

**3R - 18**

**GENERAL  
CORRESPONDENCE**

**YEAR(S):**

**1995**



Date Remediation Started: 4-12-95 Date Completed: 5-1-95

Remediation Method: Excavation  Approx. cubic yards 400  
(Check all appropriate sections) Landfarmed  Insitu Bioremediation   
Other \_\_\_\_\_

Remediation Location: Onsite  Offsite \_\_\_\_\_  
(ie. landfarmed onsite, name and location of offsite facility)

General Description Of Remedial Action: \_\_\_\_\_  
Excavation - INTO WATER - APPEARS TO BE PERCHED  
IRRIGATION WATER.  
WATER PUMPED SEVERAL TIMES + DISPOSED OF BY OIL FIELD WATER DISPOSAL.

Ground Water Encountered: No  Yes  Depth 15'

Final Pit: Sample location see Attached Documents

Closure Sampling: (if multiple samples, attach sample results and diagram of sample locations and depths) SEVERAL WATER SAMPLES COLLECTED OVER 3 WEEKS

Sample depth \_\_\_\_\_

Sample date \_\_\_\_\_ Sample time \_\_\_\_\_

Sample Results  
Benzene (ppm) \_\_\_\_\_  
Total BTEX (ppm) \_\_\_\_\_  
Field headspace (ppm) \_\_\_\_\_  
TPH \_\_\_\_\_

Ground Water Sample: Yes  No  (If yes, attach sample results)

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

DATE 5-3-95  
SIGNATURE B. Shaw PRINTED NAME AND TITLE Buddy D. Shaw Environmental Coordinator



## PURGEABLE AROMATICS

### Blagg Engineering, Inc.

Project ID: GCU 165  
Sample ID: Pit Water  
Lab ID: 0827  
Sample Matrix: Water  
Preservative: Cool, HgCl<sub>2</sub>  
Condition: Intact

Report Date: 04/13/95  
Date Sampled: 04/12/95  
Date Received: 04/12/95  
Date Analyzed: 04/12/95

Target Analyte	Concentration (ug/L)	Detection Limit (ug/L)
Benzene	916	40.0
Toluene	2,140	40.0
Ethylbenzene	205	40.0
m,p-Xylenes	2,430	80.0
o-Xylene	563	40.0
<b>Total BTEX</b>		<b>6,260</b>

ND - Analyte not detected at the stated detection limit.

Quality Control:	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Trifluorotoluene	105	88 - 110%
	Bromofluorobenzene	96	86 - 115%

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

**Comments:**

  
Analyst

  
Review

## PURGEABLE AROMATICS

Blagg Engineering, Inc.

Project ID: GCU 165  
Sample ID: Pit Water  
Lab ID: 0837  
Sample Matrix: Water  
Preservative: Cool, HgCl<sub>2</sub>  
Condition: Intact

Report Date: 04/17/95  
Date Sampled: 04/17/95  
Date Received: 04/17/95  
Date Analyzed: 04/17/95

Target Analyte	Concentration (ug/L)	Detection Limit (ug/L)
Benzene	84.2	10.0
Toluene	368	10.0
Ethylbenzene	36.4	10.0
m,p-Xylenes	369	20.0
o-Xylene	98.1	10.0

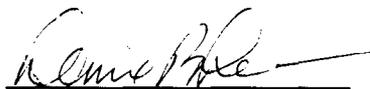
**Total BTEX 956**

ND - Analyte not detected at the stated detection limit.

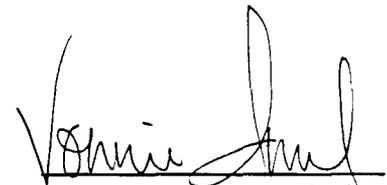
Quality Control:	Surrogate	Percent Recovery	Acceptance Limits
	Trifluorotoluene	99	88 - 110%
	Bromofluorobenzene	94	86 - 115%

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

Comments:



Analyst



Review

## PURGEABLE AROMATICS

Blagg Engineering, Inc.

Project ID:	GCU 165	Report Date:	04/24/95
Sample ID:	Pit Water	Date Sampled:	04/20/95
Lab ID:	0873	Date Received:	04/20/95
Sample Matrix:	Water	Date Analyzed:	04/21/95
Preservative:	Cool, HgCl <sub>2</sub>		
Condition:	Intact		

Target Analyte	Concentration (ug/L)	Detection Limit (ug/L)
Benzene	43.7	2.00
Toluene	212	2.00
Ethylbenzene	11.9	2.00
m,p-Xylenes	204	4.00
o-Xylene	61.8	2.00

<b>Total BTEX</b>	<b>534</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	97	88 - 110%
	Bromofluorobenzene	92	86 - 115%

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

**Comments:**

  
Analyst

  
Review

## PURGEABLE AROMATICS

Blagg Engineering, Inc.

Project ID: GCU 165  
Sample ID: Pit Water  
Lab ID: 0897  
Sample Matrix: Water  
Preservative: Cool, HgCl<sub>2</sub>  
Condition: Intact

Report Date: 04/26/95  
Date Sampled: 04/25/95  
Date Received: 04/25/95  
Date Analyzed: 04/26/95

Target Analyte	Concentration (ug/L)	Detection Limit (ug/L)
Benzene	19.8	2.00
Toluene	180	2.00
Ethylbenzene	11.5	2.00
m,p-Xylenes	184	4.00
o-Xylene	67.9	2.00

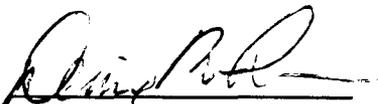
<b>Total BTEX</b>	<b>464</b>
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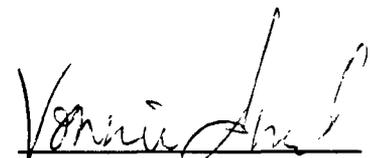
ND - Analyte not detected at the stated detection limit.

<b>Quality Control:</b>	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Trifluorotoluene	101	88 - 110%
	Bromofluorobenzene	95	86 - 115%

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

**Comments:**

  
Analyst

  
Review



OFF: (505) 325-8786

LAB: (505) 325-5667

**AROMATIC VOLATILE ORGANICS**

Attn: *R.E. O'Neill*  
Company: *Blagg Engineering, Inc.*  
Address: *P.O. Box 87*  
City, State: *Bloomfield, NM 87413*

Date: *5/2/95*  
Lab ID: *2927*  
Sample ID: *6160*  
Job No. *2-1000*

Project Name: *GCU 165*  
Project Location: *Pit Water - Sep. Pit*  
Sampled by: *REO* Date: *5/1/95* Time: *8:00*  
Analyzed by: *DC* Date: *5/1/95*  
Sample Matrix: *Water*

**Aromatic Volatile Organics**

<b>Component</b>	<b>Measured Concentration ug/L</b>	<b>Detection Limit Concentration ug/L</b>
<i>Benzene</i>	<i>2.5</i>	<i>0.2</i>
<i>Toluene</i>	<i>2.0</i>	<i>0.2</i>
<i>Ethylbenzene</i>	<i>5.5</i>	<i>0.2</i>
<i>m,p-Xylene</i>	<i>125.8</i>	<i>0.2</i>
<i>o-Xylene</i>	<i>33.9</i>	<i>0.2</i>
	<i>TOTAL 169.6 ug/L</i>	

*ND - Not Detectable*

**Method** - *SW-846 EPA Method 8020 Aromatic Volatile Organics by Gas Chromatography*

Approved by: *Da L*  
Date: *5/2/95*