

Table 2.7-4

Report to the Texas Department of Water Resources: Summary of Baseline Water Quality at the URI Kingsville Dome Site on August 25, 1983 (from URI, 1983c)

JTI019

	PARAMETER	UNIT		D SAND			PRODUCTION ZONE						WELL I.D. BY AREA*		
				Low	Average	High	MINE AREA**			AA SAND			D	PROD. ZONE	
							Low	Average	High	Low	Average	High		Mine	AA
1	Calcium	mg/l			3		13	15.5	18		34		SBL-1	PBL-1	DBL-1
2	Magnesium	mg/l			2		4	5	6		7			PBL-2	
3	Sodium	mg/l			325		300	322	346		425			PBL-3	
4	Potassium	mg/l			7		8	8.3	9		7			PBL-4	
5	Carbonate	mg/l			24		0	21	32		0			PBL-5	
6	Bicarbonate	mg/l			230		237	261	315		300			PBL-6	
7	Sulfate	mg/l			146		163	198	229		305				
8	Chloride	mg/l			243		197	219	242		320				
9	Fluoride	mg/l			.84		.578	.60	.634		.558				
10	Nitrate - N	mg/l			<.1		<.1	1.12	2.3		.5				
11	Silica	mg/l			15		15	17	18		20				
12	pH	Std. unit			8.8		7.79	8.53	8.73		7.53				
13	TDS	mg/l			884		884	935	972		1260				
14	Conductivity	µmhos			1650		1570	1647	1750		2030				
15	Alkalinity	Std. unit			228		237	257	266		240				
16	Arsenic	mg/l			.016		.001	.007	.022		<.001				
17	Cadmium	mg/l			<.01		<.01	<.01	<.01		<.01				
18	Iron	mg/l			.21		<.01	.08	.35		.04				
19	Lead	mg/l			<.02		<.02	<.02	<.02		<.02				
20	Manganese	mg/l			<.01		<.01	.02	.03		.02				
21	Mercury	mg/l			<.0002		<.0002	<.0002	<.0002		.0002				
22	Selenium	mg/l			.009		<.001	.017	.055		<.001				
23	Ammonia	mg/l			.052		.043	.164	.170		.048				
24	Uranium	mg/l			.091		<.002	.027	.071		.002				
25	Molybdenum	mg/l			<.1		<.1	.1	.2		<.1				
26	Radium 226	mg/l			2.68		.5	2.22	5.58						

* LIST THE IDENTIFICATION NUMBERS OF WELLS USED TO OBTAIN THE LOW, AVERAGE AND HIGH VALUES.

**MONITOR WELLS

Date Summarized: 11-20-87

• LIST THE IDENTIFICATION NUMBERS OF WELLS USED TO OBTAIN THE LOW, AVERAGE AND HIGH VALUES.

STERN MONITOR WELLS