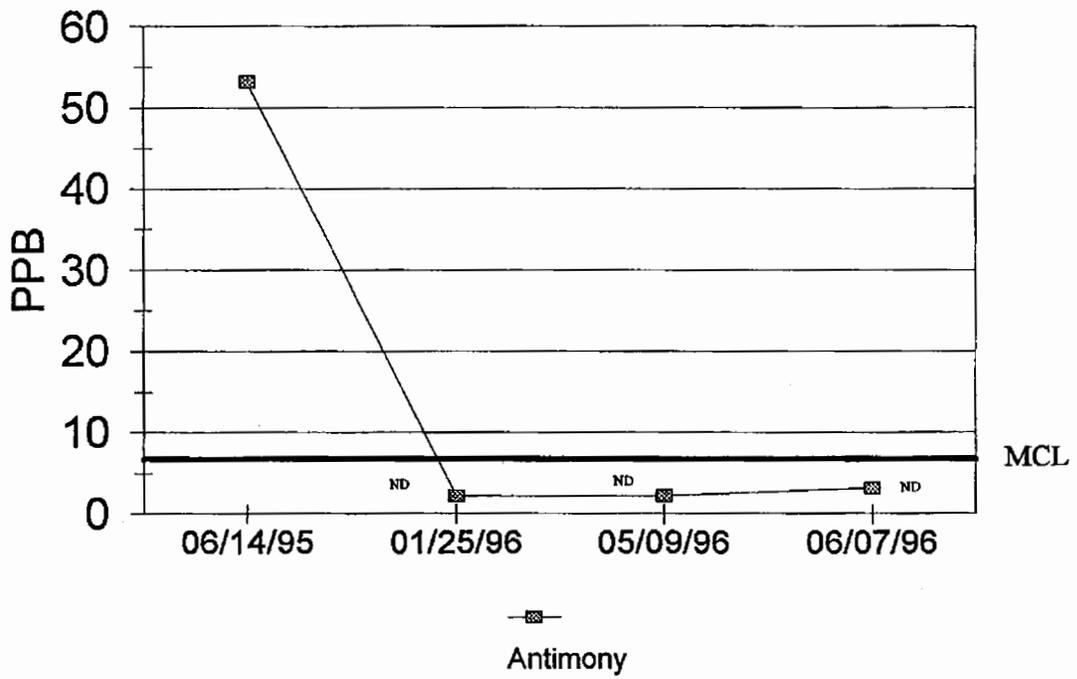
NBCC-044-007



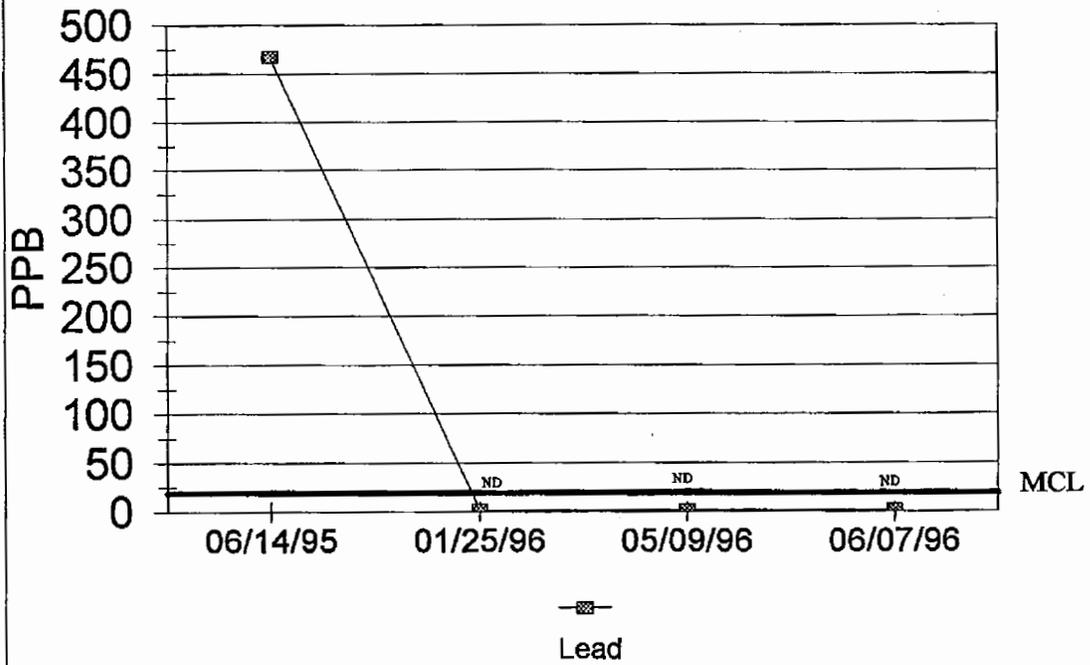
NBCC-044-007



