

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220),

Batch No: L010706

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DATE	TEST METHOD
L010706-002	15-MAY-01	EPRI-0105-132	PH	8.1	pH	DC	25-MAY-01	150.1	
			SE	0.54	ppm	BD	30-MAY-01	180	6020
			SO4=	4790.	ppm	JN	08-JUN-01	28	9036
			TDS	7773.	ppm	MC	17-MAY-01	7	160.1
			TSS	8.0	ppm	EH	21-MAY-01		160.2
			ZN	0.062	ppm	BD	30-MAY-01	180	6020
			AS	2.0	ppm	EH	30-MAY-01	180	6010
			CA	128.	ppm	EH	30-MAY-01	180	6010
			CD	<0.005	ppm	BD	30-MAY-01	180	6020
			CL-	303.	ppm	JN	11-JUN-01	28	325.2
			CO3	<1.0	ppm CaCO3	DC	25-MAY-01		310.1
			COND.	3560.	umhos/cm2	BD	18-MAY-01	28	120.1
L010706-003	15-MAY-01	EPRI-0105-242	CR	<0.010	ppm	BD	30-MAY-01	180	6020
			CU	<0.025	ppm	BD	30-MAY-01		6020
			F-	3.6	ppm	EH	21-MAY-01	28	340.2
			FE	0.27	ppm	EH	25-JUN-01	180	6010
			HCO3	318.	ppm	DC	25-MAY-01	14	310.1
			K	61.	ppm	EH	30-MAY-01	180	6010
			MG	51.	ppm	EH	30-MAY-01	180	6010
			NA	603.	ppm	EH	30-MAY-01	180	6010
			NO2/NO3	5.3	ppm	JN	12-JUN-01	28	353.2
			PB	<0.003	ppm	BD	30-MAY-01	180	6020
			PH	7.7	pH	DC	25-MAY-01		150.1
			SE	0.26	ppm	BD	30-MAY-01	180	6020
L010706-004	15-MAY-01	EPRI-0105-130	SO4=	1225.	ppm	JN	08-JUN-01	28	9036
			TDS	2576.	ppm	MC	17-MAY-01	7	160.1
			TSS	17.	ppm	EH	21-MAY-01		160.2
			ZN	0.023	ppm	BD	30-MAY-01	180	6020
			AS	1.3	ppm	BD	30-MAY-01	180	6020
			CA	178.	ppm	EH	30-MAY-01	180	6010
			CD	<0.005	ppm	BD	30-MAY-01	180	6020
			CL-	502.	ppm	JN	11-JUN-01	28	325.2
			CO3	<1.0	ppm CaCO3	DC	25-MAY-01		310.1
			COND.	4400.	umhos/cm2	BD	18-MAY-01	28	120.1
			CR	<0.010	ppm	BD	30-MAY-01	180	6020
			CU	<0.025	ppm	BD	30-MAY-01		6020
			F-	3.1	ppm	EH	21-MAY-01	28	340.2

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L010706-004	15-MAY-01	EPRI-0105-130	FE	<0.10	ppm	EH	25-JUN-01	180	6010
			HCO3	315.	ppm	DC	25-MAY-01	14	310.1
			K	59.	ppm	EH	30-MAY-01	180	6010
			MG	73.	ppm	EH	30-MAY-01	180	6010
			NA	771.	ppm	EH	30-MAY-01	180	6010
			NO2/NO3	5.3	ppm	JN	12-JUN-01	28	353.2
			PB	<0.003	ppm	BD	30-MAY-01	180	6020
			PH	7.6	pH	DC	25-MAY-01	150.1	
			SE	0.31	ppm	BD	30-MAY-01	180	6020
			SO4=	1665.	ppm	JN	08-JUN-01	28	9036
			TDS	3271.	ppm	MC	17-MAY-01	7	160.1
			TSS	3.1	ppm	EH	21-MAY-01	160.2	
			ZN	0.056	ppm	BD	30-MAY-01	180	6020
			AS	0.030	ppm	BD	30-MAY-01	180	6020
			CA	240.	ppm	EH	30-MAY-01	180	6010
			CD	<0.005	ppm	BD	30-MAY-01	180	6020
			CL-	926.	ppm	JN	11-JUN-01	28	325.2
			CO3	<1.0	ppm	DC	25-MAY-01	310.1	
			COND.	7110.	unhos/cm2	BD	18-MAY-01	28	120.1
			CR	0.16	ppm	BD	30-MAY-01	180	6020
L010706-005	15-MAY-01	EPRI-0105-131	CU	0.037	ppm	BD	30-MAY-01	6020	
			F-	1.9	ppm	EH	21-MAY-01	28	340.2
			FE	3.6	ppm	EH	30-MAY-01	180	6010
			HCO3	480.	ppm	DC	25-MAY-01	14	310.1
			K	36.	ppm	EH	30-MAY-01	180	6010
			MG	146.	ppm	EH	30-MAY-01	180	6010
			NA	1332.	ppm	EH	30-MAY-01	180	6010
			NO2/NO3	0.29	ppm	JN	12-JUN-01	28	353.2
			PB	0.034	ppm	BD	30-MAY-01	180	6020
			PH	7.5	pH	DC	25-MAY-01	150.1	
			SE	0.099	ppm	BD	30-MAY-01	180	6020
			SO4=	2789.	ppm	JN	08-JUN-01	28	9036
			TDS	5420.	ppm	MC	17-MAY-01	7	160.1
			TSS	49.	ppm	EH	21-MAY-01	160.2	
			ZN	0.091	ppm	BD	30-MAY-01	180	6020
			AS	0.028	ppm	BD	30-MAY-01	180	6020
			CA	243.	ppm	EH	30-MAY-01	180	6010
L010706-006	15-MAY-01	EPRI-0105-243							

