

## GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS

LOCATION: 0628

REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Sodium	mg/L	11/21/1993	0001	2860		F	#	1	-
	mg/L	11/21/1993	N001	3250		F	#	1	-
	mg/L	06/03/1994	0001	3800		F	#	5	-
	mg/L	06/03/1994	N001	3930		F	#	5	-
	mg/L	11/03/1994	0001	2370	I	F	#	5	-
	mg/L	11/03/1994	N001	2600	I	F	#	5	-
	mg/L	10/29/1995	0001	3410		F	#	1	-
	mg/L	06/19/1997	0001	3580.000		L	#	-	-
	mg/L	06/11/1998	0001	3120.000		L	#	-	-
	mg/L	06/29/1999	0001	3100.000		L	#	-	-
	mg/L	11/11/1999	0001	2950.000		L	#	-	-
	mg/L	06/21/2000	0001	3030.000		L	#	4.34	-
	mg/L	12/06/2000	0001	2580.000		L	#	52.5	-
	mg/L	04/04/2001	0001	2570.000		L	#	0.052	-
	mg/L	06/12/2001	0001	2580.000	E	JF	#	0.085	-
	mg/L	08/21/2001	0001	2230.000		F	#	0.085	-
Specific Conductance	umhos/cm	11/21/1993	N001	8270		F	#	-	-
	umhos/cm	06/02/1994	N001	11340		F	#	-	-
	umhos/cm	11/03/1994	N001	6910		F	#	-	-
	umhos/cm	10/29/1995	N001	9860		F	#	1	-
	umhos/cm	06/19/1997	N001	15630		L	#	-	-
	umhos/cm	06/11/1998	N001	13090		L	#	-	-
	umhos/cm	06/29/1999	N001	13350		L	#	-	-
	umhos/cm	11/11/1999	N001	13560		L	#	-	-
	umhos/cm	06/21/2000	N001	11880		L	#	-	-
	umhos/cm	12/06/2000	N001	11650		L	#	-	-
	umhos/cm	04/04/2001	N001	9990		L	#	-	-
	umhos/cm	06/12/2001	N001	11130		F	#	-	-
	umhos/cm	08/21/2001	N001	9420		F	#	-	-
Sulfate	mg/L	11/21/1993	N001	7560		F	#	1	-
	mg/L	06/03/1994	0001	8030	I	F	#	50	-
	mg/L	06/03/1994	N001	8600	I	F	#	50	-
	mg/L	11/03/1994	0001	6100		F	#	100	-
	mg/L	10/29/1995	0001	7980		F	#	1	-
	mg/L	06/19/1997	0001	7180.000		L	#	-	-
	mg/L	06/11/1998	0001	6960.000		L	#	-	-

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		DATE	ID		LAB	DATA	QA		
Sulfate	mg/L	06/29/1999	0001	7150.000	L	#		-	-
	mg/L	11/11/1999	0001	6370.000	L	#		-	-
	mg/L	06/21/2000	0001	6570.000	L	#		0.589	-
	mg/L	12/06/2000	0001	6230.000	L	#		5.89	-
	mg/L	04/04/2001	0001	5480.000	L	#		0.253	-
	mg/L	06/12/2001	0001	5770.000	F	#		0.253	-
	mg/L	08/21/2001	0001	5290.000	F	#		0.253	-
Temperature	C	11/21/1993	N001	12.7	F	#		-	-
	C	06/02/1994	N001	11.0	F	#		-	-
	C	11/03/1994	N001	12.2	F	#		-	-
	C	10/29/1995	N001	12.4	F	#		0.1	-
	C	06/19/1997	N001	11.5	L	#		-	-
	C	06/11/1998	N001	10.8	L	#		-	-
	C	06/29/1999	N001	12.8	L	#		-	-
	C	11/11/1999	N001	13.5	L	#		-	-
	C	06/21/2000	N001	12.5	L	#		-	-
	C	12/06/2000	N001	12.7	L	#		-	-
	C	04/04/2001	N001	9.9	L	#		-	-
	C	06/12/2001	N001	15.1	F	#		-	-
	C	08/21/2001	N001	20	F	#		-	-
Temperature of Zobell Solu	C	06/21/2000	N001	12.1	L	#		-	-
	C	12/06/2000	N001	7.1	L	#		-	-
	C	04/04/2001	N001	16.5	L	#		-	-
	C	06/12/2001	N001	7.1	F	#		-	-
	C	08/21/2001	N001	20.9	F	#		-	-
Thallium	mg/L	11/21/1993	0001	0.025	UIW	F	#	0.025	-
	mg/L	11/21/1993	N001	0.005	U	F	#	0.005	-
	mg/L	10/29/1995	0001	0.005	U	F	#	0.005	-
	mg/L	06/19/1997	0001	0.0010	U	L	#	0.001	-
	mg/L	06/11/1998	0001	0.0010	U	L	#	0.001	-
	mg/L	06/29/1999	0001	0.00037	B	UL	#	-	-
	mg/L	11/11/1999	0001	0.00020	U	L	#	0.0002	-
	mg/L	06/21/2000	0001	0.0001	U	L	#	0.0001	-
	mg/L	12/06/2000	0001	0.0001	U	L	#	0.0001	-
	mg/L	04/04/2001	0001	0.00014	B	UL	#	0.0001	-

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PARAMETER	UNITS	SAMPLE: DATE	ID	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
Thallium	mg/L	06/12/2001	0001	0.00024	BE UJF	#	-
	mg/L	08/21/2001	0001	0.0001	U F	#	0.0001
Thorium-230	pCi/L	11/21/1993	N001	2.8		F #	0.2 ± 0.80
	pCi/L	06/03/1994	N001	0.3	*	F #	0.4 ± 0.20
	pCi/L	11/03/1994	N001	1.20		F #	1 ± 0.20
	pCi/L	06/21/2000	0001	2.6	U	L #	2.6 -
	pCi/L	12/06/2000	0001	1.7	U	L #	1.72 -
	pCi/L	04/04/2001	0001	0.92	U	L #	0.92 -
	pCi/L	06/12/2001	0001	1.5	U	F #	1.48 -
	pCi/L	08/21/2001	0001	5.4		UF #	1.48 -
Tin	mg/L	10/29/1995	0001	0.09		F #	0.05 -
Total Dissolved Solids	mg/L	11/21/1993	0001	12900		F #	10 -
	mg/L	06/03/1994	0001	14600		F #	10 -
	mg/L	11/03/1994	0001	9840		F #	10 -
	mg/L	10/29/1995	0001	13400		F #	10 -
	mg/L	06/19/1997	0001	12700		L #	- -
	mg/L	06/29/1999	0001	11500		L #	- -
	mg/L	11/11/1999	0001	11800		L #	- -
	mg/L	06/21/2000	0001	11300		L #	10 -
	mg/L	12/06/2000	0001	10800		L #	10 -
	mg/L	04/04/2001	0001	8500		L #	10 -
	mg/L	06/12/2001	0001	9840		F #	10 -
	mg/L	08/21/2001	0001	8810		F #	10 -
Turbidity	NTU	11/21/1993	N001	17		F #	- -
	NTU	11/03/1994	N001	53		F #	- -
	NTU	10/29/1995	N001	250		F #	1 -
	NTU	06/19/1997	N001	44.2		L #	- -
	NTU	06/11/1998	N001	7.82		L #	- -
	NTU	06/29/1999	N001	32.0		L #	- -
	NTU	11/11/1999	N001	40.70		L #	- -
	NTU	06/21/2000	N001	28.1		L #	- -
	NTU	12/06/2000	N001	51.4		L #	- -
	NTU	04/04/2001	N001	26.4		L #	- -
	NTU	06/12/2001	N001	1.75		F #	- -
	NTU	08/21/2001	N001	1.42		F #	- -

## GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS

LOCATION: 0628

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PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Uranium	mg/L	11/21/1993	0001	0.367		F	#	0.001	-
	mg/L	11/21/1993	N001	0.441		F	#	0.001	-
	mg/L	06/03/1994	0001	0.549		F	#	0.001	-
	mg/L	06/03/1994	N001	0.570		F	#	0.001	-
	mg/L	11/03/1994	0001	0.24	I	F	#	0.005	-
	mg/L	11/03/1994	N001	0.277		F	#	0.001	-
	mg/L	10/29/1995	N001	0.501		F	#	0.001	-
	mg/L	06/19/1997	0001	0.380		L	#	-	-
	mg/L	06/11/1998	0001	0.446		L	#	-	-
	mg/L	06/29/1999	0001	0.287		L	#	-	-
	mg/L	11/11/1999	0001	0.356		L	#	-	-
	mg/L	06/21/2000	0001	0.348		L	#	0.001	-
	mg/L	12/06/2000	0001	0.274		L	#	0.0001	-
	mg/L	04/04/2001	0001	0.286	E	JL	#	0.0001	-
	mg/L	06/12/2001	0001	0.309		F	#	0.0001	-
	mg/L	08/21/2001	0001	0.262		F	#	0.0001	-
Uranium-234	pCi/L	04/04/2001	0001	105	*	JL	#	0.4	-
Uranium-238	pCi/L	04/04/2001	0001	111		L	#	1	-
Vanadium	mg/L	11/21/1993	0001	0.01	U	F	#	0.01	-
	mg/L	11/21/1993	N001	0.01	U	F	#	0.01	-
	mg/L	06/03/1994	0001	0.01	U	F	#	0.01	-
	mg/L	06/03/1994	N001	0.01	U	F	#	0.01	-
	mg/L	11/03/1994	0001	0.05	UI	F	#	0.05	-
	mg/L	11/03/1994	N001	0.05	UI	F	#	0.05	-
	mg/L	10/29/1995	0001	0.01	U	F	#	0.01	-
	mg/L	06/19/1997	0001	0.0010	U	L	#	0.001	-
	mg/L	06/11/1998	0001	0.0010	U	L	#	0.001	-
	mg/L	06/29/1999	0001	0.00060	U	L	#	0.0006	-
	mg/L	11/11/1999	0001	0.0010	U	L	#	0.001	-
	mg/L	06/21/2000	0001	0.0013	U	L	#	0.0013	-
	mg/L	12/06/2000	0001	0.0015	U	L	#	0.0015	-
	mg/L	04/04/2001	0001	0.0004	U	L	#	0.0004	-
	mg/L	06/12/2001	0001	0.0003	U	F	#	0.0003	-
	mg/L	08/21/2001	0001	0.00085	B	F	#	0.0003	-
Zinc	mg/L	11/21/1993	0001	0.06		F	#	0.05	-

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LOCATION: 0628  
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PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Zinc	mg/L	11/21/1993	N001	0.095		F	#	0.005	-
	mg/L	06/03/1994	0001	0.13		F	#	0.05	-
	mg/L	06/03/1994	N001	0.21		F	#	0.05	-
	mg/L	11/03/1994	0001	0.25	UI	F	#	0.25	-
	mg/L	11/03/1994	N001	0.28	I	F	#	0.05	-
	mg/L	06/21/2000	0001	0.0127	U	L	#	0.0127	-
	mg/L	12/06/2000	0001	0.0175	B	L	#	0.0102	-
	mg/L	04/04/2001	0001	0.0095	U	L	#	0.0095	-
	mg/L	06/12/2001	0001	0.0541		F	#	0.0073	-
	mg/L	08/21/2001	0001	0.0709		F	#	0.0073	-

RECORDS: SELECTED FROM USEE100 WHERE site\_code='DUR02' AND (NOT (data\_validation\_qualifiers LIKE "R" OR data\_validation\_qualifiers LIKE "X") OR IsNull(data\_validation\_qualifiers)) AND DATE\_SAMPLED <= #8/31/2001#

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LAB QUALIFIERS:

- \* Replicate analysis not within control limits.
- + Correlation coefficient for MSA < 0.995.
- A TIC is a suspected aldol-condensation product.
- B Inorganic: Result is between the IDL and CRDL. Organic: Analyte also found in method blank.
- E Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
- Z Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- H Holding time expired, value suspect.
- I Increased detection limit due to required dilution.
- C Pesticide result confirmed by GC-MS.
- M GFAA duplicate injection precision not met.
- N Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC).
- S Result determined by method of standard addition (MSA).
- U Analytical result below detection limit.
- W Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
- D Analyte determined in diluted sample.
- P > 25% difference in detected pesticide or Arochlor concentrations between 2 columns.
- X Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- Y Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- > Result above upper detection limit.
- J Estimated

DATA QUALIFIERS:

- J Estimated value.
- G Possible grout contamination, pH > 9.
- R Unusable result.
- U Parameter analyzed for but was not detected.
- F Low flow sampling method used.
- L Less than 3 bore volumes purged prior to sampling.
- X Location is undefined.

QA QUALIFIER: # = validated according to Quality Assurance guidelines.

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LOCATION: 0875  
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PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Alkalinity as CaCO3	mg/L	11/29/2000	0001	812		L	#	-	-
	mg/L	11/29/2000	N001	792		L	#	-	-
	mg/L	04/03/2001	0001	1357		L	#	-	-
	mg/L	04/03/2001	N001	1149		L	#	-	-
	mg/L	05/01/2001	0001	1275		L	#	-	-
	mg/L	05/01/2001	N001	1266		L	#	-	-
	mg/L	06/05/2001	0001	1205		L	#	-	-
	mg/L	06/05/2001	N001	1248		L	#	-	-
	mg/L	08/23/2001	0001	1522		L	#	-	-
	mg/L	08/23/2001	N001	1427		L	#	-	-
Ammonium	mg/L	11/29/2000	0001	0.468		L	#	0.0047	-
	mg/L	04/03/2001	0001	0.808		L	#	0.0062	-
	mg/L	05/01/2001	0001	1.200		L	#	0.0062	-
	mg/L	06/05/2001	0001	0.883		L	#	0.0062	-
	mg/L	06/29/2001	0001	1.390			#	0.0062	-
	mg/L	08/23/2001	0001	1.300		L	#	0.0062	-
Antimony	mg/L	11/29/2000	0001	0.00035	B	UL	#	0.0003	-
	mg/L	04/03/2001	0001	0.0014	B	UL	#	0.0003	-
	mg/L	05/01/2001	0001	0.0011	B	UL	#	0.0003	-
	mg/L	06/05/2001	0001	0.0008	U	L	#	0.0008	-
	mg/L	06/29/2001	0001	0.0008	U		#	0.0008	-
	mg/L	08/23/2001	0001	0.00032	B	UL	#	0.0002	-
Arsenic	mg/L	11/29/2000	0001	0.0013	B	L	#	0.0002	-
	mg/L	04/03/2001	0001	0.0034	B	L	#	0.0005	-
	mg/L	05/01/2001	0001	0.0029	B	L	#	0.0005	-
	mg/L	06/05/2001	0001	0.0029	B	L	#	0.0005	-
	mg/L	06/29/2001	0001	0.0012	B		#	0.0005	-
	mg/L	08/23/2001	0001	0.0024	B	L	#	0.0005	-
Cadmium	mg/L	11/29/2000	0001	0.0002	U	L	#	0.0002	-
	mg/L	04/03/2001	0001	0.00024	B	UL	#	0.0002	-
	mg/L	05/01/2001	0001	0.00037	B	UL	#	0.0002	-
	mg/L	06/05/2001	0001	0.0004	U	L	#	0.0004	-
	mg/L	06/29/2001	0001	0.0004	U		#	0.0004	-
	mg/L	08/23/2001	0001	0.0007	B	UL	#	0.0003	-
Calcium	mg/L	11/29/2000	0001	8.990		L	#	0.032	-

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LOCATION: 0875

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PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Calcium	mg/L	04/03/2001	0001	9.630		L	#	0.0642	-
	mg/L	05/01/2001	0001	7.340		L	#	0.0642	-
	mg/L	06/05/2001	0001	9.240		L	#	0.0814	-
	mg/L	06/29/2001	0001	7.860			#	0.0814	-
	mg/L	08/23/2001	0001	8.820		L	#	0.0814	-
Chloride	mg/L	11/29/2000	0001	15.900		L	#	0.024	-
	mg/L	04/03/2001	0001	18.600		L	#	0.0149	-
	mg/L	05/01/2001	0001	27.100		L	#	0.0298	-
	mg/L	06/05/2001	0001	22.200		L	#	0.0298	-
	mg/L	06/29/2001	0001	28.600			#	0.0298	-
	mg/L	08/23/2001	0001	27.100		L	#	0.0298	-
Chromium	mg/L	11/29/2000	0001	0.0059	U	L	#	0.0059	-
	mg/L	04/03/2001	0001	0.0008	U	L	#	0.0008	-
	mg/L	05/01/2001	0001	0.0008	U	L	#	0.0008	-
	mg/L	06/05/2001	0001	0.0008	U	L	#	0.0008	-
	mg/L	06/29/2001	0001	0.0008	U		#	0.0008	-
	mg/L	08/23/2001	0001	0.0008	U	L	#	0.0008	-
Copper	mg/L	11/29/2000	0001	0.0032	B	L	#	0.0025	-
	mg/L	04/03/2001	0001	0.0034	U	L	#	0.0034	-
	mg/L	05/01/2001	0001	0.0034	U	L	#	0.0034	-
	mg/L	06/05/2001	0001	0.0003	U	L	#	0.0003	-
	mg/L	06/29/2001	0001	0.0019	B		#	0.0003	-
	mg/L	08/23/2001	0001	0.0029	B	UL	#	0.0003	-
Gross Alpha	pCi/L	11/29/2000	0001	54.03		JL	#	10.21	± 11.3
	pCi/L	04/03/2001	0001	17.56	U	JL	#	17.56	± 9.64
	pCi/L	05/01/2001	0001	17.27	U	L	#	17.27	± 10.8
	pCi/L	06/05/2001	0001	13.96	U	L	#	13.96	± 7.48
	pCi/L	06/29/2001	0001	22.68	U		#	22.68	± 12.9
	pCi/L	08/23/2001	0001	18.79	U	JL	#	18.79	± 10.6
Gross Beta	pCi/L	11/29/2000	0001	23.73		L	#	8.76	± 6.19
	pCi/L	04/03/2001	0001	19.73	U	L	#	19.73	± 11.5
	pCi/L	05/01/2001	0001	17.11	U	L	#	17.11	± 10.0
	pCi/L	06/05/2001	0001	11.97	U	L	#	11.97	± 6.88
	pCi/L	06/29/2001	0001	23.61	U		#	23.61	± 14.0
	pCi/L	08/23/2001	0001	15.14	U	L	#	15.14	± 8.78

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LOCATION: 0875

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PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Iron	mg/L	11/29/2000	0001	0.521		L	#	0.011	-
	mg/L	04/03/2001	0001	0.036		L	#	0.001	-
	mg/L	05/01/2001	0001	0.342		L	#	0.001	-
	mg/L	06/05/2001	0001	1.710		L	#	0.0008	-
	mg/L	06/29/2001	0001	0.0346			#	0.0008	-
	mg/L	08/23/2001	0001	0.227		L	#	0.0008	-
Lead	mg/L	11/29/2000	0001	0.0001	U	L	#	0.0001	-
	mg/L	04/03/2001	0001	0.00023	B	UL	#	0.0001	-
	mg/L	05/01/2001	0001	0.00011	B	L	#	0.0001	-
	mg/L	06/05/2001	0001	0.0004	B	UL	#	0.0001	-
	mg/L	06/29/2001	0001	0.0001	U		#	0.0001	-
	mg/L	08/23/2001	0001	0.0001	U	L	#	0.0001	-
Lead-210	pCi/L	11/29/2000	0001	1.26	U	L	#	1.26	± 0.71
	pCi/L	04/03/2001	0001	1.23	U	L	#	1.23	± 0.69
	pCi/L	05/01/2001	0001	0.95	U	L	#	0.95	± 0.55
	pCi/L	06/05/2001	0001	1.2	U	L	#	1.2	± 0.68
	pCi/L	06/29/2001	0001	1.04	U		#	1.04	± 0.61
	pCi/L	08/23/2001	0001	1.3	U	L	#	1.3	± 0.74
Magnesium	mg/L	11/29/2000	0001	2.320		L	#	0.0471	-
	mg/L	04/03/2001	0001	3.220		L	#	0.0031	-
	mg/L	05/01/2001	0001	2.960		L	#	0.0031	-
	mg/L	06/05/2001	0001	3.850		L	#	0.0034	-
	mg/L	06/29/2001	0001	3.390			#	0.0034	-
	mg/L	08/23/2001	0001	3.590		L	#	0.0034	-
Manganese	mg/L	11/29/2000	0001	0.490		L	#	0.003	-
	mg/L	04/03/2001	0001	0.440		L	#	0.0001	-
	mg/L	05/01/2001	0001	0.289		L	#	0.0001	-
	mg/L	06/05/2001	0001	0.464		L	#	0.0001	-
	mg/L	06/29/2001	0001	0.310			#	0.0001	-
	mg/L	08/23/2001	0001	0.300		L	#	0.0001	-
Molybdenum	mg/L	11/29/2000	0001	0.0109		L	#	0.0003	-
	mg/L	04/03/2001	0001	0.0155		L	#	0.0004	-
	mg/L	05/01/2001	0001	0.0065	B	L	#	0.0004	-
	mg/L	06/05/2001	0001	0.0054	B	L	#	0.003	-
	mg/L	06/29/2001	0001	0.0041	B		#	0.003	-



## GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS

LOCATION: 0875

REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Molybdenum	mg/L	08/23/2001	0001	0.003	U	L	#	0.003	-
Nitrate as NO3	mg/L	11/29/2000	0001	0.118	B	L	#	0.0314	-
	mg/L	04/03/2001	0001	0.0261	B	L	#	0.0171	-
	mg/L	05/01/2001	0001	0.251	B	L	#	0.0171	-
	mg/L	06/05/2001	0001	0.0427	B	L	#	0.0171	-
	mg/L	06/29/2001	0001	0.091	B		#	0.0171	-
	mg/L	08/23/2001	0001	0.461	B	L	#	0.0305	-
ORP of Zobell Solution	mV	11/29/2000	N001	229		L	#	-	-
	mV	04/03/2001	N001	228		L	#	-	-
	mV	05/01/2001	N001	234		L	#	-	-
	mV	06/05/2001	N001	231		L	#	-	-
	mV	06/29/2001	N001	220			#	-	-
	mV	08/23/2001	N001	235		L	#	-	-
Oxidation Reduction Potent	mV	11/29/2000	N001	-172		L	#	-	-
	mV	04/03/2001	N001	-166		L	#	-	-
	mV	05/01/2001	N001	-144		L	#	-	-
	mV	06/05/2001	N001	-176		L	#	-	-
	mV	06/29/2001	N001	-187			#	-	-
	mV	08/23/2001	N001	-174		L	#	-	-
pH	s.u.	11/29/2000	N001	7.65		L	#	-	-
	s.u.	04/03/2001	N001	7.86		L	#	-	-
	s.u.	05/01/2001	N001	7.64		L	#	-	-
	s.u.	06/05/2001	N001	7.46		L	#	-	-
	s.u.	06/29/2001	N001	7.38			#	-	-
	s.u.	08/23/2001	N001	7.54		L	#	-	-
Polonium-210	pCi/L	11/29/2000	0001	0.11	B	UL	#	0.06	± 0.10
	pCi/L	04/03/2001	0001	0.05	UB	L	#	0.05	± 0.03
	pCi/L	05/01/2001	0001	0.12		L	#	0.07	± 0.05
	pCi/L	06/05/2001	0001	0.23	U	L	#	0.23	± 0.11
	pCi/L	06/29/2001	0001	0.09			#	0.07	± 0.05
	pCi/L	08/23/2001	0001	0.08	U	L	#	0.08	± 0.04
Potassium	mg/L	11/29/2000	0001	2.680		L	#	0.0359	-
	mg/L	04/03/2001	0001	3.560		L	#	0.0091	-
	mg/L	05/01/2001	0001	3.550		L	#	0.0091	-
	mg/L	06/05/2001	0001	3.650		L	#	0.0088	-

## GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS

LOCATION: 0875

REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Potassium	mg/L	06/29/2001	0001	3.830			#	0.0088	-
	mg/L	08/23/2001	0001	3.600		L	#	0.0088	-
Radium-226	pCi/L	11/29/2000	0001	0.28		L	#	0.18	± 0.12
	pCi/L	04/03/2001	0001	0.55		L	#	0.06	± 0.06
	pCi/L	05/01/2001	0001	0.66		L	#	0.22	± 0.19
	pCi/L	06/05/2001	0001	0.7		L	#	0.1	± 0.12
	pCi/L	06/29/2001	0001	0.65			#	0.07	± 0.08
	pCi/L	08/23/2001	0001	0.6		L	#	0.11	± 0.11
Radium-228	pCi/L	11/29/2000	0001	0.86	U	L	#	0.86	± 0.52
	pCi/L	04/03/2001	0001	0.5		L	#	0.43	± 0.26
	pCi/L	05/01/2001	0001	1.37	U	L	#	1.37	± 0.83
	pCi/L	06/05/2001	0001	0.92	U	L	#	0.92	± 0.55
	pCi/L	06/29/2001	0001	1.06			#	0.64	± 0.40
	pCi/L	08/23/2001	0001	1.56		L	#	0.84	± 0.53
Selenium	mg/L	11/29/2000	0001	0.00012	B	L	#	0.0001	-
	mg/L	04/03/2001	0001	0.0003	U	L	#	0.0003	-
	mg/L	05/01/2001	0001	0.0003	U	L	#	0.0003	-
	mg/L	06/05/2001	0001	0.0003	U	L	#	0.0003	-
	mg/L	06/29/2001	0001	0.00031	B		#	0.0003	-
	mg/L	08/23/2001	0001	0.0003	U	L	#	0.0003	-
Sodium	mg/L	11/29/2000	0001	383.000		L	#	0.525	-
	mg/L	04/03/2001	0001	558.000		L	#	0.052	-
	mg/L	05/01/2001	0001	616.000		L	#	0.026	-
	mg/L	06/05/2001	0001	626.000		L	#	0.085	-
	mg/L	06/29/2001	0001	722.000			#	0.085	-
	mg/L	08/23/2001	0001	651.000		L	#	0.085	-
Specific Conductance	umhos/cm	11/29/2000	N001	1147		L	#	-	-
	umhos/cm	04/03/2001	N001	2120		L	#	-	-
	umhos/cm	05/01/2001	N001	2160		L	#	-	-
	umhos/cm	06/05/2001	N001	1820		L	#	-	-
	umhos/cm	06/29/2001	N001	2580			#	-	-
	umhos/cm	08/23/2001	N001	1830		L	#	-	-
Sulfate	mg/L	11/29/2000	0001	17.900		L	#	0.0589	-
	mg/L	04/03/2001	0001	13.200		L	#	0.0253	-
	mg/L	05/01/2001	0001	7.180		L	#	0.0506	-

## GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS

LOCATION: 0875

REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Sulfate	mg/L	06/05/2001	0001	11.500		L	#	0.0506	-
	mg/L	06/29/2001	0001	4.130			#	0.0506	-
	mg/L	08/23/2001	0001	1.920	B	L	#	0.0506	-
Temperature	C	11/29/2000	N001	13.4		L	#	-	-
	C	04/03/2001	N001	15.2		L	#	-	-
	C	05/01/2001	N001	18		L	#	-	-
	C	06/05/2001	N001	16.6		L	#	-	-
	C	06/29/2001	N001	15.6			#	-	-
	C	08/23/2001	N001	16.6		L	#	-	-
Temperature of Zobell Solu	C	11/29/2000	N001	12.2		L	#	-	-
	C	04/03/2001	N001	9.5		L	#	-	-
	C	05/01/2001	N001	16.9		L	#	-	-
	C	06/05/2001	N001	14.5		L	#	-	-
	C	06/29/2001	N001	18.4			#	-	-
	C	08/23/2001	N001	13.5		L	#	-	-
Thallium	mg/L	11/29/2000	0001	0.0001	U	L	#	0.0001	-
	mg/L	04/03/2001	0001	0.00032	B	UL	#	0.0001	-
	mg/L	05/01/2001	0001	0.0001	U	L	#	0.0001	-
	mg/L	06/05/2001	0001	0.00018	BE	UJL	#	-	-
	mg/L	06/29/2001	0001	0.0001	U		#	-	-
	mg/L	08/23/2001	0001	0.0001	U	L	#	0.0001	-
Thorium-230	pCi/L	11/29/2000	0001	1.7	U	L	#	1.72	-
	pCi/L	04/03/2001	0001	0.92	U	L	#	0.92	-
	pCi/L	05/01/2001	0001	0.92	U	L	#	0.92	-
	pCi/L	06/05/2001	0001	1.5	U	L	#	1.48	-
	pCi/L	06/29/2001	0001	1.5	U		#	1.48	-
	pCi/L	08/23/2001	0001	1.5	U	L	#	1.48	-
Total Dissolved Solids	mg/L	11/29/2000	0001	1010		L	#	10	-
	mg/L	04/03/2001	0001	1390		L	#	10	-
	mg/L	05/01/2001	0001	1580		JL	#	10	-
	mg/L	06/05/2001	0001	1560		L	#	10	-
	mg/L	06/29/2001	0001	1680			#	10	-
	mg/L	08/23/2001	0001	1670		L	#	10	-
Turbidity	NTU	11/29/2000	N001	99.7		L	#	-	-
	NTU	04/03/2001	N001	116		L	#	-	-

## GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS

LOCATION: 0875

REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Turbidity	NTU	05/01/2001	N001	22.9		L	#	-	-
	NTU	06/05/2001	N001	20.8		L	#	-	-
	NTU	06/29/2001	N001	55.7			#	-	-
	NTU	08/23/2001	N001	33		L	#	-	-
Uranium	mg/L	11/29/2000	0001	0.0321		L	#	0.0001	-
	mg/L	04/03/2001	0001	0.0055		L	#	0.0001	-
	mg/L	05/01/2001	0001	0.0031		L	#	0.0001	-
	mg/L	06/05/2001	0001	0.0032		L	#	0.0001	-
	mg/L	06/29/2001	0001	0.0021			#	0.0001	-
	mg/L	08/23/2001	0001	0.0016		L	#	0.0001	-
Uranium-234	pCi/L	04/03/2001	0001	2.5		L	#	0.4	-
	pCi/L	05/01/2001	0001	2.4		UL	#	0.4	-
Uranium-238	pCi/L	04/03/2001	0001	2.6		L	#	0.1	-
	pCi/L	05/01/2001	0001	1.2	B	L	#	0.1	-
Vanadium	mg/L	11/29/2000	0001	0.0015	U	L	#	0.0015	-
	mg/L	04/03/2001	0001	0.0004	U	L	#	0.0004	-
	mg/L	05/01/2001	0001	0.00056	B	L	#	0.0004	-
	mg/L	06/05/2001	0001	0.0003	U	L	#	0.0003	-
	mg/L	06/29/2001	0001	0.0003	U		#	0.0003	-
	mg/L	08/23/2001	0001	0.0003	U	L	#	0.0003	-
Zinc	mg/L	11/29/2000	0001	0.010	U	L	#	0.0102	-
	mg/L	04/03/2001	0001	0.0416	B	L	#	0.0095	-
	mg/L	05/01/2001	0001	0.0249	B	L	#	0.0095	-
	mg/L	06/05/2001	0001	0.027	B	L	#	0.0073	-
	mg/L	06/29/2001	0001	0.0167	B		#	0.0073	-
	mg/L	08/23/2001	0001	0.0176	B	L	#	0.0073	-

GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS  
LOCATION: 0875  
REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		

RECORDS: SELECTED FROM USEE100 WHERE site\_code='DUR02' AND (NOT (data\_validation\_qualifiers LIKE "R" OR data\_validation\_qualifiers LIKE "X") OR IsNull(data\_validation\_qualifiers)) AND DATE\_SAMPLED <= #8/31/2001#

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LAB QUALIFIERS:

- \* Replicate analysis not within control limits.
- + Correlation coefficient for MSA < 0.995.
- A TIC is a suspected aldol-condensation product.
- B Inorganic: Result is between the IDL and CRDL. Organic: Analyte also found in method blank.
- E Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
- Z Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- H Holding time expired, value suspect.
- I Increased detection limit due to required dilution.
- C Pesticide result confirmed by GC-MS.
- M GFAA duplicate injection precision not met.
- N Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC).
- S Result determined by method of standard addition (MSA).
- U Analytical result below detection limit.
- W Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
- D Analyte determined in diluted sample.
- P > 25% difference in detected pesticide or Arochlor concentrations between 2 columns.
- X Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- Y Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- > Result above upper detection limit.
- J Estimated

DATA QUALIFIERS:

- J Estimated value.
- G Possible grout contamination, pH > 9.
- R Unusable result.
- U Parameter analyzed for but was not detected.
- F Low flow sampling method used.
- L Less than 3 bore volumes purged prior to sampling.
- X Location is undefined.

QA QUALIFIER: # = validated according to Quality Assurance guidelines.

## GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS

LOCATION: 0876

REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Alkalinity as CaCO3	mg/L	12/05/2000	0001	424		L	#	-	-
	mg/L	12/05/2000	N001	517		L	#	-	-
	mg/L	04/05/2001	0001	582		L	#	-	-
	mg/L	04/05/2001	N001	689		L	#	-	-
	mg/L	06/12/2001	0001	700		L	#	-	-
	mg/L	06/12/2001	N001	738		L	#	-	-
	mg/L	08/21/2001	0001	720		L	#	-	-
	mg/L	08/21/2001	N001	754		L	#	-	-
Ammonium	mg/L	12/05/2000	0001	1.480		L	#	0.0047	-
	mg/L	04/05/2001	0001	3.180		L	#	0.0062	-
	mg/L	06/12/2001	0001	3.390		L	#	0.0062	-
	mg/L	08/21/2001	0001	3.720		L	#	0.0062	-
Antimony	mg/L	12/05/2000	0001	0.0022	B	L	#	0.0003	-
	mg/L	04/05/2001	0001	0.0022	B	UL	#	0.0003	-
	mg/L	06/12/2001	0001	0.0008	U	L	#	0.0008	-
	mg/L	08/21/2001	0001	0.00069	B	UL	#	0.0002	-
Arsenic	mg/L	12/05/2000	0001	0.00063	B	L	#	0.0002	-
	mg/L	04/05/2001	0001	0.0005	U	L	#	0.0005	-
	mg/L	06/12/2001	0001	0.0005	U	L	#	0.0005	-
	mg/L	08/21/2001	0001	0.0005	U	L	#	0.0005	-
Cadmium	mg/L	12/05/2000	0001	0.0002	U	L	#	0.0002	-
	mg/L	04/05/2001	0001	0.0002	U	L	#	0.0002	-
	mg/L	06/12/2001	0001	0.0004	U	L	#	0.0004	-
	mg/L	08/21/2001	0001	0.0007	B	UL	#	0.0003	-
Calcium	mg/L	12/05/2000	0001	212.000		L	#	0.032	-
	mg/L	04/05/2001	0001	320.000		L	#	0.0642	-
	mg/L	06/12/2001	0001	412.000		L	#	0.0814	-
	mg/L	08/21/2001	0001	387.000		L	#	0.0814	-
Chloride	mg/L	12/05/2000	0001	202.000		L	#	0.096	-
	mg/L	04/05/2001	0001	541.000		L	#	0.149	-
	mg/L	06/12/2001	0001	574.000		L	#	0.0745	-
	mg/L	08/21/2001	0001	601.000		L	#	0.0745	-
Chromium	mg/L	12/05/2000	0001	0.0059	U	L	#	0.0059	-
	mg/L	04/05/2001	0001	0.0008	U	L	#	0.0008	-

## GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS

LOCATION: 0876

REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Chromium	mg/L	06/12/2001	0001	0.0008	U	L	#	0.0008	-
	mg/L	08/21/2001	0001	0.0008	U	L	#	0.0008	-
Copper	mg/L	12/05/2000	0001	0.0025	U	L	#	0.0025	-
	mg/L	04/05/2001	0001	0.0034	U	L	#	0.0034	-
	mg/L	06/12/2001	0001	0.003	B	UL	#	0.0003	-
	mg/L	08/21/2001	0001	0.0014	B	L	#	0.0003	-
Gross Alpha	pCi/L	12/05/2000	0001	22.08	U	JL	#	22.08	± 11.2
	pCi/L	04/05/2001	0001	38.81	U	JL	#	38.81	± 19.8
	pCi/L	06/12/2001	0001	43.26	U	L	#	43.26	± 20.2
	pCi/L	08/21/2001	0001	34.47	U	L	#	34.47	± 17.9
Gross Beta	pCi/L	12/05/2000	0001	19.73	U	L	#	19.73	± 12.0
	pCi/L	04/05/2001	0001	42.31	U	L	#	42.31	± 24.0
	pCi/L	06/12/2001	0001	42.2	U	L	#	42.2	± 24.4
	pCi/L	08/21/2001	0001	33.35	U	L	#	33.35	± 19.4
Iron	mg/L	12/05/2000	0001	0.116		L	#	0.011	-
	mg/L	04/05/2001	0001	0.193		L	#	0.001	-
	mg/L	06/12/2001	0001	1.380	E	JL	#	0.0008	-
	mg/L	08/21/2001	0001	0.208		L	#	0.0008	-
Lead	mg/L	12/05/2000	0001	0.0001	U	L	#	0.0001	-
	mg/L	04/05/2001	0001	0.0002	B	UL	#	0.0001	-
	mg/L	06/12/2001	0001	0.0001	U	L	#	0.0001	-
	mg/L	08/21/2001	0001	0.0001	U	L	#	0.0001	-
Lead-210	pCi/L	12/05/2000	0001	1.27	U	L	#	1.27	± 0.74
	pCi/L	04/05/2001	0001	1.33	U	L	#	1.33	± 0.77
	pCi/L	06/12/2001	0001	1.19	U	L	#	1.19	± 0.69
	pCi/L	08/21/2001	0001	1.4	U	L	#	1.4	± 0.84
Magnesium	mg/L	12/05/2000	0001	145.000		L	#	0.0471	-
	mg/L	04/05/2001	0001	230.000		L	#	0.0031	-
	mg/L	06/12/2001	0001	302.000		L	#	0.0034	-
	mg/L	08/21/2001	0001	278.000		L	#	0.0034	-
Manganese	mg/L	12/05/2000	0001	0.278		L	#	0.003	-
	mg/L	04/05/2001	0001	0.147		L	#	0.0001	-
	mg/L	06/12/2001	0001	0.110		L	#	0.0001	-
	mg/L	08/21/2001	0001	0.114		L	#	0.0001	-

## GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS

LOCATION: 0876

REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE: DATE	ID	RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
					LAB	DATA	QA		
Molybdenum	mg/L	12/05/2000	0001	0.0333		L	#	0.0003	-
	mg/L	04/05/2001	0001	0.0074	B	L	#	0.0004	-
	mg/L	06/12/2001	0001	0.003	U	L	#	0.003	-
	mg/L	08/21/2001	0001	0.003	U	L	#	0.003	-
Nitrate as NO3	mg/L	12/05/2000	0001	0.0684	B	L	#	0.0314	-
	mg/L	04/05/2001	0001	0.387	B	L	#	0.0171	-
	mg/L	06/12/2001	0001	0.0391	B	L	#	0.0171	-
	mg/L	08/21/2001	0001	0.306	B	L	#	0.0305	-
ORP of Zobell Solution	mV	12/05/2000	N001	228		L	#	-	-
	mV	04/05/2001	N001	239		L	#	-	-
	mV	06/12/2001	N001	227		L	#	-	-
	mV	08/21/2001	N001	239		L	#	-	-
Oxidation Reduction Potent	mV	12/05/2000	N001	-238		L	#	-	-
	mV	04/05/2001	N001	-65		L	#	-	-
	mV	06/12/2001	N001	-95		L	#	-	-
	mV	08/21/2001	N001	-21		L	#	-	-
pH	s.u.	12/05/2000	N001	8.01		L	#	-	-
	s.u.	04/05/2001	N001	7.09		L	#	-	-
	s.u.	06/12/2001	N001	6.69		L	#	-	-
	s.u.	08/21/2001	N001	6.79		L	#	-	-
Polonium-210	pCi/L	12/05/2000	0001	0.06	U	L	#	0.06	± 0.08
	pCi/L	04/05/2001	0001	0.1		L	#	0.07	± 0.05
	pCi/L	06/12/2001	0001	0.05		L	#	0.04	± 0.03
	pCi/L	08/21/2001	0001	0.08		L	#	0.07	± 0.05
Potassium	mg/L	12/05/2000	0001	15.200		L	#	0.0359	-
	mg/L	04/05/2001	0001	13.300		L	#	0.0091	-
	mg/L	06/12/2001	0001	12.700		L	#	0.0088	-
	mg/L	08/21/2001	0001	12.400		L	#	0.0088	-
Radium-226	pCi/L	12/05/2000	0001	0.17	U	L	#	0.17	± 0.11
	pCi/L	04/05/2001	0001	0.12	U	L	#	0.12	± 0.07
	pCi/L	06/12/2001	0001	0.12		L	#	0.1	± 0.06
	pCi/L	08/21/2001	0001	0.12		L	#	0.11	± 0.07
Radium-228	pCi/L	12/05/2000	0001	0.92	U	L	#	0.92	± 0.54
	pCi/L	04/05/2001	0001	0.81	U	L	#	0.81	± 0.47



## GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS

LOCATION: 0876

REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Radium-228	pCi/L	06/12/2001	0001	0.81	U	L	#	0.81	± 0.47
	pCi/L	08/21/2001	0001	0.86	U	L	#	0.86	± 0.51
Selenium	mg/L	12/05/2000	0001	0.00015	B	L	#	0.0001	-
	mg/L	04/05/2001	0001	0.0003	U	L	#	0.0003	-
	mg/L	06/12/2001	0001	0.0003	U	L	#	0.0003	-
	mg/L	08/21/2001	0001	0.0003	U	L	#	0.0003	-
Sodium	mg/L	12/05/2000	0001	490.000		L	#	0.525	-
	mg/L	04/05/2001	0001	767.000		L	#	0.052	-
	mg/L	06/12/2001	0001	677.000	E	JL	#	0.085	-
	mg/L	08/21/2001	0001	616.000		L	#	0.085	-
Specific Conductance	umhos/cm	12/05/2000	N001	3840		L	#	-	-
	umhos/cm	04/05/2001	N001	6160		L	#	-	-
	umhos/cm	06/12/2001	N001	5620		L	#	-	-
	umhos/cm	08/21/2001	N001	5490		L	#	-	-
Sulfate	mg/L	12/05/2000	0001	962.000		L	#	0.2356	-
	mg/L	04/05/2001	0001	1970.000		L	#	0.1265	-
	mg/L	06/12/2001	0001	2070.000		L	#	0.1265	-
	mg/L	08/21/2001	0001	1970.000		L	#	0.1265	-
Temperature	C	12/05/2000	N001	13.1		L	#	-	-
	C	04/05/2001	N001	11.2		L	#	-	-
	C	06/12/2001	N001	15.2		L	#	-	-
	C	08/21/2001	N001	17.5		L	#	-	-
Temperature of Zobell Solu	C	12/05/2000	N001	8.9		L	#	-	-
	C	04/05/2001	N001	9.6		L	#	-	-
	C	06/12/2001	N001	15.8		L	#	-	-
	C	08/21/2001	N001	11.1		L	#	-	-
Thallium	mg/L	12/05/2000	0001	0.0001	U	L	#	0.0001	-
	mg/L	04/05/2001	0001	0.0001	B	UL	#	0.0001	-
	mg/L	06/12/2001	0001	0.00017	BE	UJL	#	-	-
	mg/L	08/21/2001	0001	0.0001	U	L	#	0.0001	-
Thorium-230	pCi/L	12/05/2000	0001	1.7	U	L	#	1.72	-
	pCi/L	04/05/2001	0001	0.92	U	L	#	0.92	-
	pCi/L	06/12/2001	0001	1.5	U	L	#	1.48	-
	pCi/L	08/21/2001	0001	1.5	U	L	#	1.48	-

GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS  
LOCATION: 0876  
REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Total Dissolved Solids	mg/L	12/05/2000	0001	1630		L	#	10	-
	mg/L	04/05/2001	0001	4610		L	#	10	-
	mg/L	06/12/2001	0001	4910		L	#	10	-
	mg/L	08/21/2001	0001	4690		L	#	10	-
Turbidity	NTU	12/05/2000	N001	1000	>	L	#	-	-
	NTU	04/05/2001	N001	1000	>	L	#	-	-
	NTU	06/12/2001	N001	45.7		L	#	-	-
	NTU	08/21/2001	N001	1000	>	L	#	-	-
Uranium	mg/L	12/05/2000	0001	0.0024		L	#	0.0001	-
	mg/L	04/05/2001	0001	0.001		UL	#	0.0001	-
	mg/L	06/12/2001	0001	0.00019	B	L	#	0.0001	-
	mg/L	08/21/2001	0001	0.00036	B	L	#	0.0001	-
Uranium-234	pCi/L	04/05/2001	0001	1.8		UJL	#	0.4	-
Uranium-238	pCi/L	04/05/2001	0001	0.33	B	L	#	0.1	-
Vanadium	mg/L	12/05/2000	0001	0.0015	U	L	#	0.0015	-
	mg/L	04/05/2001	0001	0.0004	U	L	#	0.0004	-
	mg/L	06/12/2001	0001	0.0003	U	L	#	0.0003	-
	mg/L	08/21/2001	0001	0.0006	B	UL	#	0.0003	-
Zinc	mg/L	12/05/2000	0001	0.0113	B	L	#	0.0102	-
	mg/L	04/05/2001	0001	0.0095	U	L	#	0.0095	-
	mg/L	06/12/2001	0001	0.0087	B	L	#	0.0073	-
	mg/L	08/21/2001	0001	0.0073	U	L	#	0.0073	-

GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS  
LOCATION: 0876  
REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		

RECORDS: SELECTED FROM USEE100 WHERE site\_code='DUR02' AND (NOT (data\_validation\_qualifiers LIKE "R" OR data\_validation\_qualifiers LIKE "X") OR IsNull(data\_validation\_qualifiers)) AND DATE\_SAMPLED <= #8/31/2001#

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LAB QUALIFIERS:

- \* Replicate analysis not within control limits.
- + Correlation coefficient for MSA < 0.995.
- A TIC is a suspected aldol-condensation product.
- B Inorganic: Result is between the IDL and CRDL. Organic: Analyte also found in method blank.
- E Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
- Z Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- H Holding time expired, value suspect.
- I Increased detection limit due to required dilution.
- C Pesticide result confirmed by GC-MS.
- M GFAA duplicate injection precision not met.
- N Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC).
- S Result determined by method of standard addition (MSA).
- U Analytical result below detection limit.
- W Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
- D Analyte determined in diluted sample.
- P > 25% difference in detected pesticide or Arochlor concentrations between 2 columns.
- X Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- Y Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- > Result above upper detection limit.
- J Estimated

DATA QUALIFIERS:

- J Estimated value.
- G Possible grout contamination, pH > 9.
- R Unusable result.
- U Parameter analyzed for but was not detected.
- F Low flow sampling method used.
- L Less than 3 bore volumes purged prior to sampling.
- X Location is undefined.

QA QUALIFIER: # = validated according to Quality Assurance guidelines.

## GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS

LOCATION: 0878

REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Alkalinity as CaCO <sub>3</sub>	mg/L	12/05/2000	0001	722				#	-
	mg/L	12/05/2000	N001	732				#	-
	mg/L	04/04/2001	0001	698				#	-
	mg/L	04/04/2001	N001	712				#	-
	mg/L	06/12/2001	0001	702		F		#	-
	mg/L	06/12/2001	N001	710		F		#	-
	mg/L	08/22/2001	0001	742				#	-
	mg/L	08/22/2001	N001	741				#	-
Ammonium	mg/L	12/05/2000	0001	1.760				#	0.0047
	mg/L	04/04/2001	0001	2.370				#	0.0062
	mg/L	06/12/2001	0001	1.550		F		#	0.0062
	mg/L	08/22/2001	0001	1.960				#	0.0062
Antimony	mg/L	12/05/2000	0001	0.0003	U			#	0.0003
	mg/L	04/04/2001	0001	0.00089	B	U		#	0.0003
	mg/L	06/12/2001	0001	0.0008	U	F		#	0.0008
	mg/L	08/22/2001	0001	0.00024	B	U		#	0.0002
Arsenic	mg/L	12/05/2000	0001	0.0002	U			#	0.0002
	mg/L	04/04/2001	0001	0.0005	U			#	0.0005
	mg/L	06/12/2001	0001	0.0005	U	F		#	0.0005
	mg/L	08/22/2001	0001	0.0005	U			#	0.0005
Cadmium	mg/L	12/05/2000	0001	0.0002	U			#	0.0002
	mg/L	04/04/2001	0001	0.0002	U			#	0.0002
	mg/L	06/12/2001	0001	0.0004	U	F		#	0.0004
	mg/L	08/22/2001	0001	0.00068	B			#	0.0003
Calcium	mg/L	12/05/2000	0001	462.000				#	0.032
	mg/L	04/04/2001	0001	300.000				#	0.0642
	mg/L	06/12/2001	0001	273.000		F		#	0.0814
	mg/L	08/22/2001	0001	349.000				#	0.0814
Chloride	mg/L	12/05/2000	0001	70.600				#	0.6
	mg/L	04/04/2001	0001	448.000				#	0.149
	mg/L	06/12/2001	0001	443.000		F		#	0.0745
	mg/L	08/22/2001	0001	431.000				#	0.0745
Chromium	mg/L	12/05/2000	0001	0.0059	U			#	0.0059
	mg/L	04/04/2001	0001	0.0008	U			#	0.0008

## GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS

LOCATION: 0878

REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE: DATE	ID	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
Chromium	mg/L	06/12/2001	0001	0.0008	U F #	0.0008	-
	mg/L	08/22/2001	0001	0.0008	U #	0.0008	-
Copper	mg/L	12/05/2000	0001	0.0025	U #	0.0025	-
	mg/L	04/04/2001	0001	0.0034	U #	0.0034	-
	mg/L	06/12/2001	0001	0.0025	B UF #	0.0003	-
	mg/L	08/22/2001	0001	0.0003	U #	0.0003	-
Gross Alpha	pCi/L	12/05/2000	0001	54.35	U J #	54.35	± 27.2
	pCi/L	04/04/2001	0001	44.48	U J #	44.48	± 22.7
	pCi/L	06/12/2001	0001	41.94	U F #	41.94	± 22.1
	pCi/L	08/22/2001	0001	38.23	U #	38.23	± 19.2
Gross Beta	pCi/L	12/05/2000	0001	49.27	U #	49.27	± 27.8
	pCi/L	04/04/2001	0001	49.31	U #	49.31	± 27.3
	pCi/L	06/12/2001	0001	42.2	U F #	42.2	± 24.7
	pCi/L	08/22/2001	0001	38.76	U #	38.76	± 22.3
Iron	mg/L	12/05/2000	0001	0.235	#	0.011	-
	mg/L	04/04/2001	0001	0.0212	B #	0.001	-
	mg/L	06/12/2001	0001	0.010	BE JF #	0.0008	-
	mg/L	08/22/2001	0001	0.021	B #	0.0008	-
Lead	mg/L	12/05/2000	0001	0.0001	U #	0.0001	-
	mg/L	04/04/2001	0001	0.00018	B U #	0.0001	-
	mg/L	06/12/2001	0001	0.0001	U F #	0.0001	-
	mg/L	08/22/2001	0001	0.0001	U #	0.0001	-
Lead-210	pCi/L	12/05/2000	0001	1.33	U #	1.33	± 0.77
	pCi/L	04/04/2001	0001	1.35	U #	1.35	± 0.77
	pCi/L	06/12/2001	0001	1.5	U F #	1.5	± 0.85
	pCi/L	08/22/2001	0001	1.44	U #	1.44	± 0.85
Magnesium	mg/L	12/05/2000	0001	455.000	#	0.0471	-
	mg/L	04/04/2001	0001	302.000	#	0.0031	-
	mg/L	06/12/2001	0001	275.000	F #	0.0034	-
	mg/L	08/22/2001	0001	316.000	#	0.0034	-
Manganese	mg/L	12/05/2000	0001	0.0363	#	0.003	-
	mg/L	04/04/2001	0001	0.0228	#	0.0001	-
	mg/L	06/12/2001	0001	0.0136	F #	0.0001	-
	mg/L	08/22/2001	0001	0.0112	#	0.0001	-

## GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS

LOCATION: 0878

REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE: DATE	ID	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
Molybdenum	mg/L	12/05/2000	0001	0.00069	B	# 0.0003	-
	mg/L	04/04/2001	0001	0.0004	U	# 0.0004	-
	mg/L	06/12/2001	0001	0.003	U F	# 0.003	-
	mg/L	08/22/2001	0001	0.003	U	# 0.003	-
Nitrate as NO3	mg/L	12/05/2000	0001	0.0314	U	# 0.0314	-
	mg/L	04/04/2001	0001	0.458	B	# 0.0171	-
	mg/L	06/12/2001	0001	0.0885	B F	# 0.0171	-
	mg/L	08/22/2001	0001	0.0305	U	# 0.0305	-
ORP of Zobell Solution	mV	12/05/2000	N001	232		# -	-
	mV	04/04/2001	N001	229		# -	-
	mV	06/12/2001	N001	233	F	# -	-
	mV	08/22/2001	N001	227		# -	-
Oxidation Reduction Potent	mV	12/05/2000	N001	-283		# -	-
	mV	04/04/2001	N001	-362		# -	-
	mV	06/12/2001	N001	-322	F	# -	-
	mV	08/22/2001	N001	-274		# -	-
pH	s.u.	12/05/2000	N001	7.22		# -	-
	s.u.	04/04/2001	N001	7.22		# -	-
	s.u.	06/12/2001	N001	7.31	F	# -	-
	s.u.	08/22/2001	N001	7.3		# -	-
Polonium-210	pCi/L	12/05/2000	0001	0.06	U	# 0.06	± 0.06
	pCi/L	04/04/2001	0001	0.06	U	# 0.06	± 0.04
	pCi/L	06/12/2001	0001	0.12	U F	# 0.12	± 0.06
	pCi/L	08/22/2001	0001	0.05	U	# 0.05	± 0.03
Potassium	mg/L	12/05/2000	0001	14.800		# 0.0359	-
	mg/L	04/04/2001	0001	12.300		# 0.0091	-
	mg/L	06/12/2001	0001	11.200	F	# 0.0088	-
	mg/L	08/22/2001	0001	11.500		# 0.0088	-
Radium-226	pCi/L	12/05/2000	0001	0.13	U	# 0.13	± 0.08
	pCi/L	04/04/2001	0001	0.11	U	# 0.11	± 0.07
	pCi/L	06/12/2001	0001	0.1	U F	# 0.1	± 0.07
	pCi/L	08/22/2001	0001	0.15		# 0.12	± 0.08
Radium-228	pCi/L	12/05/2000	0001	0.62	U	# 0.62	± 0.37
	pCi/L	04/04/2001	0001	0.76	U	# 0.76	± 0.45

## GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS

LOCATION: 0878

REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE: DATE	ID	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
Radium-228	pCi/L	06/12/2001	0001	0.83	U F	# 0.83	± 0.48
	pCi/L	08/22/2001	0001	1	U	# 1	± 0.59
Selenium	mg/L	12/05/2000	0001	0.0001	U	# 0.0001	-
	mg/L	04/04/2001	0001	0.0003	U	# 0.0003	-
	mg/L	06/12/2001	0001	0.0003	U F	# 0.0003	-
	mg/L	08/22/2001	0001	0.0003	U	# 0.0003	-
Sodium	mg/L	12/05/2000	0001	789.000		# 52.5	-
	mg/L	04/04/2001	0001	877.000		# 0.052	-
	mg/L	06/12/2001	0001	745.000	E JF	# 0.085	-
	mg/L	08/22/2001	0001	728.000		# 0.085	-
Specific Conductance	umhos/cm	12/05/2000	N001	7040		# -	-
	umhos/cm	04/04/2001	N001	5540		# -	-
	umhos/cm	06/12/2001	N001	5520	F	# -	-
	umhos/cm	08/22/2001	N001	5400		# -	-
Sulfate	mg/L	12/05/2000	0001	3150.000		# 1.4725	-
	mg/L	04/04/2001	0001	2500.000		# 0.1265	-
	mg/L	06/12/2001	0001	1930.000	F	# 0.1265	-
	mg/L	08/22/2001	0001	2480.000		# 0.1265	-
Temperature	C	12/05/2000	N001	12.2		# -	-
	C	04/04/2001	N001	12.9		# -	-
	C	06/12/2001	N001	13.9	F	# -	-
	C	08/22/2001	N001	16.9		# -	-
Temperature of Zobell Solu	C	12/05/2000	N001	8.4		# -	-
	C	04/04/2001	N001	14		# -	-
	C	06/12/2001	N001	11.7	F	# -	-
	C	08/22/2001	N001	17.2		# -	-
Thallium	mg/L	12/05/2000	0001	0.0001	U	# 0.0001	-
	mg/L	04/04/2001	0001	0.0001	U	# 0.0001	-
	mg/L	06/12/2001	0001	0.00016	BE UJF	# -	-
	mg/L	08/22/2001	0001	0.0001	U	# 0.0001	-
Thorium-230	pCi/L	12/05/2000	0001	1.7	U	# 1.72	-
	pCi/L	04/04/2001	0001	0.92	U	# 0.92	-
	pCi/L	06/12/2001	0001	1.5	U F	# 1.48	-
	pCi/L	08/22/2001	0001	7	U	# 1.48	-

## GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS

LOCATION: 0878

REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE: DATE	ID	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
Total Dissolved Solids	mg/L	12/05/2000	0001	6380		# 10	-
	mg/L	04/04/2001	0001	5620		# 10	-
	mg/L	06/12/2001	0001	5520	F	# 10	-
	mg/L	08/22/2001	0001	5280		# 10	-
Turbidity	NTU	12/05/2000	N001	1000	>	# -	-
	NTU	04/04/2001	N001	2.44		# -	-
	NTU	06/12/2001	N001	2.23	F	# -	-
	NTU	08/22/2001	N001	1.36		# -	-
Uranium	mg/L	12/05/2000	0001	0.00058	B U	# 0.0001	-
	mg/L	04/04/2001	0001	0.00048	BE UJ	# 0.0001	-
	mg/L	06/12/2001	0001	0.0001	U F	# 0.0001	-
	mg/L	08/22/2001	0001	0.00014	B	# 0.0001	-
Uranium-234	pCi/L	04/04/2001	0001	0.4	U* J	# 0.4	-
Uranium-238	pCi/L	04/04/2001	0001	0.1	U	# 0.1	-
Vanadium	mg/L	12/05/2000	0001	0.0015	B	# 0.0015	-
	mg/L	04/04/2001	0001	0.0004	U	# 0.0004	-
	mg/L	06/12/2001	0001	0.0003	U F	# 0.0003	-
	mg/L	08/22/2001	0001	0.00054	B	# 0.0003	-
Zinc	mg/L	12/05/2000	0001	0.010	U	# 0.0102	-
	mg/L	04/04/2001	0001	0.0095	U	# 0.0095	-
	mg/L	06/12/2001	0001	0.0073	U F	# 0.0073	-
	mg/L	08/22/2001	0001	0.0073	U	# 0.0073	-



## GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS

LOCATION: 0878

REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		

RECORDS: SELECTED FROM USEE100 WHERE site\_code='DUR02' AND (NOT (data\_validation\_qualifiers LIKE "R" OR data\_validation\_qualifiers LIKE "X") OR IsNull(data\_validation\_qualifiers)) AND DATE\_SAMPLED <= #8/31/2001#

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

## LAB QUALIFIERS:

- \* Replicate analysis not within control limits.
- + Correlation coefficient for MSA < 0.995.
- A TIC is a suspected aldol-condensation product.
- B Inorganic: Result is between the IDL and CRDL. Organic: Analyte also found in method blank.
- E Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
- Z Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- H Holding time expired, value suspect.
- I Increased detection limit due to required dilution.
- C Pesticide result confirmed by GC-MS.
- M GFAA duplicate injection precision not met.
- N Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC).
- S Result determined by method of standard addition (MSA).
- U Analytical result below detection limit.
- W Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
- D Analyte determined in diluted sample.
- P > 25% difference in detected pesticide or Arochlor concentrations between 2 columns.
- X Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- Y Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- > Result above upper detection limit.
- J Estimated

## DATA QUALIFIERS:

- |   |  |   |  |
|---|--|---|--|
| J | Estimated value.                             | F | Low flow sampling method used.                     |
| G | Possible grout contamination, pH > 9.        | L | Less than 3 bore volumes purged prior to sampling. |
| R | Unusable result.                             | X | Location is undefined.                             |
| U | Parameter analyzed for but was not detected. |   |  |

QA QUALIFIER: # = validated according to Quality Assurance guidelines.

GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS  
LOCATION: 0879  
REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Alkalinity as CaCO3	mg/L	12/05/2000	0001	382		L	#	-	-
	mg/L	12/05/2000	N001	376		L	#	-	-
	mg/L	03/28/2001	0001	288		L	#	-	-
	mg/L	03/28/2001	N001	301		L	#	-	-
	mg/L	06/12/2001	0001	209		F	#	-	-
	mg/L	06/12/2001	N001	207		F	#	-	-
	mg/L	08/21/2001	0001	255		F	#	-	-
	mg/L	08/21/2001	N001	262		F	#	-	-
Ammonium	mg/L	12/05/2000	0001	4.510		L	#	0.0047	-
	mg/L	03/28/2001	0001	3.690		L	#	0.0062	-
	mg/L	06/12/2001	0001	1.300		F	#	0.0062	-
	mg/L	08/21/2001	0001	1.380		F	#	0.0062	-
Antimony	mg/L	12/05/2000	0001	0.00088	B	UL	#	0.0003	-
	mg/L	03/28/2001	0001	0.00046	B	UL	#	0.0003	-
	mg/L	06/12/2001	0001	0.0008	U	F	#	0.0008	-
	mg/L	08/21/2001	0001	0.00026	B	UF	#	0.0002	-
Arsenic	mg/L	12/05/2000	0001	0.0002	U	L	#	0.0002	-
	mg/L	03/28/2001	0001	0.0005	U	L	#	0.0005	-
	mg/L	06/12/2001	0001	0.0005	U	F	#	0.0005	-
	mg/L	08/21/2001	0001	0.0005	U	F	#	0.0005	-
Cadmium	mg/L	12/05/2000	0001	0.0002	U	L	#	0.0002	-
	mg/L	03/28/2001	0001	0.00075	B	L	#	0.0002	-
	mg/L	06/12/2001	0001	0.0037		F	#	0.0004	-
	mg/L	08/21/2001	0001	0.0041		F	#	0.0003	-
Calcium	mg/L	12/05/2000	0001	454.000		L	#	0.032	-
	mg/L	03/28/2001	0001	439.000		L	#	0.0642	-
	mg/L	06/12/2001	0001	409.000		F	#	0.0814	-
	mg/L	08/21/2001	0001	404.000		F	#	0.0814	-
Chloride	mg/L	12/05/2000	0001	742.000		L	#	0.6	-
	mg/L	03/28/2001	0001	516.000		L	#	0.0745	-
	mg/L	06/12/2001	0001	265.000		F	#	0.149	-
	mg/L	08/21/2001	0001	354.000		F	#	0.0745	-
Chromium	mg/L	12/05/2000	0001	0.0059	U	L	#	0.0059	-
	mg/L	03/28/2001	0001	0.0008	U	L	#	0.0008	-

GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS  
LOCATION: 0879  
REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Chromium	mg/L	06/12/2001	0001	0.0008	U	F	#	0.0008	-
	mg/L	08/21/2001	0001	0.0008	U	F	#	0.0008	-
Copper	mg/L	12/05/2000	0001	0.0025	U	L	#	0.0025	-
	mg/L	03/28/2001	0001	0.0034	U	L	#	0.0034	-
	mg/L	06/12/2001	0001	0.0431		F	#	0.0003	-
	mg/L	08/21/2001	0001	0.0313		F	#	0.0003	-
Gross Alpha	pCi/L	12/05/2000	0001	99.14		JL	#	63.83	± 47.2
	pCi/L	03/28/2001	0001	66.45		JL	#	54.16	± 37.9
	pCi/L	06/12/2001	0001	63.03		F	#	61.53	± 41.2
	pCi/L	08/21/2001	0001	121.01		F	#	53.15	± 40.9
Gross Beta	pCi/L	12/05/2000	0001	91.24		L	#	59.56	± 38.7
	pCi/L	03/28/2001	0001	50.33	U	L	#	50.33	± 30.3
	pCi/L	06/12/2001	0001	59.6	U	F	#	59.6	± 36.7
	pCi/L	08/21/2001	0001	70.76		F	#	52.44	± 33.1
Iron	mg/L	12/05/2000	0001	1.670		L	#	0.011	-
	mg/L	03/28/2001	0001	1.780		L	#	0.001	-
	mg/L	06/12/2001	0001	0.219	E	JF	#	0.0008	-
	mg/L	08/21/2001	0001	0.727		F	#	0.0008	-
Lead	mg/L	12/05/2000	0001	0.0001	U	L	#	0.0001	-
	mg/L	03/28/2001	0001	0.00018	B	UL	#	0.0001	-
	mg/L	06/12/2001	0001	0.0075		F	#	0.0001	-
	mg/L	08/21/2001	0001	0.00024	B	F	#	0.0001	-
Lead-210	pCi/L	12/05/2000	0001	1.27	U	L	#	1.27	± 0.73
	pCi/L	03/28/2001	0001	1.34	U	L	#	1.34	± 0.76
	pCi/L	06/12/2001	0001	1.27	U	F	#	1.27	± 0.73
	pCi/L	08/21/2001	0001	1.39	U	F	#	1.39	± 0.82
Magnesium	mg/L	12/05/2000	0001	276.000		L	#	0.0471	-
	mg/L	03/28/2001	0001	202.000		L	#	0.0031	-
	mg/L	06/12/2001	0001	187.000		F	#	0.0034	-
	mg/L	08/21/2001	0001	195.000		F	#	0.0034	-
Manganese	mg/L	12/05/2000	0001	1.640		L	#	0.003	-
	mg/L	03/28/2001	0001	1.770		L	#	0.0001	-
	mg/L	06/12/2001	0001	2.240		F	#	0.0001	-
	mg/L	08/21/2001	0001	2.020		F	#	0.0001	-

GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS  
LOCATION: 0879  
REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Molybdenum	mg/L	12/05/2000	0001	0.0027	B	L	#	0.0003	-
	mg/L	03/28/2001	0001	0.0026	B	UL	#	0.0004	-
	mg/L	06/12/2001	0001	0.003	U	F	#	0.003	-
	mg/L	08/21/2001	0001	0.003	U	F	#	0.003	-
Nitrate as NO3	mg/L	12/05/2000	0001	0.135	B	L	#	0.0314	-
	mg/L	03/28/2001	0001	0.074	B	L	#	0.0171	-
	mg/L	06/12/2001	0001	0.136	B	F	#	0.0171	-
	mg/L	08/21/2001	0001	0.0305	U	F	#	0.0305	-
ORP of Zobell Solution	mV	12/05/2000	N001	226		L	#	-	-
	mV	03/28/2001	N001	233		L	#	-	-
	mV	06/12/2001	N001	237		F	#	-	-
	mV	08/21/2001	N001	216		F	#	-	-
Oxidation Reduction Potent	mV	12/05/2000	N001	23		L	#	-	-
	mV	03/28/2001	N001	63		L	#	-	-
	mV	06/12/2001	N001	38		F	#	-	-
	mV	08/21/2001	N001	32		F	#	-	-
pH	s.u.	12/05/2000	N001	6.95		L	#	-	-
	s.u.	03/28/2001	N001	7.18		L	#	-	-
	s.u.	06/12/2001	N001	6.96		F	#	-	-
	s.u.	08/21/2001	N001	7		F	#	-	-
Polonium-210	pCi/L	12/05/2000	0001	0.06	U	L	#	0.06	± 0.08
	pCi/L	03/28/2001	0001	0.07	U	L	#	0.07	± 0.04
	pCi/L	06/12/2001	0001	0.13	U	F	#	0.13	± 0.07
	pCi/L	08/21/2001	0001	0.6	U	F	#	0.6	± 0.25
Potassium	mg/L	12/05/2000	0001	38.500		L	#	0.0359	-
	mg/L	03/28/2001	0001	35.900		L	#	0.0091	-
	mg/L	06/12/2001	0001	44.500		F	#	0.0088	-
	mg/L	08/21/2001	0001	46.400		F	#	0.0088	-
Radium-226	pCi/L	12/05/2000	0001	0.16	U	L	#	0.16	± 0.10
	pCi/L	03/28/2001	0001	0.22		L	#	0.12	± 0.09
	pCi/L	06/12/2001	0001	0.23		F	#	0.1	± 0.07
	pCi/L	08/21/2001	0001	0.17		F	#	0.1	± 0.07
Radium-228	pCi/L	12/05/2000	0001	0.84	U	L	#	0.84	± 0.50
	pCi/L	03/28/2001	0001	0.85	U	L	#	0.85	± 0.50

## GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS

LOCATION: 0879

REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE: DATE	ID	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
Radium-228	pCi/L	06/12/2001	0001	0.81	U F #	0.81	± 0.47
	pCi/L	08/21/2001	0001	0.9	U F #	0.9	± 0.53
Selenium	mg/L	12/05/2000	0001	0.009	L #	0.0001	-
	mg/L	03/28/2001	0001	0.359	L #	0.006	-
	mg/L	06/12/2001	0001	1.820	F #	0.06	-
	mg/L	08/21/2001	0001	1.280	F #	0.03	-
Sodium	mg/L	12/05/2000	0001	1640.000	L #	52.5	-
	mg/L	03/28/2001	0001	1700.000	L #	0.052	-
	mg/L	06/12/2001	0001	1610.000	E JF #	0.085	-
	mg/L	08/21/2001	0001	1630.000	F #	0.085	-
Specific Conductance	umhos/cm	12/05/2000	N001	9240	L #	-	-
	umhos/cm	03/28/2001	N001	8050	L #	-	-
	umhos/cm	06/12/2001	N001	8180	F #	-	-
	umhos/cm	08/21/2001	N001	8390	F #	-	-
Sulfate	mg/L	12/05/2000	0001	5360.000	L #	5.89	-
	mg/L	03/28/2001	0001	4330.000	L #	0.1265	-
	mg/L	06/12/2001	0001	4460.000	F #	0.253	-
	mg/L	08/21/2001	0001	4650.000	F #	0.1265	-
Temperature	C	12/05/2000	N001	12.3	L #	-	-
	C	03/28/2001	N001	12.2	L #	-	-
	C	06/12/2001	N001	14.5	F #	-	-
	C	08/21/2001	N001	16.7	F #	-	-
Temperature of Zobell Solu	C	12/05/2000	N001	10.2	L #	-	-
	C	03/28/2001	N001	6.1	L #	-	-
	C	06/12/2001	N001	7.5	F #	-	-
	C	08/21/2001	N001	23.6	F #	-	-
Thallium	mg/L	12/05/2000	0001	0.0001	U L #	0.0001	-
	mg/L	03/28/2001	0001	0.00032	B UL #	0.0001	-
	mg/L	06/12/2001	0001	0.00015	BE UJF #	-	-
	mg/L	08/21/2001	0001	0.0001	U F #	0.0001	-
Thorium-230	pCi/L	12/05/2000	0001	1.7	U L #	1.72	-
	pCi/L	03/28/2001	0001	0.92	U L #	0.92	-
	pCi/L	06/12/2001	0001	1.5	U F #	1.48	-
	pCi/L	08/21/2001	0001	1.7	B UF #	1.48	-

## GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS

LOCATION: 0879

REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Total Dissolved Solids	mg/L	12/05/2000	0001	9310	L	#		10	-
	mg/L	03/28/2001	0001	7800	L	#		10	-
	mg/L	06/12/2001	0001	7490	F	#		10	-
	mg/L	08/21/2001	0001	7830	F	#		10	-
Turbidity	NTU	12/05/2000	N001	77.6	L	#		-	-
	NTU	03/28/2001	N001	77.2	L	#		-	-
	NTU	06/12/2001	N001	9.04	F	#		-	-
	NTU	08/21/2001	N001	9.88	F	#		-	-
Uranium	mg/L	12/05/2000	0001	0.153	L	#		0.0001	-
	mg/L	03/28/2001	0001	0.103	L	#		0.0001	-
	mg/L	06/12/2001	0001	0.224	F	#		0.0001	-
	mg/L	08/21/2001	0001	0.265	F	#		0.0001	-
Uranium-234	pCi/L	03/28/2001	0001	34.8	*	JL	#	0.4	-
Uranium-238	pCi/L	03/28/2001	0001	42.2		L	#	0.1	-
Vanadium	mg/L	12/05/2000	0001	0.0015	U	L	#	0.0015	-
	mg/L	03/28/2001	0001	0.0004	U	L	#	0.0004	-
	mg/L	06/12/2001	0001	0.0003	U	F	#	0.0003	-
	mg/L	08/21/2001	0001	0.0003	U	F	#	0.0003	-
Zinc	mg/L	12/05/2000	0001	0.0674		L	#	0.0102	-
	mg/L	03/28/2001	0001	0.200		L	#	0.0095	-
	mg/L	06/12/2001	0001	0.464		F	#	0.0073	-
	mg/L	08/21/2001	0001	0.407		F	#	0.0073	-

GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS  
 LOCATION: 0879  
 REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		

RECORDS: SELECTED FROM USEE100 WHERE site\_code='DUR02' AND (NOT (data\_validation\_qualifiers LIKE "R" OR data\_validation\_qualifiers LIKE "X") OR IsNull(data\_validation\_qualifiers)) AND DATE\_SAMPLED <= #8/31/2001#

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LAB QUALIFIERS:

- \* Replicate analysis not within control limits.
- + Correlation coefficient for MSA < 0.995.
- A TIC is a suspected aldol-condensation product.
- B Inorganic: Result is between the IDL and CRDL. Organic: Analyte also found in method blank.
- E Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
- Z Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- H Holding time expired, value suspect.
- I Increased detection limit due to required dilution.
- C Pesticide result confirmed by GC-MS.
- M GFAA duplicate injection precision not met.
- N Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC).
- S Result determined by method of standard addition (MSA).
- U Analytical result below detection limit.
- W Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
- D Analyte determined in diluted sample.
- P > 25% difference in detected pesticide or Arochlor concentrations between 2 columns.
- X Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- Y Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- > Result above upper detection limit.
- J Estimated

DATA QUALIFIERS:

- J Estimated value.
- G Possible grout contamination, pH > 9.
- R Unusable result.
- U Parameter analyzed for but was not detected.
- F Low flow sampling method used.
- L Less than 3 bore volumes purged prior to sampling.
- X Location is undefined.

QA QUALIFIER: # = validated according to Quality Assurance guidelines.

GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS  
LOCATION: 0880  
REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Alkalinity as CaCO3	mg/L	12/05/2000	0001	540			#	-	-
	mg/L	12/05/2000	N001	550			#	-	-
	mg/L	03/28/2001	0001	375			#	-	-
	mg/L	03/28/2001	N001	382			#	-	-
	mg/L	06/12/2001	0001	398		F	#	-	-
	mg/L	06/12/2001	N001	371		F	#	-	-
	mg/L	08/21/2001	0001	430			#	-	-
	mg/L	08/21/2001	N001	431			#	-	-
Ammonium	mg/L	12/05/2000	0001	1.320			#	0.0047	-
	mg/L	03/28/2001	0001	1.500			#	0.0062	-
	mg/L	06/12/2001	0001	0.243		F	#	0.0062	-
	mg/L	08/21/2001	0001	1.470			#	0.0062	-
Antimony	mg/L	12/05/2000	0001	0.00059	B	U	#	0.0003	-
	mg/L	03/28/2001	0001	0.0012	B	U	#	0.0003	-
	mg/L	06/12/2001	0001	0.0008	U	F	#	0.0008	-
	mg/L	08/21/2001	0001	0.0005	B	U	#	0.0002	-
Arsenic	mg/L	12/05/2000	0001	0.0002	U		#	0.0002	-
	mg/L	03/28/2001	0001	0.0014	B		#	0.0005	-
	mg/L	06/12/2001	0001	0.0005	U	F	#	0.0005	-
	mg/L	08/21/2001	0001	0.0008	B		#	0.0005	-
Cadmium	mg/L	12/05/2000	0001	0.0002	U		#	0.0002	-
	mg/L	03/28/2001	0001	0.00037	B		#	0.0002	-
	mg/L	06/12/2001	0001	0.00064	B	F	#	0.0004	-
	mg/L	08/21/2001	0001	0.00085	B	U	#	0.0003	-
Calcium	mg/L	12/05/2000	0001	423.000			#	0.032	-
	mg/L	03/28/2001	0001	424.000			#	0.0642	-
	mg/L	06/12/2001	0001	417.000		F	#	0.0814	-
	mg/L	08/21/2001	0001	410.000			#	0.0814	-
Chloride	mg/L	12/05/2000	0001	618.000			#	0.6	-
	mg/L	03/28/2001	0001	432.000			#	0.0745	-
	mg/L	06/12/2001	0001	417.000		F	#	0.149	-
	mg/L	08/21/2001	0001	437.000			#	0.0745	-
Chromium	mg/L	12/05/2000	0001	0.0059	U		#	0.0059	-
	mg/L	03/28/2001	0001	0.0008	U		#	0.0008	-



GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS  
LOCATION: 0880  
REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Chromium	mg/L	06/12/2001	0001	0.0008	U	F	#	0.0008	-
	mg/L	08/21/2001	0001	0.0008	U		#	0.0008	-
Copper	mg/L	12/05/2000	0001	0.0025	U		#	0.0025	-
	mg/L	03/28/2001	0001	0.0034	U		#	0.0034	-
	mg/L	06/12/2001	0001	0.0518		F	#	0.0003	-
	mg/L	08/21/2001	0001	0.0005	B	U	#	0.0003	-
Gross Alpha	pCi/L	12/05/2000	0001	61.61	U	J	#	61.61	± 36.2
	pCi/L	03/28/2001	0001	82.4		J	#	42.13	± 33.2
	pCi/L	06/12/2001	0001	102.04		F	#	71.66	± 51.6
	pCi/L	08/21/2001	0001	70.38			#	46.6	± 32.6
Gross Beta	pCi/L	12/05/2000	0001	59.04	U		#	59.04	± 36.2
	pCi/L	03/28/2001	0001	45.67			#	40.33	± 25.3
	pCi/L	06/12/2001	0001	74.33	U	F	#	74.33	± 44.6
	pCi/L	08/21/2001	0001	46.95	U		#	46.95	± 28.5
Iron	mg/L	12/05/2000	0001	9.780			#	0.011	-
	mg/L	03/28/2001	0001	6.330			#	0.001	-
	mg/L	06/12/2001	0001	0.0407	E	JF	#	0.0008	-
	mg/L	08/21/2001	0001	7.020			#	0.0008	-
Lead	mg/L	12/05/2000	0001	0.0001	U		#	0.0001	-
	mg/L	03/28/2001	0001	0.00021	B	U	#	0.0001	-
	mg/L	06/12/2001	0001	0.0042		F	#	0.0001	-
	mg/L	08/21/2001	0001	0.0001	U		#	0.0001	-
Lead-210	pCi/L	12/05/2000	0001	1.25	U		#	1.25	± 0.74
	pCi/L	03/28/2001	0001	1.39	U		#	1.39	± 0.79
	pCi/L	06/12/2001	0001	1.19	U	F	#	1.19	± 0.69
	pCi/L	08/21/2001	0001	1.45	U		#	1.45	± 0.85
Magnesium	mg/L	12/05/2000	0001	272.000			#	0.0471	-
	mg/L	03/28/2001	0001	171.000			#	0.0031	-
	mg/L	06/12/2001	0001	238.000		F	#	0.0034	-
	mg/L	08/21/2001	0001	198.000			#	0.0034	-
Manganese	mg/L	12/05/2000	0001	1.810			#	0.003	-
	mg/L	03/28/2001	0001	0.979			#	0.0001	-
	mg/L	06/12/2001	0001	0.969		F	#	0.0001	-
	mg/L	08/21/2001	0001	1.350			#	0.0001	-

GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS  
LOCATION: 0880  
REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Molybdenum	mg/L	12/05/2000	0001	0.0012	B		#	0.0003	-
	mg/L	03/28/2001	0001	0.0023	B	U	#	0.0004	-
	mg/L	06/12/2001	0001	0.003	U	F	#	0.003	-
	mg/L	08/21/2001	0001	0.003	U		#	0.003	-
Nitrate as NO3	mg/L	12/05/2000	0001	0.0314	U		#	0.0314	-
	mg/L	03/28/2001	0001	0.344	B		#	0.0171	-
	mg/L	06/12/2001	0001	0.141	B	F	#	0.0171	-
	mg/L	08/21/2001	0001	0.0305	U		#	0.0305	-
ORP of Zobell Solution	mV	12/05/2000	N001	245			#	-	-
	mV	03/28/2001	N001	229			#	-	-
	mV	06/12/2001	N001	218		F	#	-	-
	mV	08/21/2001	N001	225			#	-	-
Oxidation Reduction Potent	mV	12/05/2000	N001	-82			#	-	-
	mV	03/28/2001	N001	-36			#	-	-
	mV	06/12/2001	N001	133		F	#	-	-
	mV	08/21/2001	N001	-128			#	-	-
pH	s.u.	12/05/2000	N001	6.82			#	-	-
	s.u.	03/28/2001	N001	7.04			#	-	-
	s.u.	06/12/2001	N001	6.7		F	#	-	-
	s.u.	08/21/2001	N001	6.66			#	-	-
Polonium-210	pCi/L	12/05/2000	0001	0.08	U		#	0.08	± 0.10
	pCi/L	03/28/2001	0001	0.10	U		#	0.1	± 0.05
	pCi/L	06/12/2001	0001	0.08	U	F	#	0.08	± 0.04
	pCi/L	08/21/2001	0001	0.13	U		#	0.13	± 0.07
Potassium	mg/L	12/05/2000	0001	27.700			#	0.0359	-
	mg/L	03/28/2001	0001	26.400			#	0.0091	-
	mg/L	06/12/2001	0001	40.100		F	#	0.0088	-
	mg/L	08/21/2001	0001	30.500			#	0.0088	-
Radium-226	pCi/L	12/05/2000	0001	0.15	U		#	0.15	± 0.08
	pCi/L	03/28/2001	0001	0.12	U		#	0.12	± 0.07
	pCi/L	06/12/2001	0001	0.14		F	#	0.1	± 0.07
	pCi/L	08/21/2001	0001	0.17			#	0.11	± 0.07
Radium-228	pCi/L	12/05/2000	0001	0.71	U		#	0.71	± 0.42
	pCi/L	03/28/2001	0001	0.85	U		#	0.85	± 0.49

GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS  
LOCATION: 0880  
REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Radium-228	pCi/L	06/12/2001	0001	0.8	U	F	#	0.8	± 0.47
	pCi/L	08/21/2001	0001	0.94	U		#	0.94	± 0.55
Selenium	mg/L	12/05/2000	0001	0.0062			#	0.0001	-
	mg/L	03/28/2001	0001	0.996			#	0.015	-
	mg/L	06/12/2001	0001	3.080		F	#	0.06	-
	mg/L	08/21/2001	0001	0.583			#	0.03	-
Sodium	mg/L	12/05/2000	0001	1680.000			#	52.5	-
	mg/L	03/28/2001	0001	1190.000			#	0.052	-
	mg/L	06/12/2001	0001	1780.000	E	JF	#	0.085	-
	mg/L	08/21/2001	0001	1240.000			#	0.085	-
Specific Conductance	umhos/cm	12/05/2000	N001	8850			#	-	-
	umhos/cm	03/28/2001	N001	6680			#	-	-
	umhos/cm	06/12/2001	N001	8820		F	#	-	-
	umhos/cm	08/21/2001	N001	6480			#	-	-
Sulfate	mg/L	12/05/2000	0001	4590.000			#	1.4725	-
	mg/L	03/28/2001	0001	3160.000			#	0.1265	-
	mg/L	06/12/2001	0001	4620.000		F	#	0.253	-
	mg/L	08/21/2001	0001	3560.000			#	0.1265	-
Temperature	C	12/05/2000	N001	12.4			#	-	-
	C	03/28/2001	N001	11.4			#	-	-
	C	06/12/2001	N001	15.1		F	#	-	-
	C	08/21/2001	N001	11.8			#	-	-
Temperature of Zobell Solu	C	12/05/2000	N001	11.2			#	-	-
	C	03/28/2001	N001	10.3			#	-	-
	C	06/12/2001	N001	21.8		F	#	-	-
	C	08/21/2001	N001	18			#	-	-
Thallium	mg/L	12/05/2000	0001	0.0001	U		#	0.0001	-
	mg/L	03/28/2001	0001	0.00033	B	U	#	0.0001	-
	mg/L	06/12/2001	0001	0.0002	BE	UJF	#	-	-
	mg/L	08/21/2001	0001	0.0001	U		#	0.0001	-
Thorium-230	pCi/L	12/05/2000	0001	1.7	U		#	1.72	-
	pCi/L	03/28/2001	0001	0.92	U		#	0.92	-
	pCi/L	06/12/2001	0001	1.5	U	F	#	1.48	-
	pCi/L	08/21/2001	0001	1.5	U		#	1.48	-

## GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS

LOCATION: 0880

REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Total Dissolved Solids	mg/L	12/05/2000	0001	8240			#	10	-
	mg/L	03/28/2001	0001	6000			#	10	-
	mg/L	06/12/2001	0001	8110		F	#	10	-
	mg/L	08/21/2001	0001	6340			#	10	-
Turbidity	NTU	12/05/2000	N001	736			#	-	-
	NTU	03/28/2001	N001	33.2			#	-	-
	NTU	06/12/2001	N001	7.68		F	#	-	-
	NTU	08/21/2001	N001	8.18			#	-	-
Uranium	mg/L	12/05/2000	0001	0.0637			#	0.0001	-
	mg/L	03/28/2001	0001	0.122			#	0.0001	-
	mg/L	06/12/2001	0001	0.189		F	#	0.0001	-
	mg/L	08/21/2001	0001	0.116			#	0.0001	-
Uranium-234	pCi/L	03/28/2001	0001	41.1	*	J	#	0.4	-
Uranium-238	pCi/L	03/28/2001	0001	48.8			#	0.1	-
Vanadium	mg/L	12/05/2000	0001	0.0015	U		#	0.0015	-
	mg/L	03/28/2001	0001	0.0004	U		#	0.0004	-
	mg/L	06/12/2001	0001	0.0003	U	F	#	0.0003	-
	mg/L	08/21/2001	0001	0.0003	U		#	0.0003	-
Zinc	mg/L	12/05/2000	0001	0.010	U		#	0.0102	-
	mg/L	03/28/2001	0001	0.0353	B		#	0.0095	-
	mg/L	06/12/2001	0001	0.128		F	#	0.0073	-
	mg/L	08/21/2001	0001	0.045	B		#	0.0073	-

GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS  
LOCATION: 0880  
REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		

RECORDS: SELECTED FROM USEE100 WHERE site\_code='DUR02' AND (NOT (data\_validation\_qualifiers LIKE "R" OR data\_validation\_qualifiers LIKE "X") OR IsNull(data\_validation\_qualifiers)) AND DATE\_SAMPLED <= #8/31/2001#

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LAB QUALIFIERS:

- \* Replicate analysis not within control limits.
- + Correlation coefficient for MSA < 0.995.
- A TIC is a suspected aldol-condensation product.
- B Inorganic: Result is between the IDL and CRDL. Organic: Analyte also found in method blank.
- E Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
- Z Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- H Holding time expired, value suspect.
- I Increased detection limit due to required dilution.
- C Pesticide result confirmed by GC-MS.
- M GFAA duplicate injection precision not met.
- N Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC).
- S Result determined by method of standard addition (MSA).
- U Analytical result below detection limit.
- W Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
- D Analyte determined in diluted sample.
- P > 25% difference in detected pesticide or Arochlor concentrations between 2 columns.
- X Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- Y Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- > Result above upper detection limit.
- J Estimated

DATA QUALIFIERS:

- J Estimated value.
- G Possible grout contamination, pH > 9.
- R Unusable result.
- U Parameter analyzed for but was not detected.
- F Low flow sampling method used.
- L Less than 3 bore volumes purged prior to sampling.
- X Location is undefined.

QA QUALIFIER: # = validated according to Quality Assurance guidelines.

## GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS

LOCATION: 0881

REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Alkalinity as CaCO3	mg/L	12/05/2000	0001	367		L	#	-	-
	mg/L	12/05/2000	N001	412		L	#	-	-
	mg/L	03/28/2001	0001	467		L	#	-	-
	mg/L	03/28/2001	N001	443		L	#	-	-
	mg/L	06/13/2001	0001	320		L	#	-	-
	mg/L	06/13/2001	N001	370		L	#	-	-
	mg/L	08/21/2001	0001	370		L	#	-	-
	mg/L	08/21/2001	N001	365		L	#	-	-
Ammonium	mg/L	12/05/2000	0001	2.770		L	#	0.0047	-
	mg/L	03/28/2001	0001	2.260		L	#	0.0062	-
	mg/L	06/13/2001	0001	2.720		L	#	0.0062	-
	mg/L	08/21/2001	0001	3.280		L	#	0.0062	-
Antimony	mg/L	12/05/2000	0001	0.00073	B	UL	#	0.0003	-
	mg/L	03/28/2001	0001	0.00039	B	UL	#	0.0003	-
	mg/L	06/13/2001	0001	0.0008	U	L	#	0.0008	-
	mg/L	08/21/2001	0001	0.00044	B	UL	#	0.0002	-
Arsenic	mg/L	12/05/2000	0001	0.0002	U	L	#	0.0002	-
	mg/L	03/28/2001	0001	0.00096	B	L	#	0.0005	-
	mg/L	06/13/2001	0001	0.0005	U	L	#	0.0005	-
	mg/L	08/21/2001	0001	0.00098	B	L	#	0.0005	-
Cadmium	mg/L	12/05/2000	0001	0.0031		L	#	0.0002	-
	mg/L	03/28/2001	0001	0.00022	B	L	#	0.0002	-
	mg/L	06/13/2001	0001	0.0004	U	L	#	0.0004	-
	mg/L	08/21/2001	0001	0.00069	B	UL	#	0.0003	-
Calcium	mg/L	12/05/2000	0001	126.000		L	#	0.032	-
	mg/L	03/28/2001	0001	56.400		L	#	0.0642	-
	mg/L	06/13/2001	0001	110.000		L	#	0.0814	-
	mg/L	08/21/2001	0001	137.000		L	#	0.0814	-
Chloride	mg/L	12/05/2000	0001	252.000		L	#	0.6	-
	mg/L	03/28/2001	0001	207.000		L	#	0.0745	-
	mg/L	06/13/2001	0001	154.000		L	#	0.298	-
	mg/L	08/21/2001	0001	265.000		L	#	0.0745	-
Chromium	mg/L	12/05/2000	0001	0.0059	U	L	#	0.0059	-
	mg/L	03/28/2001	0001	0.0008	U	L	#	0.0008	-

GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS  
LOCATION: 0881  
REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Chromium	mg/L	06/13/2001	0001	0.0008	U	L	#	0.0008	-
	mg/L	08/21/2001	0001	0.0008	U	L	#	0.0008	-
Copper	mg/L	12/05/2000	0001	0.0025	U	L	#	0.0025	-
	mg/L	03/28/2001	0001	0.0034	U	L	#	0.0034	-
	mg/L	06/13/2001	0001	0.001	B	UL	#	0.0003	-
	mg/L	08/21/2001	0001	0.00036	B	UL	#	0.0003	-
Gross Alpha	pCi/L	12/05/2000	0001	41.61	U	JL	#	41.61	± 24.5
	pCi/L	03/28/2001	0001	39.41	U	JL	#	39.41	± 23.3
	pCi/L	06/13/2001	0001	37.7	U	L	#	37.7	± 21.9
	pCi/L	08/21/2001	0001	37.86	U	L	#	37.86	± 18.7
Gross Beta	pCi/L	12/05/2000	0001	39.40	U	L	#	39.4	± 23.0
	pCi/L	03/28/2001	0001	39.82	U	L	#	39.82	± 23.1
	pCi/L	06/13/2001	0001	37.07	U	L	#	37.07	± 20.8
	pCi/L	08/21/2001	0001	38.72	U	L	#	38.72	± 21.5
Iron	mg/L	12/05/2000	0001	0.232		L	#	0.011	-
	mg/L	03/28/2001	0001	1.800		L	#	0.001	-
	mg/L	06/13/2001	0001	0.351	E	JL	#	0.0008	-
	mg/L	08/21/2001	0001	0.275		L	#	0.0008	-
Lead	mg/L	12/05/2000	0001	0.0001	U	L	#	0.0001	-
	mg/L	03/28/2001	0001	0.0002	B	UL	#	0.0001	-
	mg/L	06/13/2001	0001	0.0001	U	L	#	0.0001	-
	mg/L	08/21/2001	0001	0.0001	U	L	#	0.0001	-
Lead-210	pCi/L	12/05/2000	0001	1.27	U	L	#	1.27	± 0.74
	pCi/L	03/28/2001	0001	1.42	U	L	#	1.42	± 0.80
	pCi/L	06/13/2001	0001	1.34	U	L	#	1.34	± 0.76
	pCi/L	08/21/2001	0001	1.38	U	L	#	1.38	± 0.82
Magnesium	mg/L	12/05/2000	0001	75.000		L	#	0.0471	-
	mg/L	03/28/2001	0001	30.600		L	#	0.0031	-
	mg/L	06/13/2001	0001	64.900		L	#	0.0034	-
	mg/L	08/21/2001	0001	77.100		L	#	0.0034	-
Manganese	mg/L	12/05/2000	0001	0.364		L	#	0.003	-
	mg/L	03/28/2001	0001	0.418		L	#	0.0001	-
	mg/L	06/13/2001	0001	0.200		L	#	0.0001	-
	mg/L	08/21/2001	0001	0.146		L	#	0.0001	-

GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS  
LOCATION: 0881  
REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Molybdenum	mg/L	12/05/2000	0001	0.0018	B	L	#	0.0003	-
	mg/L	03/28/2001	0001	0.0043	B	L	#	0.0004	-
	mg/L	06/13/2001	0001	0.003	U	L	#	0.003	-
	mg/L	08/21/2001	0001	0.003	U	L	#	0.003	-
Nitrate as NO3	mg/L	12/05/2000	0001	0.0314	U	L	#	0.0314	-
	mg/L	03/28/2001	0001	0.0171	U	L	#	0.0171	-
	mg/L	06/13/2001	0001	0.167	B	L	#	0.0171	-
	mg/L	08/21/2001	0001	0.327	B	L	#	0.0305	-
ORP of Zobell Solution	mV	12/05/2000	N001	245		L	#	-	-
	mV	03/28/2001	N001	235		L	#	-	-
	mV	06/13/2001	N001	239		L	#	-	-
	mV	08/21/2001	N001	234		L	#	-	-
Oxidation Reduction Potent	mV	12/05/2000	N001	48		L	#	-	-
	mV	03/28/2001	N001	-122		L	#	-	-
	mV	06/13/2001	N001	-179		L	#	-	-
	mV	08/21/2001	N001	-226		L	#	-	-
pH	s.u.	12/05/2000	N001	7.7		L	#	-	-
	s.u.	03/28/2001	N001	8.1		L	#	-	-
	s.u.	06/13/2001	N001	7.83		L	#	-	-
	s.u.	08/21/2001	N001	6.97		L	#	-	-
Polonium-210	pCi/L	12/05/2000	0001	0.06	U	L	#	0.06	± 0.06
	pCi/L	03/28/2001	0001	0.10	U	L	#	0.1	± 0.05
	pCi/L	06/13/2001	0001	0.1	U	L	#	0.1	± 0.05
	pCi/L	08/21/2001	0001	0.09	U	L	#	0.09	± 0.05
Potassium	mg/L	12/05/2000	0001	8.700		L	#	0.0359	-
	mg/L	03/28/2001	0001	6.180		L	#	0.0091	-
	mg/L	06/13/2001	0001	7.750		L	#	0.0088	-
	mg/L	08/21/2001	0001	8.630		L	#	0.0088	-
Radium-226	pCi/L	12/05/2000	0001	0.26		L	#	0.15	± 0.11
	pCi/L	03/28/2001	0001	0.18		L	#	0.13	± 0.09
	pCi/L	06/13/2001	0001	0.17		L	#	0.1	± 0.07
	pCi/L	08/21/2001	0001	0.18		L	#	0.14	± 0.09
Radium-228	pCi/L	12/05/2000	0001	0.71	U	L	#	0.71	± 0.42
	pCi/L	03/28/2001	0001	0.87	U	L	#	0.87	± 0.51



GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS  
LOCATION: 0881  
REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE: DATE	ID	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
Radium-228	pCi/L	06/13/2001	0001	0.82	U L #	0.82	± 0.49
	pCi/L	08/21/2001	0001	1.02	U L #	1.02	± 0.60
Selenium	mg/L	12/05/2000	0001	0.0001	U L #	0.0001	-
	mg/L	03/28/2001	0001	0.0003	U L #	0.0003	-
	mg/L	06/13/2001	0001	0.0003	U L #	0.0003	-
	mg/L	08/21/2001	0001	0.0003	U L #	0.0003	-
Sodium	mg/L	12/05/2000	0001	1530.000	L #	52.5	-
	mg/L	03/28/2001	0001	1460.000	L #	0.052	-
	mg/L	06/13/2001	0001	1250.000	E JL #	0.085	-
	mg/L	08/21/2001	0001	1420.000	L #	0.085	-
Specific Conductance	umhos/cm	12/05/2000	N001	6690	L #	-	-
	umhos/cm	03/28/2001	N001	6620	L #	-	-
	umhos/cm	06/13/2001	N001	4540	L #	-	-
	umhos/cm	08/21/2001	N001	6680	L #	-	-
Sulfate	mg/L	12/05/2000	0001	3180.000	L #	1.4725	-
	mg/L	03/28/2001	0001	2740.000	L #	0.1265	-
	mg/L	06/13/2001	0001	2550.000	L #	0.506	-
	mg/L	08/21/2001	0001	3160.000	L #	0.1265	-
Temperature	C	12/05/2000	N001	11.8	L #	-	-
	C	03/28/2001	N001	10.9	L #	-	-
	C	06/13/2001	N001	11	L #	-	-
	C	08/21/2001	N001	11.9	L #	-	-
Temperature of Zobell Solu	C	12/05/2000	N001	8.8	L #	-	-
	C	03/28/2001	N001	6.1	L #	-	-
	C	06/13/2001	N001	10.6	L #	-	-
	C	08/21/2001	N001	13.5	L #	-	-
Thallium	mg/L	12/05/2000	0001	0.0001	U L #	0.0001	-
	mg/L	03/28/2001	0001	0.00032	B UL #	0.0001	-
	mg/L	06/13/2001	0001	0.00015	BE UJL #	-	-
	mg/L	08/21/2001	0001	0.0001	U L #	0.0001	-
Thorium-230	pCi/L	12/05/2000	0001	1.7	U L #	1.72	-
	pCi/L	03/28/2001	0001	0.92	U L #	0.92	-
	pCi/L	06/13/2001	0001	1.5	U L #	1.48	-
	pCi/L	08/21/2001	0001	1.5	U L #	1.48	-

GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS  
LOCATION: 0881  
REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Total Dissolved Solids	mg/L	12/05/2000	0001	5560		L	#	10	-
	mg/L	03/28/2001	0001	5270		L	#	10	-
	mg/L	06/13/2001	0001	4420		L	#	10	-
	mg/L	08/21/2001	0001	5460		L	#	10	-
Turbidity	NTU	03/28/2001	N001	86		L	#	-	-
	NTU	06/13/2001	N001	30.1		L	#	-	-
	NTU	08/21/2001	N001	44		L	#	-	-
Uranium	mg/L	12/05/2000	0001	0.0033		L	#	0.0001	-
	mg/L	03/28/2001	0001	0.0045		L	#	0.0001	-
	mg/L	06/13/2001	0001	0.007		L	#	0.0001	-
	mg/L	08/21/2001	0001	0.0038		L	#	0.0001	-
Uranium-234	pCi/L	03/28/2001	0001	2.3	*	UJL	#	0.4	-
Uranium-238	pCi/L	03/28/2001	0001	1.9	B	L	#	0.1	-
Vanadium	mg/L	12/05/2000	0001	0.0015	U	L	#	0.0015	-
	mg/L	03/28/2001	0001	0.0004	U	L	#	0.0004	-
	mg/L	06/13/2001	0001	0.0003	U	L	#	0.0003	-
	mg/L	08/21/2001	0001	0.00048	B	UL	#	0.0003	-
Zinc	mg/L	12/05/2000	0001	0.010	U	L	#	0.0102	-
	mg/L	03/28/2001	0001	0.0095	U	L	#	0.0095	-
	mg/L	06/13/2001	0001	0.0093	B	L	#	0.0073	-
	mg/L	08/21/2001	0001	0.0133	B	L	#	0.0073	-

GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS  
LOCATION: 0881  
REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:		DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA QA		

RECORDS: SELECTED FROM USEE100 WHERE site\_code='DUR02' AND (NOT (data\_validation\_qualifiers LIKE "R" OR data\_validation\_qualifiers LIKE "X" ) OR IsNull(data\_validation\_qualifiers)) AND DATE\_SAMPLED <= #8/31/2001#

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LAB QUALIFIERS:

- \* Replicate analysis not within control limits.
- + Correlation coefficient for MSA < 0.995.
- A TIC is a suspected aldol-condensation product.
- B Inorganic: Result is between the IDL and CRDL. Organic: Analyte also found in method blank.
- E Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
- Z Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- H Holding time expired, value suspect.
- I Increased detection limit due to required dilution.
- C Pesticide result confirmed by GC-MS.
- M GFAA duplicate injection precision not met.
- N Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC).
- S Result determined by method of standard addition (MSA).
- U Analytical result below detection limit.
- W Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
- D Analyte determined in diluted sample.
- P > 25% difference in detected pesticide or Arochlor concentrations between 2 columns.
- X Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- Y Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- > Result above upper detection limit.
- J Estimated

DATA QUALIFIERS:

- |   |  |   |  |
|---|--|---|--|
| J | Estimated value.                             | F | Low flow sampling method used.                     |
| G | Possible grout contamination, pH > 9.        | L | Less than 3 bore volumes purged prior to sampling. |
| R | Unusable result.                             | X | Location is undefined.                             |
| U | Parameter analyzed for but was not detected. |   |  |

QA QUALIFIER: # = validated according to Quality Assurance guidelines.

GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS  
LOCATION: 0882  
REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Alkalinity as CaCO3	mg/L	12/06/2000	N001	417			#	-	-
	mg/L	04/03/2001	0001	521		L	#	-	-
	mg/L	04/03/2001	N001	547		L	#	-	-
	mg/L	06/06/2001	0001	587			#	-	-
	mg/L	06/06/2001	N001	580			#	-	-
	mg/L	08/22/2001	0001	552		F	#	-	-
	mg/L	08/22/2001	N001	548		F	#	-	-
Ammonium	mg/L	12/06/2000	0001	1.420			#	0.0047	-
	mg/L	04/03/2001	0001	2.670		L	#	0.0062	-
	mg/L	06/06/2001	0001	2.420			#	0.0062	-
	mg/L	08/22/2001	0001	3.010		F	#	0.0062	-
Antimony	mg/L	12/06/2000	0001	0.00078	B	U	#	0.0003	-
	mg/L	04/03/2001	0001	0.00056	B	UL	#	0.0003	-
	mg/L	06/06/2001	0001	0.0008	U		#	0.0008	-
	mg/L	08/22/2001	0001	0.00028	B	UF	#	0.0002	-
Arsenic	mg/L	12/06/2000	0001	0.0002	U		#	0.0002	-
	mg/L	04/03/2001	0001	0.00051	B	L	#	0.0005	-
	mg/L	06/06/2001	0001	0.0005	U		#	0.0005	-
	mg/L	08/22/2001	0001	0.0005	U	F	#	0.0005	-
Cadmium	mg/L	12/06/2000	0001	0.0002	U		#	0.0002	-
	mg/L	04/03/2001	0001	0.0003	B	UL	#	0.0002	-
	mg/L	06/06/2001	0001	0.0004	U		#	0.0004	-
	mg/L	08/22/2001	0001	0.00071	B	F	#	0.0003	-
Calcium	mg/L	12/06/2000	0001	353.000			#	0.032	-
	mg/L	04/03/2001	0001	393.000		L	#	0.0642	-
	mg/L	06/06/2001	0001	429.000			#	0.0814	-
	mg/L	08/22/2001	0001	371.000		F	#	0.0814	-
Chloride	mg/L	12/06/2000	0001	720.000			#	2.4	-
	mg/L	04/03/2001	0001	790.000		L	#	0.149	-
	mg/L	06/06/2001	0001	634.000			#	0.149	-
	mg/L	08/22/2001	0001	624.000		F	#	0.149	-
Chromium	mg/L	12/06/2000	0001	0.0059	U		#	0.0059	-
	mg/L	04/03/2001	0001	0.0008	U	L	#	0.0008	-
	mg/L	06/06/2001	0001	0.0008	U		#	0.0008	-

GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS  
LOCATION: 0882  
REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Chromium	mg/L	08/22/2001	0001	0.0025	B	F	#	0.0008	-
Copper	mg/L	12/06/2000	0001	0.0025	U		#	0.0025	-
	mg/L	04/03/2001	0001	0.0034	U	L	#	0.0034	-
	mg/L	06/06/2001	0001	0.0023	B		#	0.0003	-
	mg/L	08/22/2001	0001	0.0003	U	F	#	0.0003	-
Gross Alpha	pCi/L	12/06/2000	0001	87.14	U	J	#	87.14	± 47.6
	pCi/L	04/03/2001	0001	103.50	U	JL	#	103.5	± 49.3
	pCi/L	06/06/2001	0001	104.21	U		#	104.21	± 50.4
	pCi/L	08/22/2001	0001	118.83	U	JF	#	118.83	± 62.2
Gross Beta	pCi/L	12/06/2000	0001	84.16	U		#	84.16	± 49.1
	pCi/L	04/03/2001	0001	117.96	U	L	#	117.96	± 68.0
	pCi/L	06/06/2001	0001	98.74	U		#	98.74	± 57.7
	pCi/L	08/22/2001	0001	118.89	U	F	#	118.89	± 69.9
Iron	mg/L	12/06/2000	0001	3.170			#	0.011	-
	mg/L	04/03/2001	0001	4.050		L	#	0.001	-
	mg/L	06/06/2001	0001	2.990			#	0.0008	-
	mg/L	08/22/2001	0001	4.120		F	#	0.0008	-
Lead	mg/L	12/06/2000	0001	0.0001	U		#	0.0001	-
	mg/L	04/03/2001	0001	0.00036	B	UL	#	0.0001	-
	mg/L	06/06/2001	0001	0.00034	B	U	#	0.0001	-
	mg/L	08/22/2001	0001	0.00015	B	F	#	0.0001	-
Lead-210	pCi/L	12/06/2000	0001	1.32	U		#	1.32	± 0.77
	pCi/L	04/03/2001	0001	1.25	U	L	#	1.25	± 0.71
	pCi/L	06/06/2001	0001	1.16	U		#	1.16	± 0.66
	pCi/L	08/22/2001	0001	1.35	U	F	#	1.35	± 0.79
Magnesium	mg/L	12/06/2000	0001	334.000			#	0.0471	-
	mg/L	04/03/2001	0001	302.000		L	#	0.0031	-
	mg/L	06/06/2001	0001	364.000			#	0.0034	-
	mg/L	08/22/2001	0001	339.000		F	#	0.0034	-
Manganese	mg/L	12/06/2000	0001	6.170			#	0.003	-
	mg/L	04/03/2001	0001	6.630		L	#	0.0001	-
	mg/L	06/06/2001	0001	6.940			#	0.0001	-
	mg/L	08/22/2001	0001	6.310		F	#	0.0001	-
Molybdenum	mg/L	12/06/2000	0001	0.00061	B		#	0.0003	-

GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS  
LOCATION: 0882  
REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Molybdenum	mg/L	04/03/2001	0001	0.00063	B	UL	#	0.0004	-
	mg/L	06/06/2001	0001	0.003	U		#	0.003	-
	mg/L	08/22/2001	0001	0.003	U	F	#	0.003	-
Nitrate as NO3	mg/L	12/06/2000	0001	0.108	B		#	0.0314	-
	mg/L	04/03/2001	0001	0.0175	B	L	#	0.0171	-
	mg/L	06/06/2001	0001	0.075	B		#	0.0171	-
	mg/L	08/22/2001	0001	0.116	B	F	#	0.0305	-
ORP of Zobell Solution	mV	12/06/2000	N001	252			#	-	-
	mV	04/03/2001	N001	215		L	#	-	-
	mV	06/06/2001	N001	225			#	-	-
	mV	08/22/2001	N001	224		F	#	-	-
Oxidation Reduction Potent	mV	12/06/2000	N001	-12			#	-	-
	mV	04/03/2001	N001	56		L	#	-	-
	mV	06/06/2001	N001	-5			#	-	-
	mV	08/22/2001	N001	-38		F	#	-	-
pH	s.u.	12/06/2000	N001	6.72			#	-	-
	s.u.	04/03/2001	N001	6.57		L	#	-	-
	s.u.	06/06/2001	N001	6.43			#	-	-
	s.u.	08/22/2001	N001	6.61		F	#	-	-
Polonium-210	pCi/L	12/06/2000	0001	0.08	U		#	0.08	± 0.09
	pCi/L	04/03/2001	0001	0.07	UB	L	#	0.07	± 0.04
	pCi/L	06/06/2001	0001	0.31	U		#	0.31	± 0.14
	pCi/L	08/22/2001	0001	0.07	U	F	#	0.07	± 0.04
Potassium	mg/L	12/06/2000	0001	34.700			#	0.0359	-
	mg/L	04/03/2001	0001	35.900		L	#	0.0091	-
	mg/L	06/06/2001	0001	38.200			#	0.0088	-
	mg/L	08/22/2001	0001	38.700		F	#	0.0088	-
Radium-226	pCi/L	12/06/2000	0001	0.15	U		#	0.15	± 0.09
	pCi/L	04/03/2001	0001	0.11	U	L	#	0.11	± 0.07
	pCi/L	06/06/2001	0001	0.14			#	0.11	± 0.08
	pCi/L	08/22/2001	0001	0.11	U	F	#	0.11	± 0.06
Radium-228	pCi/L	12/06/2000	0001	0.74	U		#	0.74	± 0.44
	pCi/L	04/03/2001	0001	0.86	U	L	#	0.86	± 0.51
	pCi/L	06/06/2001	0001	1.01	U		#	1.01	± 0.59

GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS  
LOCATION: 0882  
REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Radium-228	pCi/L	08/22/2001	0001	0.7	U	F	#	0.7	± 0.42
Selenium	mg/L	12/06/2000	0001	0.0024	B		#	0.0001	-
	mg/L	04/03/2001	0001	0.0016	B	L	#	0.0003	-
	mg/L	06/06/2001	0001	0.0021	B		#	0.0003	-
	mg/L	08/22/2001	0001	0.0036	B	F	#	0.0003	-
Sodium	mg/L	12/06/2000	0001	2570.000			#	52.5	-
	mg/L	04/03/2001	0001	3330.000		L	#	0.26	-
	mg/L	06/06/2001	0001	3030.000			#	0.085	-
	mg/L	08/22/2001	0001	3000.000		F	#	0.085	-
Specific Conductance	umhos/cm	12/06/2000	N001	12830			#	-	-
	umhos/cm	04/03/2001	N001	13100		L	#	-	-
	umhos/cm	06/06/2001	N001	12680			#	-	-
	umhos/cm	08/22/2001	N001	13700		F	#	-	-
Sulfate	mg/L	12/06/2000	0001	7070.000			#	5.89	-
	mg/L	04/03/2001	0001	7730.000		L	#	0.253	-
	mg/L	06/06/2001	0001	7460.000			#	0.253	-
	mg/L	08/22/2001	0001	7510.000		F	#	0.253	-
Temperature	C	12/06/2000	N001	12.3			#	-	-
	C	04/03/2001	N001	13.2		L	#	-	-
	C	06/06/2001	N001	15.8			#	-	-
	C	08/22/2001	N001	16.3		F	#	-	-
Temperature of Zobell Solu	C	12/06/2000	N001	7.6			#	-	-
	C	04/03/2001	N001	15.8		L	#	-	-
	C	06/06/2001	N001	19.8			#	-	-
	C	08/22/2001	N001	20.3		F	#	-	-
Thallium	mg/L	12/06/2000	0001	0.0001	U		#	0.0001	-
	mg/L	04/03/2001	0001	0.00032	B	UL	#	0.0001	-
	mg/L	06/06/2001	0001	0.00019	BE	UJ	#	-	-
	mg/L	08/22/2001	0001	0.0001	U	F	#	0.0001	-
Thorium-230	pCi/L	12/06/2000	0001	1.7	U		#	1.72	-
	pCi/L	04/03/2001	0001	0.92	U	L	#	0.92	-
	pCi/L	06/06/2001	0001	1.5	U		#	1.48	-
	pCi/L	08/22/2001	0001	4.4		F	#	1.48	-
Total Dissolved Solids	mg/L	12/06/2000	0001	12000			#	10	-

GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS  
LOCATION: 0882  
REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE: DATE	ID	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
Total Dissolved Solids	mg/L	04/03/2001	0001	13100	L	# 10	-
	mg/L	06/06/2001	0001	13100		# 10	-
	mg/L	08/22/2001	0001	12700	F	# 10	-
Turbidity	NTU	04/03/2001	N001	127	L	# -	-
	NTU	06/06/2001	N001	9.51		# -	-
	NTU	08/22/2001	N001	7.43	F	# -	-
Uranium	mg/L	12/06/2000	0001	0.0023		# 0.0001	-
	mg/L	04/03/2001	0001	0.0023	L	# 0.0001	-
	mg/L	06/06/2001	0001	0.003		# 0.0001	-
	mg/L	08/22/2001	0001	0.0021	F	# 0.0001	-
Uranium-234	pCi/L	04/03/2001	0001	0.88	L	# 0.4	-
Uranium-238	pCi/L	04/03/2001	0001	0.98	B L	# 0.1	-
Vanadium	mg/L	12/06/2000	0001	0.0015	U	# 0.0015	-
	mg/L	04/03/2001	0001	0.0004	U L	# 0.0004	-
	mg/L	06/06/2001	0001	0.0003	U	# 0.0003	-
	mg/L	08/22/2001	0001	0.0003	U F	# 0.0003	-
Zinc	mg/L	12/06/2000	0001	0.010	U	# 0.0102	-
	mg/L	04/03/2001	0001	0.0095	U L	# 0.0095	-
	mg/L	06/06/2001	0001	0.0184	B	# 0.0073	-
	mg/L	08/22/2001	0001	0.0759	F	# 0.0073	-



GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS  
LOCATION: 0882  
REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:		DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA QA		

RECORDS: SELECTED FROM USEE100 WHERE site\_code='DUR02' AND (NOT (data\_validation\_qualifiers LIKE "R" OR data\_validation\_qualifiers LIKE "X" ) OR IsNull(data\_validation\_qualifiers)) AND DATE\_SAMPLED <= #8/31/2001#

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LAB QUALIFIERS:

- \* Replicate analysis not within control limits.
- + Correlation coefficient for MSA < 0.995.
- A TIC is a suspected aldol-condensation product.
- B Inorganic: Result is between the IDL and CRDL. Organic: Analyte also found in method blank.
- E Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
- Z Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- H Holding time expired, value suspect.
- I Increased detection limit due to required dilution.
- C Pesticide result confirmed by GC-MS.
- M GFAA duplicate injection precision not met.
- N Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC).
- S Result determined by method of standard addition (MSA).
- U Analytical result below detection limit.
- W Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
- D Analyte determined in diluted sample.
- P > 25% difference in detected pesticide or Arochlor concentrations between 2 columns.
- X Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- Y Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- > Result above upper detection limit.
- J Estimated

DATA QUALIFIERS:

- |  |  |
|--|--|
| J Estimated value.                             | F Low flow sampling method used.                     |
| G Possible grout contamination, pH > 9.        | L Less than 3 bore volumes purged prior to sampling. |
| R Unusable result.                             | X Location is undefined.                             |
| U Parameter analyzed for but was not detected. |  |

QA QUALIFIER: # = validated according to Quality Assurance guidelines.

GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS  
LOCATION: 0883  
REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Alkalinity as CaCO3	mg/L	12/07/2000	0001	670		L	#	-	-
	mg/L	12/07/2000	N001	617		L	#	-	-
	mg/L	03/29/2001	0001	907		L	#	-	-
	mg/L	03/29/2001	N001	671		L	#	-	-
	mg/L	06/12/2001	0001	971		L	#	-	-
	mg/L	06/12/2001	N001	961		L	#	-	-
	mg/L	08/24/2001	0001	950		L	#	-	-
	mg/L	08/24/2001	N001	948		L	#	-	-
Ammonium	mg/L	12/07/2000	0001	2.010		L	#	0.0047	-
	mg/L	03/29/2001	0001	2.560		L	#	0.0062	-
	mg/L	06/12/2001	0001	2.570		L	#	0.0062	-
	mg/L	08/24/2001	0001	2.870		L	#	0.0062	-
Antimony	mg/L	12/07/2000	0001	0.00081	B	UL	#	0.0003	-
	mg/L	03/29/2001	0001	0.00043	B	UL	#	0.0003	-
	mg/L	06/12/2001	0001	0.0014	B	UL	#	0.0008	-
	mg/L	08/24/2001	0001	0.001	B	UL	#	0.0002	-
Arsenic	mg/L	12/07/2000	0001	0.00057	B	UL	#	0.0002	-
	mg/L	03/29/2001	0001	0.00052	B	L	#	0.0005	-
	mg/L	06/12/2001	0001	0.0005	U	L	#	0.0005	-
	mg/L	08/24/2001	0001	0.0005	U	L	#	0.0005	-
Cadmium	mg/L	12/07/2000	0001	0.0002	U	L	#	0.0002	-
	mg/L	03/29/2001	0001	0.00023	B	UL	#	0.0002	-
	mg/L	06/12/2001	0001	0.0004	U	L	#	0.0004	-
	mg/L	08/24/2001	0001	0.00071	B	UL	#	0.0003	-
Calcium	mg/L	12/07/2000	0001	14.600		L	#	0.032	-
	mg/L	03/29/2001	0001	13.500		L	#	0.0642	-
	mg/L	06/12/2001	0001	16.200		L	#	0.0814	-
	mg/L	08/24/2001	0001	15.300		L	#	0.0814	-
Chloride	mg/L	12/07/2000	0001	1100.000		L	#	0.6	-
	mg/L	03/29/2001	0001	1280.000		L	#	0.149	-
	mg/L	06/12/2001	0001	1360.000		L	#	0.0745	-
	mg/L	08/24/2001	0001	1520.000		L	#	0.0745	-
Chromium	mg/L	12/07/2000	0001	0.0059	U	L	#	0.0059	-
	mg/L	03/29/2001	0001	0.0008	U	L	#	0.0008	-

GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS  
LOCATION: 0883  
REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE: DATE	ID	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
Chromium	mg/L	06/12/2001	0001	0.0008	U L #	0.0008	-
	mg/L	08/24/2001	0001	0.0008	U L #	0.0008	-
Copper	mg/L	12/07/2000	0001	0.0025	U L #	0.0025	-
	mg/L	03/29/2001	0001	0.0034	U L #	0.0034	-
	mg/L	06/12/2001	0001	0.00076	B UL #	0.0003	-
	mg/L	08/24/2001	0001	0.00093	B UL #	0.0003	-
Gross Alpha	pCi/L	12/07/2000	0001	36.65	U JL #	36.65	± 18.9
	pCi/L	03/29/2001	0001	34.00	U JL #	34	± 18.6
	pCi/L	06/12/2001	0001	42.27	U L #	42.27	± 20.1
	pCi/L	08/24/2001	0001	44.05	U JL #	44.05	± 21.0
Gross Beta	pCi/L	12/07/2000	0001	38.96	U L #	38.96	± 21.9
	pCi/L	03/29/2001	0001	30.13	U L #	30.13	± 18.1
	pCi/L	06/12/2001	0001	37.23	U L #	37.23	± 22.2
	pCi/L	08/24/2001	0001	37.54	U L #	37.54	± 21.2
Iron	mg/L	12/07/2000	0001	0.232	L #	0.011	-
	mg/L	03/29/2001	0001	0.142	L #	0.001	-
	mg/L	06/12/2001	0001	0.0428	E JL #	0.0008	-
	mg/L	08/24/2001	0001	0.135	L #	0.0008	-
Lead	mg/L	12/07/2000	0001	0.00012	B L #	0.0001	-
	mg/L	03/29/2001	0001	0.00028	B UL #	0.0001	-
	mg/L	06/12/2001	0001	0.0001	B L #	0.0001	-
	mg/L	08/24/2001	0001	0.0001	U L #	0.0001	-
Lead-210	pCi/L	12/07/2000	0001	1.32	U L #	1.32	± 0.77
	pCi/L	03/29/2001	0001	1.19	U L #	1.19	± 0.67
	pCi/L	06/12/2001	0001	1.15	U L #	1.15	± 0.65
	pCi/L	08/24/2001	0001	1.3	U L #	1.3	± 0.74
Magnesium	mg/L	12/07/2000	0001	5.170	L #	0.0471	-
	mg/L	03/29/2001	0001	4.960	L #	0.0031	-
	mg/L	06/12/2001	0001	6.880	L #	0.0034	-
	mg/L	08/24/2001	0001	6.340	L #	0.0034	-
Manganese	mg/L	12/07/2000	0001	0.427	L #	0.003	-
	mg/L	03/29/2001	0001	0.270	L #	0.0001	-
	mg/L	06/12/2001	0001	0.0927	L #	0.0001	-
	mg/L	08/24/2001	0001	0.0657	L #	0.0001	-

## GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS

LOCATION: 0883

REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Molybdenum	mg/L	12/07/2000	0001	0.0052	B	L	#	0.0003	-
	mg/L	03/29/2001	0001	0.0023	B	UL	#	0.0004	-
	mg/L	06/12/2001	0001	0.0076	B	L	#	0.003	-
	mg/L	08/24/2001	0001	0.003	U	L	#	0.003	-
Nitrate as NO3	mg/L	12/07/2000	0001	0.0314	U	L	#	0.0314	-
	mg/L	03/29/2001	0001	0.0216	B	L	#	0.0171	-
	mg/L	06/12/2001	0001	0.266	B	L	#	0.0171	-
	mg/L	08/24/2001	0001	2.220		L	#	0.0305	-
ORP of Zobell Solution	mV	12/07/2000	N001	257		L	#	-	-
	mV	03/29/2001	N001	225		L	#	-	-
	mV	06/12/2001	N001	214		L	#	-	-
	mV	08/24/2001	N001	238		L	#	-	-
Oxidation Reduction Potent	mV	12/07/2000	N001	-133		L	#	-	-
	mV	03/29/2001	N001	-128		L	#	-	-
	mV	06/12/2001	N001	-223		L	#	-	-
	mV	08/24/2001	N001	-218		L	#	-	-
pH	s.u.	12/07/2000	N001	8.34		L	#	-	-
	s.u.	03/29/2001	N001	8.07		L	#	-	-
	s.u.	06/12/2001	N001	7.82		L	#	-	-
	s.u.	08/24/2001	N001	7.92		L	#	-	-
Polonium-210	pCi/L	12/07/2000	0001	0.07	U	L	#	0.07	± 0.09
	pCi/L	03/29/2001	0001	0.07	UB	L	#	0.07	± 0.04
	pCi/L	06/12/2001	0001	0.09		L	#	0.07	± 0.05
	pCi/L	08/24/2001	0001	0.09	U	L	#	0.09	± 0.05
Potassium	mg/L	12/07/2000	0001	7.490		L	#	0.0359	-
	mg/L	03/29/2001	0001	7.150		L	#	0.0091	-
	mg/L	06/12/2001	0001	9.670		L	#	0.0088	-
	mg/L	08/24/2001	0001	8.770		L	#	0.0088	-
Radium-226	pCi/L	12/07/2000	0001	0.49		L	#	0.16	± 0.13
	pCi/L	03/29/2001	0001	0.46		L	#	0.11	± 0.10
	pCi/L	06/12/2001	0001	0.54		L	#	0.11	± 0.10
	pCi/L	08/24/2001	0001	0.26		L	#	0.14	± 0.10
Radium-228	pCi/L	12/07/2000	0001	0.8	U	L	#	0.8	± 0.48
	pCi/L	03/29/2001	0001	0.88	U	L	#	0.88	± 0.51

## GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS

LOCATION: 0883

REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Radium-228	pCi/L	06/12/2001	0001	0.83	U	L	#	0.83	± 0.50
	pCi/L	08/24/2001	0001	0.84	U	L	#	0.84	± 0.51
Selenium	mg/L	12/07/2000	0001	0.0001	U	L	#	0.0001	-
	mg/L	03/29/2001	0001	0.0003	U	L	#	0.0003	-
	mg/L	06/12/2001	0001	0.0003	U	L	#	0.0003	-
	mg/L	08/24/2001	0001	0.0003	U	L	#	0.0003	-
Sodium	mg/L	12/07/2000	0001	1160.000		L	#	52.5	-
	mg/L	03/29/2001	0001	1410.000		L	#	0.052	-
	mg/L	06/12/2001	0001	1600.000	E	JL	#	0.085	-
	mg/L	08/24/2001	0001	1470.000		L	#	0.085	-
Specific Conductance	umhos/cm	12/07/2000	N001	4560		L	#	-	-
	umhos/cm	03/29/2001	N001	5810		L	#	-	-
	umhos/cm	06/12/2001	N001	6100		L	#	-	-
	umhos/cm	08/24/2001	N001	6420		L	#	-	-
Sulfate	mg/L	12/07/2000	0001	463.000		L	#	1.4725	-
	mg/L	03/29/2001	0001	480.000		L	#	0.1265	-
	mg/L	06/12/2001	0001	644.000		L	#	0.1265	-
	mg/L	08/24/2001	0001	535.000		L	#	0.1265	-
Temperature	C	12/07/2000	N001	12.9		L	#	-	-
	C	03/29/2001	N001	13.5		L	#	-	-
	C	06/12/2001	N001	18.7		L	#	-	-
	C	08/24/2001	N001	14		L	#	-	-
Temperature of Zobell Solu	C	12/07/2000	N001	2.5		L	#	-	-
	C	03/29/2001	N001	11.8		L	#	-	-
	C	06/12/2001	N001	23.8		L	#	-	-
	C	08/24/2001	N001	11.2		L	#	-	-
Thallium	mg/L	12/07/2000	0001	0.0001	U	L	#	0.0001	-
	mg/L	03/29/2001	0001	0.00032	B	UL	#	0.0001	-
	mg/L	06/12/2001	0001	0.00016	BE	UJL	#	-	-
	mg/L	08/24/2001	0001	0.0001	U	L	#	0.0001	-
Thorium-230	pCi/L	12/07/2000	0001	1.7	U	L	#	1.72	-
	pCi/L	03/29/2001	0001	0.92	U	L	#	0.92	-
	pCi/L	06/12/2001	0001	1.5	U	L	#	1.48	-
	pCi/L	08/24/2001	0001	1.5	U	L	#	1.48	-

## GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS

LOCATION: 0883

REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Total Dissolved Solids	mg/L	12/07/2000	0001	3350		L	#	10	-
	mg/L	03/29/2001	0001	3860		L	#	10	-
	mg/L	06/12/2001	0001	4280		L	#	10	-
	mg/L	08/24/2001	0001	4200		L	#	10	-
Turbidity	NTU	03/29/2001	N001	12.4		L	#	-	-
	NTU	06/12/2001	N001	99.8		L	#	-	-
	NTU	08/24/2001	N001	185		L	#	-	-
Uranium	mg/L	12/07/2000	0001	0.0032		L	#	0.0001	-
	mg/L	03/29/2001	0001	0.0018		L	#	0.0001	-
	mg/L	06/12/2001	0001	0.0022		L	#	0.0001	-
	mg/L	08/24/2001	0001	0.00087	B	L	#	0.0001	-
Uranium-234	pCi/L	03/29/2001	0001	0.4	U	L	#	0.4	-
Uranium-238	pCi/L	03/29/2001	0001	0.73	B	L	#	0.1	-
Vanadium	mg/L	12/07/2000	0001	0.0015	U	L	#	0.0015	-
	mg/L	03/29/2001	0001	0.0004	U	L	#	0.0004	-
	mg/L	06/12/2001	0001	0.0003	U	L	#	0.0003	-
	mg/L	08/24/2001	0001	0.00047	B	UL	#	0.0003	-
Zinc	mg/L	12/07/2000	0001	0.010	U	L	#	0.0102	-
	mg/L	03/29/2001	0001	0.0224	B	L	#	0.0095	-
	mg/L	06/12/2001	0001	0.0284	B	L	#	0.0073	-
	mg/L	08/24/2001	0001	0.0123	B	L	#	0.0073	-

GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS  
 LOCATION: 0883  
 REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		

RECORDS: SELECTED FROM USEE100 WHERE site\_code='DUR02' AND (NOT (data\_validation\_qualifiers LIKE "R" OR data\_validation\_qualifiers LIKE "X") OR IsNull(data\_validation\_qualifiers)) AND DATE\_SAMPLED <= #8/31/2001#

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LAB QUALIFIERS:

- \* Replicate analysis not within control limits.
- + Correlation coefficient for MSA < 0.995.
- A TIC is a suspected aldol-condensation product.
- B Inorganic: Result is between the IDL and CRDL. Organic: Analyte also found in method blank.
- E Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
- Z Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- H Holding time expired, value suspect.
- I Increased detection limit due to required dilution.
- C Pesticide result confirmed by GC-MS.
- M GFAA duplicate injection precision not met.
- N Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC).
- S Result determined by method of standard addition (MSA).
- U Analytical result below detection limit.
- W Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
- D Analyte determined in diluted sample.
- P > 25% difference in detected pesticide or Arochlor concentrations between 2 columns.
- X Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- Y Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- > Result above upper detection limit.
- J Estimated

DATA QUALIFIERS:

- |  |  |
|--|--|
| J Estimated value.                             | F Low flow sampling method used.                     |
| G Possible grout contamination, pH > 9.        | L Less than 3 bore volumes purged prior to sampling. |
| R Unusable result.                             | X Location is undefined.                             |
| U Parameter analyzed for but was not detected. |  |

QA QUALIFIER: # = validated according to Quality Assurance guidelines.

GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS  
LOCATION: 0884  
REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Alkalinity as CaCO3	mg/L	12/06/2000	0001	255			#	-	-
	mg/L	12/06/2000	N001	229			#	-	-
	mg/L	04/03/2001	0001	257			#	-	-
	mg/L	04/03/2001	N001	285			#	-	-
	mg/L	06/05/2001	0001	285		F	#	-	-
	mg/L	06/05/2001	N001	301		F	#	-	-
	mg/L	08/22/2001	0001	272		F	#	-	-
	mg/L	08/22/2001	N001	268		F	#	-	-
Ammonium	mg/L	12/06/2000	0001	0.0047	U		#	0.0047	-
	mg/L	04/03/2001	0001	0.0062	U		#	0.0062	-
	mg/L	06/05/2001	0001	0.0062	U	F	#	0.0062	-
	mg/L	08/22/2001	0001	0.0062	U	F	#	0.0062	-
Antimony	mg/L	12/06/2000	0001	0.00068	B	U	#	0.0003	-
	mg/L	04/03/2001	0001	0.00041	B	U	#	0.0003	-
	mg/L	06/05/2001	0001	0.0008	U	F	#	0.0008	-
	mg/L	08/22/2001	0001	0.00057	B	UF	#	0.0002	-
Arsenic	mg/L	12/06/2000	0001	0.0002	U		#	0.0002	-
	mg/L	04/03/2001	0001	0.0005	U		#	0.0005	-
	mg/L	06/05/2001	0001	0.0005	U	F	#	0.0005	-
	mg/L	08/22/2001	0001	0.0005	U	F	#	0.0005	-
Cadmium	mg/L	12/06/2000	0001	0.0011			#	0.0002	-
	mg/L	04/03/2001	0001	0.0013			#	0.0002	-
	mg/L	06/05/2001	0001	0.0016		F	#	0.0004	-
	mg/L	08/22/2001	0001	0.0021		F	#	0.0003	-
Calcium	mg/L	12/06/2000	0001	189.000			#	0.032	-
	mg/L	04/03/2001	0001	310.000			#	0.0642	-
	mg/L	06/05/2001	0001	386.000		F	#	0.0814	-
	mg/L	08/22/2001	0001	369.000		F	#	0.0814	-
Chloride	mg/L	12/06/2000	0001	194.000			#	0.096	-
	mg/L	04/03/2001	0001	141.000			#	0.0745	-
	mg/L	06/05/2001	0001	194.000		F	#	0.0745	-
	mg/L	08/22/2001	0001	241.000		F	#	0.0745	-
Chromium	mg/L	12/06/2000	0001	0.0059	U		#	0.0059	-
	mg/L	04/03/2001	0001	0.0008	U		#	0.0008	-



## GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS

LOCATION: 0884

REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Chromium	mg/L	06/05/2001	0001	0.0017	B	F	#	0.0008	-
	mg/L	08/22/2001	0001	0.0008	U	F	#	0.0008	-
Copper	mg/L	12/06/2000	0001	0.0025	U		#	0.0025	-
	mg/L	04/03/2001	0001	0.0034	U		#	0.0034	-
	mg/L	06/05/2001	0001	0.0019	B	F	#	0.0003	-
	mg/L	08/22/2001	0001	0.0189	B	F	#	0.0003	-
Gross Alpha	pCi/L	12/06/2000	0001	28.79		J	#	20.97	± 15.0
	pCi/L	04/03/2001	0001	35.85	U	J	#	35.85	± 21.2
	pCi/L	06/05/2001	0001	42.53	U	F	#	42.53	± 27.0
	pCi/L	08/22/2001	0001	49.59	U	JF	#	49.59	± 31.9
Gross Beta	pCi/L	12/06/2000	0001	27.88			#	19.81	± 12.7
	pCi/L	04/03/2001	0001	39.56	U		#	39.56	± 23.6
	pCi/L	06/05/2001	0001	39.78	U	F	#	39.78	± 24.3
	pCi/L	08/22/2001	0001	51.92		F	#	49.8	± 31.1
Iron	mg/L	12/06/2000	0001	0.011	U		#	0.011	-
	mg/L	04/03/2001	0001	0.203			#	0.001	-
	mg/L	06/05/2001	0001	0.0081	B	F	#	0.0008	-
	mg/L	08/22/2001	0001	0.0308		F	#	0.0008	-
Lead	mg/L	12/06/2000	0001	0.0001	U		#	0.0001	-
	mg/L	04/03/2001	0001	0.00013	B	U	#	0.0001	-
	mg/L	06/05/2001	0001	0.00032	B	UF	#	0.0001	-
	mg/L	08/22/2001	0001	0.0012	B	F	#	0.0001	-
Lead-210	pCi/L	12/06/2000	0001	1.22	U		#	1.22	± 0.72
	pCi/L	04/03/2001	0001	1.22	U		#	1.22	± 0.69
	pCi/L	06/05/2001	0001	1.25	U	F	#	1.25	± 0.72
	pCi/L	08/22/2001	0001	1.31	U	F	#	1.31	± 0.76
Magnesium	mg/L	12/06/2000	0001	122.000			#	0.0471	-
	mg/L	04/03/2001	0001	181.000			#	0.0031	-
	mg/L	06/05/2001	0001	224.000		F	#	0.0034	-
	mg/L	08/22/2001	0001	205.000		F	#	0.0034	-
Manganese	mg/L	12/06/2000	0001	0.0168			#	0.003	-
	mg/L	04/03/2001	0001	0.0383			#	0.0001	-
	mg/L	06/05/2001	0001	0.0001	U	F	#	0.0001	-
	mg/L	08/22/2001	0001	0.0001	U	F	#	0.0001	-

## GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS

LOCATION: 0884

REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Molybdenum	mg/L	12/06/2000	0001	0.0015	B		#	0.0003	-
	mg/L	04/03/2001	0001	0.0018	B	U	#	0.0004	-
	mg/L	06/05/2001	0001	0.003	U	F	#	0.003	-
	mg/L	08/22/2001	0001	0.003	U	F	#	0.003	-
Nitrate as NO3	mg/L	12/06/2000	0001	7.680			#	0.0314	-
	mg/L	04/03/2001	0001	14.400			#	0.0171	-
	mg/L	06/05/2001	0001	13.800		F	#	0.0171	-
	mg/L	08/22/2001	0001	10.600		F	#	0.0305	-
ORP of Zobell Solution	mV	12/06/2000	N001	253			#	-	-
	mV	04/03/2001	N001	218			#	-	-
	mV	06/05/2001	N001	225		F	#	-	-
	mV	08/22/2001	N001	224		F	#	-	-
Oxidation Reduction Potent	mV	12/06/2000	N001	129			#	-	-
	mV	04/03/2001	N001	27			#	-	-
	mV	06/05/2001	N001	73		F	#	-	-
	mV	08/22/2001	N001	120		F	#	-	-
pH	s.u.	12/06/2000	N001	7.14			#	-	-
	s.u.	04/03/2001	N001	7.2			#	-	-
	s.u.	06/05/2001	N001	6.97		F	#	-	-
	s.u.	08/22/2001	N001	7.05		F	#	-	-
Polonium-210	pCi/L	12/06/2000	0001	0.06		U	#	0.03	± 0.05
	pCi/L	04/03/2001	0001	0.08	UB		#	0.08	± 0.05
	pCi/L	06/05/2001	0001	0.28	U	F	#	0.28	± 0.14
	pCi/L	08/22/2001	0001	0.08	U	F	#	0.08	± 0.04
Potassium	mg/L	12/06/2000	0001	17.500			#	0.0359	-
	mg/L	04/03/2001	0001	21.100			#	0.0091	-
	mg/L	06/05/2001	0001	27.400		F	#	0.0088	-
	mg/L	08/22/2001	0001	28.200		F	#	0.0088	-
Radium-226	pCi/L	12/06/2000	0001	0.14	U		#	0.14	± 0.09
	pCi/L	04/03/2001	0001	0.11	U		#	0.11	± 0.07
	pCi/L	06/05/2001	0001	0.23		F	#	0.1	± 0.08
	pCi/L	08/22/2001	0001	0.12		F	#	0.1	± 0.06
Radium-228	pCi/L	12/06/2000	0001	0.73	U		#	0.73	± 0.43
	pCi/L	04/03/2001	0001	0.85	U		#	0.85	± 0.50

## GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS

LOCATION: 0884

REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Radium-228	pCi/L	06/05/2001	0001	0.92	U	F	#	0.92	± 0.54
	pCi/L	08/22/2001	0001	0.68	U	F	#	0.68	± 0.40
Selenium	mg/L	12/06/2000	0001	1.220			#	1	-
	mg/L	04/03/2001	0001	1.970			#	0.03	-
	mg/L	06/05/2001	0001	2.990		F	#	0.06	-
	mg/L	08/22/2001	0001	2.320		F	#	0.06	-
Sodium	mg/L	12/06/2000	0001	466.000			#	0.525	-
	mg/L	04/03/2001	0001	896.000			#	0.052	-
	mg/L	06/05/2001	0001	1010.000		F	#	0.085	-
	mg/L	08/22/2001	0001	909.000		F	#	0.085	-
Specific Conductance	umhos/cm	12/06/2000	N001	3420			#	-	-
	umhos/cm	04/03/2001	N001	5240			#	-	-
	umhos/cm	06/05/2001	N001	6020		F	#	-	-
	umhos/cm	08/22/2001	N001	5960		F	#	-	-
Sulfate	mg/L	12/06/2000	0001	1420.000			#	0.2356	-
	mg/L	04/03/2001	0001	2930.000			#	0.1265	-
	mg/L	06/05/2001	0001	3320.000		F	#	0.1265	-
	mg/L	08/22/2001	0001	3150.000		F	#	0.1265	-
Temperature	C	12/06/2000	N001	14.7			#	-	-
	C	04/03/2001	N001	14.1			#	-	-
	C	06/05/2001	N001	15.1		F	#	-	-
	C	08/22/2001	N001	15.6		F	#	-	-
Temperature of Zobell Solu	C	12/06/2000	N001	4.8			#	-	-
	C	04/03/2001	N001	14.5			#	-	-
	C	06/05/2001	N001	19.7		F	#	-	-
	C	08/22/2001	N001	20.3		F	#	-	-
Thallium	mg/L	12/06/2000	0001	0.0001	U		#	0.0001	-
	mg/L	04/03/2001	0001	0.00034	B	U	#	0.0001	-
	mg/L	06/05/2001	0001	0.00021	BE	UJF	#	-	-
	mg/L	08/22/2001	0001	0.0001	U	F	#	0.0001	-
Thorium-230	pCi/L	12/06/2000	0001	1.7	U		#	1.72	-
	pCi/L	04/03/2001	0001	0.92	U		#	0.92	-
	pCi/L	06/05/2001	0001	1.5	U	F	#	1.48	-
	pCi/L	08/22/2001	0001	1.6	B	F	#	1.48	-

## GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS

LOCATION: 0884

REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Total Dissolved Solids	mg/L	12/06/2000	0001	2800				# 10	-
	mg/L	04/03/2001	0001	4860				# 10	-
	mg/L	06/05/2001	0001	5680		F		# 10	-
	mg/L	08/22/2001	0001	5430		F		# 10	-
Turbidity	NTU	12/06/2000	N001	9.63				# -	-
	NTU	04/03/2001	N001	217				# -	-
	NTU	06/05/2001	N001	4.99		F		# -	-
	NTU	08/22/2001	N001	4.41		F		# -	-
Uranium	mg/L	12/06/2000	0001	0.0516				# 0.0001	-
	mg/L	04/03/2001	0001	0.0705				# 0.0001	-
	mg/L	06/05/2001	0001	0.104		F		# 0.0001	-
	mg/L	08/22/2001	0001	0.107		F		# 0.0001	-
Uranium-234	pCi/L	04/03/2001	0001	23.7				# 0.4	-
Uranium-238	pCi/L	04/03/2001	0001	39.4				# 0.1	-
Vanadium	mg/L	12/06/2000	0001	0.0015	U			# 0.0015	-
	mg/L	04/03/2001	0001	0.00078	B			# 0.0004	-
	mg/L	06/05/2001	0001	0.0008	B	F		# 0.0003	-
	mg/L	08/22/2001	0001	0.00094	B	F		# 0.0003	-
Zinc	mg/L	12/06/2000	0001	0.0463	B			# 0.0102	-
	mg/L	04/03/2001	0001	0.080				# 0.0095	-
	mg/L	06/05/2001	0001	0.102		F		# 0.0073	-
	mg/L	08/22/2001	0001	0.214		F		# 0.0073	-

GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS  
LOCATION: 0884  
REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		

RECORDS: SELECTED FROM USEE100 WHERE site\_code='DUR02' AND (NOT (data\_validation\_qualifiers LIKE "R" OR data\_validation\_qualifiers LIKE "X") OR IsNull(data\_validation\_qualifiers)) AND DATE\_SAMPLED <= #8/31/2001#

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LAB QUALIFIERS:

- \* Replicate analysis not within control limits.
- + Correlation coefficient for MSA < 0.995.
- A TIC is a suspected aldol-condensation product.
- B Inorganic: Result is between the IDL and CRDL. Organic: Analyte also found in method blank.
- E Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
- Z Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- H Holding time expired, value suspect.
- I Increased detection limit due to required dilution.
- C Pesticide result confirmed by GC-MS.
- M GFAA duplicate injection precision not met.
- N Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC).
- S Result determined by method of standard addition (MSA).
- U Analytical result below detection limit.
- W Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
- D Analyte determined in diluted sample.
- P > 25% difference in detected pesticide or Arochlor concentrations between 2 columns.
- X Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- Y Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- > Result above upper detection limit.
- J Estimated

DATA QUALIFIERS:

- |  |  |
|--|--|
| J Estimated value.                             | F Low flow sampling method used.                     |
| G Possible grout contamination, pH > 9.        | L Less than 3 bore volumes purged prior to sampling. |
| R Unusable result.                             | X Location is undefined.                             |
| U Parameter analyzed for but was not detected. |  |

QA QUALIFIER: # = validated according to Quality Assurance guidelines.

## GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS

LOCATION: 0886

REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Alkalinity as CaCO3	mg/L	12/06/2000	0001	624		L	#	-	-
	mg/L	12/06/2000	N001	660		L	#	-	-
	mg/L	04/03/2001	0001	370			#	-	-
	mg/L	04/03/2001	N001	356			#	-	-
	mg/L	06/06/2001	0001	559		L	#	-	-
	mg/L	06/06/2001	N001	876		L	#	-	-
	mg/L	08/22/2001	0001	413		F	#	-	-
	mg/L	08/22/2001	N001	414		F	#	-	-
Ammonium	mg/L	12/06/2000	0001	0.767		L	#	0.0047	-
	mg/L	04/03/2001	0001	0.033	B		#	0.0062	-
	mg/L	06/06/2001	0001	0.197		L	#	0.0062	-
	mg/L	08/22/2001	0001	0.116		F	#	0.0062	-
Antimony	mg/L	12/06/2000	0001	0.00077	B	UL	#	0.0003	-
	mg/L	04/03/2001	0001	0.00043	B	U	#	0.0003	-
	mg/L	06/06/2001	0001	0.0008	U	L	#	0.0008	-
	mg/L	08/22/2001	0001	0.00025	B	UF	#	0.0002	-
Arsenic	mg/L	12/06/2000	0001	0.00033	B	L	#	0.0002	-
	mg/L	04/03/2001	0001	0.0005	U		#	0.0005	-
	mg/L	06/06/2001	0001	0.0005	U	L	#	0.0005	-
	mg/L	08/22/2001	0001	0.0005	U	F	#	0.0005	-
Cadmium	mg/L	12/06/2000	0001	0.0002	U	L	#	0.0002	-
	mg/L	04/03/2001	0001	0.00028	B	U	#	0.0002	-
	mg/L	06/06/2001	0001	0.0004	U	L	#	0.0004	-
	mg/L	08/22/2001	0001	0.00069	B	F	#	0.0003	-
Calcium	mg/L	12/06/2000	0001	78.200		L	#	0.032	-
	mg/L	04/03/2001	0001	170.000			#	0.0642	-
	mg/L	06/06/2001	0001	161.000		L	#	0.0814	-
	mg/L	08/22/2001	0001	156.000		F	#	0.0814	-
Chloride	mg/L	12/06/2000	0001	22.100		L	#	0.024	-
	mg/L	04/03/2001	0001	50.800			#	0.0149	-
	mg/L	06/06/2001	0001	82.400		L	#	0.0298	-
	mg/L	08/22/2001	0001	80.600		F	#	0.0298	-
Chromium	mg/L	12/06/2000	0001	0.0059	U	L	#	0.0059	-
	mg/L	04/03/2001	0001	0.0008	U		#	0.0008	-

## GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS

LOCATION: 0886

REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Chromium	mg/L	06/06/2001	0001	0.0008	U	L	#	0.0008	-
	mg/L	08/22/2001	0001	0.0008	U	F	#	0.0008	-
Copper	mg/L	12/06/2000	0001	0.0025	U	L	#	0.0025	-
	mg/L	04/03/2001	0001	0.0034	U		#	0.0034	-
	mg/L	06/06/2001	0001	0.0011	B	L	#	0.0003	-
	mg/L	08/22/2001	0001	0.0003	U	F	#	0.0003	-
Gross Alpha	pCi/L	12/06/2000	0001	10.86	U	JL	#	10.86	± 6.54
	pCi/L	04/03/2001	0001	11.76	U	J	#	11.76	± 6.28
	pCi/L	06/06/2001	0001	15.86	U	L	#	15.86	± 8.27
	pCi/L	08/22/2001	0001	10.84	U	F	#	10.84	± 6.03
Gross Beta	pCi/L	12/06/2000	0001	9.89	U	L	#	9.89	± 6.00
	pCi/L	04/03/2001	0001	11.92	U		#	11.92	± 6.95
	pCi/L	06/06/2001	0001	14.85	U	L	#	14.85	± 8.43
	pCi/L	08/22/2001	0001	10.4	U	F	#	10.4	± 6.16
Iron	mg/L	12/06/2000	0001	0.161		L	#	0.011	-
	mg/L	04/03/2001	0001	0.248			#	0.001	-
	mg/L	06/06/2001	0001	2.950		L	#	0.0008	-
	mg/L	08/22/2001	0001	1.170		F	#	0.0008	-
Lead	mg/L	12/06/2000	0001	0.0001	U	L	#	0.0001	-
	mg/L	04/03/2001	0001	0.00021	B	U	#	0.0001	-
	mg/L	06/06/2001	0001	0.00028	B	UL	#	0.0001	-
	mg/L	08/22/2001	0001	0.0001	U	F	#	0.0001	-
Lead-210	pCi/L	12/06/2000	0001	1.19	U	L	#	1.19	± 0.68
	pCi/L	04/03/2001	0001	1.2	U		#	1.2	± 0.70
	pCi/L	06/06/2001	0001	1.25	U	L	#	1.25	± 0.72
	pCi/L	08/22/2001	0001	1.3	U	F	#	1.3	± 0.77
Magnesium	mg/L	12/06/2000	0001	51.100		L	#	0.0471	-
	mg/L	04/03/2001	0001	115.000			#	0.0031	-
	mg/L	06/06/2001	0001	134.000		L	#	0.0034	-
	mg/L	08/22/2001	0001	117.000		F	#	0.0034	-
Manganese	mg/L	12/06/2000	0001	0.605		L	#	0.003	-
	mg/L	04/03/2001	0001	0.090			#	0.0001	-
	mg/L	06/06/2001	0001	0.205		L	#	0.0001	-
	mg/L	08/22/2001	0001	0.194		F	#	0.0001	-

GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS  
LOCATION: 0886  
REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Molybdenum	mg/L	12/06/2000	0001	0.0031	B	L	#	0.0003	-
	mg/L	04/03/2001	0001	0.0011	B	U	#	0.0004	-
	mg/L	06/06/2001	0001	0.003	U	L	#	0.003	-
	mg/L	08/22/2001	0001	0.003	U	F	#	0.003	-
Nitrate as NO3	mg/L	12/06/2000	0001	0.926	B	L	#	0.0314	-
	mg/L	04/03/2001	0001	18.900			#	0.0171	-
	mg/L	06/06/2001	0001	10.500		L	#	0.0171	-
	mg/L	08/22/2001	0001	7.120		F	#	0.0305	-
ORP of Zobell Solution	mV	12/06/2000	N001	253		L	#	-	-
	mV	04/03/2001	N001	218			#	-	-
	mV	06/06/2001	N001	232		L	#	-	-
	mV	08/22/2001	N001	223		F	#	-	-
Oxidation Reduction Potent	mV	12/06/2000	N001	-77		L	#	-	-
	mV	04/03/2001	N001	-20			#	-	-
	mV	06/06/2001	N001	-147		L	#	-	-
	mV	08/22/2001	N001	-99		F	#	-	-
pH	s.u.	12/06/2000	N001	7.75		L	#	-	-
	s.u.	04/03/2001	N001	7.08			#	-	-
	s.u.	06/06/2001	N001	7.08		L	#	-	-
	s.u.	08/22/2001	N001	7.28		F	#	-	-
Polonium-210	pCi/L	12/06/2000	0001	0.07	U	L	#	0.07	± 0.07
	pCi/L	04/03/2001	0001	0.09	B	U	#	0.06	± 0.04
	pCi/L	06/06/2001	0001	0.35	U	L	#	0.35	± 0.17
	pCi/L	08/22/2001	0001	0.06	U	F	#	0.06	± 0.04
Potassium	mg/L	12/06/2000	0001	5.580		L	#	0.0359	-
	mg/L	04/03/2001	0001	5.240			#	0.0091	-
	mg/L	06/06/2001	0001	5.650		L	#	0.0088	-
	mg/L	08/22/2001	0001	5.260		F	#	0.0088	-
Radium-226	pCi/L	12/06/2000	0001	0.65		L	#	0.15	± 0.14
	pCi/L	04/03/2001	0001	0.16			#	0.11	± 0.07
	pCi/L	06/06/2001	0001	0.31		L	#	0.1	± 0.08
	pCi/L	08/22/2001	0001	0.19		F	#	0.11	± 0.08
Radium-228	pCi/L	12/06/2000	0001	0.73		L	#	0.7	± 0.43
	pCi/L	04/03/2001	0001	0.85	U		#	0.85	± 0.49



## GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS

LOCATION: 0886

REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Radium-228	pCi/L	06/06/2001	0001	0.97	U	L	#	0.97	± 0.57
	pCi/L	08/22/2001	0001	0.96	U	F	#	0.96	± 0.57
Selenium	mg/L	12/06/2000	0001	0.00057	B	L	#	0.0001	-
	mg/L	04/03/2001	0001	0.0078			#	0.0003	-
	mg/L	06/06/2001	0001	0.006		L	#	0.0003	-
	mg/L	08/22/2001	0001	0.0031	B	F	#	0.0003	-
Sodium	mg/L	12/06/2000	0001	367.000		L	#	0.525	-
	mg/L	04/03/2001	0001	99.100			#	0.0052	-
	mg/L	06/06/2001	0001	259.000		L	#	0.0085	-
	mg/L	08/22/2001	0001	106.000		F	#	0.0085	-
Specific Conductance	umhos/cm	12/06/2000	N001	2580		L	#	-	-
	umhos/cm	04/03/2001	N001	1439			#	-	-
	umhos/cm	06/06/2001	N001	2490		L	#	-	-
	umhos/cm	08/22/2001	N001	1962		F	#	-	-
Sulfate	mg/L	12/06/2000	0001	154.000		L	#	0.0589	-
	mg/L	04/03/2001	0001	695.000			#	0.0253	-
	mg/L	06/06/2001	0001	744.000		L	#	0.0506	-
	mg/L	08/22/2001	0001	619.000		F	#	0.0506	-
Temperature	C	12/06/2000	N001	13.3		L	#	-	-
	C	04/03/2001	N001	12.5			#	-	-
	C	06/06/2001	N001	13.7		L	#	-	-
	C	08/22/2001	N001	18.9		F	#	-	-
Temperature of Zobell Solu	C	12/06/2000	N001	3.4		L	#	-	-
	C	04/03/2001	N001	13			#	-	-
	C	06/06/2001	N001	17		L	#	-	-
	C	08/22/2001	N001	20.1		F	#	-	-
Thallium	mg/L	12/06/2000	0001	0.0001	U	L	#	0.0001	-
	mg/L	04/03/2001	0001	0.00033	B	U	#	0.0001	-
	mg/L	06/06/2001	0001	0.00017	BE	UJL	#	-	-
	mg/L	08/22/2001	0001	0.0001	U	F	#	0.0001	-
Thorium-230	pCi/L	12/06/2000	0001	1.7	U	L	#	1.72	-
	pCi/L	04/03/2001	0001	0.92	U		#	0.92	-
	pCi/L	06/06/2001	0001	1.5	U	L	#	1.48	-
	pCi/L	08/22/2001	0001	1.5	U	F	#	1.48	-

GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS  
LOCATION: 0886  
REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Total Dissolved Solids	mg/L	12/06/2000	0001	1300	L		#	10	-
	mg/L	04/03/2001	0001	1520			#	10	-
	mg/L	06/06/2001	0001	1920	L		#	10	-
	mg/L	08/22/2001	0001	1440	F		#	10	-
Turbidity	NTU	04/03/2001	N001	44.7			#	-	-
	NTU	06/06/2001	N001	78.7	L		#	-	-
	NTU	08/22/2001	N001	7.29	F		#	-	-
Uranium	mg/L	12/06/2000	0001	0.0042	L		#	0.0001	-
	mg/L	04/03/2001	0001	0.0053			#	0.0001	-
	mg/L	06/06/2001	0001	0.0056	L		#	0.0001	-
	mg/L	08/22/2001	0001	0.0041	F		#	0.0001	-
Uranium-234	pCi/L	04/03/2001	0001	3			#	0.4	-
Uranium-238	pCi/L	04/03/2001	0001	3.3			#	0.1	-
Vanadium	mg/L	12/06/2000	0001	0.0015	U	L	#	0.0015	-
	mg/L	04/03/2001	0001	0.0004	U		#	0.0004	-
	mg/L	06/06/2001	0001	0.0003	U	L	#	0.0003	-
	mg/L	08/22/2001	0001	0.00031	B	F	#	0.0003	-
Zinc	mg/L	12/06/2000	0001	0.010	U	L	#	0.0102	-
	mg/L	04/03/2001	0001	0.0095	U		#	0.0095	-
	mg/L	06/06/2001	0001	0.0148	B	L	#	0.0073	-
	mg/L	08/22/2001	0001	0.0073	U	F	#	0.0073	-

GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS  
 LOCATION: 0886  
 REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		

RECORDS: SELECTED FROM USEE100 WHERE site\_code='DUR02' AND (NOT (data\_validation\_qualifiers LIKE "R" OR data\_validation\_qualifiers LIKE "X" ) OR IsNull(data\_validation\_qualifiers)) AND DATE\_SAMPLED <= #8/31/2001#

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LAB QUALIFIERS:

- \* Replicate analysis not within control limits.
- + Correlation coefficient for MSA < 0.995.
- A TIC is a suspected aldol-condensation product.
- B Inorganic: Result is between the IDL and CRDL. Organic: Analyte also found in method blank.
- E Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
- Z Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- H Holding time expired, value suspect.
- I Increased detection limit due to required dilution.
- C Pesticide result confirmed by GC-MS.
- M GFAA duplicate injection precision not met.
- N Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC).
- S Result determined by method of standard addition (MSA).
- U Analytical result below detection limit.
- W Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
- D Analyte determined in diluted sample.
- P > 25% difference in detected pesticide or Arochlor concentrations between 2 columns.
- X Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- Y Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- > Result above upper detection limit.
- J Estimated

DATA QUALIFIERS:

- |  |  |
|--|--|
| J Estimated value.                             | F Low flow sampling method used.                     |
| G Possible grout contamination, pH > 9.        | L Less than 3 bore volumes purged prior to sampling. |
| R Unusable result.                             | X Location is undefined.                             |
| U Parameter analyzed for but was not detected. |  |

QA QUALIFIER: # = validated according to Quality Assurance guidelines.

## GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS

LOCATION: 0887

REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Alkalinity as CaCO3	mg/L	11/30/2000	0001	478		L	#	-	-
	mg/L	11/30/2000	N001	598		L	#	-	-
	mg/L	04/04/2001	0001	514		L	#	-	-
	mg/L	04/04/2001	N001	502		L	#	-	-
	mg/L	06/11/2001	0001	453		L	#	-	-
	mg/L	06/11/2001	N001	466		L	#	-	-
	mg/L	08/20/2001	0001	494		L	#	-	-
	mg/L	08/20/2001	N001	497		L	#	-	-
Ammonium	mg/L	11/30/2000	0001	3.460		L	#	0.0047	-
	mg/L	04/04/2001	0001	3.330		L	#	0.0062	-
	mg/L	06/11/2001	0001	3.390		L	#	0.0062	-
	mg/L	08/20/2001	0001	3.110		L	#	0.0062	-
Antimony	mg/L	11/30/2000	0001	0.0011	B	UL	#	0.0003	-
	mg/L	04/04/2001	0001	0.0006	B	UL	#	0.0003	-
	mg/L	06/11/2001	0001	0.0012	B	UL	#	0.0008	-
	mg/L	08/20/2001	0001	0.0003	B	UL	#	0.0002	-
Arsenic	mg/L	11/30/2000	0001	0.00057	B	L	#	0.0002	-
	mg/L	04/04/2001	0001	0.0005	U	L	#	0.0005	-
	mg/L	06/11/2001	0001	0.0005	U	L	#	0.0005	-
	mg/L	08/20/2001	0001	0.0005	U	L	#	0.0005	-
Cadmium	mg/L	11/30/2000	0001	0.0002	U	L	#	0.0002	-
	mg/L	04/04/2001	0001	0.00026	B	UL	#	0.0002	-
	mg/L	06/11/2001	0001	0.0004	U	L	#	0.0004	-
	mg/L	08/20/2001	0001	0.0007	B	UL	#	0.0003	-
Calcium	mg/L	11/30/2000	0001	319.000		L	#	0.032	-
	mg/L	04/04/2001	0001	336.000		L	#	0.0642	-
	mg/L	06/11/2001	0001	356.000		L	#	0.0814	-
	mg/L	08/20/2001	0001	348.000		L	#	0.0814	-
Chloride	mg/L	11/30/2000	0001	455.000		L	#	0.6	-
	mg/L	04/04/2001	0001	467.000		L	#	0.0745	-
	mg/L	06/11/2001	0001	457.000		L	#	0.0745	-
	mg/L	08/20/2001	0001	463.000		L	#	0.0745	-
Chromium	mg/L	11/30/2000	0001	0.0059	U	L	#	0.0059	-
	mg/L	04/04/2001	0001	0.0008	U	L	#	0.0008	-

## GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS

LOCATION: 0887

REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Chromium	mg/L	06/11/2001	0001	0.0008	U	L	#	0.0008	-
	mg/L	08/20/2001	0001	0.0008	U	L	#	0.0008	-
Copper	mg/L	11/30/2000	0001	0.0025	U	L	#	0.0025	-
	mg/L	04/04/2001	0001	0.0034	U	L	#	0.0034	-
	mg/L	06/11/2001	0001	0.0033	B	L	#	0.0003	-
	mg/L	08/20/2001	0001	0.0011	B	UL	#	0.0003	-
Gross Alpha	pCi/L	11/30/2000	0001	42.71	U	L	#	42.71	± 22.0
	pCi/L	04/04/2001	0001	49.36	U	JL	#	49.36	± 24.3
	pCi/L	06/11/2001	0001	51.39	U	L	#	51.39	± 28.8
	pCi/L	08/20/2001	0001	45.5	U	L	#	45.5	± 24.2
Gross Beta	pCi/L	11/30/2000	0001	39.38	U	L	#	39.38	± 22.7
	pCi/L	04/04/2001	0001	53.81	U	L	#	53.81	± 30.9
	pCi/L	06/11/2001	0001	49.46	U	L	#	49.46	± 29.4
	pCi/L	08/20/2001	0001	46.54	U	L	#	46.54	± 25.9
Iron	mg/L	11/30/2000	0001	2.790		L	#	0.011	-
	mg/L	04/04/2001	0001	0.849		L	#	0.001	-
	mg/L	06/11/2001	0001	2.600	E	JL	#	0.0008	-
	mg/L	08/20/2001	0001	3.690		L	#	0.0008	-
Lead	mg/L	11/30/2000	0001	0.0001	U	L	#	0.0001	-
	mg/L	04/04/2001	0001	0.00016	B	UL	#	0.0001	-
	mg/L	06/11/2001	0001	0.0001	U	L	#	0.0001	-
	mg/L	08/20/2001	0001	0.0001	U	L	#	0.0001	-
Lead-210	pCi/L	11/30/2000	0001	1.28	U	L	#	1.28	± 0.72
	pCi/L	04/04/2001	0001	1.30	U	L	#	1.3	± 0.74
	pCi/L	06/11/2001	0001	1.37	U	L	#	1.37	± 0.77
	pCi/L	08/20/2001	0001	1.45	U	L	#	1.45	± 0.87
Magnesium	mg/L	11/30/2000	0001	381.000		L	#	0.0471	-
	mg/L	04/04/2001	0001	352.000		L	#	0.0031	-
	mg/L	06/11/2001	0001	388.000		L	#	0.0034	-
	mg/L	08/20/2001	0001	386.000		L	#	0.0034	-
Manganese	mg/L	11/30/2000	0001	0.183		L	#	0.003	-
	mg/L	04/04/2001	0001	0.140		L	#	0.0001	-
	mg/L	06/11/2001	0001	0.0952		L	#	0.0001	-
	mg/L	08/20/2001	0001	0.067		L	#	0.0001	-

GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS  
LOCATION: 0887  
REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Molybdenum	mg/L	11/30/2000	0001	0.0191		L	#	0.0003	-
	mg/L	04/04/2001	0001	0.0066	B	L	#	0.0004	-
	mg/L	06/11/2001	0001	0.003	U	L	#	0.003	-
	mg/L	08/20/2001	0001	0.003	U	L	#	0.003	-
Nitrate as NO3	mg/L	11/30/2000	0001	0.101	B	L	#	0.0314	-
	mg/L	04/04/2001	0001	0.0194	B	UL	#	0.0171	-
	mg/L	06/11/2001	0001	0.206	B	L	#	0.0171	-
	mg/L	08/20/2001	0001	1.460		L	#	0.0305	-
ORP of Zobell Solution	mV	11/30/2000	N001	225		L	#	-	-
	mV	04/04/2001	N001	221		L	#	-	-
	mV	06/11/2001	N001	227		L	#	-	-
	mV	08/20/2001	N001	230		L	#	-	-
Oxidation Reduction Potent	mV	11/30/2000	N001	-316		L	#	-	-
	mV	04/04/2001	N001	-101		L	#	-	-
	mV	06/11/2001	N001	-74		L	#	-	-
	mV	08/20/2001	N001	-111		L	#	-	-
pH	s.u.	11/30/2000	N001	7.36		L	#	-	-
	s.u.	04/04/2001	N001	7.37		L	#	-	-
	s.u.	06/11/2001	N001	7.22		L	#	-	-
	s.u.	08/20/2001	N001	7.13		L	#	-	-
Polonium-210	pCi/L	11/30/2000	0001	0.07	UB	L	#	0.07	± 0.07
	pCi/L	04/04/2001	0001	0.07	UB	L	#	0.07	± 0.04
	pCi/L	06/11/2001	0001	0.05	U	L	#	0.05	± 0.03
	pCi/L	08/20/2001	0001	0.09	U	L	#	0.09	± 0.04
Potassium	mg/L	11/30/2000	0001	11.800		L	#	0.0359	-
	mg/L	04/04/2001	0001	10.200		L	#	0.0091	-
	mg/L	06/11/2001	0001	10.700		L	#	0.0088	-
	mg/L	08/20/2001	0001	10.300		L	#	0.0088	-
Radium-226	pCi/L	11/30/2000	0001	0.13	U	L	#	0.13	± 0.08
	pCi/L	04/04/2001	0001	0.12		L	#	0.11	± 0.07
	pCi/L	06/11/2001	0001	0.21		L	#	0.11	± 0.08
	pCi/L	08/20/2001	0001	0.19		L	#	0.12	± 0.08
Radium-228	pCi/L	11/30/2000	0001	0.72	U	L	#	0.72	± 0.42
	pCi/L	04/04/2001	0001	0.84	U	L	#	0.84	± 0.49

GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS  
LOCATION: 0887  
REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Radium-228	pCi/L	06/11/2001	0001	0.86	U	L	#	0.86	± 0.50
	pCi/L	08/20/2001	0001	0.88	U	L	#	0.88	± 0.51
Selenium	mg/L	11/30/2000	0001	0.00013	B	L	#	0.0001	-
	mg/L	04/04/2001	0001	0.0003	U	L	#	0.0003	-
	mg/L	06/11/2001	0001	0.0003	U	L	#	0.0003	-
	mg/L	08/20/2001	0001	0.0003	U	L	#	0.0003	-
Sodium	mg/L	11/30/2000	0001	803.000		L	#	52.5	-
	mg/L	04/04/2001	0001	1010.000		L	#	0.052	-
	mg/L	06/11/2001	0001	964.000	E	JL	#	0.085	-
	mg/L	08/20/2001	0001	963.000		L	#	0.085	-
Specific Conductance	umhos/cm	11/30/2000	N001	6390		L	#	-	-
	umhos/cm	04/04/2001	N001	4810		L	#	-	-
	umhos/cm	06/11/2001	N001	6760		L	#	-	-
	umhos/cm	08/20/2001	N001	6700		L	#	-	-
Sulfate	mg/L	11/30/2000	0001	3190.000		L	#	1.4725	-
	mg/L	04/04/2001	0001	3250.000		L	#	0.1265	-
	mg/L	06/11/2001	0001	3280.000		L	#	0.1265	-
	mg/L	08/20/2001	0001	3510.000		L	#	0.1265	-
Temperature	C	11/30/2000	N001	13.6		L	#	-	-
	C	04/04/2001	N001	13.8		L	#	-	-
	C	06/11/2001	N001	14.8		L	#	-	-
	C	08/20/2001	N001	15.8		L	#	-	-
Temperature of Zobell Solu	C	11/30/2000	N001	12		L	#	-	-
	C	04/04/2001	N001	12		L	#	-	-
	C	06/11/2001	N001	16.7		L	#	-	-
	C	08/20/2001	N001	16.4		L	#	-	-
Thallium	mg/L	11/30/2000	0001	0.0001	U	L	#	0.0001	-
	mg/L	04/04/2001	0001	0.00032	B	UL	#	0.0001	-
	mg/L	06/11/2001	0001	0.0002	BE	UJL	#	-	-
	mg/L	08/20/2001	0001	0.0001	U	L	#	0.0001	-
Thorium-230	pCi/L	11/30/2000	0001	1.7	U	L	#	1.72	-
	pCi/L	04/04/2001	0001	0.92	U	L	#	0.92	-
	pCi/L	06/11/2001	0001	1.5	U	L	#	1.48	-
	pCi/L	08/20/2001	0001	1.5	U	L	#	1.48	-

GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS  
LOCATION: 0887  
REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Total Dissolved Solids	mg/L	11/30/2000	0001	6220		L	#	10	-
	mg/L	04/04/2001	0001	6520		L	#	10	-
	mg/L	06/11/2001	0001	6530		L	#	10	-
	mg/L	08/20/2001	0001	6660		L	#	10	-
Turbidity	NTU	11/30/2000	N001	1000	>	L	#	-	-
	NTU	04/04/2001	N001	108		L	#	-	-
	NTU	06/11/2001	N001	88.8		L	#	-	-
	NTU	08/20/2001	N001	20.2		L	#	-	-
Uranium	mg/L	11/30/2000	0001	0.0026		L	#	0.0001	-
	mg/L	04/04/2001	0001	0.0007	B	L	#	0.0001	-
	mg/L	06/11/2001	0001	0.00055	B	L	#	0.0001	-
	mg/L	08/20/2001	0001	0.00041	B	L	#	0.0001	-
Uranium-234	pCi/L	04/04/2001	0001	0.4	U	L	#	0.4	-
Uranium-238	pCi/L	04/04/2001	0001	0.3	B	L	#	0.1	-
Vanadium	mg/L	11/30/2000	0001	0.0015	U	L	#	0.0015	-
	mg/L	04/04/2001	0001	0.0004	U	L	#	0.0004	-
	mg/L	06/11/2001	0001	0.0003	U	L	#	0.0003	-
	mg/L	08/20/2001	0001	0.00089	B	UL	#	0.0003	-
Zinc	mg/L	11/30/2000	0001	0.010	U	L	#	0.0102	-
	mg/L	04/04/2001	0001	0.092		L	#	0.0095	-
	mg/L	06/11/2001	0001	0.0402	B	L	#	0.0073	-
	mg/L	08/20/2001	0001	0.0248	B	L	#	0.0073	-



GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS  
LOCATION: 0887  
REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		

RECORDS: SELECTED FROM USEE100 WHERE site\_code='DUR02' AND (NOT (data\_validation\_qualifiers LIKE "R" OR data\_validation\_qualifiers LIKE "X") OR IsNull(data\_validation\_qualifiers)) AND DATE\_SAMPLED <= #8/31/2001#

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LAB QUALIFIERS:

- \* Replicate analysis not within control limits.
- + Correlation coefficient for MSA < 0.995.
- A TIC is a suspected aldol-condensation product.
- B Inorganic: Result is between the IDL and CRDL. Organic: Analyte also found in method blank.
- E Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
- Z Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- H Holding time expired, value suspect.
- I Increased detection limit due to required dilution.
- C Pesticide result confirmed by GC-MS.
- M GFAA duplicate injection precision not met.
- N Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC).
- S Result determined by method of standard addition (MSA).
- U Analytical result below detection limit.
- W Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
- D Analyte determined in diluted sample.
- P > 25% difference in detected pesticide or Arochlor concentrations between 2 columns.
- X Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- Y Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- > Result above upper detection limit.
- J Estimated

DATA QUALIFIERS:

- |   |  |   |  |
|---|--|---|--|
| J | Estimated value.                             | F | Low flow sampling method used.                     |
| G | Possible grout contamination, pH > 9.        | L | Less than 3 bore volumes purged prior to sampling. |
| R | Unusable result.                             | X | Location is undefined.                             |
| U | Parameter analyzed for but was not detected. |   |  |

QA QUALIFIER: # = validated according to Quality Assurance guidelines.

GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS  
LOCATION: 0888  
REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Alkalinity as CaCO3	mg/L	11/30/2000	0001	563			#	-	-
	mg/L	11/30/2000	N001	570			#	-	-
	mg/L	04/04/2001	0001	545			#	-	-
	mg/L	04/04/2001	N001	558			#	-	-
	mg/L	06/12/2001	0001	546			#	-	-
	mg/L	06/12/2001	N001	557			#	-	-
	mg/L	08/21/2001	0001	553			#	-	-
	mg/L	08/21/2001	N001	562			#	-	-
Ammonium	mg/L	11/30/2000	0001	4.900			#	0.0047	-
	mg/L	11/30/2000	0002	4.850			#	0.0047	-
	mg/L	04/04/2001	0001	5.090			#	0.0062	-
	mg/L	06/12/2001	0001	4.930			#	0.0062	-
	mg/L	08/21/2001	0001	5.090			#	0.0062	-
Antimony	mg/L	11/30/2000	0001	0.0003	U		#	0.0003	-
	mg/L	11/30/2000	0002	0.0003	U		#	0.0003	-
	mg/L	04/04/2001	0001	0.00036	B	U	#	0.0003	-
	mg/L	06/12/2001	0001	0.0008	U		#	0.0008	-
	mg/L	08/21/2001	0001	0.00022	B	U	#	0.0002	-
Arsenic	mg/L	11/30/2000	0001	0.0002	U		#	0.0002	-
	mg/L	11/30/2000	0002	0.0002	U		#	0.0002	-
	mg/L	04/04/2001	0001	0.0005	U		#	0.0005	-
	mg/L	06/12/2001	0001	0.0005	U		#	0.0005	-
	mg/L	08/21/2001	0001	0.0005	U		#	0.0005	-
Cadmium	mg/L	11/30/2000	0001	0.0002	U		#	0.0002	-
	mg/L	11/30/2000	0002	0.0002	U		#	0.0002	-
	mg/L	04/04/2001	0001	0.00021	B	U	#	0.0002	-
	mg/L	06/12/2001	0001	0.0004	U		#	0.0004	-
	mg/L	08/21/2001	0001	0.00069	B	U	#	0.0003	-
Calcium	mg/L	11/30/2000	0001	342.000			#	0.032	-
	mg/L	11/30/2000	0002	346.000			#	0.032	-
	mg/L	04/04/2001	0001	388.000			#	0.0642	-
	mg/L	06/12/2001	0001	393.000			#	0.0814	-
	mg/L	08/21/2001	0001	385.000			#	0.0814	-
Chloride	mg/L	11/30/2000	0001	1400.000			#	2.4	-
	mg/L	11/30/2000	0002	1370.000			#	2.4	-

GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS  
LOCATION: 0888  
REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE: DATE	ID	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
Chloride	mg/L	04/04/2001	0001	1290.000		# 0.149	-
	mg/L	06/12/2001	0001	1150.000		# 0.149	-
	mg/L	08/21/2001	0001	1240.000		# 0.0745	-
Chromium	mg/L	11/30/2000	0001	0.0059	U	# 0.0059	-
	mg/L	11/30/2000	0002	0.0059	U	# 0.0059	-
	mg/L	04/04/2001	0001	0.0008	U	# 0.0008	-
	mg/L	06/12/2001	0001	0.0008	U	# 0.0008	-
	mg/L	08/21/2001	0001	0.0008	U	# 0.0008	-
Copper	mg/L	11/30/2000	0001	0.0025	U	# 0.0025	-
	mg/L	11/30/2000	0002	0.0025	U	# 0.0025	-
	mg/L	04/04/2001	0001	0.0034	U	# 0.0034	-
	mg/L	06/12/2001	0001	0.0033	B	# 0.0003	-
	mg/L	08/21/2001	0001	0.00049	B	# 0.0003	-
Gross Alpha	pCi/L	11/30/2000	0001	72.03	U	# 72.03	± 37.1
	pCi/L	11/30/2000	0002	72.34	U	# 72.34	± 34.9
	pCi/L	04/04/2001	0001	75.70	U J	# 75.7	± 40.9
	pCi/L	06/12/2001	0001	79.29	U	# 79.29	± 44.5
	pCi/L	08/21/2001	0001	67.92	U	# 67.92	± 35.3
Gross Beta	pCi/L	11/30/2000	0001	65.69	U	# 65.69	± 38.3
	pCi/L	11/30/2000	0002	65.65	U	# 65.65	± 37.8
	pCi/L	04/04/2001	0001	74.66	U	# 74.66	± 43.2
	pCi/L	06/12/2001	0001	74.34	U	# 74.34	± 44.1
	pCi/L	08/21/2001	0001	66.64	U	# 66.64	± 37.4
Iron	mg/L	11/30/2000	0001	2.130		# 0.011	-
	mg/L	11/30/2000	0002	2.230		# 0.011	-
	mg/L	04/04/2001	0001	2.530		# 0.001	-
	mg/L	06/12/2001	0001	1.920	E J	# 0.0008	-
	mg/L	08/21/2001	0001	1.680		# 0.0008	-
Lead	mg/L	11/30/2000	0001	0.0001	U	# 0.0001	-
	mg/L	11/30/2000	0002	0.0001	U	# 0.0001	-
	mg/L	04/04/2001	0001	0.00012	B U	# 0.0001	-
	mg/L	06/12/2001	0001	0.0001	U	# 0.0001	-
	mg/L	08/21/2001	0001	0.0001	U	# 0.0001	-
Lead-210	pCi/L	11/30/2000	0001	1.18	U	# 1.18	± 0.66

GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS  
LOCATION: 0888  
REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:		DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA QA		
Lead-210	pCi/L	11/30/2000	0002	1.21	U	#	1.21	± 0.69
	pCi/L	04/04/2001	0001	1.23	U	#	1.23	± 0.69
	pCi/L	06/12/2001	0001	1.17	U	#	1.17	± 0.67
	pCi/L	08/21/2001	0001	1.36	U	#	1.36	± 0.81
Magnesium	mg/L	11/30/2000	0001	377.000		#	0.0471	-
	mg/L	11/30/2000	0002	381.000		#	0.0471	-
	mg/L	04/04/2001	0001	366.000		#	0.0031	-
	mg/L	06/12/2001	0001	397.000		#	0.0034	-
	mg/L	08/21/2001	0001	392.000		#	0.0034	-
Manganese	mg/L	11/30/2000	0001	0.192		#	0.003	-
	mg/L	11/30/2000	0002	0.200		#	0.003	-
	mg/L	04/04/2001	0001	0.691		#	0.0001	-
	mg/L	06/12/2001	0001	0.318		#	0.0001	-
	mg/L	08/21/2001	0001	0.297		#	0.0001	-
Molybdenum	mg/L	11/30/2000	0001	0.0003	U	#	0.0003	-
	mg/L	11/30/2000	0002	0.0003	U	#	0.0003	-
	mg/L	04/04/2001	0001	0.00044	B U	#	0.0004	-
	mg/L	06/12/2001	0001	0.003	U	#	0.003	-
	mg/L	08/21/2001	0001	0.003	U	#	0.003	-
Nitrate as NO3	mg/L	11/30/2000	0001	0.0719	B	#	0.0314	-
	mg/L	11/30/2000	0002	0.066	B	#	0.0314	-
	mg/L	04/04/2001	0001	0.0171	U	#	0.0171	-
	mg/L	06/12/2001	0001	0.0665	B	#	0.0171	-
	mg/L	08/21/2001	0001	0.196	B	#	0.0305	-
ORP of Zobell Solution	mV	11/30/2000	N001	229		#	-	-
	mV	04/04/2001	N001	219		#	-	-
	mV	06/12/2001	N001	223		#	-	-
	mV	08/21/2001	N001	247		#	-	-
Oxidation Reduction Potent	mV	11/30/2000	N001	-131		#	-	-
	mV	04/04/2001	N001	-70		#	-	-
	mV	06/12/2001	N001	-154		#	-	-
	mV	08/21/2001	N001	-191		#	-	-
pH	s.u.	11/30/2000	N001	6.91		#	-	-
	s.u.	04/04/2001	N001	7.16		#	-	-

GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS  
LOCATION: 0888  
REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:		DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA QA		
pH	s.u.	06/12/2001	N001	6.97			# -	-
	s.u.	08/21/2001	N001	6.87			# -	-
Polonium-210	pCi/L	11/30/2000	0001	0.07	UB		# 0.07	± 0.08
	pCi/L	11/30/2000	0002	0.06	UB		# 0.06	± 0.08
	pCi/L	04/04/2001	0001	0.08	UB		# 0.08	± 0.04
	pCi/L	06/12/2001	0001	0.06	U		# 0.06	± 0.03
	pCi/L	08/21/2001	0001	0.08	U		# 0.08	± 0.04
Potassium	mg/L	11/30/2000	0001	14.400			# 0.0359	-
	mg/L	11/30/2000	0002	14.500			# 0.0359	-
	mg/L	04/04/2001	0001	13.800			# 0.0091	-
	mg/L	06/12/2001	0001	16.100			# 0.0088	-
	mg/L	08/21/2001	0001	14.600			# 0.0088	-
Radium-226	pCi/L	11/30/2000	0001	0.13	U		# 0.13	± 0.07
	pCi/L	11/30/2000	0002	0.13	U		# 0.13	± 0.08
	pCi/L	04/04/2001	0001	0.12			# 0.11	± 0.07
	pCi/L	06/12/2001	0001	0.12			# 0.09	± 0.06
	pCi/L	08/21/2001	0001	0.14			# 0.11	± 0.07
Radium-228	pCi/L	11/30/2000	0001	0.73	U		# 0.73	± 0.43
	pCi/L	11/30/2000	0002	0.73	U		# 0.73	± 0.42
	pCi/L	04/04/2001	0001	0.82	U		# 0.82	± 0.47
	pCi/L	06/12/2001	0001	0.73	U		# 0.73	± 0.42
	pCi/L	08/21/2001	0001	0.89	U		# 0.89	± 0.52
Selenium	mg/L	11/30/2000	0001	0.0001	U		# 0.0001	-
	mg/L	11/30/2000	0002	0.0001	U		# 0.0001	-
	mg/L	04/04/2001	0001	0.0003	U		# 0.0003	-
	mg/L	06/12/2001	0001	0.0003	U		# 0.0003	-
	mg/L	08/21/2001	0001	0.0003	U		# 0.0003	-
Sodium	mg/L	11/30/2000	0001	2140.000			# 52.5	-
	mg/L	11/30/2000	0002	2130.000			# 52.5	-
	mg/L	04/04/2001	0001	2200.000			# 0.26	-
	mg/L	06/12/2001	0001	2110.000	E	J	# 0.085	-
	mg/L	08/21/2001	0001	1970.000			# 0.085	-
Specific Conductance	umhos/cm	11/30/2000	N001	11200			# -	-
	umhos/cm	04/04/2001	N001	10570			# -	-

GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS  
LOCATION: 0888  
REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE: DATE	ID	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
Specific Conductance	umhos/cm	06/12/2001	N001	10720		# -	-
	umhos/cm	08/21/2001	N001	9800		# -	-
Sulfate	mg/L	11/30/2000	0001	4470.000		# 1.4725	-
	mg/L	11/30/2000	0002	4480.000		# 1.4725	-
	mg/L	04/04/2001	0001	4850.000		# 0.253	-
	mg/L	06/12/2001	0001	4770.000		# 0.253	-
	mg/L	08/21/2001	0001	4770.000		# 0.1265	-
Temperature	C	11/30/2000	N001	14.4		# -	-
	C	04/04/2001	N001	14.8		# -	-
	C	06/12/2001	N001	15.5		# -	-
	C	08/21/2001	N001	15.8		# -	-
Temperature of Zobell Solu	C	11/30/2000	N001	10		# -	-
	C	04/04/2001	N001	13.4		# -	-
	C	06/12/2001	N001	15.1		# -	-
	C	08/21/2001	N001	7.8		# -	-
Thallium	mg/L	11/30/2000	0001	0.0001	U	# 0.0001	-
	mg/L	11/30/2000	0002	0.0001	U	# 0.0001	-
	mg/L	04/04/2001	0001	0.00032	B U	# 0.0001	-
	mg/L	06/12/2001	0001	0.00015	BE UJ	# -	-
	mg/L	08/21/2001	0001	0.0001	U	# 0.0001	-
Thorium-230	pCi/L	11/30/2000	0001	1.7	U	# 1.72	-
	pCi/L	11/30/2000	0002	1.7	U	# 1.72	-
	pCi/L	04/04/2001	0001	0.92	U	# 0.92	-
	pCi/L	06/12/2001	0001	1.5	U	# 1.48	-
	pCi/L	08/21/2001	0001	1.5	U	# 1.48	-
Total Dissolved Solids	mg/L	11/30/2000	0001	9830		# 10	-
	mg/L	11/30/2000	0002	9780		# 10	-
	mg/L	04/04/2001	0001	10000		# 10	-
	mg/L	06/12/2001	0001	9740		# 10	-
	mg/L	08/21/2001	0001	9750		# 10	-
Turbidity	NTU	11/30/2000	N001	2.3		# -	-
	NTU	04/04/2001	N001	6.81		# -	-
	NTU	06/12/2001	N001	8.13		# -	-
	NTU	08/21/2001	N001	8.3		# -	-

GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS  
 LOCATION: 0888  
 REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Uranium	mg/L	11/30/2000	0001	0.00031	B	U	#	0.0001	-
	mg/L	11/30/2000	0002	0.00036	B	U	#	0.0001	-
	mg/L	04/04/2001	0001	0.0081			#	0.0001	-
	mg/L	06/12/2001	0001	0.0017			#	0.0001	-
	mg/L	08/21/2001	0001	0.0014			#	0.0001	-
Uranium-234	pCi/L	04/04/2001	0001	1.9			#	0.4	-
Uranium-238	pCi/L	04/04/2001	0001	3.2			#	0.1	-
Vanadium	mg/L	11/30/2000	0001	0.0015	U		#	0.0015	-
	mg/L	11/30/2000	0002	0.0015	U		#	0.0015	-
	mg/L	04/04/2001	0001	0.0004	U		#	0.0004	-
	mg/L	06/12/2001	0001	0.0003	U		#	0.0003	-
	mg/L	08/21/2001	0001	0.00033	B	U	#	0.0003	-
Zinc	mg/L	11/30/2000	0001	0.010	U		#	0.0102	-
	mg/L	11/30/2000	0002	0.010	U		#	0.0102	-
	mg/L	04/04/2001	0001	0.0239	B		#	0.0095	-
	mg/L	06/12/2001	0001	0.0183	B		#	0.0073	-
	mg/L	08/21/2001	0001	0.0132	B		#	0.0073	-

GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS  
 LOCATION: 0888  
 REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		

RECORDS: SELECTED FROM USEE100 WHERE site\_code='DUR02' AND (NOT (data\_validation\_qualifiers LIKE "R" OR data\_validation\_qualifiers LIKE "X" ) OR IsNull(data\_validation\_qualifiers)) AND DATE\_SAMPLED <= #8/31/2001#

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LAB QUALIFIERS:

- \* Replicate analysis not within control limits.
- + Correlation coefficient for MSA < 0.995.
- A TIC is a suspected aldol-condensation product.
- B Inorganic: Result is between the IDL and CRDL. Organic: Analyte also found in method blank.
- E Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
- Z Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- H Holding time expired, value suspect.
- I Increased detection limit due to required dilution.
- C Pesticide result confirmed by GC-MS.
- M GFAA duplicate injection precision not met.
- N Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC).
- S Result determined by method of standard addition (MSA).
- U Analytical result below detection limit.
- W Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
- D Analyte determined in diluted sample.
- P > 25% difference in detected pesticide or Arochlor concentrations between 2 columns.
- X Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- Y Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- > Result above upper detection limit.
- J Estimated

DATA QUALIFIERS:

- |  |  |
|--|--|
| J Estimated value.                             | F Low flow sampling method used.                     |
| G Possible grout contamination, pH > 9.        | L Less than 3 bore volumes purged prior to sampling. |
| R Unusable result.                             | X Location is undefined.                             |
| U Parameter analyzed for but was not detected. |  |

QA QUALIFIER: # = validated according to Quality Assurance guidelines.



GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS  
LOCATION: 0889  
REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Alkalinity as CaCO3	mg/L	12/06/2000	0001	280		L	#	-	-
	mg/L	12/06/2000	N001	294		L	#	-	-
	mg/L	04/04/2001	0001	465		L	#	-	-
	mg/L	06/05/2001	0001	492		L	#	-	-
	mg/L	08/22/2001	0001	540		L	#	-	-
	mg/L	08/22/2001	N001	533		L	#	-	-
Ammonium	mg/L	12/06/2000	0001	0.946		L	#	0.0047	-
	mg/L	04/04/2001	0001	1.930		L	#	0.0062	-
	mg/L	06/05/2001	0001	3.250		L	#	0.0062	-
	mg/L	08/22/2001	0001	3.190		L	#	0.0062	-
Antimony	mg/L	12/06/2000	0001	0.0011	B	UL	#	0.0003	-
	mg/L	04/04/2001	0001	0.0006	B	UL	#	0.0003	-
	mg/L	06/05/2001	0001	0.0008	U	L	#	0.0008	-
	mg/L	08/22/2001	0001	0.0002	B	UL	#	0.0002	-
Arsenic	mg/L	12/06/2000	0001	0.00074	B	UL	#	0.0002	-
	mg/L	04/04/2001	0001	0.001	B	L	#	0.0005	-
	mg/L	06/05/2001	0001	0.0005	U	L	#	0.0005	-
	mg/L	08/22/2001	0001	0.0005	U	L	#	0.0005	-
Cadmium	mg/L	12/06/2000	0001	0.0002	U	L	#	0.0002	-
	mg/L	04/04/2001	0001	0.00021	B	UL	#	0.0002	-
	mg/L	06/05/2001	0001	0.0004	U	L	#	0.0004	-
	mg/L	08/22/2001	0001	0.00071	B	UL	#	0.0003	-
Calcium	mg/L	12/06/2000	0001	13.900		L	#	0.032	-
	mg/L	04/04/2001	0001	34.800		L	#	0.0642	-
	mg/L	06/05/2001	0001	74.300		L	#	0.0814	-
	mg/L	08/22/2001	0001	64.600		L	#	0.0814	-
Chloride	mg/L	12/06/2000	0001	421.000		L	#	0.096	-
	mg/L	04/04/2001	0001	639.000		L	#	0.0745	-
	mg/L	06/05/2001	0001	649.000		L	#	0.149	-
	mg/L	08/22/2001	0001	660.000		L	#	0.0745	-
Chromium	mg/L	12/06/2000	0001	0.0059	U	L	#	0.0059	-
	mg/L	04/04/2001	0001	0.0008	U	L	#	0.0008	-
	mg/L	06/05/2001	0001	0.0008	U	L	#	0.0008	-
	mg/L	08/22/2001	0001	0.0008	U	L	#	0.0008	-

GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS  
LOCATION: 0889  
REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Copper	mg/L	12/06/2000	0001	0.0025	U	L	#	0.0025	-
	mg/L	04/04/2001	0001	0.0034	U	L	#	0.0034	-
	mg/L	06/05/2001	0001	0.0003	U	L	#	0.0003	-
	mg/L	08/22/2001	0001	0.00032	B	L	#	0.0003	-
Gross Alpha	pCi/L	12/06/2000	0001	15.99	U	JL	#	15.99	± 7.87
	pCi/L	04/04/2001	0001	32.08	U	JL	#	32.08	± 16.1
	pCi/L	08/22/2001	0001	37.09	U	L	#	37.09	± 20.2
Gross Beta	pCi/L	12/06/2000	0001	14.75	U	L	#	14.75	± 8.42
	pCi/L	04/04/2001	0001	29.96	U	L	#	29.96	± 17.3
	pCi/L	08/22/2001	0001	33.56	U	L	#	33.56	± 19.1
Iron	mg/L	12/06/2000	0001	0.0153	B	L	#	0.011	-
	mg/L	04/04/2001	0001	0.0868		L	#	0.001	-
	mg/L	06/05/2001	0001	0.830		L	#	0.0008	-
	mg/L	08/22/2001	0001	0.686		L	#	0.0008	-
Lead	mg/L	12/06/2000	0001	0.00015	B	L	#	0.0001	-
	mg/L	04/04/2001	0001	0.00021	B	UL	#	0.0001	-
	mg/L	06/05/2001	0001	0.00036	B	UL	#	0.0001	-
	mg/L	08/22/2001	0001	0.0001	U	L	#	0.0001	-
Lead-210	pCi/L	12/06/2000	0001	1.40	U	L	#	1.4	± 0.82
	pCi/L	04/04/2001	0001	1.29	U	L	#	1.29	± 0.74
	pCi/L	08/22/2001	0001	1.46	U	L	#	1.46	± 0.86
Magnesium	mg/L	12/06/2000	0001	3.910		L	#	0.0471	-
	mg/L	04/04/2001	0001	11.400		L	#	0.0031	-
	mg/L	06/05/2001	0001	25.100		L	#	0.0034	-
	mg/L	08/22/2001	0001	21.700		L	#	0.0034	-
Manganese	mg/L	12/06/2000	0001	0.0654		L	#	0.003	-
	mg/L	04/04/2001	0001	0.142		L	#	0.0001	-
	mg/L	06/05/2001	0001	0.225		L	#	0.0001	-
	mg/L	08/22/2001	0001	0.159		L	#	0.0001	-
Molybdenum	mg/L	12/06/2000	0001	0.013		L	#	0.0003	-
	mg/L	04/04/2001	0001	0.0068	B	L	#	0.0004	-
	mg/L	06/05/2001	0001	0.0042	B	L	#	0.003	-
	mg/L	08/22/2001	0001	0.003	U	L	#	0.003	-
Nitrate as NO3	mg/L	12/06/2000	0001	0.0876	B	L	#	0.0314	-

GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS  
LOCATION: 0889  
REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Nitrate as NO3	mg/L	04/04/2001	0001	0.146	B	L	#	0.0171	-
	mg/L	06/05/2001	0001	0.0519	B	L	#	0.0171	-
	mg/L	08/22/2001	0001	0.449	B	L	#	0.0305	-
ORP of Zobell Solution	mV	12/06/2000	N001	252		L	#	-	-
	mV	04/04/2001	N001	221		L	#	-	-
	mV	06/05/2001	N001	226		L	#	-	-
	mV	08/22/2001	N001	230		L	#	-	-
Oxidation Reduction Potent	mV	12/06/2000	N001	-115		L	#	-	-
	mV	04/04/2001	N001	-122		L	#	-	-
	mV	06/05/2001	N001	-141		L	#	-	-
	mV	08/22/2001	N001	-82		L	#	-	-
pH	s.u.	12/06/2000	N001	8.27		L	#	-	-
	s.u.	04/04/2001	N001	7.65		L	#	-	-
	s.u.	06/05/2001	N001	7.46		L	#	-	-
	s.u.	08/22/2001	N001	7.48		L	#	-	-
Polonium-210	pCi/L	12/06/2000	0001	0.07	U	L	#	0.07	± 0.09
	pCi/L	04/04/2001	0001	0.08	UB	L	#	0.08	± 0.05
	pCi/L	08/22/2001	0001	0.07	U	L	#	0.07	± 0.04
Potassium	mg/L	12/06/2000	0001	4.010		L	#	0.0359	-
	mg/L	04/04/2001	0001	5.710		L	#	0.0091	-
	mg/L	06/05/2001	0001	9.000		L	#	0.0088	-
	mg/L	08/22/2001	0001	7.950		L	#	0.0088	-
Radium-226	pCi/L	12/06/2000	0001	0.24		L	#	0.17	± 0.12
	pCi/L	08/22/2001	0001	0.16		L	#	0.12	± 0.08
Radium-228	pCi/L	12/06/2000	0001	0.88	U	L	#	0.88	± 0.52
	pCi/L	08/22/2001	0001	0.95	U	L	#	0.95	± 0.56
Selenium	mg/L	12/06/2000	0001	0.0003	B	L	#	0.0001	-
	mg/L	04/04/2001	0001	0.0003	U	L	#	0.0003	-
	mg/L	06/05/2001	0001	0.0003	U	L	#	0.0003	-
	mg/L	08/22/2001	0001	0.0003	U	L	#	0.0003	-
Sodium	mg/L	12/06/2000	0001	587.000		L	#	52.5	-
	mg/L	04/04/2001	0001	1250.000		L	#	0.052	-
	mg/L	06/05/2001	0001	1750.000		L	#	0.085	-
	mg/L	08/22/2001	0001	1550.000		L	#	0.085	-

GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS  
LOCATION: 0889  
REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE: DATE	ID	RESULT	LAB	QUALIFIERS: DATA QA	DETECTION LIMIT	UN- CERTAINTY
Specific Conductance	umhos/cm	12/06/2000	N001	2800		L #	-	-
	umhos/cm	04/04/2001	N001	5290		L #	-	-
	umhos/cm	06/05/2001	N001	7240		L #	-	-
	umhos/cm	08/22/2001	N001	6910		L #	-	-
Sulfate	mg/L	12/06/2000	0001	428.000		L #	0.2356	-
	mg/L	04/04/2001	0001	1350.000		L #	0.1265	-
	mg/L	06/05/2001	0001	2680.000		L #	0.253	-
	mg/L	08/22/2001	0001	2310.000		L #	0.1265	-
Temperature	C	12/06/2000	N001	13.5		L #	-	-
	C	04/04/2001	N001	12.9		L #	-	-
	C	06/05/2001	N001	16		L #	-	-
	C	08/22/2001	N001	15.2		L #	-	-
Temperature of Zobell Solu	C	12/06/2000	N001	7.6		L #	-	-
	C	04/04/2001	N001	12.1		L #	-	-
	C	06/05/2001	N001	18.5		L #	-	-
	C	08/22/2001	N001	16.3		L #	-	-
Thallium	mg/L	12/06/2000	0001	0.0001	U	L #	0.0001	-
	mg/L	04/04/2001	0001	0.00032	B	UL #	0.0001	-
	mg/L	06/05/2001	0001	0.00024	BE	UJL #	-	-
	mg/L	08/22/2001	0001	0.0001	U	L #	0.0001	-
Thorium-230	pCi/L	12/06/2000	0001	1.7	U	L #	1.72	-
	pCi/L	04/04/2001	0001	0.92	U	L #	0.92	-
	pCi/L	06/05/2001	0001	1.5	U	L #	1.48	-
	pCi/L	08/22/2001	0001	1.5	U	L #	1.48	-
Total Dissolved Solids	mg/L	12/06/2000	0001	1620		L #	10	-
	mg/L	04/04/2001	0001	3590		L #	10	-
	mg/L	06/05/2001	0001	5550		L #	10	-
	mg/L	08/22/2001	0001	4760		L #	10	-
Turbidity	NTU	12/06/2000	N001	147		L #	-	-
	NTU	04/04/2001	N001	113		L #	-	-
	NTU	06/05/2001	N001	720		L #	-	-
	NTU	08/22/2001	N001	249		L #	-	-
Uranium	mg/L	12/06/2000	0001	0.0017		L #	0.0001	-
	mg/L	04/04/2001	0001	0.00091	B	L #	0.0001	-

GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS  
LOCATION: 0889  
REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Uranium	mg/L	06/05/2001	0001	0.0012		UL	#	0.0001	-
	mg/L	08/22/2001	0001	0.0013		L	#	0.0001	-
Uranium-234	pCi/L	04/04/2001	0001	0.4	U	L	#	0.4	-
Uranium-238	pCi/L	04/04/2001	0001	0.37	B	L	#	0.1	-
Vanadium	mg/L	12/06/2000	0001	0.0015	U	L	#	0.0015	-
	mg/L	04/04/2001	0001	0.0004	U	L	#	0.0004	-
	mg/L	06/05/2001	0001	0.00057	B	L	#	0.0003	-
	mg/L	08/22/2001	0001	0.0003	U	L	#	0.0003	-
Zinc	mg/L	12/06/2000	0001	0.010	U	L	#	0.0102	-
	mg/L	04/04/2001	0001	0.139		L	#	0.0095	-
	mg/L	06/05/2001	0001	0.0429	B	L	#	0.0073	-
	mg/L	08/22/2001	0001	0.0118	B	L	#	0.0073	-

RECORDS: SELECTED FROM USEE100 WHERE site\_code='DUR02' AND (NOT (data\_validation\_qualifiers LIKE "R" ) OR data\_validation\_qualifiers LIKE "X" ) OR IsNull(data\_validation\_qualifiers)) AND DATE\_SAMPLED <= #8/31/2001#

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LAB QUALIFIERS:

- \* Replicate analysis not within control limits.
- + Correlation coefficient for MSA < 0.995.
- A TIC is a suspected aldol-condensation product.
- B Inorganic: Result is between the IDL and CRDL. Organic: Analyte also found in method blank.
- E Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
- Z Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- H Holding time expired, value suspect.
- I Increased detection limit due to required dilution.
- C Pesticide result confirmed by GC-MS.
- M GFAA duplicate injection precision not met.
- N Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC).
- S Result determined by method of standard addition (MSA).
- U Analytical result below detection limit.
- W Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
- D Analyte determined in diluted sample.
- P > 25% difference in detected pesticide or Arochlor concentrations between 2 columns.
- X Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- Y Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- > Result above upper detection limit.
- J Estimated

DATA QUALIFIERS:

- J Estimated value.
- G Possible grout contamination, pH > 9.
- R Unusable result.
- U Parameter analyzed for but was not detected.
- F Low flow sampling method used.
- L Less than 3 bore volumes purged prior to sampling.
- X Location is undefined.

QA QUALIFIER: # = validated according to Quality Assurance guidelines.

GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS  
LOCATION: 0890  
REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE: DATE	ID	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
Alkalinity as CaCO3	mg/L	12/05/2000	0001	607		# -	-
	mg/L	12/05/2000	N001	614		# -	-
	mg/L	04/04/2001	0001	595		# -	-
	mg/L	04/04/2001	N001	612		# -	-
	mg/L	06/12/2001	0001	569		# -	-
	mg/L	06/12/2001	N001	575		# -	-
	mg/L	08/22/2001	0001	594		# -	-
	mg/L	08/22/2001	N001	596		# -	-
Ammonium	mg/L	12/05/2000	0001	2.960		# 0.0047	-
	mg/L	04/04/2001	0001	4.400		# 0.0062	-
	mg/L	06/12/2001	0001	4.530		# 0.0062	-
	mg/L	08/22/2001	0001	4.340		# 0.0062	-
Antimony	mg/L	12/05/2000	0001	0.0003	U	# 0.0003	-
	mg/L	04/04/2001	0001	0.00082	B U	# 0.0003	-
	mg/L	06/12/2001	0001	0.0008	U	# 0.0008	-
	mg/L	08/22/2001	0001	0.00021	B U	# 0.0002	-
Arsenic	mg/L	12/05/2000	0001	0.0002	U	# 0.0002	-
	mg/L	04/04/2001	0001	0.0005	U	# 0.0005	-
	mg/L	06/12/2001	0001	0.0005	U	# 0.0005	-
	mg/L	08/22/2001	0001	0.0005	U	# 0.0005	-
Cadmium	mg/L	12/05/2000	0001	0.0002	U	# 0.0002	-
	mg/L	04/04/2001	0001	0.0002	U	# 0.0002	-
	mg/L	06/12/2001	0001	0.0004	U	# 0.0004	-
	mg/L	08/22/2001	0001	0.00068	B	# 0.0003	-
Calcium	mg/L	12/05/2000	0001	81.700		# 0.032	-
	mg/L	04/04/2001	0001	109.000		# 0.0642	-
	mg/L	06/12/2001	0001	181.000		# 0.0814	-
	mg/L	08/22/2001	0001	160.000		# 0.0814	-
Chloride	mg/L	12/05/2000	0001	482.000		# 0.6	-
	mg/L	04/04/2001	0001	566.000		# 0.0745	-
	mg/L	06/12/2001	0001	557.000		# 0.0745	-
	mg/L	08/22/2001	0001	597.000		# 0.0745	-
Chromium	mg/L	12/05/2000	0001	0.0059	U	# 0.0059	-
	mg/L	04/04/2001	0001	0.0008	U	# 0.0008	-

GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS  
LOCATION: 0890  
REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE: DATE	ID	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
Chromium	mg/L	06/12/2001	0001	0.0008	U	# 0.0008	-
	mg/L	08/22/2001	0001	0.0008	U	# 0.0008	-
Copper	mg/L	12/05/2000	0001	0.0025	U	# 0.0025	-
	mg/L	04/04/2001	0001	0.0034	U	# 0.0034	-
	mg/L	06/12/2001	0001	0.0029	B U	# 0.0003	-
	mg/L	08/22/2001	0001	0.0003	U	# 0.0003	-
Gross Alpha	pCi/L	12/05/2000	0001	32.39	U J	# 32.39	± 17.4
	pCi/L	04/04/2001	0001	41.18	U J	# 41.18	± 19.9
	pCi/L	06/12/2001	0001	44.43	U	# 44.43	± 21.5
	pCi/L	08/22/2001	0001	40.16	U	# 40.16	± 21.8
Gross Beta	pCi/L	12/05/2000	0001	29.58	U	# 29.58	± 17.6
	pCi/L	04/04/2001	0001	42.45	U	# 42.45	± 23.8
	pCi/L	06/12/2001	0001	42.3	U	# 42.3	± 24.9
	pCi/L	08/22/2001	0001	38.95	U	# 38.95	± 22.1
Iron	mg/L	12/05/2000	0001	0.194		# 0.011	-
	mg/L	04/04/2001	0001	0.0781		# 0.001	-
	mg/L	06/12/2001	0001	0.125	E J	# 0.0008	-
	mg/L	08/22/2001	0001	0.0727		# 0.0008	-
Lead	mg/L	12/05/2000	0001	0.0001	U	# 0.0001	-
	mg/L	04/04/2001	0001	0.00026	B U	# 0.0001	-
	mg/L	06/12/2001	0001	0.0001	U	# 0.0001	-
	mg/L	08/22/2001	0001	0.0001	U	# 0.0001	-
Lead-210	pCi/L	12/05/2000	0001	1.23	U	# 1.23	± 0.70
	pCi/L	04/04/2001	0001	1.19	U	# 1.19	± 0.68
	pCi/L	06/12/2001	0001	1.18	U	# 1.18	± 0.68
	pCi/L	08/22/2001	0001	1.32	U	# 1.32	± 0.78
Magnesium	mg/L	12/05/2000	0001	42.100		# 0.0471	-
	mg/L	04/04/2001	0001	60.500		# 0.0031	-
	mg/L	06/12/2001	0001	101.000		# 0.0034	-
	mg/L	08/22/2001	0001	89.000		# 0.0034	-
Manganese	mg/L	12/05/2000	0001	0.117		# 0.003	-
	mg/L	04/04/2001	0001	0.124		# 0.0001	-
	mg/L	06/12/2001	0001	0.185		# 0.0001	-
	mg/L	08/22/2001	0001	0.154		# 0.0001	-

GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS  
LOCATION: 0890  
REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE: DATE	ID	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
Molybdenum	mg/L	12/05/2000	0001	0.0003	U	# 0.0003	-
	mg/L	04/04/2001	0001	0.0004	U	# 0.0004	-
	mg/L	06/12/2001	0001	0.003	U	# 0.003	-
	mg/L	08/22/2001	0001	0.003	U	# 0.003	-
Nitrate as NO3	mg/L	12/05/2000	0001	0.0691	B	# 0.0314	-
	mg/L	04/04/2001	0001	0.600	B	# 0.0171	-
	mg/L	06/12/2001	0001	0.0845	B	# 0.0171	-
	mg/L	08/22/2001	0001	0.0305	U	# 0.0305	-
ORP of Zobell Solution	mV	12/05/2000	N001	230		# -	-
	mV	04/04/2001	N001	232		# -	-
	mV	06/12/2001	N001	233		# -	-
	mV	08/22/2001	N001	228		# -	-
Oxidation Reduction Potent	mV	12/05/2000	N001	-240		# -	-
	mV	04/04/2001	N001	-199		# -	-
	mV	06/12/2001	N001	-294		# -	-
	mV	08/22/2001	N001	-257		# -	-
pH	s.u.	12/05/2000	N001	7.4		# -	-
	s.u.	04/04/2001	N001	7.28		# -	-
	s.u.	06/12/2001	N001	7.15		# -	-
	s.u.	08/22/2001	N001	7.08		# -	-
Polonium-210	pCi/L	12/05/2000	0001	0.05	U	# 0.05	± 0.06
	pCi/L	04/04/2001	0001	0.06		# 0.05	± 0.03
	pCi/L	06/12/2001	0001	0.06	U	# 0.06	± 0.04
	pCi/L	08/22/2001	0001	0.08	U	# 0.08	± 0.04
Potassium	mg/L	12/05/2000	0001	11.500		# 0.0359	-
	mg/L	04/04/2001	0001	13.900		# 0.0091	-
	mg/L	06/12/2001	0001	19.100		# 0.0088	-
	mg/L	08/22/2001	0001	15.200		# 0.0088	-
Radium-226	pCi/L	12/05/2000	0001	0.13	U	# 0.13	± 0.08
	pCi/L	04/04/2001	0001	0.12	U	# 0.12	± 0.07
	pCi/L	06/12/2001	0001	0.1		# 0.09	± 0.06
	pCi/L	08/22/2001	0001	0.11	U	# 0.11	± 0.07
Radium-228	pCi/L	12/05/2000	0001	0.70	U	# 0.7	± 0.41
	pCi/L	04/04/2001	0001	0.86	U	# 0.86	± 0.50



GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS  
LOCATION: 0890  
REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE: DATE	ID	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
Radium-228	pCi/L	06/12/2001	0001	0.73	U	# 0.73	± 0.43
	pCi/L	08/22/2001	0001	0.97	U	# 0.97	± 0.57
Selenium	mg/L	12/05/2000	0001	0.0001	U	# 0.0001	-
	mg/L	04/04/2001	0001	0.00034	B U	# 0.0003	-
	mg/L	06/12/2001	0001	0.0003	U	# 0.0003	-
	mg/L	08/22/2001	0001	0.0003	U	# 0.0003	-
Sodium	mg/L	12/05/2000	0001	1090.000		# 52.5	-
	mg/L	04/04/2001	0001	1550.000		# 0.052	-
	mg/L	06/12/2001	0001	1470.000	E J	# 0.085	-
	mg/L	08/22/2001	0001	1440.000		# 0.085	-
Specific Conductance	umhos/cm	12/05/2000	N001	5890		# -	-
	umhos/cm	04/04/2001	N001	6690		# -	-
	umhos/cm	06/12/2001	N001	702		# -	-
	umhos/cm	08/22/2001	N001	7080		# -	-
Sulfate	mg/L	12/05/2000	0001	1700.000		# 1.4725	-
	mg/L	04/04/2001	0001	2340.000		# 0.1265	-
	mg/L	06/12/2001	0001	2420.000		# 0.1265	-
	mg/L	08/22/2001	0001	2650.000		# 0.1265	-
Temperature	C	12/05/2000	N001	14.6		# -	-
	C	04/04/2001	N001	14.9		# -	-
	C	06/12/2001	N001	15.1		# -	-
	C	08/22/2001	N001	13.9		# -	-
Temperature of Zobell Solu	C	12/05/2000	N001	6.8		# -	-
	C	04/04/2001	N001	12.1		# -	-
	C	06/12/2001	N001	11.7		# -	-
	C	08/22/2001	N001	17		# -	-
Thallium	mg/L	12/05/2000	0001	0.0001	U	# 0.0001	-
	mg/L	04/04/2001	0001	0.0001	U	# 0.0001	-
	mg/L	06/12/2001	0001	0.00016	BE UJ	# -	-
	mg/L	08/22/2001	0001	0.0001	U	# 0.0001	-
Thorium-230	pCi/L	12/05/2000	0001	1.7	U	# 1.72	-
	pCi/L	04/04/2001	0001	0.92	U	# 0.92	-
	pCi/L	06/12/2001	0001	1.5	U	# 1.48	-
	pCi/L	08/22/2001	0001	9.8		# 1.48	-

GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS  
LOCATION: 0890  
REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE: DATE	ID	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
Total Dissolved Solids	mg/L	12/05/2000	0001	4090		# 10	-
	mg/L	04/04/2001	0001	5060		# 10	-
	mg/L	06/12/2001	0001	5260		# 10	-
	mg/L	08/22/2001	0001	5460		# 10	-
Turbidity	NTU	12/05/2000	N001	6.68		# -	-
	NTU	04/04/2001	N001	5.01		# -	-
	NTU	06/12/2001	N001	8.63		# -	-
	NTU	08/22/2001	N001	2.74		# -	-
Uranium	mg/L	12/05/2000	0001	0.00017	B U	# 0.0001	-
	mg/L	04/04/2001	0001	0.00038	BE UJ	# 0.0001	-
	mg/L	06/12/2001	0001	0.0001	U	# 0.0001	-
	mg/L	08/22/2001	0001	0.0001	U	# 0.0001	-
Uranium-234	pCi/L	04/04/2001	0001	0.47	B* UJ	# 0.4	-
Uranium-238	pCi/L	04/04/2001	0001	0.1	U	# 0.1	-
Vanadium	mg/L	12/05/2000	0001	0.0015	U	# 0.0015	-
	mg/L	04/04/2001	0001	0.00047	B	# 0.0004	-
	mg/L	06/12/2001	0001	0.0003	U	# 0.0003	-
	mg/L	08/22/2001	0001	0.0003	U	# 0.0003	-
Zinc	mg/L	12/05/2000	0001	0.010	U	# 0.0102	-
	mg/L	04/04/2001	0001	0.0095	U	# 0.0095	-
	mg/L	06/12/2001	0001	0.0226	B	# 0.0073	-
	mg/L	08/22/2001	0001	0.0147	B	# 0.0073	-

GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS  
LOCATION: 0890  
REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		

RECORDS: SELECTED FROM USEE100 WHERE site\_code='DUR02' AND (NOT (data\_validation\_qualifiers LIKE "R" OR data\_validation\_qualifiers LIKE "X") OR IsNull(data\_validation\_qualifiers)) AND DATE\_SAMPLED <= #8/31/2001#

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LAB QUALIFIERS:

- \* Replicate analysis not within control limits.
- + Correlation coefficient for MSA < 0.995.
- A TIC is a suspected aldol-condensation product.
- B Inorganic: Result is between the IDL and CRDL. Organic: Analyte also found in method blank.
- E Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
- Z Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- H Holding time expired, value suspect.
- I Increased detection limit due to required dilution.
- C Pesticide result confirmed by GC-MS.
- M GFAA duplicate injection precision not met.
- N Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC).
- S Result determined by method of standard addition (MSA).
- U Analytical result below detection limit.
- W Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
- D Analyte determined in diluted sample.
- P > 25% difference in detected pesticide or Arochlor concentrations between 2 columns.
- X Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- Y Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- > Result above upper detection limit.
- J Estimated

DATA QUALIFIERS:

- |  |  |
|--|--|
| J Estimated value.                             | F Low flow sampling method used.                     |
| G Possible grout contamination, pH > 9.        | L Less than 3 bore volumes purged prior to sampling. |
| R Unusable result.                             | X Location is undefined.                             |
| U Parameter analyzed for but was not detected. |  |

QA QUALIFIER: # = validated according to Quality Assurance guidelines.

## GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS

LOCATION: 0891

REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Ammonium	mg/L	03/30/2001	0001	0.470		L	#	0.0062	-
Antimony	mg/L	12/06/2000	0001	0.00063	B	L	#	0.0003	-
	mg/L	04/04/2001	0001	0.00071	B	UL	#	0.0003	-
Arsenic	mg/L	12/06/2000	0001	0.0019	B	L	#	0.0002	-
	mg/L	04/04/2001	0001	0.0022	B	L	#	0.0005	-
Cadmium	mg/L	12/06/2000	0001	0.002		L	#	0.0002	-
	mg/L	04/04/2001	0001	0.00095	B	UL	#	0.0002	-
Calcium	mg/L	12/06/2000	0001	7.210		L	#	0.032	-
	mg/L	04/04/2001	0001	4.970		L	#	0.0642	-
Chloride	mg/L	03/30/2001	0001	27.100		L	#	0.0149	-
Chromium	mg/L	12/06/2000	0001	0.0059	U	L	#	0.0059	-
	mg/L	04/04/2001	0001	0.0008	U	L	#	0.0008	-
Copper	mg/L	12/06/2000	0001	0.0025	U	L	#	0.0025	-
	mg/L	04/04/2001	0001	0.0034	U	L	#	0.0034	-
Iron	mg/L	12/06/2000	0001	0.198		L	#	0.011	-
	mg/L	04/04/2001	0001	0.117		L	#	0.001	-
Lead	mg/L	12/06/2000	0001	0.0016	B	L	#	0.0001	-
	mg/L	04/04/2001	0001	0.0004	B	UL	#	0.0001	-
Magnesium	mg/L	12/06/2000	0001	1.920		L	#	0.0471	-
	mg/L	04/04/2001	0001	1.280		L	#	0.0031	-
Manganese	mg/L	12/06/2000	0001	0.214		L	#	0.003	-
	mg/L	04/04/2001	0001	0.201		L	#	0.0001	-
Molybdenum	mg/L	12/06/2000	0001	0.0795		L	#	0.0003	-
	mg/L	04/04/2001	0001	0.0899		L	#	0.0004	-
Nitrate as NO3	mg/L	03/30/2001	0001	0.0832	B	L	#	0.0171	-
ORP of Zobell Solution	mV	12/06/2000	N001	226		L	#	-	-
	mV	03/30/2001	N001	233		L	#	-	-
Oxidation Reduction Potent	mV	12/06/2000	N001	-103		L	#	-	-
	mV	03/30/2001	N001	-52		L	#	-	-
pH	s.u.	12/06/2000	N001	8.09		L	#	-	-
	s.u.	03/30/2001	N001	8.34		L	#	-	-
Potassium	mg/L	12/06/2000	0001	2.920		L	#	0.0359	-

## GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS

LOCATION: 0891

REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE: DATE	ID	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
Potassium	mg/L	04/04/2001	0001	2.510	L #	0.0091	-
Selenium	mg/L	12/06/2000	0001	0.00038	B L #	0.0001	-
	mg/L	04/04/2001	0001	0.0003	U L #	0.0003	-
Sodium	mg/L	12/06/2000	0001	248.000	L #	0.525	-
	mg/L	04/04/2001	0001	382.000	L #	0.052	-
Specific Conductance	umhos/cm	12/06/2000	N001	1122	L #	-	-
	umhos/cm	03/30/2001	N001	1490	L #	-	-
Sulfate	mg/L	03/30/2001	0001	133.000	L #	0.0253	-
Temperature	C	12/06/2000	N001	11.7	L #	-	-
	C	03/30/2001	N001	12.8	L #	-	-
Temperature of Zobell Solu	C	12/06/2000	N001	10.2	L #	-	-
	C	03/30/2001	N001	6.1	L #	-	-
Thallium	mg/L	12/06/2000	0001	0.0001	U L #	0.0001	-
	mg/L	04/04/2001	0001	0.00032	B UL #	0.0001	-
Thorium-230	pCi/L	12/06/2000	0001	1.7	U L #	1.72	-
	pCi/L	04/04/2001	0001	0.92	U L #	0.92	-
Turbidity	NTU	12/06/2000	N001	918	L #	-	-
	NTU	03/30/2001	N001	789	L #	-	-
Uranium	mg/L	12/06/2000	0001	0.0062	L #	0.0001	-
	mg/L	04/04/2001	0001	0.0138	L #	0.0001	-
Uranium-234	pCi/L	04/04/2001	0001	7.7	L #	0.4	-
Uranium-238	pCi/L	04/04/2001	0001	6	L #	0.1	-
Vanadium	mg/L	12/06/2000	0001	0.0022	B UL #	0.0015	-
	mg/L	04/04/2001	0001	0.00072	B L #	0.0004	-
Zinc	mg/L	12/06/2000	0001	0.0407	B L #	0.0102	-
	mg/L	04/04/2001	0001	0.0243	B L #	0.0095	-

GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS  
LOCATION: 0891  
REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		

RECORDS: SELECTED FROM USEE100 WHERE site\_code='DUR02' AND (NOT (data\_validation\_qualifiers LIKE "R" OR data\_validation\_qualifiers LIKE "X") OR IsNull(data\_validation\_qualifiers)) AND DATE\_SAMPLED <= #8/31/2001#

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LAB QUALIFIERS:

- \* Replicate analysis not within control limits.
- + Correlation coefficient for MSA < 0.995.
- A TIC is a suspected aldol-condensation product.
- B Inorganic: Result is between the IDL and CRDL. Organic: Analyte also found in method blank.
- E Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
- Z Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- H Holding time expired, value suspect.
- I Increased detection limit due to required dilution.
- C Pesticide result confirmed by GC-MS.
- M GFAA duplicate injection precision not met.
- N Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC).
- S Result determined by method of standard addition (MSA).
- U Analytical result below detection limit.
- W Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
- D Analyte determined in diluted sample.
- P > 25% difference in detected pesticide or Arochlor concentrations between 2 columns.
- X Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- Y Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- > Result above upper detection limit.
- J Estimated

DATA QUALIFIERS:

- J Estimated value.
- G Possible grout contamination, pH > 9.
- R Unusable result.
- U Parameter analyzed for but was not detected.
- F Low flow sampling method used.
- L Less than 3 bore volumes purged prior to sampling.
- X Location is undefined.

QA QUALIFIER: # = validated according to Quality Assurance guidelines.

GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS  
LOCATION: 0892  
REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Alkalinity as CaCO3	mg/L	12/05/2000	0001	487				#	-
	mg/L	12/05/2000	N001	496				#	-
	mg/L	04/04/2001	0001	490				#	-
	mg/L	04/04/2001	N001	485				#	-
	mg/L	06/12/2001	0001	471				#	-
	mg/L	06/12/2001	N001	415				#	-
	mg/L	08/22/2001	0001	210				#	-
	mg/L	08/22/2001	N001	511				#	-
Ammonium	mg/L	12/05/2000	0001	2.990				#	0.0047
	mg/L	12/05/2000	0002	2.690				#	0.0047
	mg/L	04/04/2001	0001	3.960				#	0.0062
	mg/L	06/12/2001	0001	3.300				#	0.0062
	mg/L	08/22/2001	0001	3.440				#	0.0062
	mg/L	08/22/2001	0002	3.410				#	0.0062
Antimony	mg/L	12/05/2000	0001	0.0006	B	U		#	0.0003
	mg/L	12/05/2000	0002	0.00057	B	U		#	0.0003
	mg/L	04/04/2001	0001	0.00036	B	U		#	0.0003
	mg/L	06/12/2001	0001	0.0008	U			#	0.0008
	mg/L	08/22/2001	0001	0.00022	B	U		#	0.0002
	mg/L	08/22/2001	0002	0.0002	U			#	0.0002
Arsenic	mg/L	12/05/2000	0001	0.0002	U			#	0.0002
	mg/L	12/05/2000	0002	0.0002	U			#	0.0002
	mg/L	04/04/2001	0001	0.0005	U			#	0.0005
	mg/L	06/12/2001	0001	0.0005	U			#	0.0005
	mg/L	08/22/2001	0001	0.0005	U			#	0.0005
	mg/L	08/22/2001	0002	0.0005	U			#	0.0005
Cadmium	mg/L	12/05/2000	0001	0.0002	U			#	0.0002
	mg/L	12/05/2000	0002	0.0002	U			#	0.0002
	mg/L	04/04/2001	0001	0.0002	B	U		#	0.0002
	mg/L	06/12/2001	0001	0.0004	U			#	0.0004
	mg/L	08/22/2001	0001	0.00067	B	U		#	0.0003
	mg/L	08/22/2001	0002	0.00068	B	U		#	0.0003
Calcium	mg/L	12/05/2000	0001	385.000				#	0.032
	mg/L	12/05/2000	0002	372.000				#	0.032
	mg/L	04/04/2001	0001	391.000				#	0.0642

GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS  
LOCATION: 0892  
REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:		DETECTION	UN-
		DATE	ID		LAB	DATA	LIMIT	CERTAINTY
Calcium	mg/L	06/12/2001	0001	404.000			# 0.0814	-
	mg/L	08/22/2001	0001	399.000			# 0.0814	-
	mg/L	08/22/2001	0002	397.000			# 0.0814	-
Chloride	mg/L	12/05/2000	0001	681.000			# 0.6	-
	mg/L	12/05/2000	0002	707.000			# 0.6	-
	mg/L	04/04/2001	0001	620.000			# 0.0745	-
	mg/L	06/12/2001	0001	594.000			# 0.149	-
	mg/L	08/22/2001	0001	628.000			# 0.0745	-
	mg/L	08/22/2001	0002	623.000			# 0.0745	-
Chromium	mg/L	12/05/2000	0001	0.0059	U		# 0.0059	-
	mg/L	12/05/2000	0002	0.0059	U		# 0.0059	-
	mg/L	04/04/2001	0001	0.0008	U		# 0.0008	-
	mg/L	06/12/2001	0001	0.0008	U		# 0.0008	-
	mg/L	08/22/2001	0001	0.0008	U		# 0.0008	-
	mg/L	08/22/2001	0002	0.0008	U		# 0.0008	-
Copper	mg/L	12/05/2000	0001	0.0025	U		# 0.0025	-
	mg/L	12/05/2000	0002	0.0025	U		# 0.0025	-
	mg/L	04/04/2001	0001	0.0034	U		# 0.0034	-
	mg/L	06/12/2001	0001	0.0031	B	U	# 0.0003	-
	mg/L	08/22/2001	0001	0.00093	B		# 0.0003	-
	mg/L	08/22/2001	0002	0.0004	B		# 0.0003	-
Gross Alpha	pCi/L	12/05/2000	0001	64.12	U	J	# 64.12	± 37.7
	pCi/L	12/05/2000	0002	64.04	U	J	# 64.04	± 38.6
	pCi/L	04/04/2001	0001	70.59	U	J	# 70.59	± 44.2
	pCi/L	06/12/2001	0001	75.11	U		# 75.11	± 41.2
	pCi/L	08/22/2001	0001	60.78	U		# 60.78	± 34.3
	pCi/L	08/22/2001	0002	60.75	U		# 60.75	± 36.4
Gross Beta	pCi/L	12/05/2000	0001	59.21	U		# 59.21	± 36.1
	pCi/L	12/05/2000	0002	59.25	U		# 59.25	± 34.1
	pCi/L	04/04/2001	0001	74.53	U		# 74.53	± 42.8
	pCi/L	06/12/2001	0001	74.03	U		# 74.03	± 42.2
	pCi/L	08/22/2001	0001	58.5	U		# 58.5	± 33.5
	pCi/L	08/22/2001	0002	58.58	U		# 58.58	± 33.6
Iron	mg/L	12/05/2000	0001	4.540			# 0.011	-
	mg/L	12/05/2000	0002	4.230			# 0.011	-



GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS  
LOCATION: 0892  
REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE: DATE	ID	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
Iron	mg/L	04/04/2001	0001	3.790		# 0.001	-
	mg/L	06/12/2001	0001	3.560	E J	# 0.0008	-
	mg/L	08/22/2001	0001	3.510		# 0.0008	-
	mg/L	08/22/2001	0002	3.500		# 0.0008	-
Lead	mg/L	12/05/2000	0001	0.0001	U	# 0.0001	-
	mg/L	12/05/2000	0002	0.0001	U	# 0.0001	-
	mg/L	04/04/2001	0001	0.00026	B U	# 0.0001	-
	mg/L	06/12/2001	0001	0.0001	U	# 0.0001	-
	mg/L	08/22/2001	0001	0.0001	U	# 0.0001	-
	mg/L	08/22/2001	0002	0.0001	U	# 0.0001	-
Lead-210	pCi/L	12/05/2000	0001	1.23	U	# 1.23	± 0.72
	pCi/L	12/05/2000	0002	1.18	U	# 1.18	± 0.69
	pCi/L	04/04/2001	0001	1.28	U	# 1.28	± 0.73
	pCi/L	06/12/2001	0001	1.19	U	# 1.19	± 0.68
	pCi/L	08/22/2001	0001	1.34	U	# 1.34	± 0.79
	pCi/L	08/22/2001	0002	1.26	U	# 1.26	± 0.73
Magnesium	mg/L	12/05/2000	0001	401.000		# 0.0471	-
	mg/L	12/05/2000	0002	396.000		# 0.0471	-
	mg/L	04/04/2001	0001	340.000		# 0.0031	-
	mg/L	06/12/2001	0001	372.000		# 0.0034	-
	mg/L	08/22/2001	0001	374.000		# 0.0034	-
	mg/L	08/22/2001	0002	378.000		# 0.0034	-
Manganese	mg/L	12/05/2000	0001	0.964		# 0.003	-
	mg/L	12/05/2000	0002	0.908		# 0.003	-
	mg/L	04/04/2001	0001	1.110		# 0.0001	-
	mg/L	06/12/2001	0001	1.080		# 0.0001	-
	mg/L	08/22/2001	0001	1.140		# 0.0001	-
	mg/L	08/22/2001	0002	1.120		# 0.0001	-
Molybdenum	mg/L	12/05/2000	0001	0.00057	B	# 0.0003	-
	mg/L	12/05/2000	0002	0.00047	B	# 0.0003	-
	mg/L	04/04/2001	0001	0.00098	B U	# 0.0004	-
	mg/L	06/12/2001	0001	0.003	U	# 0.003	-
	mg/L	08/22/2001	0001	0.003	U	# 0.003	-
	mg/L	08/22/2001	0002	0.003	U	# 0.003	-
Nitrate as NO3	mg/L	12/05/2000	0001	0.0314	U	# 0.0314	-

GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS  
LOCATION: 0892  
REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE: DATE	ID	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
Nitrate as NO3	mg/L	12/05/2000	0002	0.0314	U	# 0.0314	-
	mg/L	04/04/2001	0001	2.690		# 0.0171	-
	mg/L	06/12/2001	0001	0.0171	U	# 0.0171	-
	mg/L	08/22/2001	0001	0.096	B	# 0.0305	-
	mg/L	08/22/2001	0002	0.826	B	# 0.0305	-
ORP of Zobell Solution	mV	12/05/2000	N001	247		# -	-
	mV	04/04/2001	N001	220		# -	-
	mV	06/12/2001	N001	218		# -	-
	mV	08/22/2001	N001	230		# -	-
Oxidation Reduction Potent	mV	12/05/2000	N001	-118		# -	-
	mV	04/04/2001	N001	-76		# -	-
	mV	06/12/2001	N001	-175		# -	-
	mV	08/22/2001	N001	-187		# -	-
pH	s.u.	12/05/2000	N001	7		# -	-
	s.u.	04/04/2001	N001	6.85		# -	-
	s.u.	06/12/2001	N001	6.76		# -	-
	s.u.	08/22/2001	N001	6.95		# -	-
Polonium-210	pCi/L	12/05/2000	0001	0.05	U	# 0.05	± 0.06
	pCi/L	12/05/2000	0002	0.07	U	# 0.07	± 0.08
	pCi/L	04/04/2001	0001	0.09	UB	# 0.09	± 0.05
	pCi/L	06/12/2001	0001	0.1	U	# 0.1	± 0.05
	pCi/L	08/22/2001	0001	0.07	U	# 0.07	± 0.05
	pCi/L	08/22/2001	0002	0.12	U	# 0.12	± 0.06
Potassium	mg/L	12/05/2000	0001	20.000		# 0.0359	-
	mg/L	12/05/2000	0002	19.900		# 0.0359	-
	mg/L	04/04/2001	0001	21.900		# 0.0091	-
	mg/L	06/12/2001	0001	23.400		# 0.0088	-
	mg/L	08/22/2001	0001	22.300		# 0.0088	-
	mg/L	08/22/2001	0002	22.400		# 0.0088	-
Radium-226	pCi/L	12/05/2000	0001	0.14	U	# 0.14	± 0.08
	pCi/L	12/05/2000	0002	0.16	U	# 0.16	± 0.09
	pCi/L	04/04/2001	0001	0.15		# 0.11	± 0.07
	pCi/L	06/12/2001	0001	0.15		# 0.1	± 0.07
	pCi/L	08/22/2001	0001	0.18		# 0.11	± 0.07
	pCi/L	08/22/2001	0002	0.1	U	# 0.1	± 0.06

GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS  
LOCATION: 0892  
REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE: DATE	ID	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
Radium-228	pCi/L	12/05/2000	0001	0.72	U	# 0.72	± 0.42
	pCi/L	12/05/2000	0002	0.83	U	# 0.83	± 0.49
	pCi/L	04/04/2001	0001	0.84	U	# 0.84	± 0.49
	pCi/L	06/12/2001	0001	0.76	U	# 0.76	± 0.45
	pCi/L	08/22/2001	0001	0.9	U	# 0.9	± 0.53
	pCi/L	08/22/2001	0002	0.67	U	# 0.67	± 0.40
Selenium	mg/L	12/05/2000	0001	0.0001	U	# 0.0001	-
	mg/L	12/05/2000	0002	0.0001	U	# 0.0001	-
	mg/L	04/04/2001	0001	0.0003	U	# 0.0003	-
	mg/L	06/12/2001	0001	0.0003	U	# 0.0003	-
	mg/L	08/22/2001	0001	0.00036	B	# 0.0003	-
	mg/L	08/22/2001	0002	0.0003	U	# 0.0003	-
Sodium	mg/L	12/05/2000	0001	1770.000		# 52.5	-
	mg/L	12/05/2000	0002	1780.000		# 52.5	-
	mg/L	04/04/2001	0001	1900.000		# 0.052	-
	mg/L	06/12/2001	0001	1850.000	E J	# 0.085	-
	mg/L	08/22/2001	0001	1760.000		# 0.085	-
	mg/L	08/22/2001	0002	1770.000		# 0.085	-
Specific Conductance	umhos/cm	12/05/2000	N001	9710		# -	-
	umhos/cm	04/04/2001	N001	8060		# -	-
	umhos/cm	06/12/2001	N001	9890		# -	-
	umhos/cm	08/22/2001	N001	9540		# -	-
Sulfate	mg/L	12/05/2000	0001	4910.000		# 1.4725	-
	mg/L	12/05/2000	0002	5130.000		# 5.89	-
	mg/L	04/04/2001	0001	4960.000		# 0.1265	-
	mg/L	06/12/2001	0001	4980.000		# 0.253	-
	mg/L	08/22/2001	0001	5280.000		# 0.253	-
	mg/L	08/22/2001	0002	5200.000		# 0.253	-
Temperature	C	12/05/2000	N001	12.2		# -	-
	C	04/04/2001	N001	12.9		# -	-
	C	06/12/2001	N001	13		# -	-
	C	08/22/2001	N001	12.8		# -	-
Temperature of Zobell Solu	C	12/05/2000	N001	9.9		# -	-
	C	04/04/2001	N001	11.1		# -	-

GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS  
LOCATION: 0892  
REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:		DETECTION	UN-
		DATE	ID		LAB	DATA	QA	CERTAINTY
Temperature of Zobell Solu	C	06/12/2001	N001	21.8			#	-
	C	08/22/2001	N001	15.9			#	-
Thallium	mg/L	12/05/2000	0001	0.0001	U		#	0.0001
	mg/L	12/05/2000	0002	0.0001	U		#	0.0001
	mg/L	04/04/2001	0001	0.00032	B	U	#	0.0001
	mg/L	06/12/2001	0001	0.00015	BE	UJ	#	-
	mg/L	08/22/2001	0001	0.0001	U		#	0.0001
	mg/L	08/22/2001	0002	0.0001	U		#	0.0001
Thorium-230	pCi/L	12/05/2000	0001	1.7	U		#	1.72
	pCi/L	12/05/2000	0002	1.7	U		#	1.72
	pCi/L	04/04/2001	0001	0.92	U		#	0.92
	pCi/L	06/12/2001	0001	1.5	U		#	1.48
	pCi/L	08/22/2001	0001	1.5	U		#	1.48
	pCi/L	08/22/2001	0002	1.5	U		#	1.48
Total Dissolved Solids	mg/L	12/05/2000	0001	8990			#	10
	mg/L	12/05/2000	0002	9090			#	10
	mg/L	04/04/2001	0001	9180			#	10
	mg/L	06/12/2001	0001	9180			#	10
	mg/L	08/22/2001	0001	9190			#	10
	mg/L	08/22/2001	0002	9090			#	10
Turbidity	NTU	12/05/2000	N001	28.5			#	-
	NTU	04/04/2001	N001	3.47			#	-
	NTU	06/12/2001	N001	19.7			#	-
	NTU	08/22/2001	N001	12.3			#	-
Uranium	mg/L	12/05/2000	0001	0.0225			#	0.0001
	mg/L	12/05/2000	0002	0.0227			#	0.0001
	mg/L	04/04/2001	0001	0.039			#	0.0001
	mg/L	06/12/2001	0001	0.0313			#	0.0001
	mg/L	08/22/2001	0001	0.032			#	0.0001
	mg/L	08/22/2001	0002	0.0316			#	0.0001
Uranium-234	pCi/L	04/04/2001	0001	13.1			#	0.4
Uranium-238	pCi/L	04/04/2001	0001	15.9			#	0.1
Vanadium	mg/L	12/05/2000	0001	0.0015	U		#	0.0015
	mg/L	12/05/2000	0002	0.0015	U		#	0.0015

GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS  
LOCATION: 0892  
REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Vanadium	mg/L	04/04/2001	0001	0.0004	U		#	0.0004	-
	mg/L	06/12/2001	0001	0.0003	U		#	0.0003	-
	mg/L	08/22/2001	0001	0.0003	U		#	0.0003	-
	mg/L	08/22/2001	0002	0.00036	B	U	#	0.0003	-
Zinc	mg/L	12/05/2000	0001	0.010	U		#	0.0102	-
	mg/L	12/05/2000	0002	0.010	U		#	0.0102	-
	mg/L	04/04/2001	0001	0.0257	B		#	0.0095	-
	mg/L	06/12/2001	0001	0.0213	B		#	0.0073	-
	mg/L	08/22/2001	0001	0.010	B		#	0.0073	-
	mg/L	08/22/2001	0002	0.0095	B		#	0.0073	-

RECORDS: SELECTED FROM USEE100 WHERE site\_code='DUR02' AND (NOT (data\_validation\_qualifiers LIKE "R" OR data\_validation\_qualifiers LIKE "X") OR IsNull(data\_validation\_qualifiers)) AND DATE\_SAMPLED <= #8/31/2001#

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LAB QUALIFIERS:

- \* Replicate analysis not within control limits.
- + Correlation coefficient for MSA < 0.995.
- A TIC is a suspected aldol-condensation product.
- B Inorganic: Result is between the IDL and CRDL. Organic: Analyte also found in method blank.
- E Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
- Z Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- H Holding time expired, value suspect.
- I Increased detection limit due to required dilution.
- C Pesticide result confirmed by GC-MS.
- M GFAA duplicate injection precision not met.
- N Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC).
- S Result determined by method of standard addition (MSA).
- U Analytical result below detection limit.
- W Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
- D Analyte determined in diluted sample.
- P > 25% difference in detected pesticide or Arochlor concentrations between 2 columns.
- X Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- Y Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- > Result above upper detection limit.
- J Estimated

DATA QUALIFIERS:

- J Estimated value.
- G Possible grout contamination, pH > 9.
- R Unusable result.
- U Parameter analyzed for but was not detected.
- F Low flow sampling method used.
- L Less than 3 bore volumes purged prior to sampling.
- X Location is undefined.