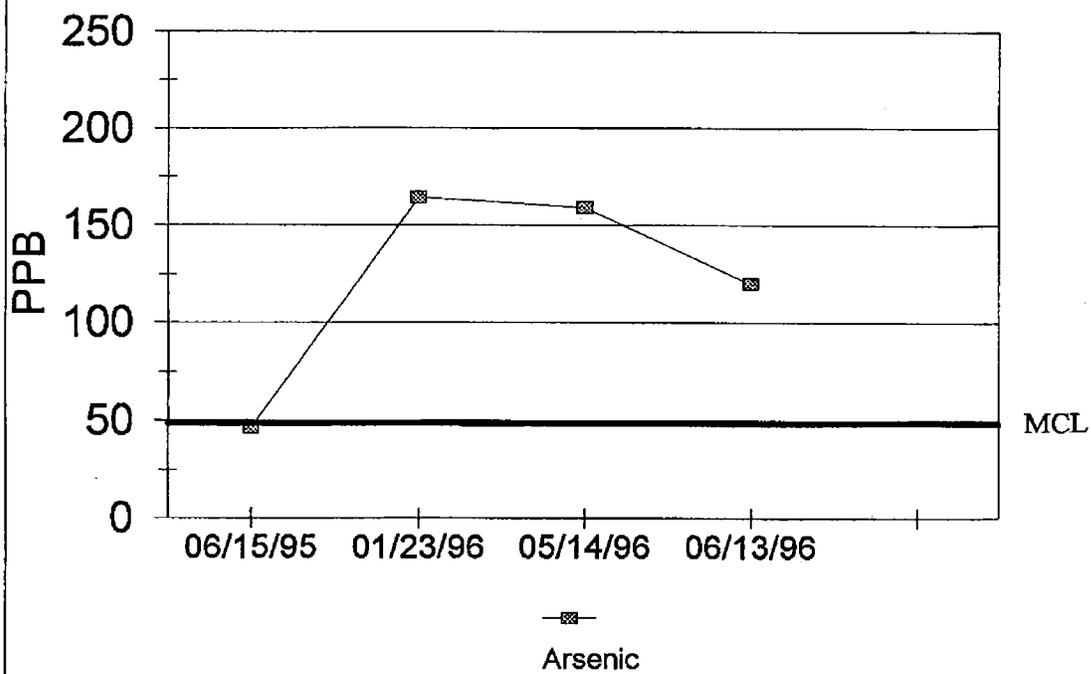
NBCC-047-001



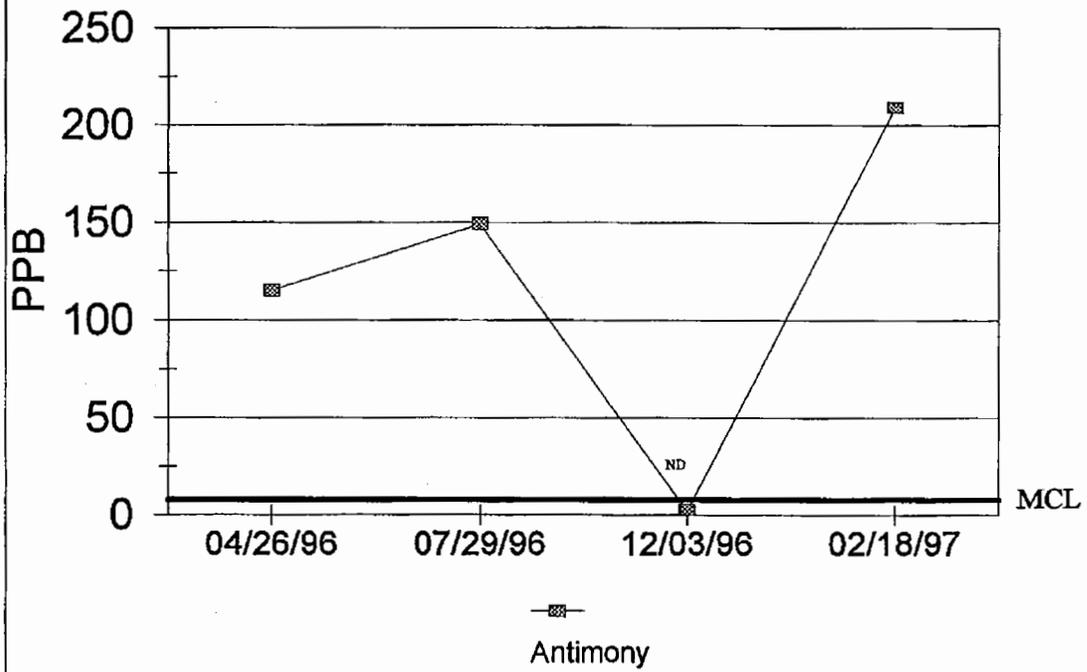
NBCC-047-001



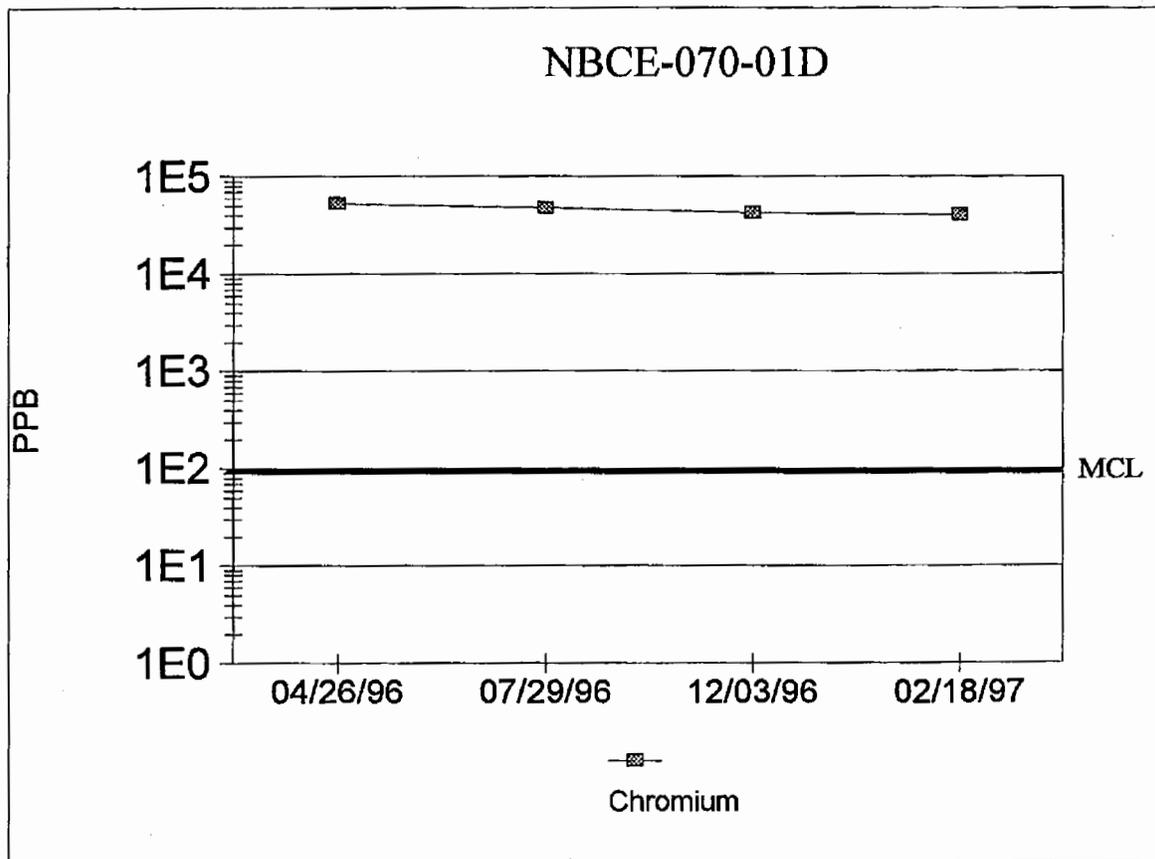