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ANALYTICAL DATA REPORT

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LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE HOLD	
							ANALYZED	METHOD
L010706-006	15-MAY-01	EPRI-0105-243	CD	<0.005	ppm	BD	30-MAY-01	180 6020
			CL-	951.	ppm	JN	11-JUN-01	28 325.2
			CO3	<1.0	ppm CaCO3	DC	25-MAY-01	310.1
			COND.	7110.	umhos/cm2	BD	18-MAY-01	28 120.1
			CR	0.16	ppm	BD	30-MAY-01	180 6020
			CU	0.035	ppm	BD	30-MAY-01	6020
			F-	1.9	ppm	BD	21-MAY-01	28 340.2
			FE	4.1	ppm	EH	30-MAY-01	180 6010
			HCO3	496.	ppm CaCO3	DC	25-MAY-01	14 310.1
			K	37.	ppm	EH	30-MAY-01	180 6010
			MG	149.	ppm	EH	30-MAY-01	180 6010
			NA	1302.	ppm	EH	30-MAY-01	180 6010
			NO2/NO3	0.31	ppm	JN	12-JUN-01	28 353.2
			PB	0.036	ppm	BD	30-MAY-01	180 6020
			PH	7.4	pH	DC	25-MAY-01	150.1
			SE	0.094	ppm	BD	30-MAY-01	180 6020
			SO4=	2856.	ppm	JN	08-JUN-01	28 9036
			TDS	5477.	ppm	MC	17-MAY-01	7 160.1
			TSS	53.	ppm	EH	21-MAY-01	160.2
			ZN	0.094	ppm	BD	30-MAY-01	180 6020
L010706-007	15-MAY-01	EPRI-0105-128	AS	0.012	ppm	BD	30-MAY-01	180 6020
			CA	518.	ppm	EH	30-MAY-01	180 6010
			CD	<0.005	ppm	BD	30-MAY-01	180 6020
			CL-	1018.	ppm	JN	11-JUN-01	28 325.2
			CO3	<1.0	ppm CaCO3	DC	25-MAY-01	310.1
			COND.	8120.	umhos/cm2	BD	18-MAY-01	28 120.1
			CR	0.28	ppm	BD	30-MAY-01	180 6020
			CU	<0.025	ppm	BD	30-MAY-01	6020
			F-	1.6	ppm	BD	21-MAY-01	28 340.2
			FE	2.0	ppm	EH	30-MAY-01	180 6010
			HCO3	260.	ppm CaCO3	DC	25-MAY-01	14 310.1
			K	15.	ppm	EH	30-MAY-01	180 6010
			MG	204.	ppm	EH	30-MAY-01	180 6010
			NA	1272.	ppm	EH	30-MAY-01	180 6010
			NO2/NO3	38.	ppm	JN	12-JUN-01	28 353.2
			PB	<0.003	ppm	BD	30-MAY-01	180 6020
			PH	7.7	pH	DC	25-MAY-01	150.1
			SE	0.21	ppm	BD	30-MAY-01	180 6020

