

Problem: Accurate NDMA Analysis at Low Levels

Solution: DataChem

Quick, Accurate Low-Level Analysis of N-Nitrosodimethylamine (NDMA)

- ◆ DataChem has 14 years of certified experience
- ◆ Routinely used for federal RI/FS and other remedial programs
- ◆ Low PQLs to meet action limits
- ◆ High-loading capacity and rapid turnaround times
- ◆ Current MDL study that meets 40CFR136

Limits in Water:	Method Detection Limit (MDL):	0.01 µg/L
	Practical Quantitation Limit (PQL):	0.02 µg/L
Limits in Soil:	Method Detection Limit (MDL):	0.5 µg/Kg
	Practical Quantitation Limit (PQL):	0.7 µg/Kg
Holding Times:	To Extraction (Water)	7 Days from Sampling
	To Extraction (Soil)	14 Days from Sampling
	To Analysis	40 Days from Extraction
Sampling Requirements:	Volume	1 Liter (water); 4 oz (soil)
	Container	1 Liter Amber (water) 4 oz Amber (soil)
	Preservative:	4°C
Keep out of sunlight as much as possible		

DataChem Laboratories, Inc.
960 West LeVoy Drive
Salt Lake City, UT 84123

1-800-356-9135—toll free
1-801-266-7700
Fax: 1-801-268-9992

marketing@datachem.com
www.datachem.com

**For a complete list of our services,
visit us at www.datachem.com**

N-Nitrosodimethylamine (NDMA) is a member of a family of extremely potent carcinogens, the N-nitrosamines. Until recently, concerns about NDMA mainly focused on the presence of NDMA in food, consumer products, and polluted air. However, current concern focuses on NDMA as a drinking water contaminant resulting from reactions occurring during chlorination.

NDMA is used in the production of 1,1-dimethylhydrazine for liquid rocket fuel, and in a variety of other industrial uses. It has been reported in foods, beverages, drugs, tobacco smoke and in air and drinking water.

Environmental contamination of NDMA can be directly from industrial sources such as liquid rocket fuel, or it can be formed in solution from chemical reactions.

The United States Environmental Protection Agency (EPA) has classified NDMA as a probable carcinogen and the California Department of Health Services (DHS) has established an interim "Action Level" level of 20 ng/L (nanograms per liter or parts per trillion).