QA QUALIFIER: # = validated according to Quality Assurance guidelines.

GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS  
LOCATION: 0893  
REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE: DATE	ID	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
Alkalinity as CaCO3	mg/L	03/30/2001	N001	840	L	#	-
Ammonium	mg/L	12/05/2000	0001	0.822	L	#	0.0047
	mg/L	03/30/2001	0001	1.490	L	#	0.0062
Antimony	mg/L	12/05/2000	0001	0.0024	B	UL	#
	mg/L	03/30/2001	0001	0.0022	B	UL	#
Arsenic	mg/L	12/05/2000	0001	0.004	B	L	#
	mg/L	03/30/2001	0001	0.0018	B	L	#
Cadmium	mg/L	12/05/2000	0001	0.0002	U	L	#
	mg/L	03/30/2001	0001	0.00043	B	UL	#
Calcium	mg/L	12/05/2000	0001	26.100	L	#	0.032
	mg/L	03/30/2001	0001	13.200	L	#	0.0642
Chloride	mg/L	12/05/2000	0001	875.000	L	#	0.6
	mg/L	03/30/2001	0001	1340.000	L	#	0.149
Chromium	mg/L	12/05/2000	0001	0.0068	B	L	#
	mg/L	03/30/2001	0001	0.0011	B	L	#
Copper	mg/L	12/05/2000	0001	0.0065	B	L	#
	mg/L	03/30/2001	0001	0.0034	U	L	#
Iron	mg/L	12/05/2000	0001	5.490	L	#	0.011
	mg/L	03/30/2001	0001	1.030	L	#	0.001
Lead	mg/L	12/05/2000	0001	0.0107	L	#	0.0001
	mg/L	03/30/2001	0001	0.001	B	L	#
Magnesium	mg/L	12/05/2000	0001	8.580	L	#	0.0471
	mg/L	03/30/2001	0001	3.910	L	#	0.0031
Manganese	mg/L	12/05/2000	0001	0.209	L	#	0.003
	mg/L	03/30/2001	0001	0.164	L	#	0.0001
Molybdenum	mg/L	12/05/2000	0001	0.0754	L	#	0.0003
	mg/L	03/30/2001	0001	0.037	L	#	0.0004
Nitrate as NO3	mg/L	12/05/2000	0001	0.123	B	L	#
	mg/L	03/30/2001	0001	0.0425	B	L	#
ORP of Zobell Solution	mV	03/30/2001	N001	234	L	#	-
Oxidation Reduction Potent	mV	03/30/2001	N001	-147	L	#	-
pH	s.u.	03/30/2001	N001	8.23	L	#	-

GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS  
LOCATION: 0893  
REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:		DETECTION LIMIT	UN- CERTAINTY	
		DATE	ID		LAB	DATA QA			
Potassium	mg/L	12/05/2000	0001	5.810		L	#	0.0359	-
	mg/L	03/30/2001	0001	5.350		L	#	0.0091	-
Selenium	mg/L	12/05/2000	0001	0.00053	B	L	#	0.0001	-
	mg/L	03/30/2001	0001	0.0003	U	L	#	0.0003	-
Sodium	mg/L	12/05/2000	0001	807.000		L	#	52.5	-
	mg/L	03/30/2001	0001	1270.000		L	#	0.052	-
Specific Conductance	umhos/cm	03/30/2001	N001	5470		L	#	-	-
Sulfate	mg/L	12/05/2000	0001	138.000		L	#	0.2356	-
	mg/L	03/30/2001	0001	48.400		L	#	0.1265	-
Temperature	C	03/30/2001	N001	11.6		L	#	-	-
Temperature of Zobell Solu	C	03/30/2001	N001	6.5		L	#	-	-
Thallium	mg/L	12/05/2000	0001	0.00024	B	L	#	0.0001	-
	mg/L	03/30/2001	0001	0.00034	B	UL	#	0.0001	-
Thorium-230	pCi/L	03/30/2001	0001	0.92	U	L	#	0.92	-
Total Dissolved Solids	mg/L	12/05/2000	0001	2240		L	#	10	-
Turbidity	NTU	03/30/2001	N001	1000	>	L	#	-	-
Uranium	mg/L	12/05/2000	0001	0.016		L	#	0.0001	-
	mg/L	03/30/2001	0001	0.0057		L	#	0.0001	-
Uranium-234	pCi/L	03/30/2001	0001	3.9		L	#	0.4	-
Uranium-238	pCi/L	03/30/2001	0001	2.2		L	#	0.1	-
Vanadium	mg/L	12/05/2000	0001	0.0061	B	L	#	0.0015	-
	mg/L	03/30/2001	0001	0.0023	B	L	#	0.0004	-
Zinc	mg/L	12/05/2000	0001	0.108		L	#	0.0102	-
	mg/L	03/30/2001	0001	0.0452	B	L	#	0.0095	-

GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS  
LOCATION: 0893  
REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		

RECORDS: SELECTED FROM USEE100 WHERE site\_code='DUR02' AND (NOT (data\_validation\_qualifiers LIKE "R" OR data\_validation\_qualifiers LIKE "X" ) OR IsNull(data\_validation\_qualifiers)) AND DATE\_SAMPLED <= #8/31/2001#

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LAB QUALIFIERS:

- \* Replicate analysis not within control limits.
- + Correlation coefficient for MSA < 0.995.
- A TIC is a suspected aldol-condensation product.
- B Inorganic: Result is between the IDL and CRDL. Organic: Analyte also found in method blank.
- E Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
- Z Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- H Holding time expired, value suspect.
- I Increased detection limit due to required dilution.
- C Pesticide result confirmed by GC-MS.
- M GFAA duplicate injection precision not met.
- N Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC).
- S Result determined by method of standard addition (MSA).
- U Analytical result below detection limit.
- W Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
- D Analyte determined in diluted sample.
- P > 25% difference in detected pesticide or Arochlor concentrations between 2 columns.
- X Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- Y Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- > Result above upper detection limit.
- J Estimated

DATA QUALIFIERS:

- J Estimated value.
- G Possible grout contamination, pH > 9.
- R Unusable result.
- U Parameter analyzed for but was not detected.
- F Low flow sampling method used.
- L Less than 3 bore volumes purged prior to sampling.
- X Location is undefined.

QA QUALIFIER: # = validated according to Quality Assurance guidelines.



GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS  
LOCATION: 0902  
REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:		DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA QA		
Alkalinity as CaCO3	mg/L	11/30/2000	0001	732		L	#	-
	mg/L	11/30/2000	N001	680		L	#	-
	mg/L	04/04/2001	0001	957		L	#	-
	mg/L	04/04/2001	N001	948		L	#	-
	mg/L	06/06/2001	0001	1556		F	#	-
	mg/L	06/06/2001	N001	1850		F	#	-
	mg/L	08/23/2001	0001	1040		L	#	-
	mg/L	08/23/2001	N001	1075		L	#	-
Ammonium	mg/L	11/30/2000	0001	1.690		L	#	0.0047
	mg/L	04/04/2001	0001	1.840		L	#	0.0062
	mg/L	06/06/2001	0001	2.600		F	#	0.0062
	mg/L	08/23/2001	0001	2.380		L	#	0.0062
Antimony	mg/L	11/30/2000	0001	0.00043	B	UL	#	0.0003
	mg/L	04/04/2001	0001	0.00049	B	UL	#	0.0003
	mg/L	06/06/2001	0001	0.0008	U	F	#	0.0008
	mg/L	08/23/2001	0001	0.00064	B	UL	#	0.0002
Arsenic	mg/L	11/30/2000	0001	0.0007	B	L	#	0.0002
	mg/L	04/04/2001	0001	0.0005	U	L	#	0.0005
	mg/L	06/06/2001	0001	0.0005	U	F	#	0.0005
	mg/L	08/23/2001	0001	0.0005	U	L	#	0.0005
Cadmium	mg/L	11/30/2000	0001	0.0002	U	L	#	0.0002
	mg/L	04/04/2001	0001	0.00022	B	UL	#	0.0002
	mg/L	06/06/2001	0001	0.0004	U	F	#	0.0004
	mg/L	08/23/2001	0001	0.00072	B	UL	#	0.0003
Calcium	mg/L	11/30/2000	0001	18.200		L	#	0.032
	mg/L	04/04/2001	0001	19.500		L	#	0.0642
	mg/L	06/06/2001	0001	18.700		F	#	0.0814
	mg/L	08/23/2001	0001	29.800		L	#	0.0814
Chloride	mg/L	11/30/2000	0001	725.000		L	#	0.6
	mg/L	04/04/2001	0001	803.000		L	#	0.149
	mg/L	06/06/2001	0001	716.000		F	#	0.149
	mg/L	08/23/2001	0001	865.000		L	#	0.0745
Chromium	mg/L	11/30/2000	0001	0.0059	U	L	#	0.0059
	mg/L	04/04/2001	0001	0.0008	U	L	#	0.0008

GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS  
LOCATION: 0902  
REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE: DATE	ID	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
Chromium	mg/L	06/06/2001	0001	0.0008	U F #	0.0008	-
	mg/L	08/23/2001	0001	0.0008	U L #	0.0008	-
Copper	mg/L	11/30/2000	0001	0.0025	U L #	0.0025	-
	mg/L	04/04/2001	0001	0.0034	U L #	0.0034	-
	mg/L	06/06/2001	0001	0.0003	U F #	0.0003	-
	mg/L	08/23/2001	0001	0.0007	B UL #	0.0003	-
Gross Alpha	pCi/L	11/30/2000	0001	35.09	U L #	35.09	± 21.1
	pCi/L	04/04/2001	0001	42.69	U JL #	42.69	± 21.4
	pCi/L	06/06/2001	0001	45.98	U F #	45.98	± 24.3
	pCi/L	08/23/2001	0001	56.89	U JL #	56.89	± 27.9
Gross Beta	pCi/L	11/30/2000	0001	32.61	L #	29.83	± 18.7
	pCi/L	04/04/2001	0001	42.57	U L #	42.57	± 24.0
	pCi/L	06/06/2001	0001	39.85	U F #	39.85	± 22.8
	pCi/L	08/23/2001	0001	49.96	U L #	49.96	± 28.2
Iron	mg/L	11/30/2000	0001	0.126	L #	0.011	-
	mg/L	04/04/2001	0001	0.0709	L #	0.001	-
	mg/L	06/06/2001	0001	0.478	F #	0.0008	-
	mg/L	08/23/2001	0001	0.605	L #	0.0008	-
Lead	mg/L	11/30/2000	0001	0.0001	U L #	0.0001	-
	mg/L	04/04/2001	0001	0.0002	B UL #	0.0001	-
	mg/L	06/06/2001	0001	0.00038	B UF #	0.0001	-
	mg/L	08/23/2001	0001	0.0001	U L #	0.0001	-
Lead-210	pCi/L	11/30/2000	0001	1.38	U L #	1.38	± 0.81
	pCi/L	04/04/2001	0001	1.41	U L #	1.41	± 0.79
	pCi/L	06/06/2001	0001	1.3	U F #	1.3	± 0.74
	pCi/L	08/23/2001	0001	1.37	U L #	1.37	± 0.80
Magnesium	mg/L	11/30/2000	0001	6.040	L #	0.0471	-
	mg/L	04/04/2001	0001	6.130	L #	0.0031	-
	mg/L	06/06/2001	0001	6.380	F #	0.0034	-
	mg/L	08/23/2001	0001	10.200	L #	0.0034	-
Manganese	mg/L	11/30/2000	0001	0.229	L #	0.003	-
	mg/L	04/04/2001	0001	0.272	L #	0.0001	-
	mg/L	06/06/2001	0001	0.140	F #	0.0001	-
	mg/L	08/23/2001	0001	0.0694	L #	0.0001	-

GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS  
LOCATION: 0902  
REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Molybdenum	mg/L	11/30/2000	0001	0.0033	B	L	#	0.0003	-
	mg/L	04/04/2001	0001	0.0065	B	L	#	0.0004	-
	mg/L	06/06/2001	0001	0.003	U	F	#	0.003	-
	mg/L	08/23/2001	0001	0.003	U	L	#	0.003	-
Nitrate as NO3	mg/L	11/30/2000	0001	0.191	B	L	#	0.0314	-
	mg/L	04/04/2001	0001	0.116	B	L	#	0.0171	-
	mg/L	06/06/2001	0001	0.137	B	F	#	0.0171	-
	mg/L	08/23/2001	0001	0.293	B	L	#	0.0305	-
ORP of Zobell Solution	mV	11/30/2000	N001	219		L	#	-	-
	mV	04/04/2001	N001	223		L	#	-	-
	mV	06/06/2001	N001	234		F	#	-	-
	mV	08/23/2001	N001	245		L	#	-	-
Oxidation Reduction Potent	mV	11/30/2000	N001	-192		L	#	-	-
	mV	04/04/2001	N001	-91		L	#	-	-
	mV	06/06/2001	N001	-157		F	#	-	-
	mV	08/23/2001	N001	-169		L	#	-	-
pH	s.u.	11/30/2000	N001	7.84		L	#	-	-
	s.u.	04/04/2001	N001	7.61		L	#	-	-
	s.u.	06/06/2001	N001	7.33		F	#	-	-
	s.u.	08/23/2001	N001	7.65		L	#	-	-
Polonium-210	pCi/L	11/30/2000	0001	0.29		L	#	0.07	± 0.16
	pCi/L	04/04/2001	0001	0.09	UB	L	#	0.09	± 0.05
	pCi/L	06/06/2001	0001	0.19	U	F	#	0.19	± 0.07
	pCi/L	08/23/2001	0001	0.05	U	L	#	0.05	± 0.03
Potassium	mg/L	11/30/2000	0001	5.900		L	#	0.0359	-
	mg/L	04/04/2001	0001	6.320		L	#	0.0091	-
	mg/L	06/06/2001	0001	7.320		F	#	0.0088	-
	mg/L	08/23/2001	0001	7.650		L	#	0.0088	-
Radium-226	pCi/L	11/30/2000	0001	0.22		L	#	0.18	± 0.12
	pCi/L	04/04/2001	0001	0.29		L	#	0.06	± 0.05
	pCi/L	06/06/2001	0001	0.29		F	#	0.12	± 0.09
	pCi/L	08/23/2001	0001	0.13		L	#	0.12	± 0.08
Radium-228	pCi/L	11/30/2000	0001	0.90	U	L	#	0.9	± 0.54
	pCi/L	04/04/2001	0001	0.50	U	L	#	0.5	± 0.29

GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS  
LOCATION: 0902  
REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION	UN-
		DATE	ID		LAB	DATA	QA	LIMIT	CERTAINTY
Radium-228	pCi/L	06/06/2001	0001	1.03	U	F	#	1.03	± 0.60
	pCi/L	08/23/2001	0001	0.82	U	L	#	0.82	± 0.49
Selenium	mg/L	11/30/2000	0001	0.0001	U	L	#	0.0001	-
	mg/L	04/04/2001	0001	0.0003	U	L	#	0.0003	-
	mg/L	06/06/2001	0001	0.0003	U	F	#	0.0003	-
	mg/L	08/23/2001	0001	0.0003	U	L	#	0.0003	-
Sodium	mg/L	11/30/2000	0001	1420.000		L	#	52.5	-
	mg/L	04/04/2001	0001	1830.000		L	#	0.052	-
	mg/L	06/06/2001	0001	1760.000		F	#	0.085	-
	mg/L	08/23/2001	0001	2000.000		L	#	0.085	-
Specific Conductance	umhos/cm	11/30/2000	N001	7250		L	#	-	-
	umhos/cm	04/04/2001	N001	6800		L	#	-	-
	umhos/cm	06/06/2001	N001	6090		F	#	-	-
	umhos/cm	08/23/2001	N001	6730		L	#	-	-
Sulfate	mg/L	11/30/2000	0001	1580.000		L	#	1.4725	-
	mg/L	04/04/2001	0001	1770.000		L	#	0.253	-
	mg/L	06/06/2001	0001	1500.000		F	#	0.253	-
	mg/L	08/23/2001	0001	2390.000		L	#	0.1265	-
Temperature	C	11/30/2000	N001	12.6		L	#	-	-
	C	04/04/2001	N001	15.9		L	#	-	-
	C	06/06/2001	N001	15.6		F	#	-	-
	C	08/23/2001	N001	15.4		L	#	-	-
Temperature of Zobell Solu	C	11/30/2000	N001	18.8		L	#	-	-
	C	04/04/2001	N001	10.3		L	#	-	-
	C	06/06/2001	N001	13.7		F	#	-	-
	C	08/23/2001	N001	8.4		L	#	-	-
Thallium	mg/L	11/30/2000	0001	0.0001	U	L	#	0.0001	-
	mg/L	04/04/2001	0001	0.00032	B	UL	#	0.0001	-
	mg/L	06/06/2001	0001	0.00024	BE	UJF	#	-	-
	mg/L	08/23/2001	0001	0.0001	U	L	#	0.0001	-
Thorium-230	pCi/L	11/30/2000	0001	1.7	U	L	#	1.72	-
	pCi/L	04/04/2001	0001	0.92	U	L	#	0.92	-
	pCi/L	06/06/2001	0001	1.5	U	F	#	1.48	-
	pCi/L	08/23/2001	0001	1.5	U	L	#	1.48	-

GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS  
LOCATION: 0902  
REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Total Dissolved Solids	mg/L	11/30/2000	0001	4340		L	#	10	-
	mg/L	04/04/2001	0001	5040		L	#	10	-
	mg/L	06/06/2001	0001	5050		F	#	10	-
	mg/L	08/23/2001	0001	5950		L	#	10	-
Turbidity	NTU	11/30/2000	N001	317		L	#	-	-
	NTU	04/04/2001	N001	8.55		L	#	-	-
	NTU	06/06/2001	N001	318		F	#	-	-
	NTU	08/23/2001	N001	40.3		L	#	-	-
Uranium	mg/L	11/30/2000	0001	0.0014		L	#	0.0001	-
	mg/L	04/04/2001	0001	0.002		L	#	0.0001	-
	mg/L	06/06/2001	0001	0.0019		F	#	0.0001	-
	mg/L	08/23/2001	0001	0.00028	B	L	#	0.0001	-
Uranium-234	pCi/L	04/04/2001	0001	0.77	B	L	#	0.4	-
Uranium-238	pCi/L	04/04/2001	0001	0.88	B	L	#	0.1	-
Vanadium	mg/L	11/30/2000	0001	0.0015	U	L	#	0.0015	-
	mg/L	04/04/2001	0001	0.0004	U	L	#	0.0004	-
	mg/L	06/06/2001	0001	0.00046	B	F	#	0.0003	-
	mg/L	08/23/2001	0001	0.0003	U	L	#	0.0003	-
Zinc	mg/L	11/30/2000	0001	0.010	U	L	#	0.0102	-
	mg/L	04/04/2001	0001	0.345		L	#	0.0095	-
	mg/L	06/06/2001	0001	0.0324	B	F	#	0.0073	-
	mg/L	08/23/2001	0001	0.0148	B	L	#	0.0073	-

## GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS

LOCATION: 0902

REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		

RECORDS: SELECTED FROM USEE100 WHERE site\_code='DUR02' AND (NOT (data\_validation\_qualifiers LIKE "R" OR data\_validation\_qualifiers LIKE "X" ) OR IsNull(data\_validation\_qualifiers)) AND DATE\_SAMPLED <= #8/31/2001#

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

## LAB QUALIFIERS:

- \* Replicate analysis not within control limits.
- + Correlation coefficient for MSA < 0.995.
- A TIC is a suspected aldol-condensation product.
- B Inorganic: Result is between the IDL and CRDL. Organic: Analyte also found in method blank.
- E Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
- Z Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- H Holding time expired, value suspect.
- I Increased detection limit due to required dilution.
- C Pesticide result confirmed by GC-MS.
- M GFAA duplicate injection precision not met.
- N Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC).
- S Result determined by method of standard addition (MSA).
- U Analytical result below detection limit.
- W Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
- D Analyte determined in diluted sample.
- P > 25% difference in detected pesticide or Arochlor concentrations between 2 columns.
- X Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- Y Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- > Result above upper detection limit.
- J Estimated

## DATA QUALIFIERS:

- |   |  |   |  |
|---|--|---|--|
| J | Estimated value.                             | F | Low flow sampling method used.                     |
| G | Possible grout contamination, pH > 9.        | L | Less than 3 bore volumes purged prior to sampling. |
| R | Unusable result.                             | X | Location is undefined.                             |
| U | Parameter analyzed for but was not detected. |   |  |

QA QUALIFIER: # = validated according to Quality Assurance guidelines.

GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS  
LOCATION: 0903  
REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE: DATE	ID	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
Alkalinity as CaCO3	mg/L	11/29/2000	0001	446	L	#	-
	mg/L	11/29/2000	N001	474	L	#	-
	mg/L	04/03/2001	0001	530	L	#	-
	mg/L	04/03/2001	N001	531	L	#	-
	mg/L	06/05/2001	0001	387	L	#	-
	mg/L	06/05/2001	N001	404	L	#	-
	mg/L	06/28/2001	0001	469		#	-
	mg/L	06/28/2001	N001	441		#	-
	mg/L	08/23/2001	0001	434		#	-
	mg/L	08/23/2001	N001	479		#	-
Ammonium	mg/L	11/29/2000	0001	0.650	L	#	0.0047
	mg/L	04/03/2001	0001	0.0356	B L	#	0.0062
	mg/L	06/05/2001	0001	0.241	L	#	0.0062
	mg/L	06/28/2001	0001	0.525		#	0.0062
	mg/L	08/23/2001	0001	0.371		#	0.0062
Antimony	mg/L	11/29/2000	0001	0.0012	B UL	#	0.0003
	mg/L	04/03/2001	0001	0.0011	B UL	#	0.0003
	mg/L	06/05/2001	0001	0.0008	U L	#	0.0008
	mg/L	06/28/2001	0001	0.0008	U	#	0.0008
	mg/L	08/23/2001	0001	0.00051	B U	#	0.0002
Arsenic	mg/L	11/29/2000	0001	0.0002	U L	#	0.0002
	mg/L	04/03/2001	0001	0.0005	U L	#	0.0005
	mg/L	06/05/2001	0001	0.0005	U L	#	0.0005
	mg/L	06/28/2001	0001	0.0005	U	#	0.0005
	mg/L	08/23/2001	0001	0.0005	U	#	0.0005
Cadmium	mg/L	11/29/2000	0001	0.0002	U L	#	0.0002
	mg/L	04/03/2001	0001	0.00037	B UL	#	0.0002
	mg/L	06/05/2001	0001	0.0004	U L	#	0.0004
	mg/L	06/28/2001	0001	0.0004	U	#	0.0004
	mg/L	08/23/2001	0001	0.00071	B U	#	0.0003
Calcium	mg/L	11/29/2000	0001	177.000	L	#	0.032
	mg/L	04/03/2001	0001	242.000	L	#	0.0642
	mg/L	06/05/2001	0001	230.000	L	#	0.0814
	mg/L	06/28/2001	0001	200.000		#	0.0814
	mg/L	08/23/2001	0001	186.000		#	0.0814

GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS  
LOCATION: 0903  
REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE: DATE	ID	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
Chloride	mg/L	11/29/2000	0001	42.800		L #	0.096 -
	mg/L	04/03/2001	0001	83.600		L #	0.0298 -
	mg/L	06/05/2001	0001	68.200		L #	0.0298 -
	mg/L	06/28/2001	0001	47.100		#	0.0298 -
	mg/L	08/23/2001	0001	47.300		#	0.0298 -
Chromium	mg/L	11/29/2000	0001	0.0059	U	L #	0.0059 -
	mg/L	04/03/2001	0001	0.0008	U	L #	0.0008 -
	mg/L	06/05/2001	0001	0.0008	U	L #	0.0008 -
	mg/L	06/28/2001	0001	0.0008	U	#	0.0008 -
	mg/L	08/23/2001	0001	0.0008	U	#	0.0008 -
Copper	mg/L	11/29/2000	0001	0.0069	B	L #	0.0025 -
	mg/L	04/03/2001	0001	0.0034	U	L #	0.0034 -
	mg/L	06/05/2001	0001	0.0018	B	L #	0.0003 -
	mg/L	06/28/2001	0001	0.0003	U	#	0.0003 -
	mg/L	08/23/2001	0001	0.0004	B	U #	0.0003 -
Gross Alpha	pCi/L	11/29/2000	0001	15.38	U	JL #	15.38 ± 9.68
	pCi/L	04/03/2001	0001	20.68	U	JL #	20.68 ± 10.7
	pCi/L	06/05/2001	0001	20.29	U	L #	20.29 ± 11.1
	pCi/L	06/28/2001	0001	17.36	U	#	17.36 ± 8.67
	pCi/L	08/23/2001	0001	19.07	U	J #	19.07 ± 9.36
Gross Beta	pCi/L	11/29/2000	0001	14.78	U	L #	14.78 ± 8.98
	pCi/L	04/03/2001	0001	19.93	U	L #	19.93 ± 12.0
	pCi/L	06/05/2001	0001	19.76	U	L #	19.76 ± 11.6
	pCi/L	06/28/2001	0001	16.9	U	#	16.9 ± 10.2
	pCi/L	08/23/2001	0001	19.74	U	#	19.74 ± 11.3
Iron	mg/L	11/29/2000	0001	0.124		UL #	0.011 -
	mg/L	04/03/2001	0001	0.0953		L #	0.001 -
	mg/L	06/05/2001	0001	0.166		L #	0.0008 -
	mg/L	06/28/2001	0001	0.0149	B	#	0.0008 -
	mg/L	08/23/2001	0001	0.0331		U #	0.0008 -
Lead	mg/L	11/29/2000	0001	0.0001	U	L #	0.0001 -
	mg/L	04/03/2001	0001	0.00048	B	UL #	0.0001 -
	mg/L	06/05/2001	0001	0.00032	B	UL #	0.0001 -
	mg/L	06/28/2001	0001	0.0001	U	#	0.0001 -
	mg/L	08/23/2001	0001	0.0001	U	#	0.0001 -



## GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS

LOCATION: 0903

REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Lead-210	pCi/L	11/29/2000	0001	1.34	U	L	#	1.34	± 0.77
	pCi/L	04/03/2001	0001	1.24	U	L	#	1.24	± 0.70
	pCi/L	06/05/2001	0001	1.29	U	L	#	1.29	± 0.73
	pCi/L	06/28/2001	0001	1.06	U		#	1.06	± 0.63
	pCi/L	08/23/2001	0001	1.4	U		#	1.4	± 0.82
Magnesium	mg/L	11/29/2000	0001	142.000		L	#	0.0471	-
	mg/L	04/03/2001	0001	216.000		L	#	0.0031	-
	mg/L	06/05/2001	0001	209.000		L	#	0.0034	-
	mg/L	06/28/2001	0001	158.000			#	0.0034	-
	mg/L	08/23/2001	0001	147.000			#	0.0034	-
Manganese	mg/L	11/29/2000	0001	0.580		L	#	0.003	-
	mg/L	04/03/2001	0001	0.189		L	#	0.0001	-
	mg/L	06/05/2001	0001	0.164		L	#	0.0001	-
	mg/L	06/28/2001	0001	0.299			#	0.0001	-
	mg/L	08/23/2001	0001	0.201			#	0.0001	-
Molybdenum	mg/L	11/29/2000	0001	0.0035	B	L	#	0.0003	-
	mg/L	04/03/2001	0001	0.0033	B	L	#	0.0004	-
	mg/L	06/05/2001	0001	0.003	U	L	#	0.003	-
	mg/L	06/28/2001	0001	0.003	U		#	0.003	-
	mg/L	08/23/2001	0001	0.003	U		#	0.003	-
Nitrate as NO3	mg/L	11/29/2000	0001	0.132	B	L	#	0.0314	-
	mg/L	04/03/2001	0001	4.990		L	#	0.0171	-
	mg/L	06/05/2001	0001	2.950		L	#	0.0171	-
	mg/L	06/28/2001	0001	0.914	B		#	0.0171	-
	mg/L	08/23/2001	0001	1.030			#	0.0305	-
ORP of Zobell Solution	mV	11/29/2000	N001	232		L	#	-	-
	mV	04/03/2001	N001	228		L	#	-	-
	mV	06/05/2001	N001	234		L	#	-	-
	mV	06/28/2001	N001	226			#	-	-
	mV	08/23/2001	N001	236			#	-	-
Oxidation Reduction Potent	mV	11/29/2000	N001	83		L	#	-	-
	mV	04/03/2001	N001	68		L	#	-	-
	mV	06/05/2001	N001	42		L	#	-	-
	mV	06/28/2001	N001	3			#	-	-

GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS  
LOCATION: 0903  
REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:		DETECTION	UN-
		DATE	ID		LAB	DATA QA	LIMIT	CERTAINTY
Oxidation Reduction Potent	mV	08/23/2001	N001	-49			# -	-
pH	s.u.	11/29/2000	N001	6.86		L #	-	-
	s.u.	04/03/2001	N001	7.16		L #	-	-
	s.u.	06/05/2001	N001	6.81		L #	-	-
	s.u.	06/28/2001	N001	6.61		#	-	-
	s.u.	08/23/2001	N001	6.72		#	-	-
Polonium-210	pCi/L	11/29/2000	0001	0.04	UB	L #	0.04	± 0.05
	pCi/L	04/03/2001	0001	0.09	UB	L #	0.09	± 0.04
	pCi/L	06/05/2001	0001	0.32	U	L #	0.32	± 0.14
	pCi/L	06/28/2001	0001	0.06	U	#	0.06	± 0.04
	pCi/L	08/23/2001	0001	0.06	U	#	0.06	± 0.04
Potassium	mg/L	11/29/2000	0001	7.950		L #	0.0359	-
	mg/L	04/03/2001	0001	8.850		L #	0.0091	-
	mg/L	06/05/2001	0001	8.390		L #	0.0088	-
	mg/L	06/28/2001	0001	7.310		#	0.0088	-
	mg/L	08/23/2001	0001	6.670		#	0.0088	-
Radium-226	pCi/L	11/29/2000	0001	0.61		L #	0.17	± 0.14
	pCi/L	04/03/2001	0001	0.23		L #	0.12	± 0.09
	pCi/L	06/05/2001	0001	0.33		L #	0.1	± 0.09
	pCi/L	06/28/2001	0001	0.21		#	0.07	± 0.06
	pCi/L	08/23/2001	0001	0.22		#	0.11	± 0.08
Radium-228	pCi/L	11/29/2000	0001	0.81	U	L #	0.81	± 0.49
	pCi/L	04/03/2001	0001	0.85	U	L #	0.85	± 0.51
	pCi/L	06/05/2001	0001	0.97	U	L #	0.97	± 0.57
	pCi/L	06/28/2001	0001	0.7	U	#	0.7	± 0.42
	pCi/L	08/23/2001	0001	0.77	U	#	0.77	± 0.46
Selenium	mg/L	11/29/2000	0001	0.00018	B	L #	0.0001	-
	mg/L	04/03/2001	0001	0.0077		L #	0.0003	-
	mg/L	06/05/2001	0001	0.0025	B	L #	0.0003	-
	mg/L	06/28/2001	0001	0.00072	B	#	0.0003	-
	mg/L	08/23/2001	0001	0.0003	U	#	0.0003	-
Sodium	mg/L	11/29/2000	0001	186.000		L #	0.525	-
	mg/L	04/03/2001	0001	215.000		L #	0.0052	-
	mg/L	06/05/2001	0001	214.000		L #	0.0085	-

GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS  
LOCATION: 0903  
REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE: DATE	ID	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
Sodium	mg/L	06/28/2001	0001	215.000		# 0.0085	-
	mg/L	08/23/2001	0001	196.000		# 0.0085	-
Specific Conductance	umhos/cm	11/29/2000	N001	2280	L	# -	-
	umhos/cm	04/03/2001	N001	3020	L	# -	-
	umhos/cm	06/05/2001	N001	2910	L	# -	-
	umhos/cm	06/28/2001	N001	2560		# -	-
	umhos/cm	08/23/2001	N001	2510		# -	-
Sulfate	mg/L	11/29/2000	0001	892.000	L	# 0.2356	-
	mg/L	04/03/2001	0001	1330.000	L	# 0.0506	-
	mg/L	06/05/2001	0001	1190.000	L	# 0.0506	-
	mg/L	06/28/2001	0001	1050.000		# 0.0506	-
	mg/L	08/23/2001	0001	1010.000		# 0.0506	-
Temperature	C	11/29/2000	N001	9.5	L	# -	-
	C	04/03/2001	N001	17.6	L	# -	-
	C	06/05/2001	N001	16.7	L	# -	-
	C	06/28/2001	N001	17.8		# -	-
	C	08/23/2001	N001	13		# -	-
Temperature of Zobell Solu	C	11/29/2000	N001	7.7	L	# -	-
	C	04/03/2001	N001	9	L	# -	-
	C	06/05/2001	N001	13.3	L	# -	-
	C	06/28/2001	N001	16.6		# -	-
	C	08/23/2001	N001	11.8		# -	-
Thallium	mg/L	11/29/2000	0001	0.0001	U L	# 0.0001	-
	mg/L	04/03/2001	0001	0.00035	B UL	# 0.0001	-
	mg/L	06/05/2001	0001	0.0002	BE UJL	# -	-
	mg/L	06/28/2001	0001	0.0001	U	# -	-
	mg/L	08/23/2001	0001	0.0001	U	# 0.0001	-
Thorium-230	pCi/L	11/29/2000	0001	1.7	U L	# 1.72	-
	pCi/L	04/03/2001	0001	0.92	U L	# 0.92	-
	pCi/L	06/05/2001	0001	1.5	U L	# 1.48	-
	pCi/L	06/28/2001	0001	1.5	U	# 1.48	-
	pCi/L	08/23/2001	0001	1.5	U	# 1.48	-
Total Dissolved Solids	mg/L	11/29/2000	0001	1940	L	# 10	-
	mg/L	04/03/2001	0001	2740	L	# 10	-

## GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS

LOCATION: 0903

REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Total Dissolved Solids	mg/L	06/05/2001	0001	2410		L	#	10	-
	mg/L	06/28/2001	0001	2120			#	10	-
	mg/L	08/23/2001	0001	2060			#	10	-
Turbidity	NTU	11/29/2000	N001	384		L	#	-	-
	NTU	04/03/2001	N001	489		L	#	-	-
	NTU	06/05/2001	N001	127		L	#	-	-
	NTU	06/28/2001	N001	1000	>		#	-	-
	NTU	08/23/2001	N001	381			#	-	-
Uranium	mg/L	11/29/2000	0001	0.0093		L	#	0.0001	-
	mg/L	04/03/2001	0001	0.0052		L	#	0.0001	-
	mg/L	06/05/2001	0001	0.0035		L	#	0.0001	-
	mg/L	06/28/2001	0001	0.0013			#	0.0001	-
	mg/L	08/23/2001	0001	0.0014			#	0.0001	-
Uranium-234	pCi/L	04/03/2001	0001	4.1		L	#	0.4	-
Uranium-238	pCi/L	04/03/2001	0001	2.1		L	#	0.1	-
Vanadium	mg/L	11/29/2000	0001	0.0015	U	L	#	0.0015	-
	mg/L	04/03/2001	0001	0.00046	B	L	#	0.0004	-
	mg/L	06/05/2001	0001	0.0003	U	L	#	0.0003	-
	mg/L	06/28/2001	0001	0.0003	U		#	0.0003	-
	mg/L	08/23/2001	0001	0.0005	B	U	#	0.0003	-
Zinc	mg/L	11/29/2000	0001	0.126		L	#	0.0102	-
	mg/L	04/03/2001	0001	0.230		L	#	0.0095	-
	mg/L	06/05/2001	0001	0.028	B	L	#	0.0073	-
	mg/L	06/28/2001	0001	0.0179	B		#	0.0073	-
	mg/L	08/23/2001	0001	0.0138	B		#	0.0073	-

## GROUND WATER QUALITY DATA BY LOCATION (USEE100) FOR SITE DUR02, DURANGO RAFFINATE PONDS

LOCATION: 0903

REPORT DATE: 12/10/2001 4:25 pm

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		

RECORDS: SELECTED FROM USEE100 WHERE site\_code='DUR02' AND (NOT (data\_validation\_qualifiers LIKE "R" OR data\_validation\_qualifiers LIKE "X" ) OR IsNull(data\_validation\_qualifiers)) AND DATE\_SAMPLED <= #8/31/2001#

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

## LAB QUALIFIERS:

- \* Replicate analysis not within control limits.
- + Correlation coefficient for MSA < 0.995.
- A TIC is a suspected aldol-condensation product.
- B Inorganic: Result is between the IDL and CRDL. Organic: Analyte also found in method blank.
- E Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
- Z Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- H Holding time expired, value suspect.
- I Increased detection limit due to required dilution.
- C Pesticide result confirmed by GC-MS.
- M GFAA duplicate injection precision not met.
- N Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC).
- S Result determined by method of standard addition (MSA).
- U Analytical result below detection limit.
- W Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
- D Analyte determined in diluted sample.
- P > 25% difference in detected pesticide or Arochlor concentrations between 2 columns.
- X Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- Y Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- > Result above upper detection limit.
- J Estimated

## DATA QUALIFIERS:

- |   |  |   |  |
|---|--|---|--|
| J | Estimated value.                             | F | Low flow sampling method used.                     |
| G | Possible grout contamination, pH > 9.        | L | Less than 3 bore volumes purged prior to sampling. |
| R | Unusable result.                             | X | Location is undefined.                             |
| U | Parameter analyzed for but was not detected. |   |  |

QA QUALIFIER: # = validated according to Quality Assurance guidelines.

**Table E-1. Mill Tailings Area (DUR01) Surface Water**

SURFACE WATER QUALITY DATA BY LOCATION (USEE102) FOR SITE DUR01, DURANGO MILL TAILINGS

LOCATION: 0506

REPORT DATE: 12/13/2001 10:59 am

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Alkalinity as CaCO3	mg/L	07/01/1983	N001	124.00			#	-	-
	mg/L	08/15/1983	N001	146.00			#	-	-
	mg/L	11/01/1983	N001	211.00			#	-	-
	mg/L	04/05/2001	0001	114			#	-	-
	mg/L	04/05/2001	N001	123			#	-	-
	mg/L	06/07/2001	0001	136			#	-	-
	mg/L	06/07/2001	N001	158			#	-	-
	mg/L	08/28/2001	0001	210			#	-	-
	mg/L	08/28/2001	N001	209			#	-	-
Ammonium	mg/L	04/05/2001	0001	0.0062	U		#	0.0062	-
	mg/L	05/02/2001	0001	0.0168	B		#	0.0062	-
	mg/L	06/07/2001	0001	0.0062	U		#	0.0062	-
	mg/L	06/28/2001	0001	0.0079	B		#	0.0062	-
	mg/L	08/28/2001	0001	0.0062	U		#	0.0062	-
	mg/L	08/28/2001	N001	0.0062	U		#	0.0062	-
Antimony	mg/L	04/05/2001	0001	0.0013	B	U	#	0.0003	-
	mg/L	05/02/2001	0001	0.00058	B	U	#	0.0003	-
	mg/L	06/07/2001	0001	0.0008	U		#	0.0008	-
	mg/L	06/28/2001	0001	0.0008	U		#	0.0008	-
	mg/L	08/28/2001	0001	0.00041	B	U	#	0.0002	-
	mg/L	08/28/2001	N001	0.00082	B	U	#	0.00022	-
Arsenic	mg/L	07/01/1983	0001	0.01	U		#	0.01	-
	mg/L	08/15/1983	0001	0.01	U		#	0.01	-
	mg/L	11/01/1983	0001	0.01	U		#	0.01	-
	mg/L	04/05/2001	0001	0.0005	U		#	0.0005	-
	mg/L	05/02/2001	0001	0.0005	U		#	0.0005	-
	mg/L	06/07/2001	0001	0.0005	U		#	0.0005	-
	mg/L	06/28/2001	0001	0.0005	U		#	0.0005	-
	mg/L	08/28/2001	0001	0.0005	U		#	0.0005	-
	mg/L	08/28/2001	N001	0.00077	B		#	0.00056	-
Cadmium	mg/L	04/05/2001	0001	0.0002	U		#	0.0002	-
	mg/L	05/02/2001	0001	0.00037	B	U	#	0.0002	-
	mg/L	06/07/2001	0001	0.0004	U		#	0.0004	-
	mg/L	06/28/2001	0001	0.0004	U		#	0.0004	-
	mg/L	08/28/2001	0001	0.00075	B	U	#	0.0003	-

SURFACE WATER QUALITY DATA BY LOCATION (USEE102) FOR SITE DUR01, DURANGO MILL TAILINGS  
LOCATION: 0506  
REPORT DATE: 12/13/2001 10:59 am

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Cadmium	mg/L	08/28/2001	N001	0.00033	U		#	0.00033	-
Calcium	mg/L	07/01/1983	0001	45.00			#	-	-
	mg/L	08/15/1983	0001	50.00			#	-	-
	mg/L	11/01/1983	0001	88.00			#	-	-
	mg/L	04/05/2001	0001	43.000			#	0.0642	-
	mg/L	05/02/2001	0001	34.000			#	0.0642	-
	mg/L	06/07/2001	0001	50.600			#	0.0814	-
	mg/L	06/28/2001	0001	74.400			#	0.0814	-
	mg/L	08/28/2001	0001	71.600			#	0.0814	-
	mg/L	08/28/2001	N001	78.000			#	0.09044	-
Chloride	mg/L	07/01/1983	0001	1.00			#	-	-
	mg/L	08/15/1983	0001	1.00			#	-	-
	mg/L	11/01/1983	0001	2.00			#	-	-
	mg/L	04/05/2001	0001	4.480			#	0.0149	-
	mg/L	05/02/2001	0001	1.440			#	0.0149	-
	mg/L	06/07/2001	0001	3.260			#	0.0149	-
	mg/L	06/28/2001	0001	6.550			#	0.0149	-
	mg/L	08/28/2001	0001	9.170			#	0.0149	-
	mg/L	08/28/2001	N001	9.270			#	0.0149	-
Chromium	mg/L	07/01/1983	0001	0.01	U		#	0.01	-
	mg/L	08/15/1983	0001	0.01	U		#	0.01	-
	mg/L	11/01/1983	0001	0.01	U		#	0.01	-
	mg/L	04/05/2001	0001	0.0008	U		#	0.0008	-
	mg/L	05/02/2001	0001	0.0008	U		#	0.0008	-
	mg/L	06/07/2001	0001	0.0008	U		#	0.0008	-
	mg/L	06/28/2001	0001	0.0008	U		#	0.0008	-
	mg/L	08/28/2001	0001	0.0008	U		#	0.0008	-
	mg/L	08/28/2001	N001	0.0011	B		#	0.00089	-
Cobalt	mg/L	07/01/1983	0001	0.01	U		#	0.01	-
	mg/L	08/15/1983	0001	0.01	U		#	0.01	-
	mg/L	11/01/1983	0001	0.01	U		#	0.01	-
Copper	mg/L	07/01/1983	0001	0.02			#	-	-
	mg/L	08/15/1983	0001	0.01	U		#	0.01	-
	mg/L	11/01/1983	0001	0.01	U		#	0.01	-
	mg/L	04/05/2001	0001	0.0034	U		#	0.0034	-



SURFACE WATER QUALITY DATA BY LOCATION (USEE102) FOR SITE DUR01, DURANGO MILL TAILINGS  
LOCATION: 0506  
REPORT DATE: 12/13/2001 10:59 am

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Copper	mg/L	05/02/2001	0001	0.0034	U		#	0.0034	-
	mg/L	06/07/2001	0001	0.0003	U		#	0.0003	-
	mg/L	06/28/2001	0001	0.0003	U		#	0.0003	-
	mg/L	08/28/2001	0001	0.0011	B	U	#	0.0003	-
	mg/L	08/28/2001	N001	0.0011	B	U	#	0.00033	-
Gross Alpha	pCi/L	04/05/2001	0001	4.13	U	J	#	4.13	± 1.97
	pCi/L	05/02/2001	0001	2.81	U		#	2.81	± 1.48
	pCi/L	06/07/2001	0001	3.39	U		#	3.39	± 1.75
	pCi/L	06/28/2001	0001	3.94	U		#	3.94	± 1.94
	pCi/L	08/28/2001	0001	4.18	U		#	4.18	± 2.46
	pCi/L	08/28/2001	N001	4.11	U		#	4.11	± 2.18
Gross Beta	pCi/L	04/05/2001	0001	5.82	U		#	5.82	± 3.34
	pCi/L	05/02/2001	0001	3.89	U		#	3.89	± 2.29
	pCi/L	06/07/2001	0001	3.9	U		#	3.9	± 2.18
	pCi/L	06/28/2001	0001	3.94	U		#	3.94	± 2.31
	pCi/L	08/28/2001	0001	3.99	U		#	3.99	± 2.35
	pCi/L	08/28/2001	N001	3.97	U		#	3.97	± 2.30
Iron	mg/L	07/01/1983	0001	0.10			#	-	-
	mg/L	08/15/1983	0001	0.20	U		#	0.2	-
	mg/L	11/01/1983	0001	0.07			#	-	-
	mg/L	04/05/2001	0001	0.0338			#	0.001	-
	mg/L	05/02/2001	0001	0.0166	B		#	0.001	-
	mg/L	06/07/2001	0001	0.0039	B	U	#	0.0008	-
	mg/L	06/28/2001	0001	0.006	B	U	#	0.0008	-
	mg/L	08/28/2001	0001	0.0109	B	U	#	0.0008	-
	mg/L	08/28/2001	N001	1.030	*	J	#	0.00089	-
Lead	mg/L	07/01/1983	0001	0.01	U		#	0.01	-
	mg/L	08/15/1983	0001	0.01	U		#	0.01	-
	mg/L	11/01/1983	0001	0.01	U		#	0.01	-
	mg/L	04/05/2001	0001	0.00027	B	U	#	0.0001	-
	mg/L	05/02/2001	0001	0.0001	U		#	0.0001	-
	mg/L	06/07/2001	0001	0.00027	B	U	#	0.0001	-
	mg/L	06/28/2001	0001	0.0001	U		#	0.0001	-
	mg/L	08/28/2001	0001	0.0001	U		#	0.0001	-
	mg/L	08/28/2001	N001	0.0011	B	U	#	0.00011	-

SURFACE WATER QUALITY DATA BY LOCATION (USEE102) FOR SITE DUR01, DURANGO MILL TAILINGS

LOCATION: 0506

REPORT DATE: 12/13/2001 10:59 am

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Lead-210	pCi/L	04/05/2001	0001	1.25	U		#	1.25	± 0.72
	pCi/L	05/02/2001	0001	0.94	U		#	0.94	± 0.55
	pCi/L	06/07/2001	0001	1.16	U		#	1.16	± 0.66
	pCi/L	06/28/2001	0001	1.14	U		#	1.14	± 0.68
	pCi/L	08/28/2001	0001	1.32	U		#	1.32	± 0.77
	pCi/L	08/28/2001	N001	1.5	U		#	1.5	± 0.85
Magnesium	mg/L	07/01/1983	0001	17.00			#	-	-
	mg/L	08/15/1983	0001	17.00			#	-	-
	mg/L	11/01/1983	0001	32.00			#	-	-
	mg/L	04/05/2001	0001	15.300			#	0.0031	-
	mg/L	05/02/2001	0001	7.660			#	0.0031	-
	mg/L	06/07/2001	0001	14.700			#	0.0034	-
	mg/L	06/28/2001	0001	24.600			#	0.0034	-
	mg/L	08/28/2001	0001	29.100			#	0.0034	-
	mg/L	08/28/2001	N001	30.300			#	0.00378	-
Manganese	mg/L	04/05/2001	0001	0.0048	B		#	0.0001	-
	mg/L	05/02/2001	0001	0.0038	B		#	0.0001	-
	mg/L	06/07/2001	0001	0.0041	B		#	0.0001	-
	mg/L	06/28/2001	0001	0.0049	B		#	0.0001	-
	mg/L	08/28/2001	0001	0.0048	B		#	0.0001	-
	mg/L	08/28/2001	N001	0.0135			#	0.00011	-
Molybdenum	mg/L	07/01/1983	0001	0.02	U		#	0.02	-
	mg/L	08/15/1983	0001	0.01	U		#	0.01	-
	mg/L	11/01/1983	0001	0.05	U		#	0.05	-
	mg/L	04/05/2001	0001	0.0018	B	U	#	0.0004	-
	mg/L	05/02/2001	0001	0.0004	U		#	0.0004	-
	mg/L	06/07/2001	0001	0.003	U		#	0.003	-
	mg/L	06/28/2001	0001	0.003	U		#	0.003	-
	mg/L	08/28/2001	0001	0.003	U		#	0.003	-
	mg/L	08/28/2001	N001	0.0033	U		#	0.00333	-
Nickel	mg/L	07/01/1983	0001	0.05	U		#	0.05	-
	mg/L	08/15/1983	0001	0.05	U		#	0.05	-
	mg/L	11/01/1983	0001	0.05	U		#	0.05	-
Nitrate as NO3	mg/L	07/01/1983	0001	15.00	U		#	15	-
	mg/L	08/15/1983	0001	5.00	U		#	5	-

SURFACE WATER QUALITY DATA BY LOCATION (USEE102) FOR SITE DUR01, DURANGO MILL TAILINGS

LOCATION: 0506

REPORT DATE: 12/13/2001 10:59 am

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Nitrate as NO3	mg/L	11/01/1983	0001	5.00	U		#	5	-
	mg/L	04/05/2001	0001	1.310			#	0.0171	-
	mg/L	05/02/2001	0001	1.160			#	0.0171	-
	mg/L	06/07/2001	0001	0.780	B		#	0.0171	-
	mg/L	06/28/2001	0001	0.981	B		#	0.0171	-
	mg/L	08/28/2001	0001	0.670	B		#	0.0305	-
	mg/L	08/28/2001	N001	0.652	B		#	0.0305	-
ORP of Zobell Solution	mV	05/02/2001	N001	214			#	-	-
	mV	06/07/2001	N001	236			#	-	-
	mV	06/28/2001	N001	224			#	-	-
	mV	08/28/2001	N001	225			#	-	-
Oxidation Reduction Potent	mV	11/01/1983	N001	160.00			#	-	-
	mV	04/05/2001	N001	74			#	-	-
	mV	05/02/2001	N001	144			#	-	-
	mV	06/07/2001	N001	111			#	-	-
	mV	06/28/2001	N001	-23			#	-	-
	mV	08/28/2001	N001	100			#	-	-
pH	s.u.	07/01/1983	N001	8.20			#	-	-
	s.u.	08/15/1983	N001	7.90			#	-	-
	s.u.	11/01/1983	N001	8.20			#	-	-
	s.u.	04/05/2001	N001	8.23			#	-	-
	s.u.	05/02/2001	N001	8.25			#	-	-
	s.u.	06/07/2001	N001	8.53			#	-	-
	s.u.	06/28/2001	N001	8.2			#	-	-
	s.u.	08/28/2001	N001	8			#	-	-
Polonium-210	pCi/L	04/05/2001	0001	0.07	U		#	0.07	± 0.04
	pCi/L	05/02/2001	0001	0.07	U		#	0.07	± 0.04
	pCi/L	06/07/2001	0001	0.12	U		#	0.12	± 0.04
	pCi/L	06/28/2001	0001	0.11	U		#	0.11	± 0.06
	pCi/L	08/28/2001	0001	0.08	U		#	0.08	± 0.04
	pCi/L	08/28/2001	N001	0.11			#	0.09	± 0.05
Potassium	mg/L	07/01/1983	0001	1.70			#	-	-
	mg/L	08/15/1983	0001	1.10			#	-	-
	mg/L	11/01/1983	0001	2.60			#	-	-
	mg/L	04/05/2001	0001	1.730			#	0.0091	-

SURFACE WATER QUALITY DATA BY LOCATION (USEE102) FOR SITE DUR01, DURANGO MILL TAILINGS

LOCATION: 0506

REPORT DATE: 12/13/2001 10:59 am

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Potassium	mg/L	05/02/2001	0001	0.985			#	0.0091	-
	mg/L	06/07/2001	0001	1.160			#	0.0088	-
	mg/L	06/28/2001	0001	1.640			#	0.0088	-
	mg/L	08/28/2001	0001	2.130			#	0.0088	-
	mg/L	08/28/2001	N001	2.470			#	0.00978	-
Radium-226	pCi/L	11/01/1983	0001	2.00	U		#	2	± 0.00
	pCi/L	04/05/2001	0001	0.13	U		#	0.13	± 0.08
	pCi/L	05/02/2001	0001	0.20	U		#	0.2	± 0.10
	pCi/L	06/07/2001	0001	0.13			#	0.11	± 0.07
	pCi/L	06/28/2001	0001	0.1			#	0.07	± 0.05
	pCi/L	08/28/2001	0001	0.13			#	0.1	± 0.07
	pCi/L	08/28/2001	N001	0.23			#	0.11	± 0.07
Radium-228	pCi/L	04/05/2001	0001	0.93	U		#	0.93	± 0.54
	pCi/L	05/02/2001	0001	1.39	U		#	1.39	± 0.79
	pCi/L	06/07/2001	0001	0.98	U		#	0.98	± 0.57
	pCi/L	06/28/2001	0001	0.71	U		#	0.71	± 0.42
	pCi/L	08/28/2001	0001	0.95	U		#	0.95	± 0.55
	pCi/L	08/28/2001	N001	1	U		#	1	± 0.59
Selenium	mg/L	07/01/1983	0001	0.01	U		#	0.01	-
	mg/L	08/15/1983	0001	0.01	U		#	0.01	-
	mg/L	11/01/1983	0001	0.01	U		#	0.01	-
	mg/L	04/05/2001	0001	0.00054	B	U	#	0.0003	-
	mg/L	05/02/2001	0001	0.00052	B		#	0.0003	-
	mg/L	06/07/2001	0001	0.00045	B		#	0.0003	-
	mg/L	06/28/2001	0001	0.00078	B		#	0.0003	-
	mg/L	08/28/2001	0001	0.0003	U		#	0.0003	-
	mg/L	08/28/2001	N001	0.0004	B		#	0.00033	-
Silicon	mg/L	07/01/1983	0001	3.50			#	-	-
	mg/L	08/15/1983	0001	2.60			#	-	-
	mg/L	11/01/1983	0001	5.00			#	-	-
Sodium	mg/L	07/01/1983	0001	10.00			#	-	-
	mg/L	08/15/1983	0001	10.00			#	-	-
	mg/L	11/01/1983	0001	67.00			#	-	-
	mg/L	04/05/2001	0001	11.300			#	0.0052	-
	mg/L	05/02/2001	0001	3.980			#	0.0052	-

SURFACE WATER QUALITY DATA BY LOCATION (USEE102) FOR SITE DUR01, DURANGO MILL TAILINGS  
LOCATION: 0506  
REPORT DATE: 12/13/2001 10:59 am

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Sodium	mg/L	06/07/2001	0001	8.740			#	0.0085	-
	mg/L	06/28/2001	0001	14.800			#	0.0085	-
	mg/L	08/28/2001	0001	20.500			#	0.0085	-
	mg/L	08/28/2001	N001	19.000			#	0.00944	-
Specific Conductance	umhos/cm	07/01/1983	N001	312.00			#	-	-
	umhos/cm	08/15/1983	N001	351.00			#	-	-
	umhos/cm	11/01/1983	N001	700.00			#	-	-
	umhos/cm	04/05/2001	N001	413			#	-	-
	umhos/cm	05/02/2001	N001	2530			#	-	-
	umhos/cm	06/07/2001	N001	391			#	-	-
	umhos/cm	06/28/2001	N001	505			#	-	-
	umhos/cm	08/28/2001	N001	689			#	-	-
Sulfate	mg/L	07/01/1983	0001	76.00			#	-	-
	mg/L	08/15/1983	0001	75.00			#	-	-
	mg/L	11/01/1983	0001	240.00			#	-	-
	mg/L	04/05/2001	0001	64.400			#	0.0253	-
	mg/L	05/02/2001	0001	23.800			#	0.0253	-
	mg/L	06/07/2001	0001	51.100			#	0.0253	-
	mg/L	06/28/2001	0001	98.100			#	0.0253	-
	mg/L	08/28/2001	0001	145.000			#	0.0253	-
Temperature	mg/L	08/28/2001	N001	146.000			#	0.0253	-
	C	07/01/1983	N001	10.00			#	-	-
	C	08/15/1983	N001	10.00			#	-	-
	C	11/01/1983	N001	17.00			#	-	-
	C	04/05/2001	N001	4.3			#	-	-
	C	05/02/2001	N001	12			#	-	-
	C	06/07/2001	N001	11.1			#	-	-
	C	06/28/2001	N001	17.1			#	-	-
Temperature of Zobell Solu	C	08/28/2001	N001	19.3			#	-	-
	C	04/05/2001	N001	8.5			#	-	-
	C	05/02/2001	N001	20.6			#	-	-
	C	06/07/2001	N001	13.7			#	-	-
	C	06/28/2001	N001	20.8			#	-	-
Thallium	C	08/28/2001	N001	20.6			#	-	-
	mg/L	04/05/2001	0001	0.0001	U		#	0.0001	-

SURFACE WATER QUALITY DATA BY LOCATION (USEE102) FOR SITE DUR01, DURANGO MILL TAILINGS  
LOCATION: 0506  
REPORT DATE: 12/13/2001 10:59 am

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Thallium	mg/L	05/02/2001	0001	0.0001	U		#	0.0001	-
	mg/L	06/07/2001	0001	0.00017	BE	UJ	#	-	-
	mg/L	06/28/2001	0001	0.0001	U		#	-	-
	mg/L	08/28/2001	0001	0.0001	U		#	0.0001	-
	mg/L	08/28/2001	N001	0.00011	U		#	0.00011	-
Thorium-230	pCi/L	04/05/2001	0001	0.92	U		#	0.92	-
	pCi/L	05/02/2001	0001	0.92	U		#	0.92	-
	pCi/L	06/07/2001	0001	1.5	U		#	1.48	-
	pCi/L	06/28/2001	0001	1.5	U		#	1.48	-
	pCi/L	08/28/2001	0001	1.5	U		#	1.48	-
	pCi/L	08/28/2001	N001	12		U	#	1.6444	-
Total Dissolved Solids	mg/L	04/05/2001	0001	265			#	10	-
	mg/L	05/02/2001	0001	165			#	10	-
	mg/L	06/07/2001	0001	272			#	10	-
	mg/L	06/28/2001	0001	350			#	10	-
	mg/L	08/28/2001	0001	430			#	10	-
	mg/L	08/28/2001	N001	418			#	10	-
Turbidity	NTU	06/07/2001	N001	2.67			#	-	-
Uranium	mg/L	07/01/1983	0001	0.001			#	-	-
	mg/L	08/15/1983	0001	0.001			#	-	-
	mg/L	11/01/1983	0001	0.001			#	-	-
	mg/L	04/05/2001	0001	0.001		U	#	0.0001	-
	mg/L	05/02/2001	0001	0.00028	B		#	0.0001	-
	mg/L	06/07/2001	0001	0.00095	B	U	#	0.0001	-
	mg/L	06/28/2001	0001	0.00097	B		#	0.0001	-
	mg/L	08/28/2001	0001	0.0011			#	0.0001	-
	mg/L	08/28/2001	N001	0.0013			#	0.00011	-
Uranium-234	pCi/L	04/05/2001	0001	1.3		UJ	#	0.4	-
	pCi/L	05/02/2001	0001	0.4	U	U	#	0.4	-
Uranium-238	pCi/L	04/05/2001	0001	0.35	B		#	0.1	-
	pCi/L	05/02/2001	0001	0.14	B		#	0.1	-
Vanadium	mg/L	07/01/1983	0001	0.01	U		#	0.01	-
	mg/L	08/15/1983	0001	0.01	U		#	0.01	-
	mg/L	11/01/1983	0001	0.05	U		#	0.05	-
	mg/L	04/05/2001	0001	0.0004	U		#	0.0004	-

SURFACE WATER QUALITY DATA BY LOCATION (USEE102) FOR SITE DUR01, DURANGO MILL TAILINGS  
LOCATION: 0506  
REPORT DATE: 12/13/2001 10:59 am

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Vanadium	mg/L	05/02/2001	0001	0.0008	B		#	0.0004	-
	mg/L	06/07/2001	0001	0.0003	U		#	0.0003	-
	mg/L	06/28/2001	0001	0.00038	B		#	0.0003	-
	mg/L	08/28/2001	0001	0.0003	U		#	0.0003	-
	mg/L	08/28/2001	N001	0.0042	B		#	0.00033	-
Zinc	mg/L	07/01/1983	0001	0.05			#	-	-
	mg/L	08/15/1983	0001	0.05	U		#	0.05	-
	mg/L	11/01/1983	0001	0.05	U		#	0.05	-
	mg/L	04/05/2001	0001	0.012	B		#	0.0095	-
	mg/L	05/02/2001	0001	0.0095	U		#	0.0095	-
	mg/L	06/07/2001	0001	0.0113	B		#	0.0073	-
	mg/L	06/28/2001	0001	0.0073	U		#	0.0073	-
	mg/L	08/28/2001	0001	0.0108	B		#	0.0073	-
	mg/L	08/28/2001	N001	0.0154	B		#	0.00811	-

RECORDS: SELECTED FROM USEE102

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LAB QUALIFIERS:

- \* Replicate analysis not within control limits.
- + Correlation coefficient for MSA < 0.995.
- A TIC is a suspected aldol-condensation product.
- B Inorganic: Result is between the IDL and CRDL. Organic: Analyte also found in method blank.
- E Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
- Z Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- H Holding time expired, value suspect.
- I Increased detection limit due to required dilution.
- C Pesticide result confirmed by GC-MS.
- M GFAA duplicate injection precision not met.
- N Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC).
- S Result determined by method of standard addition (MSA).
- U Analytical result below detection limit.
- W Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
- D Analyte determined in diluted sample.
- P > 25% difference in detected pesticide or Arochlor concentrations between 2 columns.
- X Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- Y Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- > Result above upper detection limit.
- J Estimated

DATA QUALIFIERS:

- J Estimated value.
- G Possible grout contamination, pH > 9.
- R Unusable result.
- U Parameter analyzed for but was not detected.
- F Low flow sampling method used.
- L Less than 3 bore volumes purged prior to sampling.
- X Location is undefined.