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L010706-007	15-MAY-01	EPRI-0105-128	SO4=	3716.	ppm	JN	08-JUN-01	28	9036
			TDS	6853.	ppm	MC	17-MAY-01	7	160.1
			TSS	4.4	ppm	EH	21-MAY-01		160.2
			ZN	0.057	ppm	BD	30-MAY-01	180	6020
			AS	8.8	ppm	EH	30-MAY-01	180	6010
			CA	526.	ppm	EH	30-MAY-01	180	6010
			CD	<0.005	ppm	BD	30-MAY-01	180	6020
			CL-	575.	ppm	JN	11-JUN-01	28	325.2
			CO3	<1.0	ppm CaCO3	DC	25-MAY-01		310.1
			COND.	6900.	umhos/cm2	BD	18-MAY-01	28	120.1
L010706-008	15-MAY-01	EPRI-0105-134	CR	<0.010	ppm	BD	30-MAY-01	180	6020
			CU	<0.025	ppm	BD	30-MAY-01		6020
			F-	2.9	ppm	EH	21-MAY-01	28	340.2
			FE	<0.10	ppm	EH	25-JUN-01	180	6010
			HCO3	340.	ppm CaCO3	DC	25-MAY-01	14	310.1
			K	47.	ppm	EH	30-MAY-01	180	6010
			MG	122.	ppm	EH	30-MAY-01	180	6010
			NA	1269.	ppm	EH	30-MAY-01	180	6010
			NO2/NO3	38.	ppm	JN	12-JUN-01	28	353.2
			PB	<0.003	ppm	BD	30-MAY-01	180	6020
			PH	7.8	ph	DC	25-MAY-01		150.1
			SE	0.29	ppm	BD	30-MAY-01	180	6020
			SO4=	3599.	ppm	JN	08-JUN-01	28	9036
			TDS	5927.	ppm	MC	18-MAY-01	7	160.1
			TSS	4.0	ppm	EH	21-MAY-01		160.2
			ZN	0.024	ppm	BD	30-MAY-01	180	6020
			AS	0.95	ppm	BD	30-MAY-01	180	6020
			CA	228.	ppm	EH	30-MAY-01	180	6010
			CD	<0.005	ppm	BD	30-MAY-01	180	6020
L010706-009	15-MAY-01	EPRI-0105-175	CL-	643.	ppm	JN	11-JUN-01	28	325.2
			CO3	<1.0	ppm CaCO3	DC	25-MAY-01		310.1
			COND.	5400.	umhos/cm2	BD	18-MAY-01	28	120.1
			CR	<0.010	ppm	BD	30-MAY-01	180	6020
			CU	<0.025	ppm	BD	30-MAY-01		6020
			F-	2.8	ppm	EH	21-MAY-01	28	340.2
			FE	1.6	ppm	EH	30-MAY-01	180	6010
			HCO3	240.	ppm CaCO3	DC	25-MAY-01	14	310.1

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LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE HOLD ANALYZED	NO. OF DAYS METHOD
L010706-009	15-MAY-01	EPRI-0105-175	K	76.	ppm	EH	30-MAY-01 180	6010
			MG	71.	ppm	EH	30-MAY-01 180	6010
			NA	915.	ppm	EH	30-MAY-01 180	6010
			NO2/NO3	0.16	ppm	JN	12-JUN-01 28	353.2
			PB	<0.003	ppm	BD	30-MAY-01 180	6020
			PH	7.5	pH	DC	25-MAY-01	150.1
			SE	0.005	ppm	BD	30-MAY-01 180	6020
			SO4=	2395.	ppm	JN	08-JUN-01 28	9036
			TDS	3997.	ppm	MC	18-MAY-01 7	160.1
			TSS	3.5	ppm	EH	21-MAY-01	160.2
			ZN	<0.020	ppm	BD	30-MAY-01 180	6020
			AS	0.012	ppm	BD	30-MAY-01 180	6020
			CA	257.	ppm	EH	30-MAY-01 180	6010
			CD	<0.005	ppm	BD	30-MAY-01 180	6020
			CL-	506.	ppm	JN	11-JUN-01 28	325.2
			CO3	<1.0	ppm CaCO3	DC	25-MAY-01	310.1
			COND.	7200.	umhos/cm2	BD	18-MAY-01 28	120.1
L010706-010	15-MAY-01	EPRI-0105-176	CR	<0.010	ppm	BD	30-MAY-01 180	6020
			CU	<0.025	ppm	BD	30-MAY-01	6020
			F-	1.8	ppm	EH	21-MAY-01 28	340.2
			FE	0.22	ppm	EH	25-JUN-01 180	6010
			HCO3	488.	ppm CaCO3	DC	25-MAY-01 14	310.1
			K	115.	ppm	EH	30-MAY-01 180	6010
			MG	133.	ppm	EH	30-MAY-01 180	6010
			NA	1106.	ppm	EH	30-MAY-01 180	6010
			NO2/NO3	0.19	ppm	JN	12-JUN-01 28	353.2
			PB	<0.003	ppm	BD	30-MAY-01 180	6020
			PH	7.5	pH	DC	25-MAY-01	150.1
			SE	0.010	ppm	BD	30-MAY-01 180	6020
			SO4=	2300.	ppm	JN	08-JUN-01 28	9036
			TDS	5158.	ppm	MC	18-MAY-01 7	160.1
			TSS	<1.0	ppm	EH	21-MAY-01	160.2
			ZN	0.022	ppm	BD	30-MAY-01 180	6020
L010706-011	15-MAY-01	EPRI-0105-177	AS	0.007	ppm	BD	30-MAY-01 180	6020
			CA	107.	ppm	EH	30-MAY-01 180	6010
			CD	<0.005	ppm	BD	30-MAY-01 180	6020
			CL-	369.	ppm	JN	11-JUN-01 28	325.2