NBCC-047-011



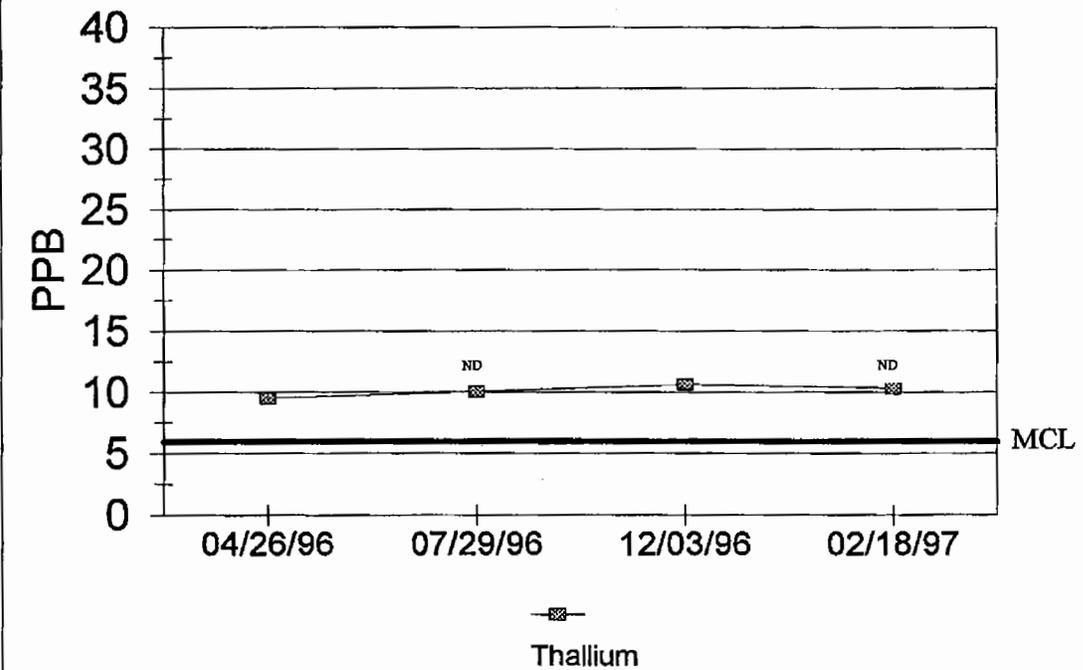
NBCE-070-01D



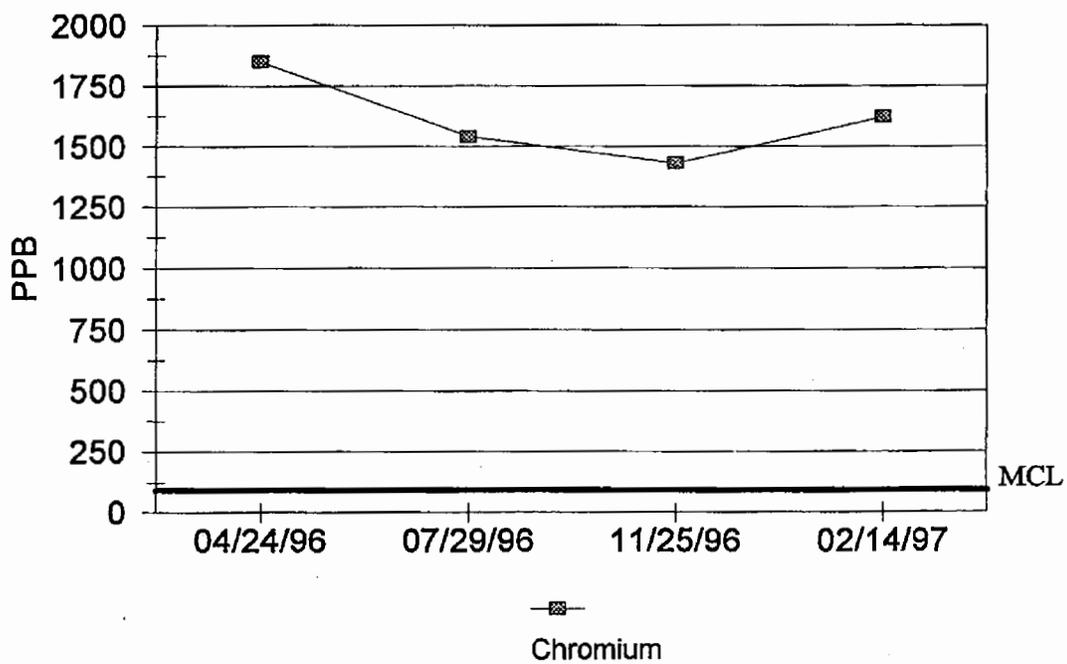