QA QUALIFIER: # = validated according to Quality Assurance guidelines.

SURFACE WATER QUALITY DATA BY LOCATION (USEE102) FOR SITE DUR01, DURANGO MILL TAILINGS  
LOCATION: 0511  
REPORT DATE: 12/13/2001 10:59 am

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Alkalinity as CaCO3	mg/L	09/01/1982	N0S1	185.00			#	-	-
	mg/L	07/01/1983	N001	122.00			#	-	-
	mg/L	08/15/1983	N001	139.00			#	-	-
	mg/L	11/01/1983	N001	208.00			#	-	-
Aluminum	mg/L	09/01/1982	00S1	0.10	U		#	0.1	-
Arsenic	mg/L	09/01/1982	00S1	0.01	U		#	0.01	-
	mg/L	07/01/1983	0001	0.01	U		#	0.01	-
	mg/L	08/15/1983	0001	0.01	U		#	0.01	-
	mg/L	11/01/1983	0001	0.01	U		#	0.01	-
Barium	mg/L	09/01/1982	00S1	0.10	U		#	0.1	-
Calcium	mg/L	09/01/1982	00S1	80.00			#	-	-
	mg/L	07/01/1983	0001	44.00			#	-	-
	mg/L	08/15/1983	0001	50.00			#	-	-
	mg/L	11/01/1983	0001	84.00			#	-	-
Chloride	mg/L	09/01/1982	00S1	4.00			#	-	-
	mg/L	07/01/1983	0001	2.00			#	-	-
	mg/L	08/15/1983	0001	1.00			#	-	-
	mg/L	11/01/1983	0001	2.00			#	-	-
Chromium	mg/L	09/01/1982	00S1	0.01	U		#	0.01	-
	mg/L	07/01/1983	0001	0.01	U		#	0.01	-
	mg/L	08/15/1983	0001	0.01	U		#	0.01	-
	mg/L	11/01/1983	0001	0.01	U		#	0.01	-
Cobalt	mg/L	09/01/1982	00S1	0.01	U		#	0.01	-
	mg/L	07/01/1983	0001	0.01	U		#	0.01	-
	mg/L	08/15/1983	0001	0.01	U		#	0.01	-
	mg/L	11/01/1983	0001	0.01	U		#	0.01	-
Copper	mg/L	09/01/1982	00S1	0.033			#	-	-
	mg/L	07/01/1983	0001	0.04			#	-	-
	mg/L	08/15/1983	0001	0.01	U		#	0.01	-
	mg/L	11/01/1983	0001	0.01	U		#	0.01	-
Iron	mg/L	09/01/1982	00S1	0.10	U		#	0.1	-
	mg/L	07/01/1983	0001	0.17			#	-	-
	mg/L	08/15/1983	0001	0.20	U		#	0.2	-
	mg/L	11/01/1983	0001	0.14			#	-	-



SURFACE WATER QUALITY DATA BY LOCATION (USEE102) FOR SITE DUR01, DURANGO MILL TAILINGS  
LOCATION: 0511  
REPORT DATE: 12/13/2001 10:59 am

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Lead	mg/L	09/01/1982	00S1	0.01	U		#	0.01	-
	mg/L	07/01/1983	0001	0.01	U		#	0.01	-
	mg/L	08/15/1983	0001	0.01	U		#	0.01	-
	mg/L	11/01/1983	0001	0.01	U		#	0.01	-
Magnesium	mg/L	09/01/1982	00S1	29.00			#	-	-
	mg/L	07/01/1983	0001	15.00			#	-	-
	mg/L	08/15/1983	0001	16.00			#	-	-
	mg/L	11/01/1983	0001	33.00			#	-	-
Molybdenum	mg/L	09/01/1982	00S1	0.05	U		#	0.05	-
	mg/L	07/01/1983	0001	0.02	U		#	0.02	-
	mg/L	08/15/1983	0001	0.01	U		#	0.01	-
	mg/L	11/01/1983	0001	0.05	U		#	0.05	-
Nickel	mg/L	09/01/1982	00S1	0.05	U		#	0.05	-
	mg/L	07/01/1983	0001	0.05	U		#	0.05	-
	mg/L	08/15/1983	0001	0.05	U		#	0.05	-
	mg/L	11/01/1983	0001	0.05	U		#	0.05	-
Nitrate as NO3	mg/L	09/01/1982	00S1	1.00	U		#	1	-
	mg/L	07/01/1983	0001	15.00	U		#	15	-
	mg/L	08/15/1983	0001	5.00	U		#	5	-
	mg/L	11/01/1983	0001	0.50	U		#	0.5	-
Oxidation Reduction Potent	mV	09/01/1982	N0S1	150.00			#	-	-
	mV	11/01/1983	N001	120.00			#	-	-
pH	s.u.	09/01/1982	N0S1	8.60			#	-	-
	s.u.	07/01/1983	N001	8.40			#	-	-
	s.u.	08/15/1983	N001	7.90			#	-	-
	s.u.	11/01/1983	N001	8.40			#	-	-
Potassium	mg/L	09/01/1982	00S1	2.00			#	-	-
	mg/L	07/01/1983	0001	1.60			#	-	-
	mg/L	08/15/1983	0001	1.10			#	-	-
	mg/L	11/01/1983	0001	2.70			#	-	-
Radium-226	pCi/L	09/01/1982	00S1	2.00	U		#	2	± 0.00
	pCi/L	11/01/1983	0001	2.00	U		#	2	± 0.00
Selenium	mg/L	09/01/1982	00S1	0.01	U		#	0.01	-
	mg/L	07/01/1983	0001	0.01	U		#	0.01	-

SURFACE WATER QUALITY DATA BY LOCATION (USEE102) FOR SITE DUR01, DURANGO MILL TAILINGS  
LOCATION: 0511  
REPORT DATE: 12/13/2001 10:59 am

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Selenium	mg/L	08/15/1983	0001	0.01	U		#	0.01	-
	mg/L	11/01/1983	0001	0.01	U		#	0.01	-
Silicon	mg/L	09/01/1982	00S1	3.00			#	-	-
	mg/L	07/01/1983	0001	3.30			#	-	-
	mg/L	08/15/1983	0001	2.60			#	-	-
	mg/L	11/01/1983	0001	3.20			#	-	-
Sodium	mg/L	09/01/1982	00S1	23.00			#	-	-
	mg/L	07/01/1983	0001	10.00			#	-	-
	mg/L	08/15/1983	0001	9.00			#	-	-
	mg/L	11/01/1983	0001	26.00			#	-	-
Specific Conductance	umhos/cm	09/01/1982	N0S1	500.00			#	-	-
	umhos/cm	07/01/1983	N001	340.00			#	-	-
	umhos/cm	08/15/1983	N001	330.00			#	-	-
	umhos/cm	11/01/1983	N001	670.00			#	-	-
Sulfate	mg/L	09/01/1982	00S1	140.00			#	-	-
	mg/L	07/01/1983	0001	82.00			#	-	-
	mg/L	08/15/1983	0001	77.00			#	-	-
	mg/L	11/01/1983	0001	170.00			#	-	-
Temperature	C	09/01/1982	N0S1	8.00			#	-	-
	C	07/01/1983	N001	7.00			#	-	-
	C	08/15/1983	N001	9.00			#	-	-
	C	11/01/1983	N001	19.00			#	-	-
Uranium	mg/L	09/01/1982	00S1	0.007			#	-	-
	mg/L	07/01/1983	0001	0.001			#	-	-
	mg/L	08/15/1983	0001	0.002			#	-	-
	mg/L	11/01/1983	0001	0.002			#	-	-
Vanadium	mg/L	09/01/1982	00S1	0.05	U		#	0.05	-
	mg/L	07/01/1983	0001	0.01	U		#	0.01	-
	mg/L	08/15/1983	0001	0.01	U		#	0.01	-
	mg/L	11/01/1983	0001	0.05	U		#	0.05	-
Zinc	mg/L	09/01/1982	00S1	0.05	U		#	0.05	-
	mg/L	07/01/1983	0001	0.30			#	-	-
	mg/L	08/15/1983	0001	0.05	U		#	0.05	-
	mg/L	11/01/1983	0001	0.05	U		#	0.05	-

SURFACE WATER QUALITY DATA BY LOCATION (USEE102) FOR SITE DUR01, DURANGO MILL TAILINGS  
LOCATION: 0511  
REPORT DATE: 12/13/2001 10:59 am

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		

RECORDS: SELECTED FROM USEE102

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LAB QUALIFIERS:

- \* Replicate analysis not within control limits.
- + Correlation coefficient for MSA < 0.995.
- A TIC is a suspected aldol-condensation product.
- B Inorganic: Result is between the IDL and CRDL. Organic: Analyte also found in method blank.
- E Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
- Z Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- H Holding time expired, value suspect.
- I Increased detection limit due to required dilution.
- C Pesticide result confirmed by GC-MS.
- M GFAA duplicate injection precision not met.
- N Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC).
- S Result determined by method of standard addition (MSA).
- U Analytical result below detection limit.
- W Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
- D Analyte determined in diluted sample.
- P > 25% difference in detected pesticide or Arochlor concentrations between 2 columns.
- X Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- Y Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- > Result above upper detection limit.
- J Estimated

DATA QUALIFIERS:

- J Estimated value.
- G Possible grout contamination, pH > 9.
- R Unusable result.
- U Parameter analyzed for but was not detected.
- F Low flow sampling method used.
- L Less than 3 bore volumes purged prior to sampling.
- X Location is undefined.

QA QUALIFIER: # = validated according to Quality Assurance guidelines.

SURFACE WATER QUALITY DATA BY LOCATION (USEE102) FOR SITE DUR01, DURANGO MILL TAILINGS  
LOCATION: 0514  
REPORT DATE: 12/13/2001 10:59 am

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Alkalinity as CaCO3	mg/L	09/01/1982	N0S1	105.00			#	-	-
	mg/L	07/01/1983	N001	124.00			#	-	-
	mg/L	08/15/1983	N001	50.00			#	-	-
	mg/L	11/01/1983	N001	98.00			#	-	-
Aluminum	mg/L	09/01/1982	00S1	0.10	U		#	0.1	-
Arsenic	mg/L	09/01/1982	00S1	0.01	U		#	0.01	-
	mg/L	07/01/1983	0001	0.01	U		#	0.01	-
	mg/L	08/15/1983	0001	0.01	U		#	0.01	-
	mg/L	11/01/1983	0001	0.01	U		#	0.01	-
Barium	mg/L	09/01/1982	00S1	0.10	U		#	0.1	-
Calcium	mg/L	09/01/1982	00S1	70.00			#	-	-
	mg/L	07/01/1983	0001	60.00			#	-	-
	mg/L	08/15/1983	0001	22.00			#	-	-
	mg/L	11/01/1983	0001	57.00			#	-	-
Chloride	mg/L	09/01/1982	00S1	15.00			#	-	-
	mg/L	07/01/1983	0001	9.00			#	-	-
	mg/L	08/15/1983	0001	1.00			#	-	-
	mg/L	11/01/1983	0001	11.00			#	-	-
Chromium	mg/L	09/01/1982	00S1	0.01	U		#	0.01	-
	mg/L	07/01/1983	0001	0.01	U		#	0.01	-
	mg/L	08/15/1983	0001	0.01	U		#	0.01	-
	mg/L	11/01/1983	0001	0.01	U		#	0.01	-
Cobalt	mg/L	09/01/1982	00S1	0.01	U		#	0.01	-
	mg/L	07/01/1983	0001	0.01	U		#	0.01	-
	mg/L	08/15/1983	0001	0.01	U		#	0.01	-
	mg/L	11/01/1983	0001	0.01	U		#	0.01	-
Copper	mg/L	09/01/1982	00S1	0.99			#	-	-
	mg/L	07/01/1983	0001	0.01	U		#	0.01	-
	mg/L	08/15/1983	0001	0.02			#	-	-
	mg/L	11/01/1983	0001	0.01	U		#	0.01	-
Iron	mg/L	09/01/1982	00S1	0.10	U		#	0.1	-
	mg/L	07/01/1983	0001	0.05	U		#	0.05	-
	mg/L	08/15/1983	0001	0.20	U		#	0.2	-
	mg/L	11/01/1983	0001	0.05	U		#	0.05	-

SURFACE WATER QUALITY DATA BY LOCATION (USEE102) FOR SITE DUR01, DURANGO MILL TAILINGS

LOCATION: 0514

REPORT DATE: 12/13/2001 10:59 am

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Lead	mg/L	09/01/1982	00S1	0.023	U		#	0.023	-
	mg/L	07/01/1983	0001	0.01	U		#	0.01	-
	mg/L	08/15/1983	0001	0.01	U		#	0.01	-
	mg/L	11/01/1983	0001	0.01	U		#	0.01	-
Magnesium	mg/L	09/01/1982	00S1	10.00			#	-	-
	mg/L	07/01/1983	0001	11.00			#	-	-
	mg/L	08/15/1983	0001	4.40			#	-	-
	mg/L	11/01/1983	0001	8.00			#	-	-
Molybdenum	mg/L	09/01/1982	00S1	0.05	U		#	0.05	-
	mg/L	07/01/1983	0001	0.02	U		#	0.02	-
	mg/L	08/15/1983	0001	0.01	U		#	0.01	-
	mg/L	11/01/1983	0001	0.05	U		#	0.05	-
Nickel	mg/L	09/01/1982	00S1	0.05	U		#	0.05	-
	mg/L	07/01/1983	0001	0.05	U		#	0.05	-
	mg/L	08/15/1983	0001	0.05	U		#	0.05	-
	mg/L	11/01/1983	0001	0.05	U		#	0.05	-
Nitrate as NO3	mg/L	09/01/1982	00S1	1.00	U		#	1	-
	mg/L	07/01/1983	0001	15.00	U		#	15	-
	mg/L	08/15/1983	0001	5.00	U		#	5	-
	mg/L	11/01/1983	0001	5.00	U		#	5	-
Oxidation Reduction Potent	mV	09/01/1982	N0S1	140.00			#	-	-
	mV	11/01/1983	N001	160.00			#	-	-
pH	s.u.	09/01/1982	N0S1	8.30			#	-	-
	s.u.	07/01/1983	N001	8.20			#	-	-
	s.u.	08/15/1983	N001	7.65			#	-	-
	s.u.	11/01/1983	N001	8.00			#	-	-
Potassium	mg/L	09/01/1982	00S1	3.00			#	-	-
	mg/L	07/01/1983	0001	2.00			#	-	-
	mg/L	08/15/1983	0001	0.34			#	-	-
	mg/L	11/01/1983	0001	2.50			#	-	-
Radium-226	pCi/L	09/01/1982	00S1	2.00	U		#	2	± 0.00
	pCi/L	11/01/1983	0001	2.00	U		#	2	± 0.00
Selenium	mg/L	09/01/1982	00S1	0.01	U		#	0.01	-
	mg/L	07/01/1983	0001	0.01	U		#	0.01	-

SURFACE WATER QUALITY DATA BY LOCATION (USEE102) FOR SITE DUR01, DURANGO MILL TAILINGS

LOCATION: 0514

REPORT DATE: 12/13/2001 10:59 am

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Selenium	mg/L	08/15/1983	0001	0.01	U		#	0.01	-
	mg/L	11/01/1983	0001	0.01	U		#	0.01	-
Silicon	mg/L	09/01/1982	00S1	4.00			#	-	-
	mg/L	07/01/1983	0001	3.30			#	-	-
	mg/L	08/15/1983	0001	2.10			#	-	-
	mg/L	11/01/1983	0001	3.50			#	-	-
Sodium	mg/L	09/01/1982	00S1	16.00			#	-	-
	mg/L	07/01/1983	0001	10.00			#	-	-
	mg/L	08/15/1983	0001	2.50			#	-	-
	mg/L	11/01/1983	0001	12.00			#	-	-
Specific Conductance	umhos/cm	09/01/1982	N0S1	400.00			#	-	-
	umhos/cm	07/01/1983	N001	408.00			#	-	-
	umhos/cm	08/15/1983	N001	169.00			#	-	-
	umhos/cm	11/01/1983	N001	400.00			#	-	-
Sulfate	mg/L	09/01/1982	00S1	116.00			#	-	-
	mg/L	07/01/1983	0001	94.00			#	-	-
	mg/L	08/15/1983	0001	28.00			#	-	-
	mg/L	11/01/1983	0001	80.00			#	-	-
Temperature	C	09/01/1982	N0S1	8.00			#	-	-
	C	07/01/1983	N001	8.00			#	-	-
	C	08/15/1983	N001	10.00			#	-	-
	C	11/01/1983	N001	17.00			#	-	-
Uranium	mg/L	09/01/1982	00S1	0.002			#	-	-
	mg/L	07/01/1983	0001	0.002			#	-	-
	mg/L	08/15/1983	0001	0.001	U		#	0.001	-
	mg/L	11/01/1983	0001	0.001			#	-	-
Vanadium	mg/L	09/01/1982	00S1	0.05	U		#	0.05	-
	mg/L	07/01/1983	0001	0.01	U		#	0.01	-
	mg/L	08/15/1983	0001	0.01	U		#	0.01	-
	mg/L	11/01/1983	0001	0.05	U		#	0.05	-
Zinc	mg/L	09/01/1982	00S1	0.72			#	-	-
	mg/L	07/01/1983	0001	0.05			#	-	-
	mg/L	08/15/1983	0001	0.05			#	-	-
	mg/L	11/01/1983	0001	0.05			#	-	-

SURFACE WATER QUALITY DATA BY LOCATION (USEE102) FOR SITE DUR01, DURANGO MILL TAILINGS  
LOCATION: 0514  
REPORT DATE: 12/13/2001 10:59 am

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		

RECORDS: SELECTED FROM USEE102

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LAB QUALIFIERS:

- \* Replicate analysis not within control limits.
- + Correlation coefficient for MSA < 0.995.
- A TIC is a suspected aldol-condensation product.
- B Inorganic: Result is between the IDL and CRDL. Organic: Analyte also found in method blank.
- E Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
- Z Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- H Holding time expired, value suspect.
- I Increased detection limit due to required dilution.
- C Pesticide result confirmed by GC-MS.
- M GFAA duplicate injection precision not met.
- N Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC).
- S Result determined by method of standard addition (MSA).
- U Analytical result below detection limit.
- W Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
- D Analyte determined in diluted sample.
- P > 25% difference in detected pesticide or Arochlor concentrations between 2 columns.
- X Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- Y Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- > Result above upper detection limit.
- J Estimated

DATA QUALIFIERS:

- J Estimated value.
- G Possible grout contamination, pH > 9.
- R Unusable result.
- U Parameter analyzed for but was not detected.
- F Low flow sampling method used.
- L Less than 3 bore volumes purged prior to sampling.
- X Location is undefined.

QA QUALIFIER: # = validated according to Quality Assurance guidelines.

SURFACE WATER QUALITY DATA BY LOCATION (USEE102) FOR SITE DUR01, DURANGO MILL TAILINGS  
LOCATION: 0515  
REPORT DATE: 12/13/2001 10:59 am

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Alkalinity as CaCO3	mg/L	11/30/2000	0001	98			#	-	-
	mg/L	11/30/2000	N001	106			#	-	-
	mg/L	03/29/2001	0001	107			#	-	-
	mg/L	03/29/2001	N001	106			#	-	-
	mg/L	06/07/2001	0001	37			#	-	-
	mg/L	06/07/2001	N001	38			#	-	-
	mg/L	08/23/2001	0001	100			#	-	-
	mg/L	08/23/2001	N001	111			#	-	-
Ammonium	mg/L	11/30/2000	0001	0.019	B		#	0.0047	-
	mg/L	03/29/2001	0001	0.0176	B		#	0.0062	-
	mg/L	05/02/2001	0001	0.0168	B		#	0.0062	-
	mg/L	06/07/2001	0001	0.0062	U		#	0.0062	-
	mg/L	06/28/2001	0001	0.0138	B		#	0.0062	-
	mg/L	08/23/2001	0001	0.0201	B		#	0.0062	-
	mg/L	08/23/2001	N001	0.0248	B		#	0.0062	-
Antimony	mg/L	11/30/2000	0001	0.0003	U		#	0.0003	-
	mg/L	03/29/2001	0001	0.00053	B	U	#	0.0003	-
	mg/L	05/02/2001	0001	0.00065	B	U	#	0.0003	-
	mg/L	06/07/2001	0001	0.0008	U		#	0.0008	-
	mg/L	06/28/2001	0001	0.0014	B	U	#	0.0008	-
	mg/L	08/23/2001	0001	0.00031	B	U	#	0.0002	-
	mg/L	08/23/2001	N001	0.0029	B	U	#	0.00022	-
Arsenic	mg/L	11/30/2000	0001	0.0002	U		#	0.0002	-
	mg/L	03/29/2001	0001	0.0005	U		#	0.0005	-
	mg/L	05/02/2001	0001	0.0005	U		#	0.0005	-
	mg/L	06/07/2001	0001	0.0005	U		#	0.0005	-
	mg/L	06/28/2001	0001	0.0005	U		#	0.0005	-
	mg/L	08/23/2001	0001	0.0005	U		#	0.0005	-
	mg/L	08/23/2001	N001	0.00056	U		#	0.00056	-
Cadmium	mg/L	11/30/2000	0001	0.0002	U		#	0.0002	-
	mg/L	03/29/2001	0001	0.0004	B		#	0.0002	-
	mg/L	05/02/2001	0001	0.00044	B	U	#	0.0002	-
	mg/L	06/07/2001	0001	0.00052	B		#	0.0004	-
	mg/L	06/28/2001	0001	0.00048	B		#	0.0004	-
	mg/L	08/23/2001	0001	0.00088	B		#	0.0003	-



SURFACE WATER QUALITY DATA BY LOCATION (USEE102) FOR SITE DUR01, DURANGO MILL TAILINGS  
LOCATION: 0515  
REPORT DATE: 12/13/2001 10:59 am

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Cadmium	mg/L	08/23/2001	N001	0.00033	U		#	0.00033	-
Calcium	mg/L	11/30/2000	0001	78.900			#	0.032	-
	mg/L	03/29/2001	0001	55.900			#	0.0642	-
	mg/L	05/02/2001	0001	27.600			#	0.0642	-
	mg/L	06/07/2001	0001	23.000			#	0.0814	-
	mg/L	06/28/2001	0001	37.300			#	0.0814	-
	mg/L	08/23/2001	0001	59.200			#	0.0814	-
	mg/L	08/23/2001	N001	60.900			#	0.09044	-
Chloride	mg/L	11/30/2000	0001	17.300			#	0.024	-
	mg/L	03/29/2001	0001	7.900			#	0.0149	-
	mg/L	05/02/2001	0001	1.900			#	0.0149	-
	mg/L	06/07/2001	0001	2.160			#	0.0149	-
	mg/L	06/28/2001	0001	5.990			#	0.0149	-
	mg/L	08/23/2001	0001	14.400			#	0.0149	-
	mg/L	08/23/2001	N001	14.600			#	0.0149	-
Chromium	mg/L	11/30/2000	0001	0.0059	U		#	0.0059	-
	mg/L	03/29/2001	0001	0.0008	U		#	0.0008	-
	mg/L	05/02/2001	0001	0.0008	U		#	0.0008	-
	mg/L	06/07/2001	0001	0.0008	U		#	0.0008	-
	mg/L	06/28/2001	0001	0.0008	U		#	0.0008	-
	mg/L	08/23/2001	0001	0.0008	U		#	0.0008	-
	mg/L	08/23/2001	N001	0.00089	U		#	0.00089	-
Copper	mg/L	11/30/2000	0001	0.0028	B		#	0.0025	-
	mg/L	03/29/2001	0001	0.0034	U		#	0.0034	-
	mg/L	05/02/2001	0001	0.0034	U		#	0.0034	-
	mg/L	06/07/2001	0001	0.0024	B		#	0.0003	-
	mg/L	06/28/2001	0001	0.0016	B		#	0.0003	-
	mg/L	08/23/2001	0001	0.0014	B	U	#	0.0003	-
	mg/L	08/23/2001	N001	0.0044	B		#	0.00033	-
Gross Alpha	pCi/L	11/30/2000	0001	3.55	U	J	#	3.55	± 2.02
	pCi/L	03/29/2001	0001	2.95	U	J	#	2.95	± 1.73
	pCi/L	05/02/2001	0001	2.58	U		#	2.58	± 1.32
	pCi/L	06/07/2001	0001	2.6	U		#	2.6	± 1.36
	pCi/L	06/28/2001	0001	2.89	U		#	2.89	± 1.65
	pCi/L	08/23/2001	0001	3.7	U	J	#	3.7	± 1.69

SURFACE WATER QUALITY DATA BY LOCATION (USEE102) FOR SITE DUR01, DURANGO MILL TAILINGS  
LOCATION: 0515  
REPORT DATE: 12/13/2001 10:59 am

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Gross Alpha	pCi/L	08/23/2001	N001	3.68	U	J	#	3.68	± 1.81
Gross Beta	pCi/L	11/30/2000	0001	3.89	U		#	3.89	± 2.42
	pCi/L	03/29/2001	0001	3.91	U		#	3.91	± 2.23
	pCi/L	05/02/2001	0001	3.87	U		#	3.87	± 2.27
	pCi/L	06/07/2001	0001	3.85	U		#	3.85	± 2.18
	pCi/L	06/28/2001	0001	3.87	U		#	3.87	± 2.18
	pCi/L	08/23/2001	0001	3.94	U		#	3.94	± 2.28
	pCi/L	08/23/2001	N001	3.94	U		#	3.94	± 2.21
Iron	mg/L	11/30/2000	0001	0.0121	B	U	#	0.011	-
	mg/L	03/29/2001	0001	0.017	B	U	#	0.001	-
	mg/L	05/02/2001	0001	0.0336			#	0.001	-
	mg/L	06/07/2001	0001	0.0438			#	0.0008	-
	mg/L	06/28/2001	0001	0.0121	B		#	0.0008	-
	mg/L	08/23/2001	0001	0.0097	B	U	#	0.0008	-
	mg/L	08/23/2001	N001	0.748	*	J	#	0.00089	-
Lead	mg/L	11/30/2000	0001	0.0001	U		#	0.0001	-
	mg/L	03/29/2001	0001	0.0003	B	U	#	0.0001	-
	mg/L	05/02/2001	0001	0.00026	B		#	0.0001	-
	mg/L	06/07/2001	0001	0.00066	B	U	#	0.0001	-
	mg/L	06/28/2001	0001	0.0001	U		#	0.0001	-
	mg/L	08/23/2001	0001	0.0001	U		#	0.0001	-
	mg/L	08/23/2001	N001	0.0048		U	#	0.00011	-
Lead-210	pCi/L	11/30/2000	0001	1.1	U		#	1.1	± 0.63
	pCi/L	03/29/2001	0001	1.38	U		#	1.38	± 0.79
	pCi/L	05/02/2001	0001	0.96	U		#	0.96	± 0.55
	pCi/L	06/07/2001	0001	1.16	U		#	1.16	± 0.66
	pCi/L	06/28/2001	0001	1.12	U		#	1.12	± 0.66
	pCi/L	08/23/2001	0001	1.25	U		#	1.25	± 0.74
	pCi/L	08/23/2001	N001	1.32	U		#	1.32	± 0.75
Magnesium	mg/L	11/30/2000	0001	11.500			#	0.0471	-
	mg/L	03/29/2001	0001	9.600			#	0.0031	-
	mg/L	05/02/2001	0001	4.080			#	0.0031	-
	mg/L	06/07/2001	0001	3.160			#	0.0034	-
	mg/L	06/28/2001	0001	5.270			#	0.0034	-
	mg/L	08/23/2001	0001	8.890			#	0.0034	-

SURFACE WATER QUALITY DATA BY LOCATION (USEE102) FOR SITE DUR01, DURANGO MILL TAILINGS  
LOCATION: 0515  
REPORT DATE: 12/13/2001 10:59 am

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Magnesium	mg/L	08/23/2001	N001	9.050			#	0.00378	-
Manganese	mg/L	11/30/2000	0001	0.143			#	0.003	-
	mg/L	03/29/2001	0001	0.0802			#	0.0001	-
	mg/L	05/02/2001	0001	0.0452			#	0.0001	-
	mg/L	06/07/2001	0001	0.0421			#	0.0001	-
	mg/L	06/28/2001	0001	0.0749			#	0.0001	-
	mg/L	08/23/2001	0001	0.0766			#	0.0001	-
	mg/L	08/23/2001	N001	0.109			#	0.00011	-
Molybdenum	mg/L	11/30/2000	0001	0.001	B		#	0.0003	-
	mg/L	03/29/2001	0001	0.0011	B	U	#	0.0004	-
	mg/L	05/02/2001	0001	0.0004	U		#	0.0004	-
	mg/L	06/07/2001	0001	0.003	U		#	0.003	-
	mg/L	06/28/2001	0001	0.003	U		#	0.003	-
	mg/L	08/23/2001	0001	0.003	U		#	0.003	-
	mg/L	08/23/2001	N001	0.0033	U		#	0.00333	-
Nitrate as NO3	mg/L	11/30/2000	0001	0.587	B	+	#	0.0314	-
	mg/L	03/29/2001	0001	3.150			#	0.0171	-
	mg/L	05/02/2001	0001	0.931	B		#	0.0171	-
	mg/L	06/07/2001	0001	0.406	B		#	0.0171	-
	mg/L	06/28/2001	0001	0.405	B		#	0.0171	-
	mg/L	08/23/2001	0001	0.397	B		#	0.0305	-
	mg/L	08/23/2001	N001	0.450	B		#	0.0305	-
ORP of Zobell Solution	mV	11/30/2000	N001	248			#	-	-
	mV	03/29/2001	N001	236			#	-	-
	mV	05/02/2001	N001	214			#	-	-
	mV	06/07/2001	N001	225			#	-	-
	mV	06/28/2001	N001	224			#	-	-
	mV	08/23/2001	N001	238			#	-	-
Oxidation Reduction Potent	mV	11/30/2000	N001	129			#	-	-
	mV	03/29/2001	N001	118			#	-	-
	mV	05/02/2001	N001	198			#	-	-
	mV	06/07/2001	N001	97			#	-	-
	mV	06/28/2001	N001	-6			#	-	-
	mV	08/23/2001	N001	109			#	-	-
pH	s.u.	11/30/2000	N001	8.17			#	-	-

SURFACE WATER QUALITY DATA BY LOCATION (USEE102) FOR SITE DUR01, DURANGO MILL TAILINGS  
LOCATION: 0515  
REPORT DATE: 12/13/2001 10:59 am

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
pH	s.u.	03/29/2001	N001	7.83				# -	-
	s.u.	05/02/2001	N001	7.4				# -	-
	s.u.	06/07/2001	N001	7.93				# -	-
	s.u.	06/28/2001	N001	7.08				# -	-
	s.u.	08/23/2001	N001	7.66				# -	-
Polonium-210	pCi/L	11/30/2000	0001	0.08	U			# 0.08	± 0.09
	pCi/L	03/29/2001	0001	0.04	U			# 0.04	± 0.03
	pCi/L	05/02/2001	0001	0.10	U			# 0.1	± 0.05
	pCi/L	06/07/2001	0001	0.23	U			# 0.23	± 0.11
	pCi/L	06/28/2001	0001	0.07				# 0.04	± 0.03
	pCi/L	08/23/2001	0001	0.06				# 0.05	± 0.03
	pCi/L	08/23/2001	N001	0.1	U			# 0.1	± 0.05
Potassium	mg/L	11/30/2000	0001	2.950				# 0.0359	-
	mg/L	03/29/2001	0001	1.780				# 0.0091	-
	mg/L	05/02/2001	0001	0.747				# 0.0091	-
	mg/L	06/07/2001	0001	0.731				# 0.0088	-
	mg/L	06/28/2001	0001	1.230				# 0.0088	-
	mg/L	08/23/2001	0001	2.210				# 0.0088	-
	mg/L	08/23/2001	N001	2.400				# 0.00978	-
Radium-226	pCi/L	11/30/2000	0001	0.15	U			# 0.15	± 0.09
	pCi/L	03/29/2001	0001	0.14	U			# 0.14	± 0.09
	pCi/L	05/02/2001	0001	0.22	U			# 0.22	± 0.12
	pCi/L	06/07/2001	0001	0.11	U			# 0.11	± 0.06
	pCi/L	06/28/2001	0001	0.07	U			# 0.07	± 0.05
	pCi/L	08/23/2001	0001	0.1	U			# 0.1	± 0.06
	pCi/L	08/23/2001	N001	0.14				# 0.1	± 0.07
Radium-228	pCi/L	11/30/2000	0001	0.74	U			# 0.74	± 0.44
	pCi/L	03/29/2001	0001	0.96	U			# 0.96	± 0.57
	pCi/L	05/02/2001	0001	1.48	U			# 1.48	± 0.85
	pCi/L	06/07/2001	0001	1	U			# 1	± 0.58
	pCi/L	06/28/2001	0001	0.72	U			# 0.72	± 0.43
	pCi/L	08/23/2001	0001	0.69	U			# 0.69	± 0.41
	pCi/L	08/23/2001	N001	0.84	U			# 0.84	± 0.49
Selenium	mg/L	11/30/2000	0001	0.00027	B			# 0.0001	-
	mg/L	03/29/2001	0001	0.0003	U			# 0.0003	-

SURFACE WATER QUALITY DATA BY LOCATION (USEE102) FOR SITE DUR01, DURANGO MILL TAILINGS

LOCATION: 0515

REPORT DATE: 12/13/2001 10:59 am

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Selenium	mg/L	05/02/2001	0001	0.00034	B		#	0.0003	-
	mg/L	06/07/2001	0001	0.0003	U		#	0.0003	-
	mg/L	06/28/2001	0001	0.00033	B		#	0.0003	-
	mg/L	08/23/2001	0001	0.00033	B		#	0.0003	-
	mg/L	08/23/2001	N001	0.00033	U		#	0.00033	-
Sodium	mg/L	11/30/2000	0001	18.000			#	0.525	-
	mg/L	03/29/2001	0001	8.770			#	0.0052	-
	mg/L	05/02/2001	0001	2.530			#	0.0052	-
	mg/L	06/07/2001	0001	2.960			#	0.0085	-
	mg/L	06/28/2001	0001	6.830			#	0.0085	-
	mg/L	08/23/2001	0001	12.900			#	0.0085	-
	mg/L	08/23/2001	N001	13.300			#	0.00944	-
Specific Conductance	umhos/cm	11/30/2000	N001	573			#	-	-
	umhos/cm	03/29/2001	N001	426			#	-	-
	umhos/cm	05/02/2001	N001	1960			#	-	-
	umhos/cm	06/07/2001	N001	171			#	-	-
	umhos/cm	06/28/2001	N001	261			#	-	-
	umhos/cm	08/23/2001	N001	515			#	-	-
Sulfate	mg/L	11/30/2000	0001	146.000			#	0.0589	-
	mg/L	03/29/2001	0001	84.100			#	0.0253	-
	mg/L	05/02/2001	0001	30.900			#	0.0253	-
	mg/L	06/07/2001	0001	31.000			#	0.0253	-
	mg/L	06/28/2001	0001	53.000			#	0.0253	-
	mg/L	08/23/2001	0001	104.000			#	0.0253	-
	mg/L	08/23/2001	N001	104.000			#	0.0253	-
Temperature	C	11/30/2000	N001	5.9			#	-	-
	C	03/29/2001	N001	7.1			#	-	-
	C	05/02/2001	N001	7.1			#	-	-
	C	06/07/2001	N001	11			#	-	-
	C	06/28/2001	N001	14.3			#	-	-
	C	08/23/2001	N001	13.5			#	-	-
Temperature of Zobell Solu	C	11/30/2000	N001	11.1			#	-	-
	C	03/29/2001	N001	9			#	-	-
	C	05/02/2001	N001	20.6			#	-	-
	C	06/07/2001	N001	18.1			#	-	-

SURFACE WATER QUALITY DATA BY LOCATION (USEE102) FOR SITE DUR01, DURANGO MILL TAILINGS  
LOCATION: 0515  
REPORT DATE: 12/13/2001 10:59 am

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Temperature of Zobell Solu	C	06/28/2001	N001	20.8			#	-	-
	C	08/23/2001	N001	12.9			#	-	-
Thallium	mg/L	11/30/2000	0001	0.0001	U		#	0.0001	-
	mg/L	03/29/2001	0001	0.00033	B	U	#	0.0001	-
	mg/L	05/02/2001	0001	0.0001	U		#	0.0001	-
	mg/L	06/07/2001	0001	0.00019	BE	UJ	#	-	-
	mg/L	06/28/2001	0001	0.0001	U		#	-	-
	mg/L	08/23/2001	0001	0.0001	U		#	0.0001	-
	mg/L	08/23/2001	N001	0.00011	U		#	0.00011	-
Thorium-230	pCi/L	11/30/2000	0001	1.7	U		#	1.72	-
	pCi/L	03/29/2001	0001	0.92	U		#	0.92	-
	pCi/L	05/02/2001	0001	0.92	U		#	0.92	-
	pCi/L	06/07/2001	0001	1.5	U		#	1.48	-
	pCi/L	06/28/2001	0001	1.5	U		#	1.48	-
	pCi/L	08/23/2001	0001	3.2	B		#	1.48	-
	pCi/L	08/23/2001	N001	1.6	U		#	1.6444	-
Total Dissolved Solids	mg/L	11/30/2000	0001	352			#	10	-
	mg/L	03/29/2001	0001	265			#	10	-
	mg/L	05/02/2001	0001	122			#	10	-
	mg/L	06/07/2001	0001	125			#	10	-
	mg/L	06/28/2001	0001	148			#	10	-
	mg/L	08/23/2001	0001	280			#	10	-
	mg/L	08/23/2001	N001	293			#	10	-
Turbidity	NTU	08/23/2001	N001	9.46			#	-	-
Uranium	mg/L	11/30/2000	0001	0.0011			#	0.0001	-
	mg/L	03/29/2001	0001	0.00098	B		#	0.0001	-
	mg/L	05/02/2001	0001	0.00013	B		#	0.0001	-
	mg/L	06/07/2001	0001	0.00055	B	U	#	0.0001	-
	mg/L	06/28/2001	0001	0.00055	B		#	0.0001	-
	mg/L	08/23/2001	0001	0.00078	B		#	0.0001	-
	mg/L	08/23/2001	N001	0.0009	B		#	0.00011	-
Uranium-234	pCi/L	03/29/2001	0001	0.68	B*	UJ	#	0.4	-
	pCi/L	05/02/2001	0001	0.4	U	U	#	0.4	-
Uranium-238	pCi/L	03/29/2001	0001	0.4	B		#	0.1	-
	pCi/L	05/02/2001	0001	0.1	U		#	0.1	-

SURFACE WATER QUALITY DATA BY LOCATION (USEE102) FOR SITE DUR01, DURANGO MILL TAILINGS  
LOCATION: 0515  
REPORT DATE: 12/13/2001 10:59 am

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Vanadium	mg/L	11/30/2000	0001	0.0015	U		#	0.0015	-
	mg/L	03/29/2001	0001	0.0004	U		#	0.0004	-
	mg/L	05/02/2001	0001	0.00047	B		#	0.0004	-
	mg/L	06/07/2001	0001	0.0003	U		#	0.0003	-
	mg/L	06/28/2001	0001	0.0003	U		#	0.0003	-
	mg/L	08/23/2001	0001	0.00047	B		#	0.0003	-
	mg/L	08/23/2001	N001	0.0022	B		#	0.00033	-
Zinc	mg/L	11/30/2000	0001	0.0581			#	0.0102	-
	mg/L	03/29/2001	0001	0.0381	B		#	0.0095	-
	mg/L	05/02/2001	0001	0.0264	B		#	0.0095	-
	mg/L	06/07/2001	0001	0.054			#	0.0073	-
	mg/L	06/28/2001	0001	0.0728			#	0.0073	-
	mg/L	08/23/2001	0001	0.0516			#	0.0073	-
	mg/L	08/23/2001	N001	0.0785			#	0.00811	-

RECORDS: SELECTED FROM USEE102

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LAB QUALIFIERS:

- \* Replicate analysis not within control limits.
- + Correlation coefficient for MSA < 0.995.
- A TIC is a suspected aldol-condensation product.
- B Inorganic: Result is between the IDL and CRDL. Organic: Analyte also found in method blank.
- E Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
- Z Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- H Holding time expired, value suspect.
- I Increased detection limit due to required dilution.
- C Pesticide result confirmed by GC-MS.
- M GFAA duplicate injection precision not met.
- N Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC).
- S Result determined by method of standard addition (MSA).
- U Analytical result below detection limit.
- W Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
- D Analyte determined in diluted sample.
- P > 25% difference in detected pesticide or Arochlor concentrations between 2 columns.
- X Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- Y Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- > Result above upper detection limit.
- J Estimated

DATA QUALIFIERS:

- J Estimated value.
- G Possible grout contamination, pH > 9.
- R Unusable result.
- U Parameter analyzed for but was not detected.
- F Low flow sampling method used.
- L Less than 3 bore volumes purged prior to sampling.
- X Location is undefined.

QA QUALIFIER: # = validated according to Quality Assurance guidelines.

SURFACE WATER QUALITY DATA BY LOCATION (USEE102) FOR SITE DUR01, DURANGO MILL TAILINGS  
LOCATION: 0516  
REPORT DATE: 12/13/2001 10:59 am

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Alkalinity as CaCO3	mg/L	07/01/1983	N001	122.00			#	-	-
	mg/L	08/15/1983	N001	33.00			#	-	-
	mg/L	11/01/1983	N001	160.00			#	-	-
Arsenic	mg/L	07/01/1983	0001	0.01	U		#	0.01	-
	mg/L	08/15/1983	0001	0.01	U		#	0.01	-
	mg/L	11/01/1983	0001	0.01	U		#	0.01	-
Calcium	mg/L	07/01/1983	0001	55.00			#	-	-
	mg/L	08/15/1983	0001	23.00			#	-	-
	mg/L	11/01/1983	0001	57.00			#	-	-
Chloride	mg/L	07/01/1983	0001	5.00			#	-	-
	mg/L	08/15/1983	0001	1.00			#	-	-
	mg/L	11/01/1983	0001	12.00			#	-	-
Chromium	mg/L	07/01/1983	0001	0.01	U		#	0.01	-
	mg/L	08/15/1983	0001	0.01	U		#	0.01	-
	mg/L	11/01/1983	0001	0.01	U		#	0.01	-
Cobalt	mg/L	07/01/1983	0001	0.01	U		#	0.01	-
	mg/L	08/15/1983	0001	0.01	U		#	0.01	-
	mg/L	11/01/1983	0001	0.01	U		#	0.01	-
Copper	mg/L	07/01/1983	0001	0.01	U		#	0.01	-
	mg/L	08/15/1983	0001	0.01	U		#	0.01	-
	mg/L	11/01/1983	0001	0.01	U		#	0.01	-
Iron	mg/L	07/01/1983	0001	0.06			#	-	-
	mg/L	08/15/1983	0001	0.20	U		#	0.2	-
	mg/L	11/01/1983	0001	0.05	U		#	0.05	-
Lead	mg/L	07/01/1983	0001	0.01	U		#	0.01	-
	mg/L	08/15/1983	0001	0.01	U		#	0.01	-
	mg/L	11/01/1983	0001	0.01	U		#	0.01	-
Magnesium	mg/L	07/01/1983	0001	14.00			#	-	-
	mg/L	08/15/1983	0001	5.20			#	-	-
	mg/L	11/01/1983	0001	9.00			#	-	-
Molybdenum	mg/L	07/01/1983	0001	0.02	U		#	0.02	-
	mg/L	08/15/1983	0001	0.01	U		#	0.01	-
	mg/L	11/01/1983	0001	0.05	U		#	0.05	-
Nickel	mg/L	07/01/1983	0001	0.05	U		#	0.05	-



SURFACE WATER QUALITY DATA BY LOCATION (USEE102) FOR SITE DUR01, DURANGO MILL TAILINGS

LOCATION: 0516

REPORT DATE: 12/13/2001 10:59 am

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Nickel	mg/L	08/15/1983	0001	0.05	U		#	0.05	-
	mg/L	11/01/1983	0001	0.05	U		#	0.05	-
Nitrate as NO3	mg/L	07/01/1983	0001	15.00	U		#	15	-
	mg/L	08/15/1983	0001	5.00	U		#	5	-
	mg/L	11/01/1983	0001	5.00	U		#	5	-
Oxidation Reduction Potent	mV	11/01/1983	N001	130.00			#	-	-
pH	s.u.	07/01/1983	N001	8.50			#	-	-
	s.u.	08/15/1983	N001	8.30			#	-	-
	s.u.	11/01/1983	N001	8.00			#	-	-
Potassium	mg/L	07/01/1983	0001	2.00			#	-	-
	mg/L	08/15/1983	0001	0.26			#	-	-
	mg/L	11/01/1983	0001	3.00			#	-	-
Radium-226	pCi/L	11/01/1983	0001	2.00	U		#	2	± 0.00
Selenium	mg/L	07/01/1983	0001	0.01	U		#	0.01	-
	mg/L	08/15/1983	0001	0.01	U		#	0.01	-
	mg/L	11/01/1983	0001	0.01	U		#	0.01	-
Silicon	mg/L	07/01/1983	0001	3.40			#	-	-
	mg/L	08/15/1983	0001	2.10			#	-	-
	mg/L	11/01/1983	0001	3.70			#	-	-
Sodium	mg/L	07/01/1983	0001	10.00			#	-	-
	mg/L	08/15/1983	0001	2.60			#	-	-
	mg/L	11/01/1983	0001	12.00			#	-	-
Specific Conductance	umhos/cm	07/01/1983	N001	361.00			#	-	-
	umhos/cm	08/15/1983	N001	128.00			#	-	-
	umhos/cm	11/01/1983	N001	390.00			#	-	-
Sulfate	mg/L	07/01/1983	0001	90.00			#	-	-
	mg/L	08/15/1983	0001	28.00			#	-	-
	mg/L	11/01/1983	0001	86.00			#	-	-
Temperature	C	07/01/1983	N001	8.00			#	-	-
	C	08/15/1983	N001	11.00			#	-	-
	C	11/01/1983	N001	18.00			#	-	-
Uranium	mg/L	07/01/1983	0001	0.80			#	-	-
	mg/L	08/15/1983	0001	0.001	U		#	0.001	-

SURFACE WATER QUALITY DATA BY LOCATION (USEE102) FOR SITE DUR01, DURANGO MILL TAILINGS

LOCATION: 0516

REPORT DATE: 12/13/2001 10:59 am

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Uranium	mg/L	11/01/1983	0001	0.01	U		#	0.01	-
Vanadium	mg/L	07/01/1983	0001	0.01	U		#	0.01	-
	mg/L	08/15/1983	0001	0.01	U		#	0.01	-
	mg/L	11/01/1983	0001	0.05	U		#	0.05	-
Zinc	mg/L	07/01/1983	0001	0.05	U		#	0.05	-
	mg/L	08/15/1983	0001	0.05			#	-	-
	mg/L	11/01/1983	0001	0.05			#	-	-

RECORDS: SELECTED FROM USEE102

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LAB QUALIFIERS:

- \* Replicate analysis not within control limits.
- + Correlation coefficient for MSA < 0.995.
- A TIC is a suspected aldol-condensation product.
- B Inorganic: Result is between the IDL and CRDL. Organic: Analyte also found in method blank.
- E Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
- Z Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- H Holding time expired, value suspect.
- I Increased detection limit due to required dilution.
- C Pesticide result confirmed by GC-MS.
- M GFAA duplicate injection precision not met.
- N Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC).
- S Result determined by method of standard addition (MSA).
- U Analytical result below detection limit.
- W Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
- D Analyte determined in diluted sample.
- P > 25% difference in detected pesticide or Arochlor concentrations between 2 columns.
- X Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- Y Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- > Result above upper detection limit.
- J Estimated

DATA QUALIFIERS:

- J Estimated value.
- G Possible grout contamination, pH > 9.
- R Unusable result.
- U Parameter analyzed for but was not detected.
- F Low flow sampling method used.
- L Less than 3 bore volumes purged prior to sampling.
- X Location is undefined.

QA QUALIFIER: # = validated according to Quality Assurance guidelines.

SURFACE WATER QUALITY DATA BY LOCATION (USEE102) FOR SITE DUR01, DURANGO MILL TAILINGS

LOCATION: 0531

REPORT DATE: 12/13/2001 10:59 am

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Alkalinity as CaCO3	mg/L	09/01/1982	N0S1	215.00			#	-	-
Aluminum	mg/L	09/01/1982	00S1	0.10	U		#	0.1	-
Arsenic	mg/L	09/01/1982	00S1	0.01	U		#	0.01	-
Barium	mg/L	09/01/1982	00S1	0.10	U		#	0.1	-
Calcium	mg/L	09/01/1982	00S1	83.00			#	-	-
Chloride	mg/L	09/01/1982	00S1	4.00			#	-	-
Chromium	mg/L	09/01/1982	00S1	0.01	U		#	0.01	-
Cobalt	mg/L	09/01/1982	00S1	0.01	U		#	0.01	-
Copper	mg/L	09/01/1982	00S1	0.016			#	-	-
Iron	mg/L	09/01/1982	00S1	0.10	U		#	0.1	-
Lead	mg/L	09/01/1982	00S1	0.01	U		#	0.01	-
Magnesium	mg/L	09/01/1982	00S1	30.00			#	-	-
Molybdenum	mg/L	09/01/1982	00S1	0.05	U		#	0.05	-
Nickel	mg/L	09/01/1982	00S1	0.05	U		#	0.05	-
Nitrate as NO3	mg/L	09/01/1982	00S1	1.00			#	-	-
Oxidation Reduction Potent	mV	09/01/1982	N0S1	140.00			#	-	-
pH	s.u.	09/01/1982	N0S1	8.20			#	-	-
Potassium	mg/L	09/01/1982	00S1	2.00			#	-	-
Radium-226	pCi/L	09/01/1982	00S1	2.00	U		#	2	± 0.00
Selenium	mg/L	09/01/1982	00S1	0.01	U		#	0.01	-
Silicon	mg/L	09/01/1982	00S1	3.10			#	-	-
Sodium	mg/L	09/01/1982	00S1	23.00			#	-	-
Specific Conductance	umhos/cm	09/01/1982	N0S1	500.00			#	-	-
Sulfate	mg/L	09/01/1982	00S1	160.00			#	-	-
Temperature	C	09/01/1982	N0S1	12.00			#	-	-
Uranium	mg/L	09/01/1982	00S1	0.003			#	-	-
Vanadium	mg/L	09/01/1982	00S1	0.05	U		#	0.05	-
Zinc	mg/L	09/01/1982	00S1	0.05			#	-	-

SURFACE WATER QUALITY DATA BY LOCATION (USEE102) FOR SITE DUR01, DURANGO MILL TAILINGS  
LOCATION: 0531  
REPORT DATE: 12/13/2001 10:59 am

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		

RECORDS: SELECTED FROM USEE102

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LAB QUALIFIERS:

- \* Replicate analysis not within control limits.
- + Correlation coefficient for MSA < 0.995.
- A TIC is a suspected aldol-condensation product.
- B Inorganic: Result is between the IDL and CRDL. Organic: Analyte also found in method blank.
- E Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
- Z Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- H Holding time expired, value suspect.
- I Increased detection limit due to required dilution.
- C Pesticide result confirmed by GC-MS.
- M GFAA duplicate injection precision not met.
- N Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC).
- S Result determined by method of standard addition (MSA).
- U Analytical result below detection limit.
- W Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
- D Analyte determined in diluted sample.
- P > 25% difference in detected pesticide or Arochlor concentrations between 2 columns.
- X Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- Y Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- > Result above upper detection limit.
- J Estimated

DATA QUALIFIERS:

- J Estimated value.
- G Possible grout contamination, pH > 9.
- R Unusable result.
- U Parameter analyzed for but was not detected.
- F Low flow sampling method used.
- L Less than 3 bore volumes purged prior to sampling.
- X Location is undefined.

QA QUALIFIER: # = validated according to Quality Assurance guidelines.