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Batch No: L010706

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L010706-011	15-MAY-01	EPRI-0105-177	CO3	<1.0	ppm CaCO3	DC	25-MAY-01		310.1
			COND.	3420.	umhos/cm2	BD	18-MAY-01	28	120.1
			CR	<0.010	ppm	BD	30-MAY-01	180	6020
			CU	<0.025	ppm	BD	30-MAY-01		6020
			F-	3.0	ppm	EH	21-MAY-01	28	340.2
			FE	0.48	ppm	EH	25-JUN-01	180	6010
			HCO3	266.	ppm CaCO3	DC	25-MAY-01	14	310.1
			K	42.	ppm	EH	30-MAY-01	180	6010
			MG	50.	ppm	EH	30-MAY-01	180	6010
			NA	577.	ppm	EH	30-MAY-01	180	6010
			NO2/NO3	0.16	ppm	JN	12-JUN-01	28	353.2
			PB	<0.003	ppm	BD	30-MAY-01	180	6020
			PH	7.7	pH	DC	25-MAY-01		150.1
			SE	<0.005	ppm	BD	30-MAY-01	180	6020
			SO4=	1293.	ppm	JN	08-JUN-01	28	9036
			TDS	2373.	ppm	MC	18-MAY-01	7	160.1
			TSS	<1.0	ppm	EH	21-MAY-01		160.2
			ZN	<0.020	ppm	BD	30-MAY-01	180	6020
L010706-012	15-MAY-01	EPRI-0105-244	AS	<0.005	ppm	BD	30-MAY-01	180	6020
			CA	<1.0	ppm	EH	30-MAY-01	180	6010
			CD	<0.005	ppm	BD	30-MAY-01	180	6020
			CL-	<1.0	ppm	JN	11-JUN-01	28	325.2
			CO3	<1.0	ppm CaCO3	DC	25-MAY-01		310.1
			COND.	<5.0	umhos/cm2	BD	18-MAY-01	28	120.1
			CR	<0.010	ppm	BD	30-MAY-01	180	6020
			CU	<0.025	ppm	BD	30-MAY-01		6020
			F-	<0.050	ppm	EH	21-MAY-01	28	340.2
			FE	<0.10	ppm	EH	25-JUN-01	180	6010
			HCO3	<1.0	ppm CaCO3	DC	25-MAY-01	14	310.1
			K	<2.0	ppm	EH	30-MAY-01	180	6010
			MG	<1.0	ppm	EH	30-MAY-01	180	6010
			NA	<2.0	ppm	EH	30-MAY-01	180	6010
			NO2/NO3	<0.10	ppm	JN	12-JUN-01	28	353.2
			PB	<0.003	ppm	BD	30-MAY-01	180	6020
			PH	5.4	pH	DC	25-MAY-01		150.1
			SE	<0.005	ppm	BD	30-MAY-01	180	6020
			SO4=	<2.0	ppm	JN	08-JUN-01	28	9036
			TDS	<10.	ppm	MC	18-MAY-01	7	160.1

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El Paso

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L010706-012	15-MAY-01	EPRI-0105-244	TSS	<1.0	ppm	EH	21-MAY-01	180	160.2
			ZN	<0.020	ppm	BD	30-MAY-01	180	6020
			AS	0.93	ppm	BD	30-MAY-01	180	6020
			CA	461.	ppm	EH	30-MAY-01	180	6010
			CD	0.087	ppm	BD	30-MAY-01	180	6020
			CL-	612.	ppm	JN	11-JUN-01	28	325.2
			CO3	<1.0	ppm CaCO3	DC	25-MAY-01	310.1	
			COND.	8920.	umhos/cm2	BD	18-MAY-01	28	120.1
			CR	<0.010	ppm	BD	30-MAY-01	180	6020
			CU	<0.025	ppm	BD	30-MAY-01	180	6020
			F-	2.1	ppm	EH	21-MAY-01	28	340.2
			FE	2.8	ppm	EH	30-MAY-01	180	6010
			HCO3	255.	ppm CaCO3	DC	25-MAY-01	14	310.1
			K	54.	ppm	EH	30-MAY-01	180	6010
			MG	233.	ppm	EH	30-MAY-01	180	6010
			NA	1457.	ppm	EH	30-MAY-01	180	6010
			NO2/NO3	118.	ppm	JN	13-JUN-01	28	353.2
			PB	0.006	ppm	BD	30-MAY-01	180	6020
			PH	7.3	pH	DC	25-MAY-01	150.1	
			SE	0.34	ppm	BD	30-MAY-01	180	6020
			SO4=	4517.	ppm	JN	08-JUN-01	28	9036
			TDS	7798.	ppm	MC	18-MAY-01	7	160.1
			TSS	107.	ppm	EH	21-MAY-01	160.2	
			ZN	0.040	ppm	BD	30-MAY-01	180	6020
			AS	0.92	ppm	BD	30-MAY-01	180	6020
			CA	479.	ppm	EH	30-MAY-01	180	6010
			CD	0.091	ppm	BD	30-MAY-01	180	6020
			CL-	705.	ppm	JN	11-JUN-01	28	325.2
			CO3	<1.0	ppm CaCO3	DC	25-MAY-01	310.1	
			COND.	8870.	umhos/cm2	BD	18-MAY-01	28	120.1
			CR	<0.010	ppm	BD	30-MAY-01	180	6020
			CU	<0.025	ppm	BD	30-MAY-01	180	6020
			F-	1.9	ppm	EH	21-MAY-01	28	340.2
			FE	2.1	ppm	EH	30-MAY-01	180	6010
			HCO3	270.	ppm CaCO3	DC	25-MAY-01	14	310.1
			K	59.	ppm	EH	30-MAY-01	180	6010
			MG	244.	ppm	EH	30-MAY-01	180	6010

