

COMPARISON OF BTEX STANDARDS  
OF CONCENTRATIONS FOR NEW MEXICO GROUNDWATER  
AND DRINKING WATER  
WITH BENSON-MONTIN-GREER CANADA OJITOS UNIT EVAPORATION POND

	BTEX Standards for Groundwater New Mexico Water Quality Control Commission * <u>(Parts per billion)</u>	BTEX Standards of New Mexico Drinking Water Bureau ** <u>(Parts per billion)</u>	B-M-G Canada Ojitos Unit Evaporation Pond *** <u>(Parts per billion)</u>
Benzene	10	5	0.48
Toluene	750	1000	1.25
Ethylbenzene	750	700	ND ****
Xylenes	620	1000	1.29

\* Reference Part 3-103 of the New Mexico Water Quality Control Commission regulations, as amended through November 25, 1988.

\*\* These maximum levels apply to community and non-transient, non-community water systems (reference Drinking Water Regulations, Title 20 Chapter 7, Part 1, Section 203-C.

\*\*\* Samples taken May 1, 1995 after several days since the last load was introduced to the pond and before substantial amount of dehydrator pit water had been brought to the pond.

\*\*\*\* Not detected.

Before the  
OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico  
Case No. 11143 Exhibit No. 5  
Submitted By: \_\_\_\_\_  
Hearing Date: \_\_\_\_\_

## PURGEABLE AROMATICS

Benson Montin & Greer

Project ID: NA  
Sample ID: Evaporation Pond  
Lab ID: 0944  
Sample Matrix: Water  
Preservative: Cool  
Condition: Intact

Report Date: 05/03/95  
Date Sampled: 05/01/95  
Date Received: 05/02/95  
Date Analyzed: 05/02/95

Target Analyte	Concentration (ug/L)	Detection Limit (ug/L)
Benzene	0.48	0.20
Toluene	1.25	0.20
Ethylbenzene	ND	0.20
m,p-Xylenes	0.85	0.40
o-Xylene	0.44	0.20

<b>Total BTEX</b>	<b>3.20</b>
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ND - Analyte not detected at the stated detection limit.

<b>Quality Control:</b>	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Trifluorotoluene	105	88 - 110%
	Bromofluorobenzene	93	86 - 115%

**Reference:** Method 602.2, Purgeable Aromatics; Federal Register, Vol. 49, No. 209, Oct. 1984.

**Comments:**

  
Analyst

  
Review