NBCE-070-01D



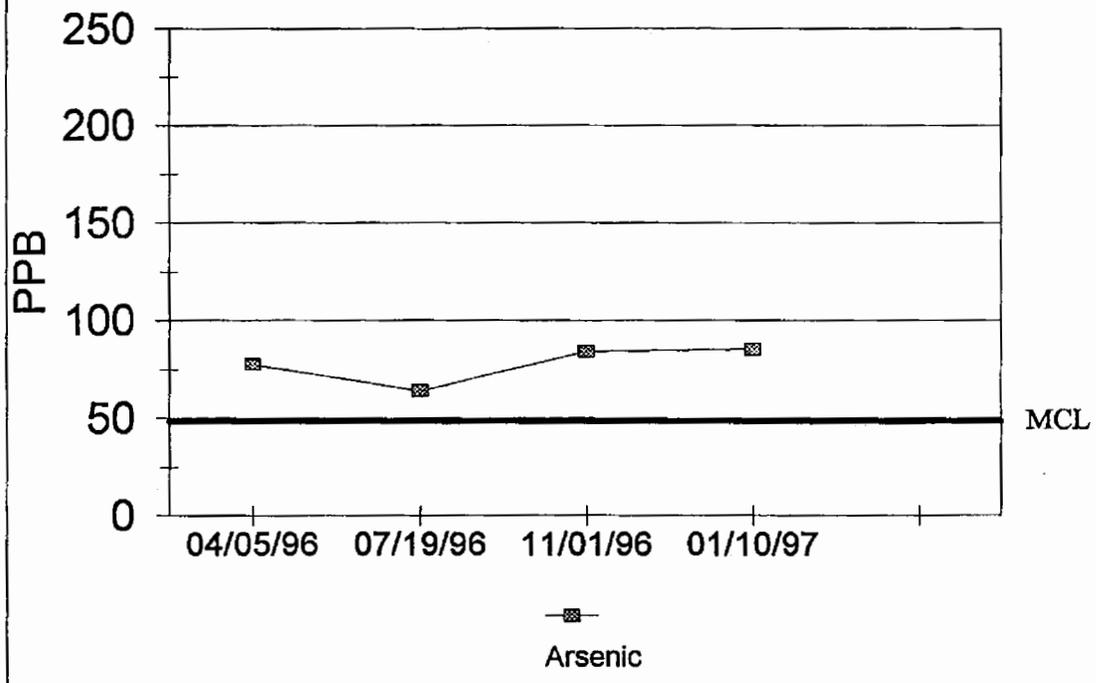
NBCE-070-01D



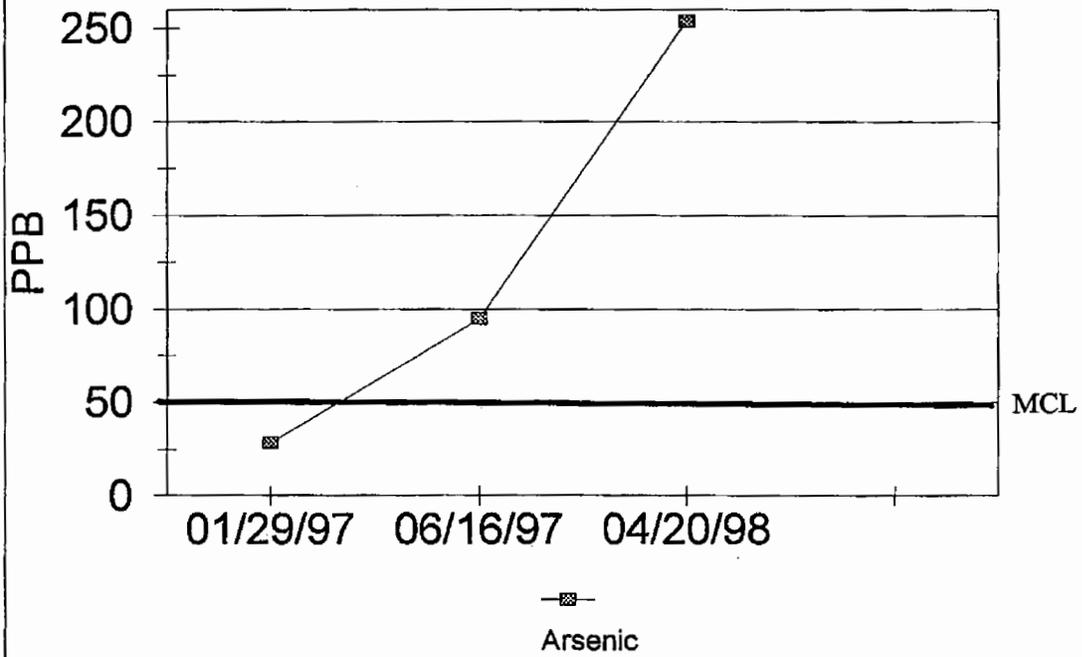
NBCE-549-003