SURFACE WATER QUALITY DATA BY LOCATION (USEE102) FOR SITE DUR01, DURANGO MILL TAILINGS  
LOCATION: 0566 RESERVED MGILBERT, HIST/GEGR, 10/87  
REPORT DATE: 12/13/2001 10:59 am

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Alkalinity as CaCO3	mg/L	06/21/1983	N001	88.10		RX	#	-	-
Aluminum	mg/L	06/21/1983	0001	0.20	U	RX	#	0.2	-
Arsenic	mg/L	06/21/1983	0001	0.16		RX	#	-	-
Barium	mg/L	06/21/1983	0001	0.02	U	RX	#	0.02	-
Bicarbonate	mg/L	06/21/1983	0001	215.00		RX	#	-	-
Boron	mg/L	06/21/1983	0001	0.33		RX	#	-	-
Cadmium	mg/L	06/21/1983	0001	0.011		RX	#	-	-
Calcium	mg/L	06/21/1983	0001	350.00		RX	#	-	-
Carbonate	mg/L	06/21/1983	0001	10.00	U	RX	#	10	-
Chloride	mg/L	06/21/1983	0001	93.00		RX	#	-	-
Chromium	mg/L	06/21/1983	0001	0.051		RX	#	-	-
Cobalt	mg/L	06/21/1983	0001	0.04	U	RX	#	0.04	-
Copper	mg/L	06/21/1983	0001	0.03		RX	#	-	-
Fluoride	mg/L	06/21/1983	0001	3.00		RX	#	-	-
Iron	mg/L	06/21/1983	0001	0.053		RX	#	-	-
Lead	mg/L	06/21/1983	0001	0.22		RX	#	-	-
Magnesium	mg/L	06/21/1983	0001	420.00		RX	#	-	-
Manganese	mg/L	06/21/1983	0001	0.92		RX	#	-	-
Molybdenum	mg/L	06/21/1983	0001	0.02	U	RX	#	0.02	-
Nickel	mg/L	06/21/1983	0001	0.08	U	RX	#	0.08	-
Nitrate as NO3	mg/L	06/21/1983	0001	1.00	U	RX	#	1	-
pH	s.u.	06/21/1983	N001	6.80		RX	#	-	-
Potassium	mg/L	06/21/1983	0001	12.00		RX	#	-	-
Radium-226	pCi/L	06/21/1983	0001	0.70		RX	#	-	± 0.00
Radium-228	pCi/L	06/21/1983	0001	0.70		RX	#	-	± 0.00
Selenium	mg/L	06/21/1983	0001	0.15		RX	#	-	-
Silver	mg/L	06/21/1983	0001	0.04		RX	#	-	-
Sodium	mg/L	06/21/1983	0001	820.00		RX	#	-	-
Sulfate	mg/L	06/21/1983	0001	3740.00		RX	#	-	-

SURFACE WATER QUALITY DATA BY LOCATION (USEE102) FOR SITE DUR01, DURANGO MILL TAILINGS  
LOCATION: 0566 RESERVED MGILBERT, HIST/GEGR, 10/87  
REPORT DATE: 12/13/2001 10:59 am

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Total Cyanide	mg/L	06/21/1983	0001	1.00	U	RX	#	1	-
Total Dissolved Solids	mg/L	06/21/1983	0001	5410.00		RX	#	-	-
Uranium-238	pCi/L	06/21/1983	0001	0.04		RX	#	-	± 0.00
Vanadium	mg/L	06/21/1983	0001	0.04	U	RX	#	0.04	-
Zinc	mg/L	06/21/1983	0001	0.18		RX	#	-	-

RECORDS: SELECTED FROM USEE102

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LAB QUALIFIERS:

- \* Replicate analysis not within control limits.
- + Correlation coefficient for MSA < 0.995.
- A TIC is a suspected aldol-condensation product.
- B Inorganic: Result is between the IDL and CRDL. Organic: Analyte also found in method blank.
- E Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
- Z Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- H Holding time expired, value suspect.
- I Increased detection limit due to required dilution.
- C Pesticide result confirmed by GC-MS.
- M GFAA duplicate injection precision not met.
- N Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC).
- S Result determined by method of standard addition (MSA).
- U Analytical result below detection limit.
- W Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
- D Analyte determined in diluted sample.
- P > 25% difference in detected pesticide or Arochlor concentrations between 2 columns.
- X Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- Y Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- > Result above upper detection limit.
- J Estimated

DATA QUALIFIERS:

- J Estimated value.
- G Possible grout contamination, pH > 9.
- R Unusable result.
- U Parameter analyzed for but was not detected.
- F Low flow sampling method used.
- L Less than 3 bore volumes purged prior to sampling.
- X Location is undefined.

QA QUALIFIER: # = validated according to Quality Assurance guidelines.

SURFACE WATER QUALITY DATA BY LOCATION (USEE102) FOR SITE DUR01, DURANGO MILL TAILINGS  
LOCATION: 0567 RESERVED MGILBERT, HIST/GEGR, 10/87  
REPORT DATE: 12/13/2001 10:59 am

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Alkalinity as CaCO <sub>3</sub>	mg/L	05/21/1983	N001	502.00		RX	#	-	-
Aluminum	mg/L	05/21/1983	0001	0.48		RX	#	-	-
Arsenic	mg/L	05/21/1983	0001	0.47		RX	#	-	-
Barium	mg/L	05/21/1983	0001	0.02	U	RX	#	0.02	-
Bicarbonate	mg/L	05/21/1983	0001	1225.00		RX	#	-	-
Boron	mg/L	05/21/1983	0001	0.33		RX	#	-	-
Cadmium	mg/L	05/21/1983	0001	0.03		RX	#	-	-
Calcium	mg/L	05/21/1983	0001	910.00		RX	#	-	-
Carbonate	mg/L	05/21/1983	0001	10.00	U	RX	#	10	-
Chloride	mg/L	05/21/1983	0001	910.00		RX	#	-	-
Chromium	mg/L	05/21/1983	0001	0.095		RX	#	-	-
Cobalt	mg/L	05/21/1983	0001	0.069		RX	#	-	-
Copper	mg/L	05/21/1983	0001	0.086		RX	#	-	-
Fluoride	mg/L	05/21/1983	0001	1.00	U	RX	#	1	-
Iron	mg/L	05/21/1983	0001	0.19		RX	#	-	-
Lead	mg/L	05/21/1983	0001	0.56		RX	#	-	-
Magnesium	mg/L	05/21/1983	0001	730.00		RX	#	-	-
Manganese	mg/L	05/21/1983	0001	0.25		RX	#	-	-
Molybdenum	mg/L	05/21/1983	0001	0.056		RX	#	-	-
Nickel	mg/L	05/21/1983	0001	0.15		RX	#	-	-
Nitrate as NO <sub>3</sub>	mg/L	05/21/1983	0001	2.00		RX	#	-	-
pH	s.u.	05/21/1983	N001	7.10		RX	#	-	-
Potassium	mg/L	05/21/1983	0001	11.00		RX	#	-	-
Radium-226	pCi/L	05/21/1983	0001	0.74		RX	#	-	± 0.00
Radium-228	pCi/L	05/21/1983	0001	0.74		RX	#	-	± 0.00
Selenium	mg/L	05/21/1983	0001	0.40		RX	#	-	-
Silver	mg/L	05/21/1983	0001	0.14		RX	#	-	-
Sodium	mg/L	05/21/1983	0001	540.00		RX	#	-	-
Sulfate	mg/L	05/21/1983	0001	3620.00		RX	#	-	-

SURFACE WATER QUALITY DATA BY LOCATION (USEE102) FOR SITE DUR01, DURANGO MILL TAILINGS  
LOCATION: 0567 RESERVED MGILBERT, HIST/GECR, 10/87  
REPORT DATE: 12/13/2001 10:59 am

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Total Cyanide	mg/L	05/21/1983	0001	1.00	U	RX	#	1	-
Total Dissolved Solids	mg/L	05/21/1983	0001	7360.00		RX	#	-	-
Uranium-238	pCi/L	05/21/1983	0001	0.04		RX	#	-	± 0.00
Vanadium	mg/L	05/21/1983	0001	0.10		RX	#	-	-
Zinc	mg/L	05/21/1983	0001	0.31		RX	#	-	-

RECORDS: SELECTED FROM USEE102

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LAB QUALIFIERS:

- \* Replicate analysis not within control limits.
- + Correlation coefficient for MSA < 0.995.
- A TIC is a suspected aldol-condensation product.
- B Inorganic: Result is between the IDL and CRDL. Organic: Analyte also found in method blank.
- E Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
- Z Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- H Holding time expired, value suspect.
- I Increased detection limit due to required dilution.
- C Pesticide result confirmed by GC-MS.
- M GFAA duplicate injection precision not met.
- N Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC).
- S Result determined by method of standard addition (MSA).
- U Analytical result below detection limit.
- W Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
- D Analyte determined in diluted sample.
- P > 25% difference in detected pesticide or Arochlor concentrations between 2 columns.
- X Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- Y Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- > Result above upper detection limit.
- J Estimated

DATA QUALIFIERS:

- J Estimated value.
- G Possible grout contamination, pH > 9.
- R Unusable result.
- U Parameter analyzed for but was not detected.
- F Low flow sampling method used.
- L Less than 3 bore volumes purged prior to sampling.
- X Location is undefined.

QA QUALIFIER: # = validated according to Quality Assurance guidelines.



SURFACE WATER QUALITY DATA BY LOCATION (USEE102) FOR SITE DUR01, DURANGO MILL TAILINGS  
LOCATION: 0568 RESERVED MGILBERT, HIST/GEGR, 10/87  
REPORT DATE: 12/13/2001 10:59 am

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Aluminum	mg/L	10/21/1980	0001	0.89		RX	#	-	-
Arsenic	mg/L	10/21/1980	0001	0.012		RX	#	-	-
Barium	mg/L	10/21/1980	0001	0.01		RX	#	-	-
Bicarbonate	mg/L	10/21/1980	0001	152.00		RX	#	-	-
Boron	mg/L	10/21/1980	0001	0.44		RX	#	-	-
Cadmium	mg/L	10/21/1980	0001	0.008	U	RX	#	0.008	-
Calcium	mg/L	10/21/1980	0001	200.00		RX	#	-	-
Chloride	mg/L	10/21/1980	0001	10.00	U	RX	#	10	-
Chromium	mg/L	10/21/1980	0001	0.001	U	RX	#	0.001	-
Cobalt	mg/L	10/21/1980	0001	0.006	U	RX	#	0.006	-
Copper	mg/L	10/21/1980	0001	0.009		RX	#	-	-
Fluoride	mg/L	10/21/1980	0001	0.26		RX	#	-	-
Iron	mg/L	10/21/1980	0001	0.18		RX	#	-	-
Lead	mg/L	10/21/1980	0001	0.001	U	RX	#	0.001	-
Magnesium	mg/L	10/21/1980	0001	92.00		RX	#	-	-
Manganese	mg/L	10/21/1980	0001	0.021		RX	#	-	-
Mercury	mg/L	10/21/1980	0001	0.001	U	RX	#	0.001	-
Molybdenum	mg/L	10/21/1980	0001	0.035		RX	#	-	-
Nickel	mg/L	10/21/1980	0001	0.038		RX	#	-	-
Nitrate as NO3	mg/L	10/21/1980	0001	1.30		RX	#	-	-
pH	s.u.	10/21/1980	N001	7.80		RX	#	-	-
Potassium	mg/L	10/21/1980	0001	6.40		RX	#	-	-
Radium-226	pCi/L	10/21/1980	0001	2.45		RX	#	-	± 0.00
Selenium	mg/L	10/21/1980	0001	0.009		RX	#	-	-
Silver	mg/L	10/21/1980	0001	0.002	U	RX	#	0.002	-
Sodium	mg/L	10/21/1980	0001	100.00		RX	#	-	-
Specific Conductance	umhos/cm	10/21/1980	N001	1860.00		RX	#	-	-
Sulfate	mg/L	10/21/1980	0001	990.00		RX	#	-	-
Total Dissolved Solids	mg/L	10/21/1980	0001	1590.00		RX	#	-	-

SURFACE WATER QUALITY DATA BY LOCATION (USEE102) FOR SITE DUR01, DURANGO MILL TAILINGS  
LOCATION: 0568 RESERVED MGILBERT, HIST/GEGR, 10/87  
REPORT DATE: 12/13/2001 10:59 am

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Total Suspended Solids	mg/L	10/21/1980	0001	124.00		RX	#	-	-
Uranium	mg/L	10/21/1980	0001	0.027		RX	#	-	-
Vanadium	mg/L	10/21/1980	0001	0.003	U	RX	#	0.003	-

RECORDS: SELECTED FROM USEE102

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LAB QUALIFIERS:

- \* Replicate analysis not within control limits.
- + Correlation coefficient for MSA < 0.995.
- A TIC is a suspected aldol-condensation product.
- B Inorganic: Result is between the IDL and CRDL. Organic: Analyte also found in method blank.
- E Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
- Z Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- H Holding time expired, value suspect.
- I Increased detection limit due to required dilution.
- C Pesticide result confirmed by GC-MS.
- M GFAA duplicate injection precision not met.
- N Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC).
- S Result determined by method of standard addition (MSA).
- U Analytical result below detection limit.
- W Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
- D Analyte determined in diluted sample.
- P > 25% difference in detected pesticide or Arochlor concentrations between 2 columns.
- X Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- Y Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- > Result above upper detection limit.
- J Estimated

DATA QUALIFIERS:

- J Estimated value.
- G Possible grout contamination, pH > 9.
- R Unusable result.
- U Parameter analyzed for but was not detected.
- F Low flow sampling method used.
- L Less than 3 bore volumes purged prior to sampling.
- X Location is undefined.

QA QUALIFIER: # = validated according to Quality Assurance guidelines.

SURFACE WATER QUALITY DATA BY LOCATION (USEE102) FOR SITE DUR01, DURANGO MILL TAILINGS

LOCATION: 0583

REPORT DATE: 12/13/2001 10:59 am

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Alkalinity as CaCO3	mg/L	06/26/2000	0001	120			#	-	-
	mg/L	06/26/2000	N001	112			#	-	-
	mg/L	11/28/2000	0001	109			#	-	-
	mg/L	11/28/2000	N001	115			#	-	-
	mg/L	04/05/2001	0001	104			#	-	-
	mg/L	04/05/2001	N001	114			#	-	-
	mg/L	06/07/2001	0001	44			#	-	-
	mg/L	06/07/2001	N001	70			#	-	-
	mg/L	08/27/2001	0001	156			#	-	-
	mg/L	08/27/2001	N001	152			#	-	-
Ammonium	mg/L	06/26/2000	0001	0.0897	B		#	0.0047	-
	mg/L	11/28/2000	0001	0.0134	B		#	0.0047	-
	mg/L	04/05/2001	0001	0.0107	B		#	0.0062	-
	mg/L	06/07/2001	0001	0.0062	U		#	0.0062	-
	mg/L	08/27/2001	0001	0.011	B		#	0.0062	-
	mg/L	08/27/2001	N001	0.0139	B		#	0.0062	-
Antimony	mg/L	06/26/2000	0001	0.0002	U	U	#	0.0002	-
	mg/L	11/28/2000	0001	0.0003	U		#	0.0003	-
	mg/L	04/05/2001	0001	0.001	B	U	#	0.0003	-
	mg/L	06/07/2001	0001	0.0008	U		#	0.0008	-
	mg/L	08/27/2001	0001	0.0003	B	U	#	0.0002	-
	mg/L	08/27/2001	N001	0.00094	B	U	#	0.00022	-
Arsenic	mg/L	06/26/2000	0001	0.0003	U		#	0.0003	-
	mg/L	11/28/2000	0001	0.0002	U		#	0.0002	-
	mg/L	04/05/2001	0001	0.0005	U		#	0.0005	-
	mg/L	06/07/2001	0001	0.0005	U		#	0.0005	-
	mg/L	08/27/2001	0001	0.0005	U		#	0.0005	-
	mg/L	08/27/2001	N001	0.00075	B		#	0.00056	-
Cadmium	mg/L	06/26/2000	0001	0.00055	B	U	#	0.0002	-
	mg/L	11/28/2000	0001	0.0002	U		#	0.0002	-
	mg/L	04/05/2001	0001	0.0002	U		#	0.0002	-
	mg/L	06/07/2001	0001	0.0004	U		#	0.0004	-
	mg/L	08/27/2001	0001	0.0008	B	U	#	0.0003	-
	mg/L	08/27/2001	N001	0.00033	U		#	0.00033	-
Calcium	mg/L	06/26/2000	0001	56.700			#	0.0504	-

SURFACE WATER QUALITY DATA BY LOCATION (USEE102) FOR SITE DUR01, DURANGO MILL TAILINGS

LOCATION: 0583

REPORT DATE: 12/13/2001 10:59 am

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Calcium	mg/L	11/28/2000	0001	80.800			#	0.032	-
	mg/L	04/05/2001	0001	44.600			#	0.0642	-
	mg/L	06/07/2001	0001	24.400			#	0.0814	-
	mg/L	08/27/2001	0001	63.100			#	0.0814	-
	mg/L	08/27/2001	N001	66.100			#	0.09044	-
Chloride	mg/L	06/26/2000	0001	13.900			#	0.024	-
	mg/L	11/28/2000	0001	13.500			#	0.024	-
	mg/L	04/05/2001	0001	5.080			#	0.0149	-
	mg/L	06/07/2001	0001	2.410			#	0.0149	-
	mg/L	08/27/2001	0001	15.400			#	0.0149	-
	mg/L	08/27/2001	N001	15.200			#	0.0149	-
Chromium	mg/L	06/26/2000	0001	0.0035	U		#	0.0035	-
	mg/L	11/28/2000	0001	0.0059	U		#	0.0059	-
	mg/L	04/05/2001	0001	0.0008	U		#	0.0008	-
	mg/L	06/07/2001	0001	0.0008	U		#	0.0008	-
	mg/L	08/27/2001	0001	0.0008	U		#	0.0008	-
	mg/L	08/27/2001	N001	0.00089	U		#	0.00089	-
Copper	mg/L	06/26/2000	0001	0.004	U		#	0.004	-
	mg/L	11/28/2000	0001	0.0047	B		#	0.0025	-
	mg/L	04/05/2001	0001	0.0034	U		#	0.0034	-
	mg/L	06/07/2001	0001	0.0025	B		#	0.0003	-
	mg/L	08/27/2001	0001	0.0011	B	U	#	0.0003	-
	mg/L	08/27/2001	N001	0.0024	B	U	#	0.00033	-
Gross Alpha	pCi/L	06/26/2000	0001	2.26	U		#	2.26	± 1.46
	pCi/L	11/28/2000	0001	3.70	U		#	3.7	± 2.20
	pCi/L	04/05/2001	0001	3.49	U	J	#	3.49	± 1.86
	pCi/L	06/07/2001	0001	2.63	U		#	2.63	± 1.46
	pCi/L	08/27/2001	0001	3.62	U	J	#	3.62	± 1.94
	pCi/L	08/27/2001	N001	3.74	U	J	#	3.74	± 1.78
Gross Beta	pCi/L	06/26/2000	0001	3.39			#	3.1	± 1.94
	pCi/L	11/28/2000	0001	4.09			#	3.91	± 2.45
	pCi/L	04/05/2001	0001	4.68	U		#	4.68	± 2.72
	pCi/L	06/07/2001	0001	3.85	U		#	3.85	± 2.31
	pCi/L	08/27/2001	0001	3.94	U		#	3.94	± 2.44
	pCi/L	08/27/2001	N001	3.94	U		#	3.94	± 2.31

SURFACE WATER QUALITY DATA BY LOCATION (USEE102) FOR SITE DUR01, DURANGO MILL TAILINGS

LOCATION: 0583

REPORT DATE: 12/13/2001 10:59 am

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Iron	mg/L	06/26/2000	0001	0.0091	U		#	0.0091	-
	mg/L	11/28/2000	0001	0.0111	B	U	#	0.011	-
	mg/L	04/05/2001	0001	0.0632			#	0.001	-
	mg/L	06/07/2001	0001	0.0321			#	0.0008	-
	mg/L	08/27/2001	0001	0.0052	B	U	#	0.0008	-
	mg/L	08/27/2001	N001	0.664	*	J	#	0.00089	-
Lead	mg/L	06/26/2000	0001	0.0001	U		#	0.0001	-
	mg/L	11/28/2000	0001	0.0001	U		#	0.0001	-
	mg/L	04/05/2001	0001	0.0003	B	U	#	0.0001	-
	mg/L	06/07/2001	0001	0.00062	B	U	#	0.0001	-
	mg/L	08/27/2001	0001	0.0001	U		#	0.0001	-
	mg/L	08/27/2001	N001	0.0017	B	U	#	0.00011	-
Lead-210	pCi/L	06/26/2000	0001	1.21	U		#	1.21	± 0.70
	pCi/L	11/28/2000	0001	1.16	U		#	1.16	± 0.66
	pCi/L	04/05/2001	0001	1.23	U		#	1.23	± 0.70
	pCi/L	06/07/2001	0001	1.14	U		#	1.14	± 0.63
	pCi/L	08/27/2001	0001	1.3	U		#	1.3	± 0.76
	pCi/L	08/27/2001	N001	1.35	U		#	1.35	± 0.79
Magnesium	mg/L	06/26/2000	0001	10.200			#	0.024	-
	mg/L	11/28/2000	0001	13.400			#	0.0471	-
	mg/L	04/05/2001	0001	13.900			#	0.0031	-
	mg/L	06/07/2001	0001	4.200			#	0.0034	-
	mg/L	08/27/2001	0001	12.700			#	0.0034	-
	mg/L	08/27/2001	N001	13.200			#	0.00378	-
Manganese	mg/L	06/26/2000	0001	0.0628			#	0.0015	-
	mg/L	11/28/2000	0001	0.158			#	0.003	-
	mg/L	04/05/2001	0001	0.0215			#	0.0001	-
	mg/L	06/07/2001	0001	0.0464			#	0.0001	-
	mg/L	08/27/2001	0001	0.0497			#	0.0001	-
	mg/L	08/27/2001	N001	0.0635			#	0.00011	-
Molybdenum	mg/L	06/26/2000	0001	0.0008	U		#	0.0008	-
	mg/L	11/28/2000	0001	0.001	B		#	0.0003	-
	mg/L	04/05/2001	0001	0.0011	B	U	#	0.0004	-
	mg/L	06/07/2001	0001	0.003	U		#	0.003	-
	mg/L	08/27/2001	0001	0.003	U		#	0.003	-

SURFACE WATER QUALITY DATA BY LOCATION (USEE102) FOR SITE DUR01, DURANGO MILL TAILINGS

LOCATION: 0583

REPORT DATE: 12/13/2001 10:59 am

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Molybdenum	mg/L	08/27/2001	N001	0.0033	U		#	0.00333	-
Nitrate as NO3	mg/L	06/26/2000	0001	0.738	B		#	0.0314	-
	mg/L	11/28/2000	0001	0.747	B		#	0.0314	-
	mg/L	04/05/2001	0001	1.280			#	0.0171	-
	mg/L	06/07/2001	0001	0.490	B		#	0.0171	-
	mg/L	08/27/2001	0001	0.376	B		#	0.0305	-
	mg/L	08/27/2001	N001	0.371	B		#	0.0305	-
ORP of Zobell Solution	mV	06/26/2000	N001	220			#	-	-
	mV	11/28/2000	N001	249			#	-	-
	mV	04/05/2001	N001	238			#	-	-
	mV	06/07/2001	N001	235			#	-	-
	mV	08/27/2001	N001	225			#	-	-
Oxidation Reduction Potent	mV	06/26/2000	N001	72			#	-	-
	mV	11/28/2000	N001	168			#	-	-
	mV	04/05/2001	N001	70			#	-	-
	mV	06/07/2001	N001	157			#	-	-
	mV	08/27/2001	N001	70			#	-	-
pH	s.u.	06/26/2000	N001	7.77			#	-	-
	s.u.	11/28/2000	N001	7.8			#	-	-
	s.u.	04/05/2001	N001	8.15			#	-	-
	s.u.	06/07/2001	N001	7.75			#	-	-
	s.u.	08/27/2001	N001	8.23			#	-	-
Polonium-210	pCi/L	06/26/2000	0001	0.05	U		#	0.05	± 0.06
	pCi/L	11/28/2000	0001	0.07	B	U	#	0.06	± 0.08
	pCi/L	04/05/2001	0001	0.11	U		#	0.11	± 0.05
	pCi/L	06/07/2001	0001	0.19	U		#	0.19	± 0.08
	pCi/L	08/27/2001	0001	0.11	U		#	0.11	± 0.05
	pCi/L	08/27/2001	N001	0.1			#	0.05	± 0.04
Potassium	mg/L	06/26/2000	0001	2.200			#	0.0456	-
	mg/L	11/28/2000	0001	2.580			#	0.0359	-
	mg/L	04/05/2001	0001	1.830			#	0.0091	-
	mg/L	06/07/2001	0001	0.758			#	0.0088	-
	mg/L	08/27/2001	0001	2.470			#	0.0088	-
	mg/L	08/27/2001	N001	2.580			#	0.00978	-
Radium-226	pCi/L	06/26/2000	0001	0.13	U		#	0.13	± 0.07

SURFACE WATER QUALITY DATA BY LOCATION (USEE102) FOR SITE DUR01, DURANGO MILL TAILINGS

LOCATION: 0583

REPORT DATE: 12/13/2001 10:59 am

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Radium-226	pCi/L	11/28/2000	0001	0.15	U		#	0.15	± 0.08
	pCi/L	04/05/2001	0001	0.13	U		#	0.13	± 0.07
	pCi/L	06/07/2001	0001	0.1	U		#	0.1	± 0.06
	pCi/L	08/27/2001	0001	0.17			#	0.1	± 0.07
	pCi/L	08/27/2001	N001	0.16			#	0.11	± 0.07
Radium-228	pCi/L	06/26/2000	0001	0.70	U		#	0.7	± 0.40
	pCi/L	11/28/2000	0001	0.78	U		#	0.78	± 0.46
	pCi/L	04/05/2001	0001	0.97	U		#	0.97	± 0.56
	pCi/L	06/07/2001	0001	0.91	U		#	0.91	± 0.52
	pCi/L	08/27/2001	0001	0.94	U		#	0.94	± 0.54
	pCi/L	08/27/2001	N001	0.98	U		#	0.98	± 0.58
Selenium	mg/L	06/26/2000	0001	0.0015	U		#	0.0015	-
	mg/L	11/28/2000	0001	0.00032	B		#	0.0001	-
	mg/L	04/05/2001	0001	0.00058	B	U	#	0.0003	-
	mg/L	06/07/2001	0001	0.0003	U		#	0.0003	-
	mg/L	08/27/2001	0001	0.0003	U		#	0.0003	-
	mg/L	08/27/2001	N001	0.00033	U		#	0.00033	-
Sodium	mg/L	06/26/2000	0001	14.600			#	0.434	-
	mg/L	11/28/2000	0001	16.500			#	0.525	-
	mg/L	04/05/2001	0001	10.500			#	0.0052	-
	mg/L	06/07/2001	0001	3.620			#	0.0085	-
	mg/L	08/27/2001	0001	16.800			#	0.0085	-
	mg/L	08/27/2001	N001	15.500			#	0.00944	-
Specific Conductance	umhos/cm	06/26/2000	N001	431			#	-	-
	umhos/cm	11/28/2000	N001	564			#	-	-
	umhos/cm	04/05/2001	N001	4050			#	-	-
	umhos/cm	06/07/2001	N001	187			#	-	-
	umhos/cm	08/27/2001	N001	523			#	-	-
Sulfate	mg/L	06/26/2000	0001	82.200			#	0.0589	-
	mg/L	11/28/2000	0001	146.000			#	0.0589	-
	mg/L	04/05/2001	0001	66.800			#	0.0253	-
	mg/L	06/07/2001	0001	30.700			#	0.0253	-
	mg/L	08/27/2001	0001	116.000			#	0.0253	-
	mg/L	08/27/2001	N001	113.000			#	0.0253	-
Temperature	C	06/26/2000	N001	16			#	-	-

SURFACE WATER QUALITY DATA BY LOCATION (USEE102) FOR SITE DUR01, DURANGO MILL TAILINGS

LOCATION: 0583

REPORT DATE: 12/13/2001 10:59 am

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Temperature	C	11/28/2000	N001	4.8			#	-	-
	C	04/05/2001	N001	5.1			#	-	-
	C	06/07/2001	N001	10.8			#	-	-
	C	08/27/2001	N001	19.8			#	-	-
Temperature of Zobell Solu	C	06/26/2000	N001	19.7			#	-	-
	C	11/28/2000	N001	11.9			#	-	-
	C	04/05/2001	N001	8.4			#	-	-
	C	06/07/2001	N001	14.6			#	-	-
	C	08/27/2001	N001	20.6			#	-	-
Thallium	mg/L	06/26/2000	0001	0.0001	U		#	0.0001	-
	mg/L	11/28/2000	0001	0.0001	U		#	0.0001	-
	mg/L	04/05/2001	0001	0.0001	U		#	0.0001	-
	mg/L	06/07/2001	0001	0.00019	BE	UJ	#	-	-
	mg/L	08/27/2001	0001	0.0001	U		#	0.0001	-
	mg/L	08/27/2001	N001	0.00011	U		#	0.00011	-
Thorium-230	pCi/L	06/26/2000	0001	2.6	U		#	2.6	-
	pCi/L	11/28/2000	0001	1.7	U		#	1.72	-
	pCi/L	04/05/2001	0001	0.92	U		#	0.92	-
	pCi/L	06/07/2001	0001	1.5	U		#	1.48	-
	pCi/L	08/27/2001	0001	1.5	U		#	1.48	-
	pCi/L	08/27/2001	N001	2.5	B	U	#	1.6444	-
Total Dissolved Solids	mg/L	06/26/2000	0001	290			#	10	-
	mg/L	11/28/2000	0001	365			#	10	-
	mg/L	04/05/2001	0001	250			#	10	-
	mg/L	06/07/2001	0001	137			#	10	-
	mg/L	08/27/2001	0001	335			#	10	-
	mg/L	08/27/2001	N001	325			#	10	-
Turbidity	NTU	06/07/2001	N001	21.1			#	-	-
Uranium	mg/L	06/26/2000	0001	0.00063	B		#	0.0001	-
	mg/L	11/28/2000	0001	0.0013			#	0.0001	-
	mg/L	04/05/2001	0001	0.0013		U	#	0.0001	-
	mg/L	06/07/2001	0001	0.0006	B	U	#	0.0001	-
	mg/L	08/27/2001	0001	0.0009	B		#	0.0001	-
	mg/L	08/27/2001	N001	0.001	B		#	0.00011	-
Uranium-234	pCi/L	04/05/2001	0001	0.56	B	UJ	#	0.4	-



SURFACE WATER QUALITY DATA BY LOCATION (USEE102) FOR SITE DUR01, DURANGO MILL TAILINGS

LOCATION: 0583

REPORT DATE: 12/13/2001 10:59 am

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Uranium-238	pCi/L	04/05/2001	0001	0.45	B		#	0.1	-
Vanadium	mg/L	06/26/2000	0001	0.0013	U		#	0.0013	-
	mg/L	11/28/2000	0001	0.0015	U		#	0.0015	-
	mg/L	04/05/2001	0001	0.0004	U		#	0.0004	-
	mg/L	06/07/2001	0001	0.0003	U		#	0.0003	-
	mg/L	08/27/2001	0001	0.0003	U		#	0.0003	-
	mg/L	08/27/2001	N001	0.0022	B		#	0.00033	-
Zinc	mg/L	06/26/2000	0001	0.0369	B		#	0.0127	-
	mg/L	11/28/2000	0001	0.0669			#	0.0102	-
	mg/L	04/05/2001	0001	0.0193	B		#	0.0095	-
	mg/L	06/07/2001	0001	0.0542			#	0.0073	-
	mg/L	08/27/2001	0001	0.0262	B		#	0.0073	-
	mg/L	08/27/2001	N001	0.0462	B		#	0.00811	-

RECORDS: SELECTED FROM USEE102

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LAB QUALIFIERS:

- \* Replicate analysis not within control limits.
- + Correlation coefficient for MSA < 0.995.
- A TIC is a suspected aldol-condensation product.
- B Inorganic: Result is between the IDL and CRDL. Organic: Analyte also found in method blank.
- E Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
- Z Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- H Holding time expired, value suspect.
- I Increased detection limit due to required dilution.
- C Pesticide result confirmed by GC-MS.
- M GFAA duplicate injection precision not met.
- N Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC).
- S Result determined by method of standard addition (MSA).
- U Analytical result below detection limit.
- W Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
- D Analyte determined in diluted sample.
- P > 25% difference in detected pesticide or Arochlor concentrations between 2 columns.
- X Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- Y Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- > Result above upper detection limit.
- J Estimated

DATA QUALIFIERS:

- J Estimated value.
- G Possible grout contamination, pH > 9.
- R Unusable result.
- U Parameter analyzed for but was not detected.
- F Low flow sampling method used.
- L Less than 3 bore volumes purged prior to sampling.
- X Location is undefined.

QA QUALIFIER: # = validated according to Quality Assurance guidelines.

SURFACE WATER QUALITY DATA BY LOCATION (USEE102) FOR SITE DUR01, DURANGO MILL TAILINGS

LOCATION: 0584

REPORT DATE: 12/13/2001 10:59 am

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Alkalinity as CaCO3	mg/L	06/26/2000	0001	89			#	-	-
	mg/L	06/26/2000	N001	101			#	-	-
	mg/L	11/29/2000	0001	98			#	-	-
	mg/L	11/29/2000	N001	102			#	-	-
	mg/L	04/05/2001	0001	90			#	-	-
	mg/L	04/05/2001	N001	88			#	-	-
	mg/L	06/07/2001	0001	34			#	-	-
	mg/L	06/07/2001	N001	46			#	-	-
	mg/L	08/23/2001	0001	85			#	-	-
	mg/L	08/23/2001	N001	85			#	-	-
Ammonium	mg/L	06/26/2000	0001	0.490			#	0.0047	-
	mg/L	11/29/2000	0001	0.0132	B		#	0.0047	-
	mg/L	04/05/2001	0001	0.0062	U		#	0.0062	-
	mg/L	06/07/2001	0001	0.0062	U		#	0.0062	-
	mg/L	08/23/2001	0001	0.0118	B		#	0.0062	-
	mg/L	08/23/2001	N001	0.0084	B		#	0.0062	-
Antimony	mg/L	06/26/2000	0001	0.0002	U	U	#	0.0002	-
	mg/L	11/29/2000	0001	0.0003	U		#	0.0003	-
	mg/L	04/05/2001	0001	0.00091	B	U	#	0.0003	-
	mg/L	06/07/2001	0001	0.0008	U		#	0.0008	-
	mg/L	08/23/2001	0001	0.00026	B	U	#	0.0002	-
	mg/L	08/23/2001	N001	0.0011	B	U	#	0.00022	-
Arsenic	mg/L	06/26/2000	0001	0.0003	U		#	0.0003	-
	mg/L	11/29/2000	0001	0.0002	U		#	0.0002	-
	mg/L	04/05/2001	0001	0.0005	U		#	0.0005	-
	mg/L	06/07/2001	0001	0.0005	U		#	0.0005	-
	mg/L	08/23/2001	0001	0.0005	U		#	0.0005	-
	mg/L	08/23/2001	N001	0.00076	B		#	0.00056	-
Cadmium	mg/L	06/26/2000	0001	0.00049	B	U	#	0.0002	-
	mg/L	11/29/2000	0001	0.00022	B		#	0.0002	-
	mg/L	04/05/2001	0001	0.00021	B		#	0.0002	-
	mg/L	06/07/2001	0001	0.0004	B		#	0.0004	-
	mg/L	08/23/2001	0001	0.00087	B	U	#	0.0003	-
	mg/L	08/23/2001	N001	0.00033	U		#	0.00033	-
Calcium	mg/L	06/26/2000	0001	55.300			#	0.0504	-

SURFACE WATER QUALITY DATA BY LOCATION (USEE102) FOR SITE DUR01, DURANGO MILL TAILINGS

LOCATION: 0584

REPORT DATE: 12/13/2001 10:59 am

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Calcium	mg/L	11/29/2000	0001	75.300			#	0.032	-
	mg/L	04/05/2001	0001	45.900			#	0.0642	-
	mg/L	06/07/2001	0001	22.100			#	0.0814	-
	mg/L	08/23/2001	0001	53.200			#	0.0814	-
	mg/L	08/23/2001	N001	54.600			#	0.09044	-
Chloride	mg/L	06/26/2000	0001	14.400			#	0.024	-
	mg/L	11/29/2000	0001	14.300			#	0.024	-
	mg/L	04/05/2001	0001	5.910			#	0.0149	-
	mg/L	06/07/2001	0001	2.290			#	0.0149	-
	mg/L	08/23/2001	0001	11.300			#	0.0149	-
	mg/L	08/23/2001	N001	11.400			#	0.0149	-
Chromium	mg/L	06/26/2000	0001	0.0035	U		#	0.0035	-
	mg/L	11/29/2000	0001	0.0059	U		#	0.0059	-
	mg/L	04/05/2001	0001	0.0008	U		#	0.0008	-
	mg/L	06/07/2001	0001	0.0008	U		#	0.0008	-
	mg/L	08/23/2001	0001	0.0008	U		#	0.0008	-
	mg/L	08/23/2001	N001	0.00089	U		#	0.00089	-
Copper	mg/L	06/26/2000	0001	0.004	U		#	0.004	-
	mg/L	11/29/2000	0001	0.0025	U		#	0.0025	-
	mg/L	04/05/2001	0001	0.0034	U		#	0.0034	-
	mg/L	06/07/2001	0001	0.0027	B		#	0.0003	-
	mg/L	08/23/2001	0001	0.0015	B	U	#	0.0003	-
	mg/L	08/23/2001	N001	0.0041	B		#	0.00033	-
Gross Alpha	pCi/L	06/26/2000	0001	2.17	U		#	2.17	± 1.14
	pCi/L	11/29/2000	0001	3.46	U	J	#	3.46	± 1.86
	pCi/L	04/05/2001	0001	3.41	U	J	#	3.41	± 1.80
	pCi/L	06/07/2001	0001	2.57	U		#	2.57	± 1.28
	pCi/L	08/23/2001	0001	3.29	U	J	#	3.29	± 1.81
	pCi/L	08/23/2001	N001	3.43	U	J	#	3.43	± 1.84
Gross Beta	pCi/L	06/26/2000	0001	3.08	U		#	3.08	± 1.91
	pCi/L	11/29/2000	0001	3.88	U		#	3.88	± 2.38
	pCi/L	04/05/2001	0001	4.67	U		#	4.67	± 2.56
	pCi/L	06/07/2001	0001	3.84	U		#	3.84	± 2.21
	pCi/L	08/23/2001	0001	3.92	U		#	3.92	± 2.29
	pCi/L	08/23/2001	N001	3.93	U		#	3.93	± 2.35

SURFACE WATER QUALITY DATA BY LOCATION (USEE102) FOR SITE DUR01, DURANGO MILL TAILINGS

LOCATION: 0584

REPORT DATE: 12/13/2001 10:59 am

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Iron	mg/L	06/26/2000	0001	0.0091	U		#	0.0091	-
	mg/L	11/29/2000	0001	0.0142	B	U	#	0.011	-
	mg/L	04/05/2001	0001	0.0129	B		#	0.001	-
	mg/L	06/07/2001	0001	0.0296	B		#	0.0008	-
	mg/L	08/23/2001	0001	0.0032	B	U	#	0.0008	-
	mg/L	08/23/2001	N001	0.475	*	J	#	0.00089	-
Lead	mg/L	06/26/2000	0001	0.0001	U		#	0.0001	-
	mg/L	11/29/2000	0001	0.0001	U		#	0.0001	-
	mg/L	04/05/2001	0001	0.00021	B	U	#	0.0001	-
	mg/L	06/07/2001	0001	0.00063	B	U	#	0.0001	-
	mg/L	08/23/2001	0001	0.0001	U		#	0.0001	-
	mg/L	08/23/2001	N001	0.0031	B	U	#	0.00011	-
Lead-210	pCi/L	06/26/2000	0001	1.21	U		#	1.21	± 0.69
	pCi/L	11/29/2000	0001	1.11	U		#	1.11	± 0.64
	pCi/L	04/05/2001	0001	1.37	U		#	1.37	± 0.79
	pCi/L	06/07/2001	0001	1.16	U		#	1.16	± 0.67
	pCi/L	08/23/2001	0001	1.29	U		#	1.29	± 0.74
	pCi/L	08/23/2001	N001	1.31	U		#	1.31	± 0.73
Magnesium	mg/L	06/26/2000	0001	8.180			#	0.024	-
	mg/L	11/29/2000	0001	10.900			#	0.0471	-
	mg/L	04/05/2001	0001	10.400			#	0.0031	-
	mg/L	06/07/2001	0001	3.260			#	0.0034	-
	mg/L	08/23/2001	0001	7.540			#	0.0034	-
	mg/L	08/23/2001	N001	7.630			#	0.00378	-
Manganese	mg/L	06/26/2000	0001	0.0721			#	0.0015	-
	mg/L	11/29/2000	0001	0.142			#	0.003	-
	mg/L	04/05/2001	0001	0.0479			#	0.0001	-
	mg/L	06/07/2001	0001	0.0503			#	0.0001	-
	mg/L	08/23/2001	0001	0.0609			#	0.0001	-
	mg/L	08/23/2001	N001	0.0844			#	0.00011	-
Molybdenum	mg/L	06/26/2000	0001	0.0008	U		#	0.0008	-
	mg/L	11/29/2000	0001	0.00096	B		#	0.0003	-
	mg/L	04/05/2001	0001	0.00092	B	U	#	0.0004	-
	mg/L	06/07/2001	0001	0.003	U		#	0.003	-
	mg/L	08/23/2001	0001	0.003	U		#	0.003	-

SURFACE WATER QUALITY DATA BY LOCATION (USEE102) FOR SITE DUR01, DURANGO MILL TAILINGS

LOCATION: 0584

REPORT DATE: 12/13/2001 10:59 am

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Molybdenum	mg/L	08/23/2001	N001	0.0033	U		#	0.00333	-
Nitrate as NO3	mg/L	06/26/2000	0001	0.561	B		#	0.0314	-
	mg/L	11/29/2000	0001	0.668	B		#	0.0314	-
	mg/L	04/05/2001	0001	1.120			#	0.0171	-
	mg/L	06/07/2001	0001	0.476	B		#	0.0171	-
	mg/L	08/23/2001	0001	0.361	B		#	0.0305	-
	mg/L	08/23/2001	N001	0.354	B		#	0.0305	-
ORP of Zobell Solution	mV	06/26/2000	N001	226			#	-	-
	mV	11/29/2000	N001	243			#	-	-
	mV	04/05/2001	N001	240			#	-	-
	mV	06/07/2001	N001	239			#	-	-
	mV	08/23/2001	N001	238			#	-	-
Oxidation Reduction Potent	mV	06/26/2000	N001	64			#	-	-
	mV	11/29/2000	N001	107			#	-	-
	mV	04/05/2001	N001	35			#	-	-
	mV	06/07/2001	N001	172			#	-	-
	mV	08/23/2001	N001	129			#	-	-
pH	s.u.	06/26/2000	N001	7.78			#	-	-
	s.u.	11/29/2000	N001	7.72			#	-	-
	s.u.	04/05/2001	N001	8			#	-	-
	s.u.	06/07/2001	N001	8.04			#	-	-
	s.u.	08/23/2001	N001	7.71			#	-	-
Polonium-210	pCi/L	06/26/2000	0001	0.07	U		#	0.07	± 0.09
	pCi/L	11/29/2000	0001	0.06	U		#	0.06	± 0.07
	pCi/L	04/05/2001	0001	0.06	U		#	0.06	± 0.03
	pCi/L	06/07/2001	0001	0.27	U		#	0.27	± 0.12
	pCi/L	08/23/2001	0001	0.05	U		#	0.05	± 0.03
	pCi/L	08/23/2001	N001	0.09			#	0.07	± 0.04
Potassium	mg/L	06/26/2000	0001	2.240			#	0.0456	-
	mg/L	11/29/2000	0001	2.470			#	0.0359	-
	mg/L	04/05/2001	0001	1.700			#	0.0091	-
	mg/L	06/07/2001	0001	0.711			#	0.0088	-
	mg/L	08/23/2001	0001	1.880			#	0.0088	-
	mg/L	08/23/2001	N001	1.970			#	0.00978	-
Radium-226	pCi/L	06/26/2000	0001	0.13	U		#	0.13	± 0.08

SURFACE WATER QUALITY DATA BY LOCATION (USEE102) FOR SITE DUR01, DURANGO MILL TAILINGS

LOCATION: 0584

REPORT DATE: 12/13/2001 10:59 am

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Radium-226	pCi/L	11/29/2000	0001	0.14	U		#	0.14	± 0.08
	pCi/L	04/05/2001	0001	0.12	U		#	0.12	± 0.07
	pCi/L	06/07/2001	0001	0.11	U		#	0.11	± 0.07
	pCi/L	08/23/2001	0001	0.12			#	0.1	± 0.07
	pCi/L	08/23/2001	N001	0.11			#	0.09	± 0.06
Radium-228	pCi/L	06/26/2000	0001	0.73	U		#	0.73	± 0.43
	pCi/L	11/29/2000	0001	0.72	U		#	0.72	± 0.43
	pCi/L	04/05/2001	0001	0.95	U		#	0.95	± 0.55
	pCi/L	06/07/2001	0001	1	U		#	1	± 0.58
	pCi/L	08/23/2001	0001	0.79	U		#	0.79	± 0.46
	pCi/L	08/23/2001	N001	0.82	U		#	0.82	± 0.48
Selenium	mg/L	06/26/2000	0001	0.0015	U		#	0.0015	-
	mg/L	11/29/2000	0001	0.00023	B		#	0.0001	-
	mg/L	04/05/2001	0001	0.0003	U		#	0.0003	-
	mg/L	06/07/2001	0001	0.0003	U		#	0.0003	-
	mg/L	08/23/2001	0001	0.00034	B		#	0.0003	-
	mg/L	08/23/2001	N001	0.00033	U		#	0.00033	-
Sodium	mg/L	06/26/2000	0001	14.700			#	0.434	-
	mg/L	11/29/2000	0001	15.600			#	0.525	-
	mg/L	04/05/2001	0001	8.860			#	0.0052	-
	mg/L	06/07/2001	0001	3.180			#	0.0085	-
	mg/L	08/23/2001	0001	10.100			#	0.0085	-
	mg/L	08/23/2001	N001	10.300			#	0.00944	-
Specific Conductance	umhos/cm	06/26/2000	N001	410			#	-	-
	umhos/cm	11/29/2000	N001	548			#	-	-
	umhos/cm	04/05/2001	N001	385			#	-	-
	umhos/cm	06/07/2001	N001	171			#	-	-
	umhos/cm	08/23/2001	N001	418			#	-	-
Sulfate	mg/L	06/26/2000	0001	79.200			#	0.0589	-
	mg/L	11/29/2000	0001	144.000			#	0.0589	-
	mg/L	04/05/2001	0001	67.900			#	0.0253	-
	mg/L	06/07/2001	0001	29.000			#	0.0253	-
	mg/L	08/23/2001	0001	92.900			#	0.0253	-
	mg/L	08/23/2001	N001	93.000			#	0.0253	-
Temperature	C	06/26/2000	N001	15.9			#	-	-

SURFACE WATER QUALITY DATA BY LOCATION (USEE102) FOR SITE DUR01, DURANGO MILL TAILINGS

LOCATION: 0584

REPORT DATE: 12/13/2001 10:59 am

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Temperature	C	11/29/2000	N001	5.1			#	-	-
	C	04/05/2001	N001	6.1			#	-	-
	C	06/07/2001	N001	10.4			#	-	-
	C	08/23/2001	N001	15.9			#	-	-
Temperature of Zobell Solu	C	06/26/2000	N001	16.5			#	-	-
	C	11/29/2000	N001	13.8			#	-	-
	C	04/05/2001	N001	9.2			#	-	-
	C	06/07/2001	N001	13.5			#	-	-
	C	08/23/2001	N001	14.1			#	-	-
Thallium	mg/L	06/26/2000	0001	0.0001	U		#	0.0001	-
	mg/L	11/29/2000	0001	0.0001	U		#	0.0001	-
	mg/L	04/05/2001	0001	0.00011	B	U	#	0.0001	-
	mg/L	06/07/2001	0001	0.00019	BE	UJ	#	-	-
	mg/L	08/23/2001	0001	0.0001	U		#	0.0001	-
	mg/L	08/23/2001	N001	0.00011	U		#	0.00011	-
Thorium-230	pCi/L	06/26/2000	0001	2.6	U		#	2.6	-
	pCi/L	11/29/2000	0001	1.7	U		#	1.72	-
	pCi/L	04/05/2001	0001	0.92	U		#	0.92	-
	pCi/L	06/07/2001	0001	1.5	U		#	1.48	-
	pCi/L	08/23/2001	0001	1.5	U		#	1.48	-
	pCi/L	08/23/2001	N001	1.8	B		#	1.6444	-
Total Dissolved Solids	mg/L	06/26/2000	0001	282			#	10	-
	mg/L	11/29/2000	0001	335			#	10	-
	mg/L	04/05/2001	0001	230			#	10	-
	mg/L	06/07/2001	0001	137			#	10	-
	mg/L	08/23/2001	0001	242			#	10	-
	mg/L	08/23/2001	N001	255			#	10	-
Turbidity	NTU	06/07/2001	N001	20.7			#	-	-
	NTU	08/23/2001	N001	7.7			#	-	-
Uranium	mg/L	06/26/2000	0001	0.00042	B		#	0.0001	-
	mg/L	11/29/2000	0001	0.00096	B	U	#	0.0001	-
	mg/L	04/05/2001	0001	0.0011		U	#	0.0001	-
	mg/L	06/07/2001	0001	0.00055	B	U	#	0.0001	-
	mg/L	08/23/2001	0001	0.00065	B		#	0.0001	-
	mg/L	08/23/2001	N001	0.00082	B		#	0.00011	-

SURFACE WATER QUALITY DATA BY LOCATION (USEE102) FOR SITE DUR01, DURANGO MILL TAILINGS

LOCATION: 0584

REPORT DATE: 12/13/2001 10:59 am

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Uranium-234	pCi/L	04/05/2001	0001	0.82		UJ	#	0.4	-
Uranium-238	pCi/L	04/05/2001	0001	0.35	B		#	0.1	-
Vanadium	mg/L	06/26/2000	0001	0.0013	U		#	0.0013	-
	mg/L	11/29/2000	0001	0.0015	U		#	0.0015	-
	mg/L	04/05/2001	0001	0.0004	U		#	0.0004	-
	mg/L	06/07/2001	0001	0.0003	U		#	0.0003	-
	mg/L	08/23/2001	0001	0.0003	U		#	0.0003	-
	mg/L	08/23/2001	N001	0.00074	B		#	0.00033	-
Zinc	mg/L	06/26/2000	0001	0.0627			#	0.0127	-
	mg/L	11/29/2000	0001	0.0683			#	0.0102	-
	mg/L	04/05/2001	0001	0.0234	B		#	0.0095	-
	mg/L	06/07/2001	0001	0.0565			#	0.0073	-
	mg/L	08/23/2001	0001	0.0433	B		#	0.0073	-
	mg/L	08/23/2001	N001	0.0709			#	0.00811	-

RECORDS: SELECTED FROM USEE102

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LAB QUALIFIERS:

- \* Replicate analysis not within control limits.
- + Correlation coefficient for MSA < 0.995.
- A TIC is a suspected aldol-condensation product.
- B Inorganic: Result is between the IDL and CRDL. Organic: Analyte also found in method blank.
- E Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
- Z Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- H Holding time expired, value suspect.
- I Increased detection limit due to required dilution.
- C Pesticide result confirmed by GC-MS.
- M GFAA duplicate injection precision not met.
- N Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC).
- S Result determined by method of standard addition (MSA).
- U Analytical result below detection limit.
- W Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
- D Analyte determined in diluted sample.
- P > 25% difference in detected pesticide or Arochlor concentrations between 2 columns.
- X Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- Y Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- > Result above upper detection limit.
- J Estimated

DATA QUALIFIERS:

- J Estimated value.
- G Possible grout contamination, pH > 9.
- R Unusable result.
- U Parameter analyzed for but was not detected.
- F Low flow sampling method used.
- L Less than 3 bore volumes purged prior to sampling.
- X Location is undefined.

QA QUALIFIER: # = validated according to Quality Assurance guidelines.