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L010706-014	16-MAY-01	EPRI-0105-245	NA	1543.	ppm	EH	30-MAY-01	180	6010	
			NO2/NO3	116.	ppm	JN	13-JUN-01	28	353.2	
			PB	0.004	ppm	BD	30-MAY-01	180	6020	
			PH	7.4	pH	DC	25-MAY-01		150.1	
			SE	0.34	ppm	BD	30-MAY-01	180	6020	
			SO4=	4454.	ppm	JN	08-JUN-01	28	9036	
			TDS	7760.	ppm	MC	18-MAY-01	7	160.1	
			TSS	94.	ppm	EH	21-MAY-01		160.2	
			ZN	0.039	ppm	BD	30-MAY-01	180	6020	
			AS	0.27	ppm	BD	30-MAY-01	180	6020	
			CA	49.	ppm	EH	30-MAY-01	180	6010	
			CD	<0.005	ppm	BD	30-MAY-01	180	6020	
L010706-015	16-MAY-01	EPRI-0105-115	CL-	361.	ppm	JN	11-JUN-01	28	325.2	
			CO3	<1.0	ppm	CaCO3	DC	25-MAY-01	310.1	
			COND.	3260.	unthos/cm2	BD	18-MAY-01	28	120.1	
			CR	<0.010	ppm	BD	30-MAY-01	180	6020	
			CU	<0.025	ppm	BD	30-MAY-01		6020	
			F-	2.9	ppm	EH	21-MAY-01	28	340.2	
			FE	<0.10	ppm	EH	25-JUN-01	180	6010	
			HCO3	240.	ppm	CaCO3	DC	25-MAY-01	14	310.1
			K	20.	ppm	EH	30-MAY-01	180	6010	
			MG	20.	ppm	EH	30-MAY-01	180	6010	
			NA	618.	ppm	EH	30-MAY-01	180	6010	
			NO2/NO3	8.2	ppm	JN	12-JUN-01	28	353.2	
L010706-016	16-MAY-01	EPRI-0105-116	PB	<0.003	ppm	BD	30-MAY-01	180	6020	
			PH	8.1	pH	DC	25-MAY-01		150.1	
			SE	0.16	ppm	BD	30-MAY-01	180	6020	
			SO4=	1044.	ppm	JN	08-JUN-01	28	9036	
			TDS	2223.	ppm	MC	18-MAY-01	7	160.1	
			TSS	188.	ppm	EH	21-MAY-01		160.2	
			ZN	<0.020	ppm	BD	30-MAY-01	180	6020	
			AS	0.67	ppm	BD	30-MAY-01	180	6020	
			CA	414.	ppm	EH	30-MAY-01	180	6010	
			CD	<0.005	ppm	BD	30-MAY-01	180	6020	
			CL-	524.	ppm	JN	11-JUN-01	28	325.2	
			CO3	<1.0	ppm	CaCO3	DC	25-MAY-01	310.1	
COND.	6460.	unthos/cm2	BD	18-MAY-01	28	120.1				

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L010706

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L010706-016	16-MAY-01	EPRI-0105-116	CR	0.044	ppm	BD	30-MAY-01	180	6020
			CU	<0.025	ppm	BD	30-MAY-01		6020
			F-	1.0	ppm	EH	21-MAY-01	28	340.2
			FE	1.9	ppm	EH	30-MAY-01	180	6010
			HCO3	497.	ppm	DC	25-MAY-01	14	310.1
			K	19.	ppm	EH	30-MAY-01	180	6010
			MG	138.	ppm	EH	30-MAY-01	180	6010
			NA	1053.	ppm	EH	30-MAY-01	180	6010
			NO2/NO3	61.	ppm	JN	13-JUN-01	28	353.2
			PB	0.008	ppm	BD	30-MAY-01	180	6020
			PH	7.5	ppm	DC	25-MAY-01		150.1
			SE	0.96	ppm	BD	30-MAY-01	180	6020
			SO4=	2895.	ppm	JN	08-JUN-01	28	9036
			TDS	5335.	ppm	MC	18-MAY-01	7	160.1
			TSS	96.	ppm	EH	21-MAY-01		160.2
			ZN	0.022	ppm	BD	30-MAY-01	180	6020
L010706-017	16-MAY-01	EPRI-0105-183	AS	<0.005	ppm	BD	30-MAY-01	180	6020
			CA	68.	ppm	EH	30-MAY-01	180	6010
			CD	<0.005	ppm	BD	30-MAY-01	180	6020
			CL-	90.	ppm	JN	11-JUN-01	28	325.2
			CO3	<1.0	ppm	DC	25-MAY-01		310.1
			COND.	946.	umhos/cm2	BD	18-MAY-01	28	120.1
			CR	<0.010	ppm	BD	30-MAY-01	180	6020
			CU	<0.025	ppm	BD	30-MAY-01		6020
			F-	0.70	ppm	EH	21-MAY-01	28	340.2
			FE	3.0	ppm	EH	30-MAY-01	180	6010
			HCO3	170.	ppm	DC	25-MAY-01	14	310.1
			K	9.1	ppm	EH	30-MAY-01	180	6010
			MG	16.	ppm	EH	30-MAY-01	180	6010
			NA	116.	ppm	EH	30-MAY-01	180	6010
			NO2/NO3	0.53	ppm	JN	12-JUN-01	28	353.2
			PB	<0.003	ppm	BD	30-MAY-01	180	6020
			PH	8.3	ppm	DC	25-MAY-01		150.1
			SE	<0.005	ppm	BD	30-MAY-01	180	6020
			SO4=	207.	ppm	JN	08-JUN-01	28	9036
			TDS	606.	ppm	MC	18-MAY-01	7	160.1
L010706-018	16-MAY-01	EPRI-0105-184	TSS	265.	ppm	EH	21-MAY-01		160.2
			ZN	<0.020	ppm	BD	30-MAY-01	180	6020