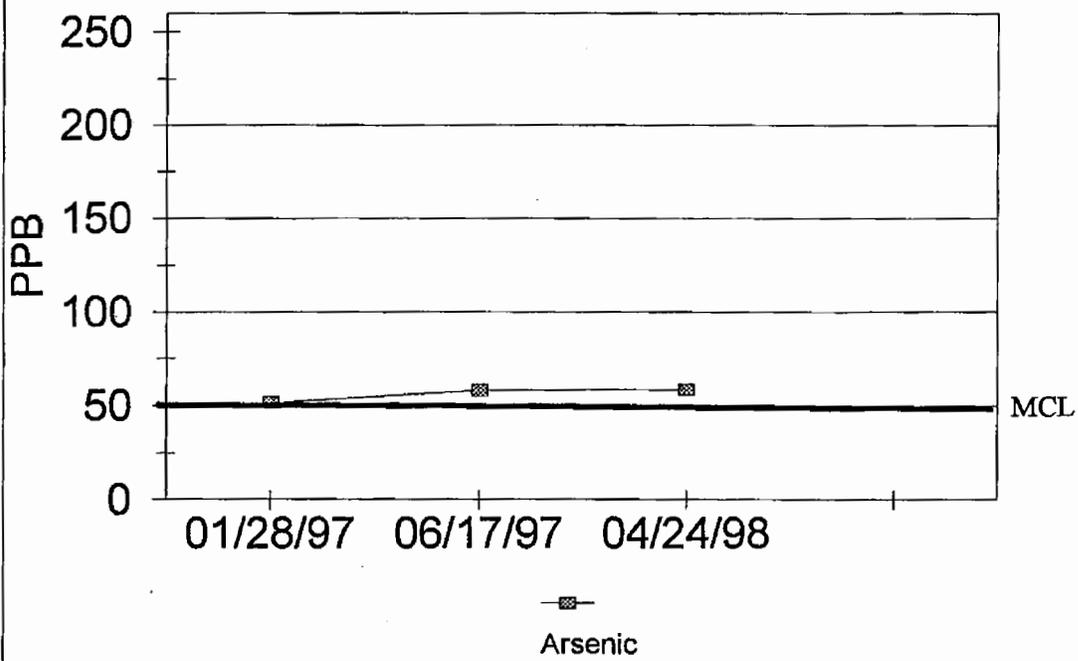
NBCE-GDE-09D



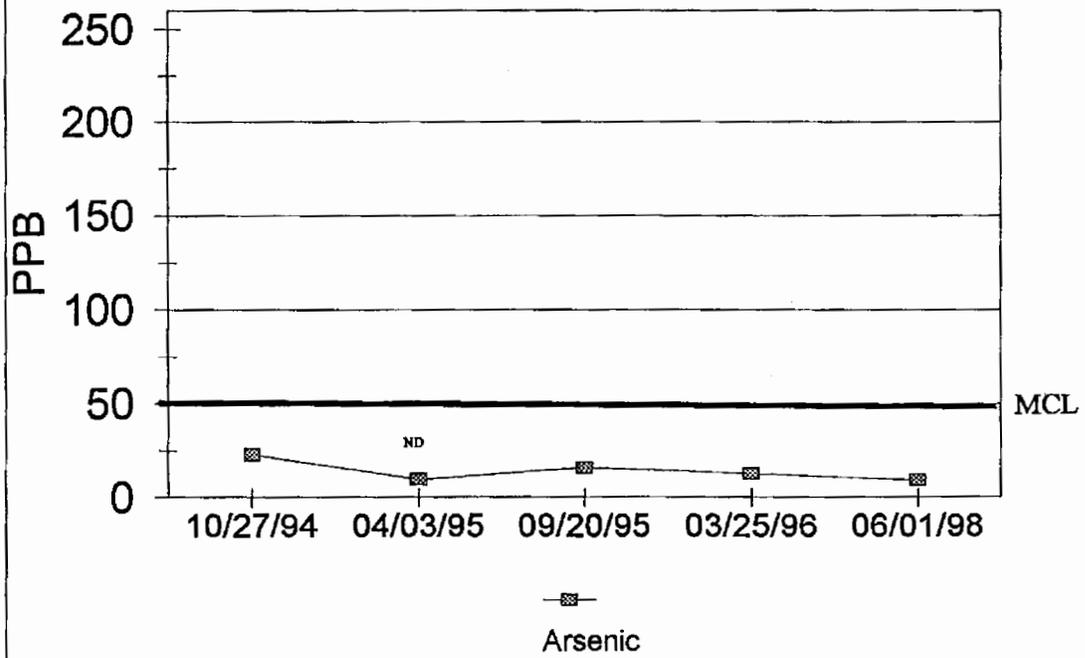
NBCG-FDS-16B