SURFACE WATER QUALITY DATA BY LOCATION (USEE102) FOR SITE DUR01, DURANGO MILL TAILINGS

LOCATION: 0586

REPORT DATE: 12/13/2001 10:59 am

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Alkalinity as CaCO3	mg/L	06/20/2000	0001	92				#	-
	mg/L	06/20/2000	N001	71				#	-
	mg/L	11/29/2000	0001	102				#	-
	mg/L	11/29/2000	N001	108				#	-
	mg/L	04/05/2001	0001	87				#	-
	mg/L	04/05/2001	N001	92				#	-
	mg/L	06/11/2001	0001	36				#	-
	mg/L	06/11/2001	N001	59				#	-
	mg/L	08/24/2001	0001	85				#	-
	mg/L	08/24/2001	N001	92				#	-
Ammonium	mg/L	06/20/2000	0001	0.0145	B			#	0.0047
	mg/L	11/29/2000	0001	0.019	B			#	0.0047
	mg/L	04/05/2001	0001	0.0062	U			#	0.0062
	mg/L	06/11/2001	0001	0.0062	U			#	0.0062
	mg/L	08/24/2001	0001	0.0091	B			#	0.0062
	mg/L	08/24/2001	N001	0.0139	B			#	0.0062
Antimony	mg/L	06/20/2000	0001	0.0006	B	U		#	0.0002
	mg/L	11/29/2000	0001	0.0003	U			#	0.0003
	mg/L	04/05/2001	0001	0.00094	B	U		#	0.0003
	mg/L	06/11/2001	0001	0.0008	U			#	0.0008
	mg/L	08/24/2001	0001	0.0003	B	U		#	0.0002
	mg/L	08/24/2001	N001	0.0012	B	U		#	0.00022
Arsenic	mg/L	06/20/2000	0001	0.0003	U			#	0.0003
	mg/L	11/29/2000	0001	0.0002	U			#	0.0002
	mg/L	04/05/2001	0001	0.0005	U			#	0.0005
	mg/L	06/11/2001	0001	0.0005	U			#	0.0005
	mg/L	08/24/2001	0001	0.0005	U			#	0.0005
	mg/L	08/24/2001	N001	0.00088	B			#	0.00056
Cadmium	mg/L	06/20/2000	0001	0.001		U		#	0.0002
	mg/L	11/29/2000	0001	0.0002	U			#	0.0002
	mg/L	04/05/2001	0001	0.00029	B			#	0.0002
	mg/L	06/11/2001	0001	0.0004	U			#	0.0004
	mg/L	08/24/2001	0001	0.00084	B	U		#	0.0003
	mg/L	08/24/2001	N001	0.00033	U			#	0.00033
Calcium	mg/L	06/20/2000	0001	46.500				#	0.0504

SURFACE WATER QUALITY DATA BY LOCATION (USEE102) FOR SITE DUR01, DURANGO MILL TAILINGS

LOCATION: 0586

REPORT DATE: 12/13/2001 10:59 am

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Calcium	mg/L	11/29/2000	0001	79.800			#	0.032	-
	mg/L	04/05/2001	0001	55.500			#	0.0642	-
	mg/L	06/11/2001	0001	22.500			#	0.0814	-
	mg/L	08/24/2001	0001	54.400			#	0.0814	-
	mg/L	08/24/2001	N001	55.800			#	0.09044	-
Chloride	mg/L	06/20/2000	0001	10.900			#	0.024	-
	mg/L	11/29/2000	0001	17.400			#	0.024	-
	mg/L	04/05/2001	0001	7.300			#	0.0149	-
	mg/L	06/11/2001	0001	2.730			#	0.0149	-
	mg/L	08/24/2001	0001	12.700			#	0.0149	-
	mg/L	08/24/2001	N001	12.800			#	0.0149	-
Chromium	mg/L	06/20/2000	0001	0.0035	U		#	0.0035	-
	mg/L	11/29/2000	0001	0.0059	U		#	0.0059	-
	mg/L	04/05/2001	0001	0.0008	U		#	0.0008	-
	mg/L	06/11/2001	0001	0.0008	U		#	0.0008	-
	mg/L	08/24/2001	0001	0.0008	U		#	0.0008	-
	mg/L	08/24/2001	N001	0.00089	U		#	0.00089	-
Copper	mg/L	06/20/2000	0001	0.004	U		#	0.004	-
	mg/L	11/29/2000	0001	0.0025	U		#	0.0025	-
	mg/L	04/05/2001	0001	0.0034	U		#	0.0034	-
	mg/L	06/11/2001	0001	0.0024	B	U	#	0.0003	-
	mg/L	08/24/2001	0001	0.0015	B	U	#	0.0003	-
	mg/L	08/24/2001	N001	0.0045	B		#	0.00033	-
Gross Alpha	pCi/L	06/20/2000	0001	2.00	U		#	2	± 1.32
	pCi/L	11/29/2000	0001	3.73	U		#	3.73	± 2.17
	pCi/L	04/05/2001	0001	3.73	U	J	#	3.73	± 1.99
	pCi/L	06/11/2001	0001	2.63	U		#	2.63	± 1.25
	pCi/L	08/24/2001	0001	3.46	U	J	#	3.46	± 1.83
	pCi/L	08/24/2001	N001	3.59	U	J	#	3.59	± 1.88
Gross Beta	pCi/L	06/20/2000	0001	3.06	U		#	3.06	± 1.84
	pCi/L	11/29/2000	0001	3.91	U		#	3.91	± 2.43
	pCi/L	04/05/2001	0001	4.70	U		#	4.7	± 2.73
	pCi/L	06/11/2001	0001	3.84	U		#	3.84	± 2.15
	pCi/L	08/24/2001	0001	3.93	U		#	3.93	± 2.33
	pCi/L	08/24/2001	N001	3.94	U		#	3.94	± 2.27

SURFACE WATER QUALITY DATA BY LOCATION (USEE102) FOR SITE DUR01, DURANGO MILL TAILINGS

LOCATION: 0586

REPORT DATE: 12/13/2001 10:59 am

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Iron	mg/L	06/20/2000	0001	0.0091	U		#	0.0091	-
	mg/L	11/29/2000	0001	0.011	U		#	0.011	-
	mg/L	04/05/2001	0001	0.0246	B	U	#	0.001	-
	mg/L	06/11/2001	0001	0.0423	E	J	#	0.0008	-
	mg/L	08/24/2001	0001	0.0248	B	U	#	0.0008	-
	mg/L	08/24/2001	N001	0.489	*	J	#	0.00089	-
Lead	mg/L	06/20/2000	0001	0.0001	U		#	0.0001	-
	mg/L	11/29/2000	0001	0.0001	U		#	0.0001	-
	mg/L	04/05/2001	0001	0.00029	B	U	#	0.0001	-
	mg/L	06/11/2001	0001	0.00033	B		#	0.0001	-
	mg/L	08/24/2001	0001	0.0001	U		#	0.0001	-
	mg/L	08/24/2001	N001	0.0032	B	U	#	0.00011	-
Lead-210	pCi/L	06/20/2000	0001	1.06	U		#	1.06	± 0.60
	pCi/L	11/29/2000	0001	1.23	U		#	1.23	± 0.69
	pCi/L	04/05/2001	0001	1.36	U		#	1.36	± 0.81
	pCi/L	06/11/2001	0001	1.25	U		#	1.25	± 0.71
	pCi/L	08/24/2001	0001	1.24	U		#	1.24	± 0.73
	pCi/L	08/24/2001	N001	1.26	U		#	1.26	± 0.72
Magnesium	mg/L	06/20/2000	0001	6.370			#	0.024	-
	mg/L	11/29/2000	0001	11.200			#	0.0471	-
	mg/L	04/05/2001	0001	16.300			#	0.0031	-
	mg/L	06/11/2001	0001	3.070			#	0.0034	-
	mg/L	08/24/2001	0001	7.650			#	0.0034	-
	mg/L	08/24/2001	N001	7.660			#	0.00378	-
Manganese	mg/L	06/20/2000	0001	0.0643			#	0.0015	-
	mg/L	11/29/2000	0001	0.122			#	0.003	-
	mg/L	04/05/2001	0001	0.0628			#	0.0001	-
	mg/L	06/11/2001	0001	0.0524			#	0.0001	-
	mg/L	08/24/2001	0001	0.0872			#	0.0001	-
	mg/L	08/24/2001	N001	0.0914			#	0.00011	-
Molybdenum	mg/L	06/20/2000	0001	0.002	B	U	#	0.0008	-
	mg/L	11/29/2000	0001	0.0011	B		#	0.0003	-
	mg/L	04/05/2001	0001	0.00083	B	U	#	0.0004	-
	mg/L	06/11/2001	0001	0.003	U		#	0.003	-
	mg/L	08/24/2001	0001	0.003	U		#	0.003	-

SURFACE WATER QUALITY DATA BY LOCATION (USEE102) FOR SITE DUR01, DURANGO MILL TAILINGS

LOCATION: 0586

REPORT DATE: 12/13/2001 10:59 am

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Molybdenum	mg/L	08/24/2001	N001	0.0033	U		#	0.00333	-
Nitrate as NO3	mg/L	06/20/2000	0001	0.483	B		#	0.0314	-
	mg/L	11/29/2000	0001	0.630	B		#	0.0314	-
	mg/L	04/05/2001	0001	0.727	B		#	0.0171	-
	mg/L	06/11/2001	0001	0.541	B		#	0.0171	-
	mg/L	08/24/2001	0001	0.371	B		#	0.0305	-
	mg/L	08/24/2001	N001	0.383	B		#	0.0305	-
ORP of Zobell Solution	mV	06/20/2000	N001	238			#	-	-
	mV	11/29/2000	N001	245			#	-	-
	mV	04/05/2001	N001	236			#	-	-
	mV	06/11/2001	N001	237			#	-	-
	mV	08/24/2001	N001	235			#	-	-
Oxidation Reduction Potent	mV	06/20/2000	N001	71			#	-	-
	mV	11/29/2000	N001	203			#	-	-
	mV	04/05/2001	N001	39			#	-	-
	mV	06/11/2001	N001	205			#	-	-
	mV	08/24/2001	N001	147			#	-	-
pH	s.u.	06/20/2000	N001	8.27			#	-	-
	s.u.	11/29/2000	N001	7.92			#	-	-
	s.u.	04/05/2001	N001	7.69			#	-	-
	s.u.	06/11/2001	N001	7.49			#	-	-
	s.u.	08/24/2001	N001	7.69			#	-	-
Polonium-210	pCi/L	06/20/2000	0001	0.08	U		#	0.08	± 0.08
	pCi/L	11/29/2000	0001	0.09	UB		#	0.09	± 0.11
	pCi/L	04/05/2001	0001	0.08	U		#	0.08	± 0.04
	pCi/L	06/11/2001	0001	0.07	U		#	0.07	± 0.04
	pCi/L	08/24/2001	0001	0.05	U		#	0.05	± 0.03
	pCi/L	08/24/2001	N001	0.07			#	0.06	± 0.04
Potassium	mg/L	06/20/2000	0001	1.760			#	0.0456	-
	mg/L	11/29/2000	0001	2.990			#	0.0359	-
	mg/L	04/05/2001	0001	2.000			#	0.0091	-
	mg/L	06/11/2001	0001	0.724			#	0.0088	-
	mg/L	08/24/2001	0001	2.020			#	0.0088	-
	mg/L	08/24/2001	N001	2.080			#	0.00978	-
Radium-226	pCi/L	06/20/2000	0001	0.12	U		#	0.12	± 0.07

SURFACE WATER QUALITY DATA BY LOCATION (USEE102) FOR SITE DUR01, DURANGO MILL TAILINGS

LOCATION: 0586

REPORT DATE: 12/13/2001 10:59 am

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Radium-226	pCi/L	11/29/2000	0001	0.14	U		#	0.14	± 0.09
	pCi/L	04/05/2001	0001	0.12	U		#	0.12	± 0.07
	pCi/L	06/11/2001	0001	0.12	U		#	0.12	± 0.07
	pCi/L	08/24/2001	0001	0.13			#	0.11	± 0.07
	pCi/L	08/24/2001	N001	0.1	U		#	0.1	± 0.06
Radium-228	pCi/L	06/20/2000	0001	0.63	U		#	0.63	± 0.37
	pCi/L	11/29/2000	0001	0.81	U		#	0.81	± 0.46
	pCi/L	04/05/2001	0001	0.90	U		#	0.9	± 0.52
	pCi/L	06/11/2001	0001	0.93	U		#	0.93	± 0.54
	pCi/L	08/24/2001	0001	0.73	U		#	0.73	± 0.43
	pCi/L	08/24/2001	N001	0.86	U		#	0.86	± 0.50
Selenium	mg/L	06/20/2000	0001	0.0015	U		#	0.0015	-
	mg/L	11/29/2000	0001	0.00023	B		#	0.0001	-
	mg/L	04/05/2001	0001	0.0022	B		#	0.0003	-
	mg/L	06/11/2001	0001	0.0003	U		#	0.0003	-
	mg/L	08/24/2001	0001	0.0003	U		#	0.0003	-
	mg/L	08/24/2001	N001	0.00033	U		#	0.00033	-
Sodium	mg/L	06/20/2000	0001	10.200			#	0.434	-
	mg/L	11/29/2000	0001	17.700			#	0.525	-
	mg/L	04/05/2001	0001	13.800			#	0.0052	-
	mg/L	06/11/2001	0001	3.340	E	J	#	0.0085	-
	mg/L	08/24/2001	0001	11.300			#	0.0085	-
	mg/L	08/24/2001	N001	11.400			#	0.00944	-
Specific Conductance	umhos/cm	06/20/2000	N001	342			#	-	-
	umhos/cm	11/29/2000	N001	566			#	-	-
	umhos/cm	04/05/2001	N001	520			#	-	-
	umhos/cm	06/11/2001	N001	174			#	-	-
	umhos/cm	08/24/2001	N001	411			#	-	-
Sulfate	mg/L	06/20/2000	0001	65.700			#	0.0589	-
	mg/L	11/29/2000	0001	144.000			#	0.0589	-
	mg/L	04/05/2001	0001	123.000			#	0.0253	-
	mg/L	06/11/2001	0001	28.400			#	0.0253	-
	mg/L	08/24/2001	0001	91.700			#	0.0253	-
	mg/L	08/24/2001	N001	91.600			#	0.0253	-
Temperature	C	06/20/2000	N001	16.8			#	-	-

SURFACE WATER QUALITY DATA BY LOCATION (USEE102) FOR SITE DUR01, DURANGO MILL TAILINGS

LOCATION: 0586

REPORT DATE: 12/13/2001 10:59 am

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Temperature	C	11/29/2000	N001	5			#	-	-
	C	04/05/2001	N001	6.6			#	-	-
	C	06/11/2001	N001	10.4			#	-	-
	C	08/24/2001	N001	14.1			#	-	-
Temperature of Zobell Solu	C	06/20/2000	N001	16.6			#	-	-
	C	11/29/2000	N001	13.9			#	-	-
	C	04/05/2001	N001	10.2			#	-	-
	C	06/11/2001	N001	8.7			#	-	-
	C	08/24/2001	N001	14.6			#	-	-
Thallium	mg/L	06/20/2000	0001	0.0001	U		#	0.0001	-
	mg/L	11/29/2000	0001	0.0001	U		#	0.0001	-
	mg/L	04/05/2001	0001	0.00011	B	U	#	0.0001	-
	mg/L	06/11/2001	0001	0.00016	BE	UJ	#	-	-
	mg/L	08/24/2001	0001	0.0001	U		#	0.0001	-
	mg/L	08/24/2001	N001	0.00011	U		#	0.00011	-
Thorium-230	pCi/L	06/20/2000	0001	2.6	U		#	2.6	-
	pCi/L	11/29/2000	0001	1.7	U		#	1.72	-
	pCi/L	04/05/2001	0001	0.92	U		#	0.92	-
	pCi/L	06/11/2001	0001	1.5	U		#	1.48	-
	pCi/L	08/24/2001	0001	2.7	B		#	1.48	-
	pCi/L	08/24/2001	N001	8.6			#	1.6444	-
Total Dissolved Solids	mg/L	06/20/2000	0001	258		J	#	10	-
	mg/L	11/29/2000	0001	353			#	10	-
	mg/L	04/05/2001	0001	320			#	10	-
	mg/L	06/11/2001	0001	110			#	10	-
	mg/L	08/24/2001	0001	245			#	10	-
	mg/L	08/24/2001	N001	257			#	10	-
Turbidity	NTU	06/11/2001	N001	44.8			#	-	-
	NTU	08/24/2001	N001	7.14			#	-	-
Uranium	mg/L	06/20/2000	0001	0.001			#	0.0001	-
	mg/L	11/29/2000	0001	0.0015			#	0.0001	-
	mg/L	04/05/2001	0001	0.0023			#	0.0001	-
	mg/L	06/11/2001	0001	0.00022	B		#	0.0001	-
	mg/L	08/24/2001	0001	0.00069	B		#	0.0001	-
	mg/L	08/24/2001	N001	0.00088	B		#	0.00011	-

SURFACE WATER QUALITY DATA BY LOCATION (USEE102) FOR SITE DUR01, DURANGO MILL TAILINGS

LOCATION: 0586

REPORT DATE: 12/13/2001 10:59 am

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Uranium-234	pCi/L	04/05/2001	0001	1		UJ	#	0.4	-
Uranium-238	pCi/L	04/05/2001	0001	0.88	B		#	0.1	-
Vanadium	mg/L	06/20/2000	0001	0.0013	U		#	0.0013	-
	mg/L	11/29/2000	0001	0.0015	U		#	0.0015	-
	mg/L	04/05/2001	0001	0.0004	U		#	0.0004	-
	mg/L	06/11/2001	0001	0.0003	U		#	0.0003	-
	mg/L	08/24/2001	0001	0.0003	U		#	0.0003	-
	mg/L	08/24/2001	N001	0.0011	B		#	0.00033	-
Zinc	mg/L	06/20/2000	0001	0.0651			#	0.0127	-
	mg/L	11/29/2000	0001	0.0525			#	0.0102	-
	mg/L	04/05/2001	0001	0.0399	B		#	0.0095	-
	mg/L	06/11/2001	0001	0.0691			#	0.0073	-
	mg/L	08/24/2001	0001	0.0351	B		#	0.0073	-
	mg/L	08/24/2001	N001	0.0693			#	0.00811	-

RECORDS: SELECTED FROM USEE102

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LAB QUALIFIERS:

- \* Replicate analysis not within control limits.
- + Correlation coefficient for MSA < 0.995.
- A TIC is a suspected aldol-condensation product.
- B Inorganic: Result is between the IDL and CRDL. Organic: Analyte also found in method blank.
- E Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
- Z Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- H Holding time expired, value suspect.
- I Increased detection limit due to required dilution.
- C Pesticide result confirmed by GC-MS.
- M GFAA duplicate injection precision not met.
- N Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC).
- S Result determined by method of standard addition (MSA).
- U Analytical result below detection limit.
- W Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
- D Analyte determined in diluted sample.
- P > 25% difference in detected pesticide or Arochlor concentrations between 2 columns.
- X Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- Y Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- > Result above upper detection limit.
- J Estimated

DATA QUALIFIERS:

- J Estimated value.
- G Possible grout contamination, pH > 9.
- R Unusable result.
- U Parameter analyzed for but was not detected.
- F Low flow sampling method used.
- L Less than 3 bore volumes purged prior to sampling.
- X Location is undefined.

QA QUALIFIER: # = validated according to Quality Assurance guidelines.

SURFACE WATER QUALITY DATA BY LOCATION (USEE102) FOR SITE DUR01, DURANGO MILL TAILINGS  
LOCATION: 0650 SURFACE WATER AND SED.  
REPORT DATE: 12/13/2001 10:59 am

PARAMETER	UNITS	SAMPLE: DATE	ID	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
Alkalinity as CaCO3	mg/L	06/28/2000	0001	214		#	-
	mg/L	06/28/2000	N001	205		#	-
	mg/L	11/28/2000	0001	213		#	-
	mg/L	11/28/2000	N001	210		#	-
	mg/L	03/29/2001	0001	145		#	-
	mg/L	03/29/2001	N001	142		#	-
	mg/L	06/07/2001	0001	136		#	-
	mg/L	06/07/2001	N001	156		#	-
	mg/L	06/28/2001	0001	206		#	-
	mg/L	06/28/2001	N001	200		#	-
	mg/L	08/27/2001	0001	206		#	-
	mg/L	08/27/2001	N001	211		#	-
Ammonium	mg/L	06/28/2000	0001	0.0118	B	#	0.0047
	mg/L	11/28/2000	0001	0.0047	U	#	0.0047
	mg/L	03/29/2001	0001	0.0456	B	#	0.0062
	mg/L	05/02/2001	0001	0.0138	B	#	0.0062
	mg/L	06/07/2001	0001	0.0062	U	#	0.0062
	mg/L	06/28/2001	0001	0.0108	B	#	0.0062
	mg/L	08/27/2001	0001	0.0062	U	#	0.0062
	mg/L	08/27/2001	N001	0.0062	U	#	0.0062
Antimony	mg/L	06/28/2000	0001	0.0002	U	U	#
	mg/L	11/28/2000	0001	0.0003	U		#
	mg/L	03/29/2001	0001	0.0005	B	U	#
	mg/L	05/02/2001	0001	0.00056	B	U	#
	mg/L	06/07/2001	0001	0.0008	U		#
	mg/L	06/28/2001	0001	0.0008	U		#
	mg/L	08/27/2001	0001	0.00025	B	U	#
	mg/L	08/27/2001	N001	0.001	B	U	#
Arsenic	mg/L	11/09/1993	0001	0.005	UW	#	0.005
	mg/L	11/09/1993	N001	0.005	UW	#	0.005
	mg/L	06/28/2000	0001	0.0003	U	#	0.0003
	mg/L	11/28/2000	0001	0.0002	U	#	0.0002
	mg/L	03/29/2001	0001	0.0005	U	#	0.0005
	mg/L	05/02/2001	0001	0.0005	U	#	0.0005
	mg/L	06/07/2001	0001	0.0005	U	#	0.0005
	mg/L	06/28/2001	0001	0.0005	U	#	0.0005



SURFACE WATER QUALITY DATA BY LOCATION (USEE102) FOR SITE DUR01, DURANGO MILL TAILINGS  
LOCATION: 0650 SURFACE WATER AND SED.  
REPORT DATE: 12/13/2001 10:59 am

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Arsenic	mg/L	08/27/2001	0001	0.0005	U		#	0.0005	-
	mg/L	08/27/2001	N001	0.00064	B		#	0.00056	-
Cadmium	mg/L	11/09/1993	0001	0.001	U		#	0.001	-
	mg/L	11/09/1993	N001	0.001	U		#	0.001	-
	mg/L	06/28/2000	0001	0.00048	B	U	#	0.0002	-
	mg/L	11/28/2000	0001	0.0002	U		#	0.0002	-
	mg/L	03/29/2001	0001	0.00021	B		#	0.0002	-
	mg/L	05/02/2001	0001	0.00037	B	U	#	0.0002	-
	mg/L	06/07/2001	0001	0.0004	U		#	0.0004	-
	mg/L	06/28/2001	0001	0.0004	U		#	0.0004	-
	mg/L	08/27/2001	0001	0.00075	B	U	#	0.0003	-
	mg/L	08/27/2001	N001	0.00033	U		#	0.00033	-
Calcium	mg/L	11/09/1993	0001	86.4			#	1	-
	mg/L	11/09/1993	N001	80.4			#	1	-
	mg/L	06/28/2000	0001	81.400			#	0.0504	-
	mg/L	11/28/2000	0001	83.800			#	0.032	-
	mg/L	03/29/2001	0001	52.600			#	0.0642	-
	mg/L	05/02/2001	0001	34.100			#	0.0642	-
	mg/L	06/07/2001	0001	51.100			#	0.0814	-
	mg/L	06/28/2001	0001	76.300			#	0.0814	-
	mg/L	08/27/2001	0001	75.100			#	0.0814	-
	mg/L	08/27/2001	N001	80.000			#	0.09044	-
Chloride	mg/L	06/28/2000	0001	7.790			#	0.024	-
	mg/L	11/28/2000	0001	7.780			#	0.024	-
	mg/L	03/29/2001	0001	6.650			#	0.0149	-
	mg/L	05/02/2001	0001	1.480			#	0.0149	-
	mg/L	06/07/2001	0001	3.520			#	0.0149	-
	mg/L	06/28/2001	0001	6.430			#	0.0149	-
	mg/L	08/27/2001	0001	9.460			#	0.0149	-
	mg/L	08/27/2001	N001	9.200			#	0.0149	-
Chromium	mg/L	06/28/2000	0001	0.0035	U		#	0.0035	-
	mg/L	11/28/2000	0001	0.0111			#	0.0059	-
	mg/L	03/29/2001	0001	0.0008	U		#	0.0008	-
	mg/L	05/02/2001	0001	0.0008	U		#	0.0008	-
	mg/L	06/07/2001	0001	0.0008	U		#	0.0008	-

SURFACE WATER QUALITY DATA BY LOCATION (USEE102) FOR SITE DUR01, DURANGO MILL TAILINGS  
LOCATION: 0650 SURFACE WATER AND SED.  
REPORT DATE: 12/13/2001 10:59 am

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Chromium	mg/L	06/28/2001	0001	0.0008	U		#	0.0008	-
	mg/L	08/27/2001	0001	0.0008	U		#	0.0008	-
	mg/L	08/27/2001	N001	0.00089	U		#	0.00089	-
Copper	mg/L	06/28/2000	0001	0.004	U		#	0.004	-
	mg/L	11/28/2000	0001	0.0063	B		#	0.0025	-
	mg/L	03/29/2001	0001	0.0034	U		#	0.0034	-
	mg/L	05/02/2001	0001	0.0034	U		#	0.0034	-
	mg/L	06/07/2001	0001	0.0003	U		#	0.0003	-
	mg/L	06/28/2001	0001	0.0003	U		#	0.0003	-
	mg/L	08/27/2001	0001	0.00057	B	U	#	0.0003	-
	mg/L	08/27/2001	N001	0.0011	B	U	#	0.00033	-
Gross Alpha	pCi/L	06/28/2000	0001	3.14	U		#	3.14	± 1.82
	pCi/L	11/28/2000	0001	4.35	U		#	4.35	± 2.34
	pCi/L	03/29/2001	0001	3.07	U	J	#	3.07	± 1.59
	pCi/L	05/02/2001	0001	2.83	U		#	2.83	± 1.45
	pCi/L	06/07/2001	0001	3.4	U		#	3.4	± 1.92
	pCi/L	06/28/2001	0001	3.92	U		#	3.92	± 2.10
	pCi/L	08/27/2001	0001	4.27	U	J	#	4.27	± 2.15
	pCi/L	08/27/2001	N001	4.24	U	J	#	4.24	± 2.50
Gross Beta	pCi/L	06/28/2000	0001	3.25	U		#	3.25	± 1.98
	pCi/L	11/28/2000	0001	3.95	U		#	3.95	± 2.32
	pCi/L	03/29/2001	0001	3.91	U		#	3.91	± 2.27
	pCi/L	05/02/2001	0001	3.89	U		#	3.89	± 2.22
	pCi/L	06/07/2001	0001	3.91	U		#	3.91	± 2.22
	pCi/L	06/28/2001	0001	3.94	U		#	3.94	± 2.31
	pCi/L	08/27/2001	0001	3.98	U		#	3.98	± 2.35
	pCi/L	08/27/2001	N001	3.99	U		#	3.99	± 2.42
Iron	mg/L	11/09/1993	0001	0.03	U		#	0.03	-
	mg/L	11/09/1993	N001	0.06			#	0.03	-
	mg/L	06/28/2000	0001	0.0091	U		#	0.0091	-
	mg/L	11/28/2000	0001	0.101			#	0.011	-
	mg/L	03/29/2001	0001	0.051			#	0.001	-
	mg/L	05/02/2001	0001	0.0326			#	0.001	-
	mg/L	06/07/2001	0001	0.0098	B		#	0.0008	-
	mg/L	06/28/2001	0001	0.0126	B		#	0.0008	-

SURFACE WATER QUALITY DATA BY LOCATION (USEE102) FOR SITE DUR01, DURANGO MILL TAILINGS  
LOCATION: 0650 SURFACE WATER AND SED.  
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PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Iron	mg/L	08/27/2001	0001	0.0108	B	U	#	0.0008	-
	mg/L	08/27/2001	N001	0.821	*	J	#	0.00089	-
Lead	mg/L	11/09/1993	0001	0.003	U		#	0.003	-
	mg/L	11/09/1993	N001	0.003	U		#	0.003	-
	mg/L	06/28/2000	0001	0.0001	U		#	0.0001	-
	mg/L	11/28/2000	0001	0.0001	U		#	0.0001	-
	mg/L	03/29/2001	0001	0.00027	B	U	#	0.0001	-
	mg/L	05/02/2001	0001	0.00011	B		#	0.0001	-
	mg/L	06/07/2001	0001	0.00031	B	U	#	0.0001	-
	mg/L	06/28/2001	0001	0.0001	U		#	0.0001	-
	mg/L	08/27/2001	0001	0.0001	U		#	0.0001	-
	mg/L	08/27/2001	N001	0.00097	B	U	#	0.00011	-
Lead-210	pCi/L	06/28/2000	0001	1.22	U		#	1.22	± 0.68
	pCi/L	11/28/2000	0001	1.15	U		#	1.15	± 0.66
	pCi/L	03/29/2001	0001	1.38	U		#	1.38	± 0.77
	pCi/L	05/02/2001	0001	0.97	U		#	0.97	± 0.56
	pCi/L	06/07/2001	0001	1.1	U		#	1.1	± 0.63
	pCi/L	06/28/2001	0001	1.15	U		#	1.15	± 0.68
	pCi/L	08/27/2001	0001	1.32	U		#	1.32	± 0.77
Magnesium	pCi/L	08/27/2001	N001	1.41	U		#	1.41	± 0.82
	mg/L	11/09/1993	0001	29.5			#	0.1	-
	mg/L	11/09/1993	N001	30.0			#	0.1	-
	mg/L	06/28/2000	0001	28.600			#	0.024	-
	mg/L	11/28/2000	0001	28.900			#	0.0471	-
	mg/L	03/29/2001	0001	19.300			#	0.0031	-
	mg/L	05/02/2001	0001	7.760			#	0.0031	-
	mg/L	06/07/2001	0001	14.900			#	0.0034	-
	mg/L	06/28/2001	0001	25.400			#	0.0034	-
	mg/L	08/27/2001	0001	29.600			#	0.0034	-
	mg/L	08/27/2001	N001	30.200			#	0.00378	-
Manganese	mg/L	11/09/1993	0001	0.01	U		#	0.01	-
	mg/L	11/09/1993	N001	0.01	U		#	0.01	-
	mg/L	06/28/2000	0001	0.0078	B		#	0.0015	-
	mg/L	11/28/2000	0001	0.0117			#	0.003	-
	mg/L	03/29/2001	0001	0.010			#	0.0001	-

SURFACE WATER QUALITY DATA BY LOCATION (USEE102) FOR SITE DUR01, DURANGO MILL TAILINGS  
LOCATION: 0650 SURFACE WATER AND SED.  
REPORT DATE: 12/13/2001 10:59 am

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Manganese	mg/L	05/02/2001	0001	0.0048	B		#	0.0001	-
	mg/L	06/07/2001	0001	0.0052	B		#	0.0001	-
	mg/L	06/28/2001	0001	0.0075	B		#	0.0001	-
	mg/L	08/27/2001	0001	0.0057	B		#	0.0001	-
	mg/L	08/27/2001	N001	0.0128			#	0.00011	-
Mercury	mg/L	11/09/1993	0001	0.0002	U		#	0.0002	-
	mg/L	11/09/1993	N001	0.0002	*		#	0.0002	-
Molybdenum	mg/L	11/09/1993	0001	0.01	U		#	0.01	-
	mg/L	11/09/1993	N001	0.01	U		#	0.01	-
	mg/L	06/28/2000	0001	0.0011	B		#	0.0008	-
	mg/L	11/28/2000	0001	0.0012	B		#	0.0003	-
	mg/L	03/29/2001	0001	0.0013	B	U	#	0.0004	-
	mg/L	05/02/2001	0001	0.0004	U		#	0.0004	-
	mg/L	06/07/2001	0001	0.003	U		#	0.003	-
	mg/L	06/28/2001	0001	0.003	U		#	0.003	-
	mg/L	08/27/2001	0001	0.003	U		#	0.003	-
	mg/L	08/27/2001	N001	0.0033	U		#	0.00333	-
Nitrate as NO3	mg/L	11/09/1993	0001	10.7		J	#	1	-
	mg/L	11/09/1993	N001	10.8		J	#	1	-
	mg/L	06/28/2000	0001	1.420			#	0.0314	-
	mg/L	11/28/2000	0001	1.330			#	0.0314	-
	mg/L	03/29/2001	0001	2.390			#	0.0171	-
	mg/L	05/02/2001	0001	1.190			#	0.0171	-
	mg/L	06/07/2001	0001	0.811	B		#	0.0171	-
	mg/L	06/28/2001	0001	1.000			#	0.0171	-
	mg/L	08/27/2001	0001	0.773	B		#	0.0305	-
	mg/L	08/27/2001	N001	0.753	B		#	0.0305	-
ORP of Zobell Solution	mV	06/28/2000	N001	215			#	-	-
	mV	11/28/2000	N001	255			#	-	-
	mV	03/29/2001	N001	236			#	-	-
	mV	05/02/2001	N001	214			#	-	-
	mV	06/07/2001	N001	236			#	-	-
	mV	06/28/2001	N001	224			#	-	-
	mV	08/27/2001	N001	225			#	-	-
Oxidation Reduction Potent	mV	06/28/2000	N001	28			#	-	-

SURFACE WATER QUALITY DATA BY LOCATION (USEE102) FOR SITE DUR01, DURANGO MILL TAILINGS  
LOCATION: 0650 SURFACE WATER AND SED.  
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PARAMETER	UNITS	SAMPLE: DATE	ID	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
Oxidation Reduction Potent	mV	11/28/2000	N001	126		#	-
	mV	03/29/2001	N001	52		#	-
	mV	05/02/2001	N001	189		#	-
	mV	06/07/2001	N001	117		#	-
	mV	06/28/2001	N001	40		#	-
	mV	08/27/2001	N001	101		#	-
pH	s.u.	06/28/2000	N001	8.33		#	-
	s.u.	11/28/2000	N001	8.25		#	-
	s.u.	03/29/2001	N001	8.12		#	-
	s.u.	05/02/2001	N001	8		#	-
	s.u.	06/07/2001	N001	8.4		#	-
	s.u.	06/28/2001	N001	8.15		#	-
	s.u.	08/27/2001	N001	8.39		#	-
Polonium-210	pCi/L	06/28/2000	0001	0.05	U	#	0.03 ± 0.05
	pCi/L	11/28/2000	0001	0.08	UB	#	0.08 ± 0.09
	pCi/L	03/29/2001	0001	0.06		#	0.05 ± 0.03
	pCi/L	05/02/2001	0001	0.09	U	#	0.09 ± 0.05
	pCi/L	06/07/2001	0001	0.33	U	#	0.33 ± 0.10
	pCi/L	06/28/2001	0001	0.08	U	#	0.08 ± 0.05
	pCi/L	08/27/2001	0001	0.12	U	#	0.12 ± 0.06
	pCi/L	08/27/2001	N001	0.09		#	0.04 ± 0.03
Potassium	mg/L	06/28/2000	0001	2.030		#	0.0456 -
	mg/L	11/28/2000	0001	1.960		#	0.0359 -
	mg/L	03/29/2001	0001	1.950		#	0.0091 -
	mg/L	05/02/2001	0001	1.000		#	0.0091 -
	mg/L	06/07/2001	0001	1.170		#	0.0088 -
	mg/L	06/28/2001	0001	1.690		#	0.0088 -
	mg/L	08/27/2001	0001	2.420		#	0.0088 -
	mg/L	08/27/2001	N001	2.380		#	0.00978 -
Radium-226	pCi/L	06/28/2000	0001	0.18	U	#	0.18 ± 0.10
	pCi/L	11/28/2000	0001	0.14	U	#	0.14 ± 0.08
	pCi/L	03/29/2001	0001	0.13	U	#	0.13 ± 0.08
	pCi/L	05/02/2001	0001	0.22	U	#	0.22 ± 0.12
	pCi/L	06/07/2001	0001	0.1	U	#	0.1 ± 0.07
	pCi/L	06/28/2001	0001	0.12		#	0.08 ± 0.05

SURFACE WATER QUALITY DATA BY LOCATION (USEE102) FOR SITE DUR01, DURANGO MILL TAILINGS  
LOCATION: 0650 SURFACE WATER AND SED.  
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PARAMETER	UNITS	SAMPLE: DATE	ID	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
Radium-226	pCi/L	08/27/2001	0001	0.11		# 0.1	± 0.06
	pCi/L	08/27/2001	N001	0.13		# 0.11	± 0.07
Radium-228	pCi/L	06/28/2000	0001	0.99	U	# 0.99	± 0.58
	pCi/L	11/28/2000	0001	0.75	U	# 0.75	± 0.44
	pCi/L	03/29/2001	0001	0.95	U	# 0.95	± 0.55
	pCi/L	05/02/2001	0001	1.53	U	# 1.53	± 0.88
	pCi/L	06/07/2001	0001	0.93	U	# 0.93	± 0.54
	pCi/L	06/28/2001	0001	0.81	U	# 0.81	± 0.47
	pCi/L	08/27/2001	0001	0.93	U	# 0.93	± 0.54
	pCi/L	08/27/2001	N001	0.93	U	# 0.93	± 0.56
Selenium	mg/L	11/09/1993	0001	0.005	UW	# 0.005	-
	mg/L	11/09/1993	N001	0.005	UW	# 0.005	-
	mg/L	06/28/2000	0001	0.0015	U	# 0.0015	-
	mg/L	11/28/2000	0001	0.00066	B	# 0.0001	-
	mg/L	03/29/2001	0001	0.0011	B	# 0.0003	-
	mg/L	05/02/2001	0001	0.00048	B	# 0.0003	-
	mg/L	06/07/2001	0001	0.00043	B	# 0.0003	-
	mg/L	06/28/2001	0001	0.00081	B	# 0.0003	-
	mg/L	08/27/2001	0001	0.0003	U	# 0.0003	-
	mg/L	08/27/2001	N001	0.00045	B	# 0.00033	-
Sodium	mg/L	06/28/2000	0001	18.800		# 0.434	-
	mg/L	11/28/2000	0001	19.600		# 0.525	-
	mg/L	03/29/2001	0001	15.400		# 0.0052	-
	mg/L	05/02/2001	0001	4.060		# 0.0052	-
	mg/L	06/07/2001	0001	8.850		# 0.0085	-
	mg/L	06/28/2001	0001	15.300		# 0.0085	-
	mg/L	08/27/2001	0001	20.600		# 0.0085	-
	mg/L	08/27/2001	N001	19.000		# 0.00944	-
Specific Conductance	umhos/cm	06/28/2000	N001	652		# -	-
	umhos/cm	11/28/2000	N001	658		# -	-
	umhos/cm	03/29/2001	N001	500		# -	-
	umhos/cm	05/02/2001	N001	2550		# -	-
	umhos/cm	06/07/2001	N001	405		# -	-
	umhos/cm	06/28/2001	N001	565		# -	-
	umhos/cm	08/27/2001	N001	692		# -	-

SURFACE WATER QUALITY DATA BY LOCATION (USEE102) FOR SITE DUR01, DURANGO MILL TAILINGS  
LOCATION: 0650 SURFACE WATER AND SED.  
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PARAMETER	UNITS	SAMPLE: DATE	ID	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
Sulfate	mg/L	11/09/1993	0001	157		# 1	-
	mg/L	11/09/1993	N001	158		# 1	-
	mg/L	06/28/2000	0001	123.000		# 0.0589	-
	mg/L	11/28/2000	0001	121.000		# 0.0589	-
	mg/L	03/29/2001	0001	99.500		# 0.0253	-
	mg/L	05/02/2001	0001	24.600		# 0.0253	-
	mg/L	06/07/2001	0001	51.500		# 0.0253	-
	mg/L	06/28/2001	0001	99.400		# 0.0253	-
	mg/L	08/27/2001	0001	148.000		# 0.0253	-
Temperature	mg/L	08/27/2001	N001	148.000		# 0.0253	-
	C	06/28/2000	N001	15.9		# -	-
	C	11/28/2000	N001	2.1		# -	-
	C	03/29/2001	N001	7.7		# -	-
	C	05/02/2001	N001	12		# -	-
	C	06/07/2001	N001	9.4		# -	-
	C	06/28/2001	N001	16.6		# -	-
Temperature of Zobell Solu	C	08/27/2001	N001	16.8		# -	-
	C	06/28/2000	N001	20.4		# -	-
	C	11/28/2000	N001	6.4		# -	-
	C	03/29/2001	N001	9		# -	-
	C	05/02/2001	N001	20.6		# -	-
	C	06/07/2001	N001	12.2		# -	-
	C	06/28/2001	N001	20.8		# -	-
Thallium	C	08/27/2001	N001	20.6		# -	-
	mg/L	06/28/2000	0001	0.0001	U	# 0.0001	-
	mg/L	11/28/2000	0001	0.0001	U	# 0.0001	-
	mg/L	03/29/2001	0001	0.00032	B U	# 0.0001	-
	mg/L	05/02/2001	0001	0.0001	U	# 0.0001	-
	mg/L	06/07/2001	0001	0.00018	BE UJ	# -	-
	mg/L	06/28/2001	0001	0.0001	U	# -	-
	mg/L	08/27/2001	0001	0.0001	U	# 0.0001	-
Thorium-230	mg/L	08/27/2001	N001	0.00011	U	# 0.00011	-
	pCi/L	06/28/2000	0001	2.6	U	# 2.6	-
	pCi/L	11/28/2000	0001	1.7	U	# 1.72	-
	pCi/L	03/29/2001	0001	0.92	U	# 0.92	-

SURFACE WATER QUALITY DATA BY LOCATION (USEE102) FOR SITE DUR01, DURANGO MILL TAILINGS  
LOCATION: 0650 SURFACE WATER AND SED.  
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PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Thorium-230	pCi/L	05/02/2001	0001	0.92	U		#	0.92	-
	pCi/L	06/07/2001	0001	1.5	U		#	1.48	-
	pCi/L	06/28/2001	0001	1.5	U		#	1.48	-
	pCi/L	08/27/2001	0001	1.5	U		#	1.48	-
	pCi/L	08/27/2001	N001	4.8		U	#	1.6444	-
Total Dissolved Solids	mg/L	11/09/1993	0001	449	H		#	10	-
	mg/L	11/09/1993	N001	447	H		#	10	-
	mg/L	06/28/2000	0001	440			#	10	-
	mg/L	11/28/2000	0001	407			#	10	-
	mg/L	03/29/2001	0001	305			#	10	-
	mg/L	05/02/2001	0001	175			#	10	-
	mg/L	06/07/2001	0001	255			#	10	-
	mg/L	06/28/2001	0001	357			#	10	-
	mg/L	08/27/2001	0001	452			#	10	-
	mg/L	08/27/2001	N001	450			#	10	-
Turbidity	NTU	06/07/2001	N001	2.87			#	-	-
Uranium	mg/L	11/09/1993	0001	0.001	U		#	0.001	-
	mg/L	11/09/1993	N001	0.001	U		#	0.001	-
	mg/L	06/28/2000	0001	0.00075	B		#	0.0001	-
	mg/L	11/28/2000	0001	0.0012			#	0.0001	-
	mg/L	03/29/2001	0001	0.00097	B		#	0.0001	-
	mg/L	05/02/2001	0001	0.00028	B		#	0.0001	-
	mg/L	06/07/2001	0001	0.00097	B	U	#	0.0001	-
	mg/L	06/28/2001	0001	0.001			#	0.0001	-
	mg/L	08/27/2001	0001	0.0011			#	0.0001	-
	mg/L	08/27/2001	N001	0.0011	B		#	0.00011	-
Uranium-234	pCi/L	03/29/2001	0001	0.52	B*	UJ	#	0.4	-
	pCi/L	05/02/2001	0001	0.48	B	U	#	0.4	-
Uranium-238	pCi/L	03/29/2001	0001	0.42	B		#	0.1	-
	pCi/L	05/02/2001	0001	0.13	B		#	0.1	-
Vanadium	mg/L	06/28/2000	0001	0.0013	U		#	0.0013	-
	mg/L	11/28/2000	0001	0.0015	U		#	0.0015	-
	mg/L	03/29/2001	0001	0.00042	B		#	0.0004	-
	mg/L	05/02/2001	0001	0.00065	B		#	0.0004	-
	mg/L	06/07/2001	0001	0.0003	U		#	0.0003	-



SURFACE WATER QUALITY DATA BY LOCATION (USEE102) FOR SITE DUR01, DURANGO MILL TAILINGS  
LOCATION: 0650 SURFACE WATER AND SED.  
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PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Vanadium	mg/L	06/28/2001	0001	0.0003	U		#	0.0003	-
	mg/L	08/27/2001	0001	0.0003	U		#	0.0003	-
	mg/L	08/27/2001	N001	0.0034	B		#	0.00033	-
Zinc	mg/L	11/09/1993	0001	0.009		J	#	0.005	-
	mg/L	11/09/1993	N001	0.031		J	#	0.005	-
	mg/L	06/28/2000	0001	0.0127	U		#	0.0127	-
	mg/L	11/28/2000	0001	0.029	B		#	0.0102	-
	mg/L	03/29/2001	0001	0.0095	U		#	0.0095	-
	mg/L	05/02/2001	0001	0.0095	U		#	0.0095	-
	mg/L	06/07/2001	0001	0.0134	B		#	0.0073	-
	mg/L	06/28/2001	0001	0.0073	U		#	0.0073	-
	mg/L	08/27/2001	0001	0.0084	B		#	0.0073	-
	mg/L	08/27/2001	N001	0.0136	B		#	0.00811	-

RECORDS: SELECTED FROM USEE102

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LAB QUALIFIERS:

- \* Replicate analysis not within control limits.
- + Correlation coefficient for MSA < 0.995.
- A TIC is a suspected aldol-condensation product.
- B Inorganic: Result is between the IDL and CRDL. Organic: Analyte also found in method blank.
- E Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
- Z Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- H Holding time expired, value suspect.
- I Increased detection limit due to required dilution.
- C Pesticide result confirmed by GC-MS.
- M GFAA duplicate injection precision not met.
- N Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC).
- S Result determined by method of standard addition (MSA).
- U Analytical result below detection limit.
- W Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
- D Analyte determined in diluted sample.
- P > 25% difference in detected pesticide or Arochlor concentrations between 2 columns.
- X Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- Y Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- > Result above upper detection limit.
- J Estimated

DATA QUALIFIERS:

- J Estimated value.
- G Possible grout contamination, pH > 9.
- R Unusable result.
- U Parameter analyzed for but was not detected.
- F Low flow sampling method used.
- L Less than 3 bore volumes purged prior to sampling.
- X Location is undefined.

QA QUALIFIER: # = validated according to Quality Assurance guidelines.

SURFACE WATER QUALITY DATA BY LOCATION (USEE102) FOR SITE DUR01, DURANGO MILL TAILINGS  
LOCATION: 0651 SURFACE WATER AND SED.  
REPORT DATE: 12/13/2001 10:59 am

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Alkalinity as CaCO3	mg/L	06/26/2000	0001	200			#	-	-
	mg/L	06/26/2000	N001	196			#	-	-
	mg/L	11/28/2000	0001	213			#	-	-
	mg/L	11/28/2000	N001	206			#	-	-
	mg/L	03/30/2001	0001	129			#	-	-
	mg/L	03/30/2001	N001	136			#	-	-
	mg/L	06/07/2001	0001	135			#	-	-
	mg/L	06/07/2001	N001	150			#	-	-
	mg/L	08/24/2001	0001	229			#	-	-
	mg/L	08/24/2001	N001	230			#	-	-
Ammonium	mg/L	06/26/2000	0001	0.119			#	0.0047	-
	mg/L	11/28/2000	0001	0.0047	U		#	0.0047	-
	mg/L	03/30/2001	0001	0.0312	B		#	0.0062	-
	mg/L	03/30/2001	0002	0.0284	B		#	0.0062	-
	mg/L	06/07/2001	0001	0.0062	U		#	0.0062	-
	mg/L	08/24/2001	0001	0.0062	U		#	0.0062	-
	mg/L	08/24/2001	N001	0.0139	B		#	0.0062	-
Antimony	mg/L	06/26/2000	0001	0.0002	U	U	#	0.0002	-
	mg/L	11/28/2000	0001	0.0003	U		#	0.0003	-
	mg/L	03/30/2001	0001	0.00044	B	U	#	0.0003	-
	mg/L	03/30/2001	0002	0.00041	B	U	#	0.0003	-
	mg/L	06/07/2001	0001	0.0008	U		#	0.0008	-
	mg/L	08/24/2001	0001	0.0003	B	U	#	0.0002	-
	mg/L	08/24/2001	N001	0.0011	B	U	#	0.00022	-
Arsenic	mg/L	11/09/1993	0001	0.005	U		#	0.005	-
	mg/L	11/09/1993	N001	0.005	U		#	0.005	-
	mg/L	06/26/2000	0001	0.0003	U		#	0.0003	-
	mg/L	11/28/2000	0001	0.0002	U		#	0.0002	-
	mg/L	03/30/2001	0001	0.0005	U		#	0.0005	-
	mg/L	03/30/2001	0002	0.0005	U		#	0.0005	-
	mg/L	06/07/2001	0001	0.0005	U		#	0.0005	-
	mg/L	08/24/2001	0001	0.0005	U		#	0.0005	-
	mg/L	08/24/2001	N001	0.00056	U		#	0.00056	-
Cadmium	mg/L	11/09/1993	0001	0.001	U		#	0.001	-
	mg/L	11/09/1993	N001	0.001	U		#	0.001	-

SURFACE WATER QUALITY DATA BY LOCATION (USEE102) FOR SITE DUR01, DURANGO MILL TAILINGS  
LOCATION: 0651 SURFACE WATER AND SED.  
REPORT DATE: 12/13/2001 10:59 am

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Cadmium	mg/L	06/26/2000	0001	0.0005	B	U	#	0.0002	-
	mg/L	11/28/2000	0001	0.0002	U		#	0.0002	-
	mg/L	03/30/2001	0001	0.00026	B		#	0.0002	-
	mg/L	03/30/2001	0002	0.00027	B		#	0.0002	-
	mg/L	06/07/2001	0001	0.0004	U		#	0.0004	-
	mg/L	08/24/2001	0001	0.00068	B	U	#	0.0003	-
	mg/L	08/24/2001	N001	0.00033	U		#	0.00033	-
Calcium	mg/L	11/09/1993	0001	87.2			#	1	-
	mg/L	11/09/1993	N001	82.3			#	1	-
	mg/L	06/26/2000	0001	74.300			#	0.0504	-
	mg/L	11/28/2000	0001	83.000			#	0.032	-
	mg/L	03/30/2001	0001	52.600			#	0.0642	-
	mg/L	03/30/2001	0002	52.900			#	0.0642	-
	mg/L	06/07/2001	0001	50.300			#	0.0814	-
	mg/L	08/24/2001	0001	67.600			#	0.0814	-
	mg/L	08/24/2001	N001	76.100			#	0.09044	-
Chloride	mg/L	06/26/2000	0001	7.560			#	0.024	-
	mg/L	11/28/2000	0001	7.090			#	0.024	-
	mg/L	03/30/2001	0001	6.800			#	0.0149	-
	mg/L	03/30/2001	0002	6.720			#	0.0149	-
	mg/L	06/07/2001	0001	3.300			#	0.0149	-
	mg/L	08/24/2001	0001	9.180			#	0.0149	-
	mg/L	08/24/2001	N001	9.040			#	0.0149	-
Chromium	mg/L	06/26/2000	0001	0.0035	U		#	0.0035	-
	mg/L	11/28/2000	0001	0.0059	U		#	0.0059	-
	mg/L	03/30/2001	0001	0.0008	U		#	0.0008	-
	mg/L	03/30/2001	0002	0.0008	U		#	0.0008	-
	mg/L	06/07/2001	0001	0.0008	U		#	0.0008	-
	mg/L	08/24/2001	0001	0.0008	U		#	0.0008	-
	mg/L	08/24/2001	N001	0.0028	B		#	0.00089	-
Copper	mg/L	06/26/2000	0001	0.004	U		#	0.004	-
	mg/L	11/28/2000	0001	0.006	B		#	0.0025	-
	mg/L	03/30/2001	0001	0.0034	U		#	0.0034	-
	mg/L	03/30/2001	0002	0.0034	U		#	0.0034	-
	mg/L	06/07/2001	0001	0.0003	U		#	0.0003	-

SURFACE WATER QUALITY DATA BY LOCATION (USEE102) FOR SITE DUR01, DURANGO MILL TAILINGS  
LOCATION: 0651 SURFACE WATER AND SED.  
REPORT DATE: 12/13/2001 10:59 am

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Copper	mg/L	08/24/2001	0001	0.00081	B	U	#	0.0003	-
	mg/L	08/24/2001	N001	0.0023	B	U	#	0.00033	-
Gross Alpha	pCi/L	06/26/2000	0001	2.93	U		#	2.93	± 1.59
	pCi/L	11/28/2000	0001	4.24	U		#	4.24	± 2.22
	pCi/L	03/30/2001	0001	3.26	U	J	#	3.26	± 1.66
	pCi/L	03/30/2001	0002	3.24	U	J	#	3.24	± 1.97
	pCi/L	06/07/2001	0001	3.42	U		#	3.42	± 1.78
	pCi/L	08/24/2001	0001	3.93	U	J	#	3.93	± 2.16
	pCi/L	08/24/2001	N001	4.47	U	J	#	4.47	± 2.42
Gross Beta	pCi/L	06/26/2000	0001	3.42			#	3.21	± 2.00
	pCi/L	11/28/2000	0001	3.94	U		#	3.94	± 2.34
	pCi/L	03/30/2001	0001	3.92	U		#	3.92	± 2.27
	pCi/L	03/30/2001	0002	3.93	U		#	3.93	± 2.24
	pCi/L	06/07/2001	0001	3.9	U		#	3.9	± 2.28
	pCi/L	08/24/2001	0001	3.97	U		#	3.97	± 2.26
	pCi/L	08/24/2001	N001	4.48			#	4	± 2.52
Iron	mg/L	11/09/1993	0001	0.03	U		#	0.03	-
	mg/L	11/09/1993	N001	0.08			#	0.03	-
	mg/L	06/26/2000	0001	0.0091	U		#	0.0091	-
	mg/L	11/28/2000	0001	0.0162	B	U	#	0.011	-
	mg/L	03/30/2001	0001	0.0637			#	0.001	-
	mg/L	03/30/2001	0002	0.0717			#	0.001	-
	mg/L	06/07/2001	0001	0.0037	B	U	#	0.0008	-
	mg/L	08/24/2001	0001	0.0172	B	U	#	0.0008	-
	mg/L	08/24/2001	N001	2.300	*	J	#	0.00089	-
Lead	mg/L	11/09/1993	0001	0.003	U		#	0.003	-
	mg/L	11/09/1993	N001	0.003	U		#	0.003	-
	mg/L	06/26/2000	0001	0.0001	U		#	0.0001	-
	mg/L	11/28/2000	0001	0.0001	U		#	0.0001	-
	mg/L	03/30/2001	0001	0.00031	B	U	#	0.0001	-
	mg/L	03/30/2001	0002	0.00029	B	U	#	0.0001	-
	mg/L	06/07/2001	0001	0.00025	B	U	#	0.0001	-
	mg/L	08/24/2001	0001	0.0001	U		#	0.0001	-
	mg/L	08/24/2001	N001	0.0023	B	U	#	0.00011	-
Lead-210	pCi/L	06/26/2000	0001	1.27	U		#	1.27	± 0.74

SURFACE WATER QUALITY DATA BY LOCATION (USEE102) FOR SITE DUR01, DURANGO MILL TAILINGS  
LOCATION: 0651 SURFACE WATER AND SED.  
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PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Lead-210	pCi/L	11/28/2000	0001	1.15	U		#	1.15	± 0.64
	pCi/L	03/30/2001	0001	1.36	U		#	1.36	± 0.77
	pCi/L	03/30/2001	0002	1.24	U		#	1.24	± 0.71
	pCi/L	06/07/2001	0001	1.15	U		#	1.15	± 0.66
	pCi/L	08/24/2001	0001	1.3	U		#	1.3	± 0.76
	pCi/L	08/24/2001	N001	1.35	U		#	1.35	± 0.77
Magnesium	mg/L	11/09/1993	0001	29.9			#	0.1	-
	mg/L	11/09/1993	N001	30.5			#	0.1	-
	mg/L	06/26/2000	0001	27.500			#	0.024	-
	mg/L	11/28/2000	0001	28.800			#	0.0471	-
	mg/L	03/30/2001	0001	19.500			#	0.0031	-
	mg/L	03/30/2001	0002	19.700			#	0.0031	-
	mg/L	06/07/2001	0001	14.600			#	0.0034	-
	mg/L	08/24/2001	0001	28.100			#	0.0034	-
	mg/L	08/24/2001	N001	29.900			#	0.00378	-
Manganese	mg/L	11/09/1993	0001	0.01	U		#	0.01	-
	mg/L	11/09/1993	N001	0.01	U		#	0.01	-
	mg/L	06/26/2000	0001	0.0016	B		#	0.0015	-
	mg/L	11/28/2000	0001	0.0108			#	0.003	-
	mg/L	03/30/2001	0001	0.006	B		#	0.0001	-
	mg/L	03/30/2001	0002	0.0074	B		#	0.0001	-
	mg/L	06/07/2001	0001	0.0043	B		#	0.0001	-
	mg/L	08/24/2001	0001	0.005	B		#	0.0001	-
	mg/L	08/24/2001	N001	0.0245			#	0.00011	-
Mercury	mg/L	11/09/1993	0001	0.0002	U		#	0.0002	-
	mg/L	11/09/1993	N001	0.0002	U*		#	0.0002	-
Molybdenum	mg/L	11/09/1993	0001	0.01	U		#	0.01	-
	mg/L	11/09/1993	N001	0.01	U		#	0.01	-
	mg/L	06/26/2000	0001	0.0008	U		#	0.0008	-
	mg/L	11/28/2000	0001	0.0013	B		#	0.0003	-
	mg/L	03/30/2001	0001	0.0012	B	U	#	0.0004	-
	mg/L	03/30/2001	0002	0.0012	B	U	#	0.0004	-
	mg/L	06/07/2001	0001	0.003	U		#	0.003	-
	mg/L	08/24/2001	0001	0.003	U		#	0.003	-
	mg/L	08/24/2001	N001	0.0033	U		#	0.00333	-

SURFACE WATER QUALITY DATA BY LOCATION (USEE102) FOR SITE DUR01, DURANGO MILL TAILINGS  
LOCATION: 0651 SURFACE WATER AND SED.  
REPORT DATE: 12/13/2001 10:59 am

PARAMETER	UNITS	SAMPLE: DATE	ID	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
Nitrate as NO3	mg/L	11/09/1993	0001	10.9	J	#	1 -
	mg/L	11/09/1993	N001	11.0	J	#	1 -
	mg/L	06/26/2000	0001	0.929	B	#	0.0314 -
	mg/L	11/28/2000	0001	1.320		#	0.0314 -
	mg/L	03/30/2001	0001	2.110		#	0.0171 -
	mg/L	03/30/2001	0002	1.990		#	0.0171 -
	mg/L	06/07/2001	0001	0.793	B	#	0.0171 -
	mg/L	08/24/2001	0001	0.443	B	#	0.0305 -
	mg/L	08/24/2001	N001	0.442	B	#	0.0305 -
ORP of Zobell Solution	mV	06/26/2000	N001	225		#	- -
	mV	11/28/2000	N001	253		#	- -
	mV	03/30/2001	N001	247		#	- -
	mV	06/07/2001	N001	236		#	- -
	mV	08/24/2001	N001	222		#	- -
Oxidation Reduction Potent	mV	06/26/2000	N001	60		#	- -
	mV	11/28/2000	N001	145		#	- -
	mV	03/30/2001	N001	114		#	- -
	mV	06/07/2001	N001	95		#	- -
	mV	08/24/2001	N001	112		#	- -
pH	s.u.	06/26/2000	N001	8.49		#	- -
	s.u.	11/28/2000	N001	8.77		#	- -
	s.u.	03/30/2001	N001	8.25		#	- -
	s.u.	06/07/2001	N001	8.5		#	- -
	s.u.	08/24/2001	N001	8.24		#	- -
Polonium-210	pCi/L	06/26/2000	0001	0.06	U	#	0.06 ± 0.08
	pCi/L	11/28/2000	0001	0.10	UB	#	0.1 ± 0.10
	pCi/L	03/30/2001	0001	0.09	U	#	0.09 ± 0.05
	pCi/L	03/30/2001	0002	0.07	UB	#	0.07 ± 0.04
	pCi/L	06/07/2001	0001	0.17	U	#	0.17 ± 0.05
	pCi/L	08/24/2001	0001	0.1	U	#	0.1 ± 0.05
	pCi/L	08/24/2001	N001	0.17		#	0.04 ± 0.04
Potassium	mg/L	06/26/2000	0001	1.980		#	0.0456 -
	mg/L	11/28/2000	0001	2.060		#	0.0359 -
	mg/L	03/30/2001	0001	1.860		#	0.0091 -
	mg/L	03/30/2001	0002	1.880		#	0.0091 -

SURFACE WATER QUALITY DATA BY LOCATION (USEE102) FOR SITE DUR01, DURANGO MILL TAILINGS  
LOCATION: 0651 SURFACE WATER AND SED.  
REPORT DATE: 12/13/2001 10:59 am

PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Potassium	mg/L	06/07/2001	0001	1.160			#	0.0088	-
	mg/L	08/24/2001	0001	2.180			#	0.0088	-
	mg/L	08/24/2001	N001	3.090			#	0.00978	-
Radium-226	pCi/L	06/26/2000	0001	0.13	U		#	0.13	± 0.07
	pCi/L	11/28/2000	0001	0.14	U		#	0.14	± 0.08
	pCi/L	03/30/2001	0001	0.14	U		#	0.14	± 0.08
	pCi/L	03/30/2001	0002	0.13	U		#	0.13	± 0.08
	pCi/L	06/07/2001	0001	0.13			#	0.1	± 0.07
	pCi/L	08/24/2001	0001	0.1	U		#	0.1	± 0.06
	pCi/L	08/24/2001	N001	0.25			#	0.1	± 0.08
Radium-228	pCi/L	06/26/2000	0001	0.68	U		#	0.68	± 0.40
	pCi/L	11/28/2000	0001	0.77	U		#	0.77	± 0.45
	pCi/L	03/30/2001	0001	0.96	U		#	0.96	± 0.56
	pCi/L	03/30/2001	0002	0.98	U		#	0.98	± 0.56
	pCi/L	06/07/2001	0001	0.93	U		#	0.93	± 0.53
	pCi/L	08/24/2001	0001	0.96	U		#	0.96	± 0.56
	pCi/L	08/24/2001	N001	0.9	U		#	0.9	± 0.53
Selenium	mg/L	11/09/1993	0001	0.005	U		#	0.005	-
	mg/L	11/09/1993	N001	0.005	U		#	0.005	-
	mg/L	06/26/2000	0001	0.0015	U		#	0.0015	-
	mg/L	11/28/2000	0001	0.00066	B		#	0.0001	-
	mg/L	03/30/2001	0001	0.0011	B		#	0.0003	-
	mg/L	03/30/2001	0002	0.0012	B		#	0.0003	-
	mg/L	06/07/2001	0001	0.00037	B		#	0.0003	-
	mg/L	08/24/2001	0001	0.0003	U		#	0.0003	-
	mg/L	08/24/2001	N001	0.00033	U		#	0.00033	-
Sodium	mg/L	06/26/2000	0001	17.600			#	0.434	-
	mg/L	11/28/2000	0001	19.700			#	0.525	-
	mg/L	03/30/2001	0001	15.300			#	0.0052	-
	mg/L	03/30/2001	0002	15.500			#	0.0052	-
	mg/L	06/07/2001	0001	8.870			#	0.0085	-
	mg/L	08/24/2001	0001	20.000			#	0.0085	-
	mg/L	08/24/2001	N001	18.900			#	0.00944	-
Specific Conductance	umhos/cm	06/26/2000	N001	602			#	-	-
	umhos/cm	11/28/2000	N001	655			#	-	-

SURFACE WATER QUALITY DATA BY LOCATION (USEE102) FOR SITE DUR01, DURANGO MILL TAILINGS  
LOCATION: 0651 SURFACE WATER AND SED.  
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PARAMETER	UNITS	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
		DATE	ID		LAB	DATA	QA		
Specific Conductance	umhos/cm	03/30/2001	N001	505				#	-
	umhos/cm	06/07/2001	N001	403				#	-
	umhos/cm	08/24/2001	N001	677				#	-
Sulfate	mg/L	11/09/1993	0001	154	I			#	1.1
	mg/L	11/09/1993	N001	161				#	1
	mg/L	06/26/2000	0001	111.000				#	0.0589
	mg/L	11/28/2000	0001	119.000				#	0.0589
	mg/L	03/30/2001	0001	100.000				#	0.0253
	mg/L	03/30/2001	0002	99.900				#	0.0253
	mg/L	06/07/2001	0001	50.700				#	0.0253
	mg/L	08/24/2001	0001	146.000				#	0.0253
	mg/L	08/24/2001	N001	146.000				#	0.0253
Temperature	C	06/26/2000	N001	18.3				#	-
	C	11/28/2000	N001	3.8				#	-
	C	03/30/2001	N001	2				#	-
	C	06/07/2001	N001	9.9				#	-
	C	08/24/2001	N001	19.9				#	-
Temperature of Zobell Solu	C	06/26/2000	N001	22.5				#	-
	C	11/28/2000	N001	8.1				#	-
	C	03/30/2001	N001	2.8				#	-
	C	06/07/2001	N001	12.2				#	-
	C	08/24/2001	N001	23.3				#	-
Thallium	mg/L	06/26/2000	0001	0.0001	U			#	0.0001
	mg/L	11/28/2000	0001	0.0001	U			#	0.0001
	mg/L	03/30/2001	0001	0.00032	B	U		#	0.0001
	mg/L	03/30/2001	0002	0.00032	B	U		#	0.0001
	mg/L	06/07/2001	0001	0.00018	BE	UJ		#	-
	mg/L	08/24/2001	0001	0.0001	U			#	0.0001
	mg/L	08/24/2001	N001	0.00011	U			#	0.00011
Thorium-230	pCi/L	06/26/2000	0001	2.6	UB	U		#	2.6
	pCi/L	11/28/2000	0001	1.7	U			#	1.72
	pCi/L	03/30/2001	0001	0.92	U			#	0.92
	pCi/L	03/30/2001	0002	0.92	U			#	0.92
	pCi/L	06/07/2001	0001	1.5	U			#	1.48
	pCi/L	08/24/2001	0001	1.5	U			#	1.48