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L010706

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE		HOLD
							ANALYZED	SAYS	
L010706-018	16-MAY-01	EPRI-0105-188	AS	<0.005	ppm	BD	30-MAY-01	180	6020
			CA	69.	ppm	EH	30-MAY-01	180	6010
			CD	<0.005	ppm	BD	30-MAY-01	180	6020
			CL-	117.	ppm	JN	11-JUN-01	28	325.2
			CO3	<1.0	ppm CaCO3	DC	25-MAY-01		310.1
			COND.	996.	umhos/cm2	BD	18-MAY-01	28	120.1
			CR	<0.010	ppm	BD	30-MAY-01	180	6020
			CU	<0.025	ppm	BD	30-MAY-01		6020
			F-	0.71	ppm	EH	21-MAY-01	28	340.2
			FE	2.2	ppm	EH	30-MAY-01	180	6010
			HCO3	172.	ppm CaCO3	DC	25-MAY-01	14	310.1
			K	10.	ppm	EH	30-MAY-01	180	6010
			MG	16.	ppm	EH	30-MAY-01	180	6010
			NA	126.	ppm	EH	30-MAY-01	180	6010
			NO2/NO3	0.59	ppm	JN	12-JUN-01	28	353.2
			PB	<0.003	ppm	BD	30-MAY-01	180	6020
			PH	8.2	pH	DC	25-MAY-01		150.1
			SE	<0.005	ppm	BD	30-MAY-01	180	6020
			SO4=	231.	ppm	JN	08-JUN-01	28	9036
			TDS	629.	ppm	MC	18-MAY-01	7	160.1
			TSS	214.	ppm	EH	21-MAY-01		160.2
			ZN	<0.020	ppm	BD	30-MAY-01	180	6020
L010706-019	16-MAY-01	EPRI-0105-246	AS	<0.005	ppm	BD	30-MAY-01	180	6020
			CA	68.	ppm	EH	30-MAY-01	180	6010
			CD	<0.005	ppm	BD	30-MAY-01	180	6020
			CL-	103.	ppm	JN	11-JUN-01	28	325.2
			CO3	<1.0	ppm CaCO3	DC	25-MAY-01		310.1
			COND.	1000.	umhos/cm2	BD	18-MAY-01	28	120.1
			CR	<0.010	ppm	BD	30-MAY-01	180	6020
			CU	<0.025	ppm	BD	30-MAY-01		6020
			F-	0.69	ppm	EH	21-MAY-01	28	340.2
			FE	3.4	ppm	EH	30-MAY-01	180	6010
			HCO3	166.	ppm CaCO3	DC	25-MAY-01	14	310.1
			K	9.7	ppm	EH	30-MAY-01	180	6010
			MG	16.	ppm	EH	30-MAY-01	180	6010
			NA	123.	ppm	EH	30-MAY-01	180	6010
			NO2/NO3	0.62	ppm	JN	12-JUN-01	28	353.2
			PB	<0.003	ppm	BD	30-MAY-01	180	6020