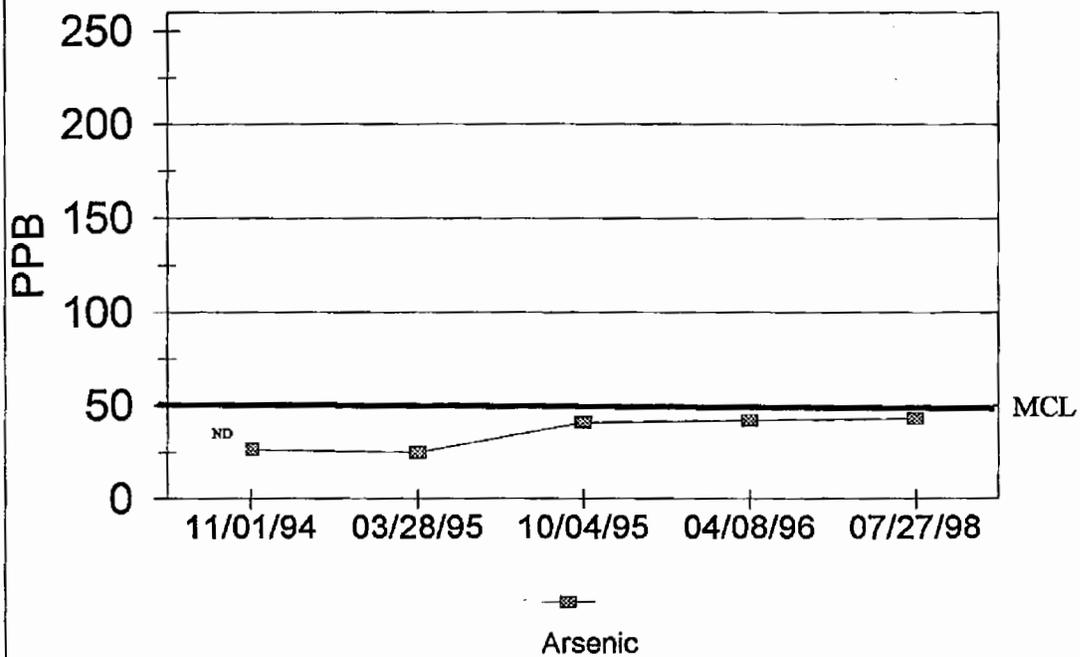
NBCG-FDS-17B



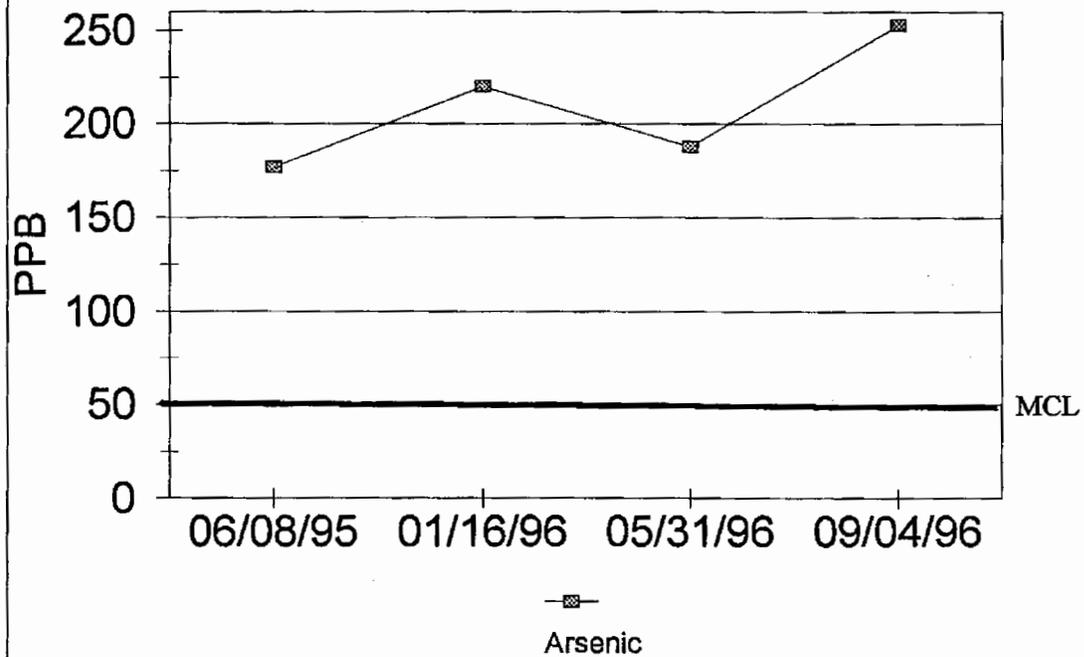
NBCH-655-002