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L010706

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L010706-019	16-MAY-01	EPRI-0105-246	PH	8.3	PH	DC	25-MAY-01	150.1	
			SE	<0.005	ppm	BD	30-MAY-01	180	6020
			SO4=	235.	ppm	JN	08-JUN-01	28	9036
			TDS	637.	ppm	MC	18-MAY-01	7	160.1
			TSS	223.	ppm	EH	21-MAY-01		160.2
			ZN	<0.020	ppm	BD	30-MAY-01	180	6020
			AS	<0.005	ppm	BD	30-MAY-01	180	6020
			CA	67.	ppm	EH	30-MAY-01	180	6010
			CD	<0.005	ppm	BD	30-MAY-01	180	6020
			CL-	106.	ppm	JN	11-JUN-01	28	325.2
			CO3	<1.0	ppm CaCO3	DC	25-MAY-01		310.1
			COND.	1001.	umhos/cm2	BD	18-MAY-01	28	120.1
			CR	<0.010	ppm	BD	30-MAY-01	180	6020
			CU	<0.025	ppm	BD	30-MAY-01		6020
L010706-020	16-MAY-01	EPRI-0105-185	F-	0.69	ppm	EH	21-MAY-01	28	340.2
			FE	2.4	ppm	EH	30-MAY-01	180	6010
			HCO3	173.	ppm CaCO3	DC	25-MAY-01	14	310.1
			K	9.7	ppm	EH	30-MAY-01	180	6010
			MG	16.	ppm	EH	30-MAY-01	180	6010
			NA	124.	ppm	JN	12-JUN-01	28	353.2
			NO2/NO3	0.53	ppm	BD	30-MAY-01	180	6020
			PB	<0.003	ppm	BD	25-MAY-01		150.1
			PH	8.3	PH	DC	30-MAY-01	180	6020
			SE	<0.005	ppm	BD	08-JUN-01	28	9036
			SO4=	226.	ppm	JN	18-MAY-01	7	160.1
			TDS	638.	ppm	MC	21-MAY-01		160.2
			TSS	228.	ppm	EH	30-MAY-01	180	6020
			ZN	0.020	ppm	BD			
L010706-021	16-MAY-01	EPRI-0105-187	AS	<0.005	ppm	BD	30-MAY-01	180	6020
			CA	71.	ppm	EH	30-MAY-01	180	6010
			CD	<0.005	ppm	BD	30-MAY-01	180	6020
			CL-	108.	ppm	JN	11-JUN-01	28	325.2
			CO3	<1.0	ppm CaCO3	DC	25-MAY-01		310.1
			COND.	1000.	umhos/cm2	BD	18-MAY-01	28	120.1
			CR	<0.010	ppm	BD	30-MAY-01	180	6020
			CU	<0.025	ppm	BD	30-MAY-01		6020
			F-	0.67	ppm	EH	24-MAY-01	28	340.2

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L010706

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE		HOLD
							ANALYZED	DAYS	
L010706-021	16-MAY-01	EPRI-0105-187	FE	2.7	ppm	EH	30-MAY-01	180	6010
			HCO3	170.	ppm CaCO3	DC	25-MAY-01	14	310.1
			K	9.9	ppm	EH	30-MAY-01	180	6010
			MG	17.	ppm	EH	30-MAY-01	180	6010
			NA	125.	ppm	EH	30-MAY-01	180	6010
			NO2/NO3	0.64	ppm	JN	12-JUN-01	28	353.2
			PB	<0.003	ppm	BD	30-MAY-01	180	6020
			PH	8.2	pH	DC	25-MAY-01	180	150.1
			SE	<0.005	ppm	BD	30-MAY-01	180	6020
			SO4=	218.	ppm	JN	08-JUN-01	28	9036
			TDS	638.	ppm	MC	18-MAY-01	7	160.1
			TSS	191.	ppm	EH	21-MAY-01	160.2	
			ZN	<0.020	ppm	BD	30-MAY-01	180	6020
			AS	<0.005	ppm	BD	30-MAY-01	180	6020
			CA	215.	ppm	EH	30-MAY-01	180	6010
			CD	<0.005	ppm	BD	30-MAY-01	180	6020
			CL-	880.	ppm	JN	11-JUN-01	28	325.2
			CO3	<1.0	ppm CaCO3	DC	25-MAY-01	310.1	
			COND.	5580.	umhos/cm2	BD	18-MAY-01	28	120.1
			CR	<0.010	ppm	BD	30-MAY-01	180	6020
L010706-022	16-MAY-01	EPRI-0105-195	CU	<0.025	ppm	BD	30-MAY-01	6020	
			F-	0.82	ppm	EH	24-MAY-01	28	340.2
			FE	3.5	ppm	EH	30-MAY-01	180	6010
			HCO3	175.	ppm CaCO3	DC	25-MAY-01	14	310.1
			K	32.	ppm	EH	30-MAY-01	180	6010
			MG	123.	ppm	EH	30-MAY-01	180	6010
			NA	930.	ppm	EH	30-MAY-01	180	6010
			NO2/NO3	0.19	ppm	JN	12-JUN-01	28	353.2
			PB	0.007	ppm	BD	30-MAY-01	180	6020
			PH	7.8	pH	DC	25-MAY-01	180	150.1
			SE	<0.005.	ppm	BD	30-MAY-01	180	6020
			SO4=	1856.	ppm	JN	08-JUN-01	28	9036
			TDS	4161.	ppm	MC	18-MAY-01	7	160.1
			TSS	31.	ppm	EH	21-MAY-01	160.2	
			ZN	<0.020	ppm	BD	30-MAY-01	180	6020
			AS	7.1	ppm	EH	30-MAY-01	180	6010
			CA	342.	ppm	EH	30-MAY-01	180	6010
L010706-023	16-MAY-01	EPRI-0105-247							