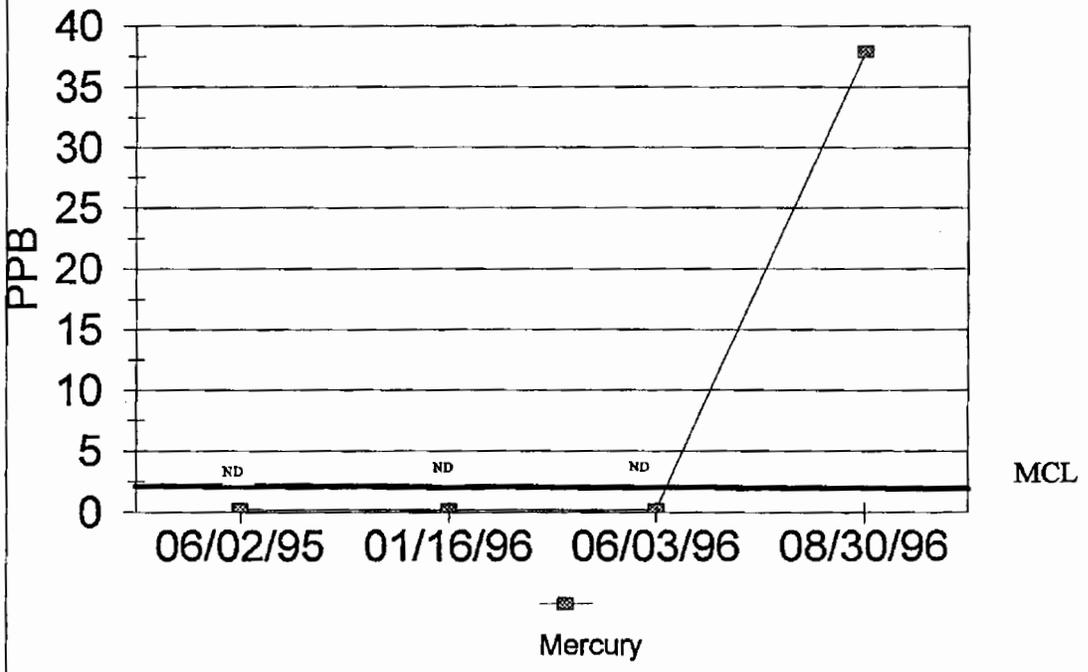
NBCH-GDH-003



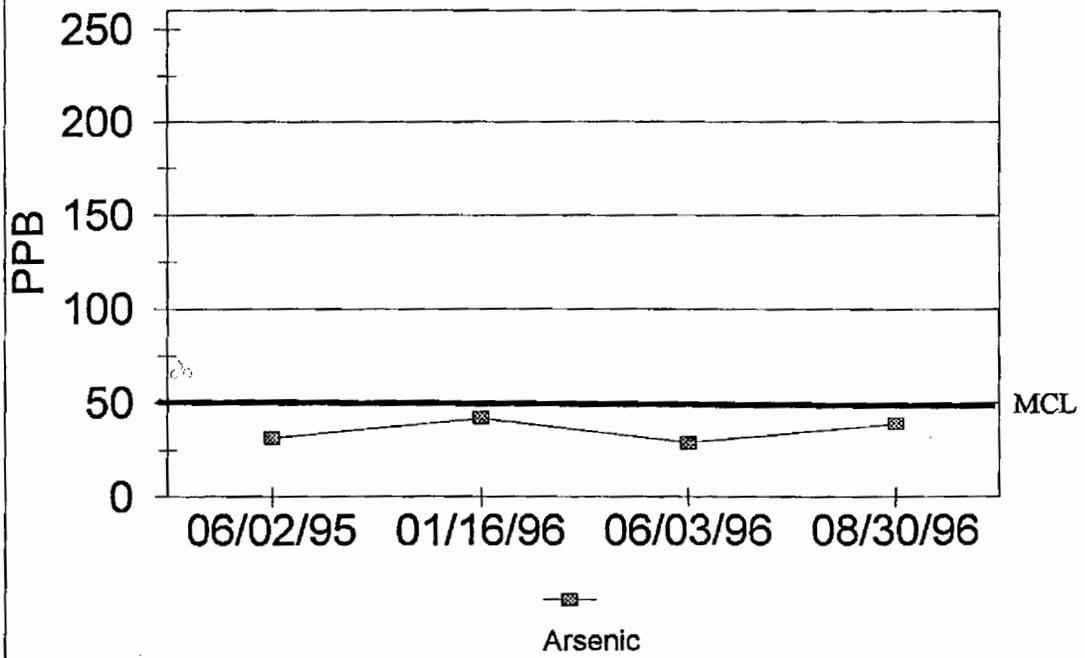
NBCI-012-002



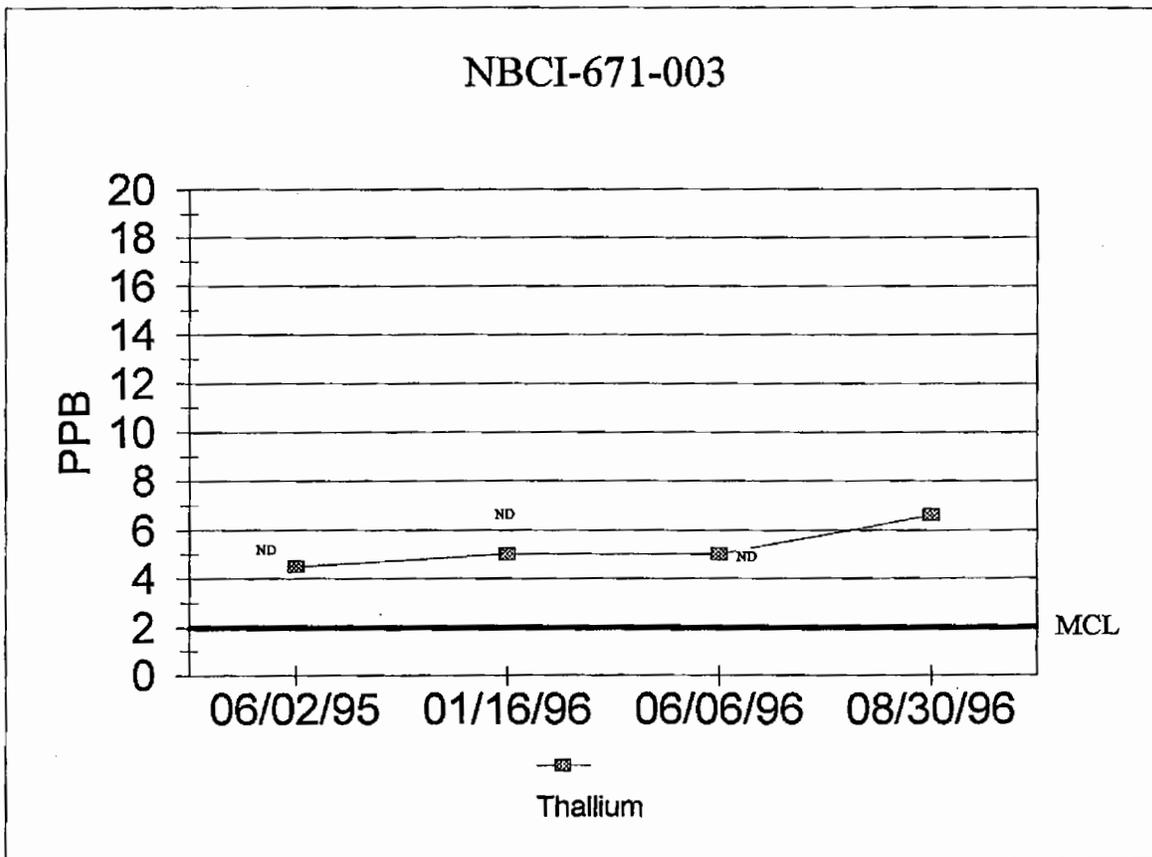
NBCI-671-003



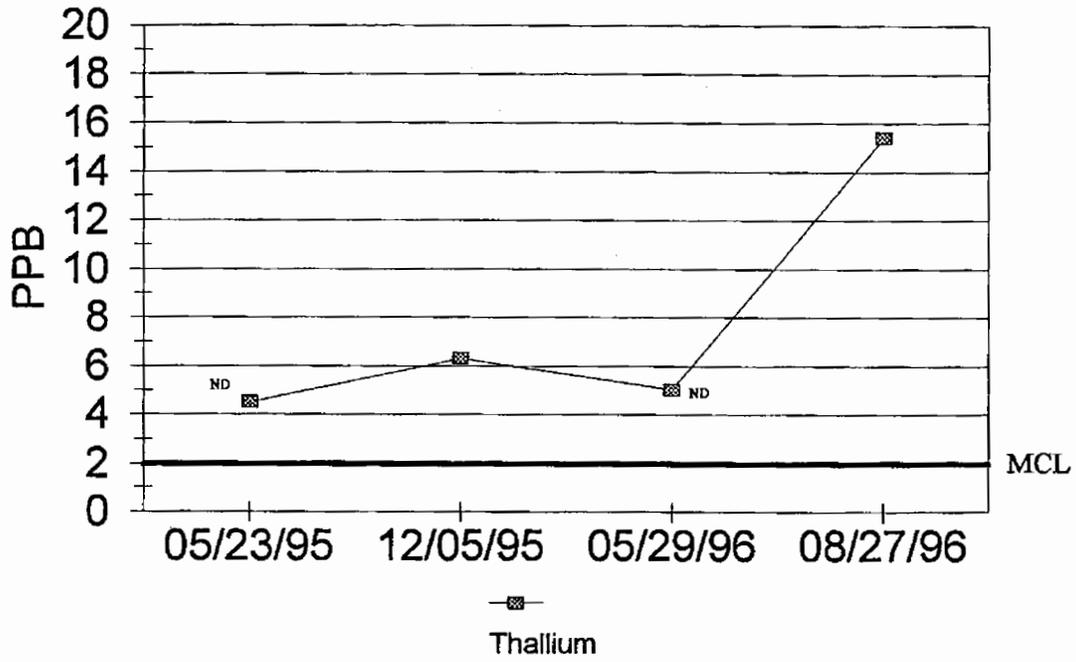
NBCI-671-003



NBCI-671-003



NBCI-GDI-17D



NBCI-GDI-18D