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L010706

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L010706-023	16-MAY-01	EPRI-0105-247	CD	0.024	ppm	BD	30-MAY-01	180	6020
			CL-	559.	ppm	JN	11-JUN-01	28	325.2
			CO3	<1.0	ppm CaCO3	DC	25-MAY-01		310.1
			COND.	3950.	umhos/cm2	BD	18-MAY-01	28	120.1
			CR	0.018	ppm	BD	30-MAY-01	180	6020
			CU	0.087	ppm	BD	30-MAY-01		6020
			F-	4.5	ppm	EH	24-MAY-01	28	340.2
			FE	22.	ppm	EH	30-MAY-01	180	6010
			HCO3	437.	ppm CaCO3	DC	25-MAY-01	14	310.1
			K	39.	ppm	EH	30-MAY-01	180	6010
			MG	133.	ppm	EH	30-MAY-01	180	6010
			NA	757.	ppm	EH	30-MAY-01	180	6010
			NO2/NO3	0.29	ppm	JN	12-JUN-01	28	353.2
			PB	0.19	ppm	BD	30-MAY-01	180	6020
			PH	7.9	pH	DC	25-MAY-01		150.1
			SE	<0.005	ppm	BD	30-MAY-01	180	6020
			SO4=	1139.	ppm	JN	08-JUN-01	28	9036
			TDS	2738.	ppm	MC	18-MAY-01	7	160.1
			TSS	851.	ppm	EH	21-MAY-01		160.2
			ZN	0.16	ppm	BD	30-MAY-01	180	6020
L010706-024	16-MAY-01	EPRI-0105-126	AS	3.7	ppm	EH	30-MAY-01	180	6010
			CA	477.	ppm	EH	25-JUN-01	180	6010
			CD	<0.005	ppm	BD	30-MAY-01	180	6020
			CL-	1020.	ppm	JN	11-JUN-01	28	325.2
			CO3	<1.0	ppm CaCO3	DC	25-MAY-01		310.1
			COND.	11080.	umhos/cm2	BD	18-MAY-01	28	120.1
			CR	<0.010	ppm	BD	30-MAY-01	180	6020
			CU	<0.025	ppm	BD	30-MAY-01		6020
			F-	4.9	ppm	EH	24-MAY-01	28	340.2
			FE	0.50	ppm	EH	25-JUN-01	180	6010
			HCO3	1020.	ppm CaCO3	DC	25-MAY-01	14	310.1
			K	244.	ppm	EH	30-MAY-01	180	6010
			MG	215.	ppm	EH	30-MAY-01	180	6010
			NA	1645.	ppm	EH	30-MAY-01	180	6010
			NO2/NO3	0.28	ppm	JN	12-JUN-01	28	353.2
			PB	<0.003	ppm	BD	30-MAY-01	180	6020
			PH	7.2	pH	DC	25-MAY-01		150.1
			SE	0.029	ppm	BD	30-MAY-01	180	6020

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L010706

LAB NO.	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE		HOLD
							ANALYZED	DAYS	
L010706-024	16-MAY-01	EPRI-0105-126	SO4=	5489.	ppm	JN	08-JUN-01	28	9036
			TDS	8775.	ppm	MC	18-MAY-01	7	160.1
			TSS	5.5	ppm	EH	21-MAY-01		160.2
			ZN	<0.020	ppm	BD	30-MAY-01	180	6020
			AS	0.023	ppm	BD	30-MAY-01	180	6020
			CA	341.	ppm	EH	25-JUN-01	180	6010
			CD	<0.005	ppm	BD	30-MAY-01	180	6020
			CL-	877.	ppm	JN	11-JUN-01	28	325.2
			CO3	<1.0	ppm CaCO3	DC	25-MAY-01		310.1
			COND.	8000.	umhos/cm2	BD	18-MAY-01	28	120.1
L010706-025	16-MAY-01	EPRI-0105-129	CR	<0.010	ppm	BD	30-MAY-01	180	6020
			CU	<0.025	ppm	BD	30-MAY-01		6020
			F-	1.6	ppm	EH	24-MAY-01	28	340.2
			FE	0.50	ppm	EH	25-JUN-01	14	310.1
			HCO3	426.	ppm CaCO3	DC	30-MAY-01	180	6010
			K	18.	ppm	EH	30-MAY-01	180	6010
			MG	149.	ppm	EH	30-MAY-01	180	6010
			NA	1364.	ppm	EH	30-MAY-01	180	6010
			NO2/NO3	113.	ppm	JN	13-JUN-01	28	353.2
			PB	<0.003	ppm	BD	30-MAY-01	180	6020
			PH	7.5	pH	DC	25-MAY-01		150.1
			SE	0.31	ppm	BD	30-MAY-01	180	6020
			SO4=	7281.	ppm	JN	08-JUN-01	28	9036
			TDS	6558.	ppm	MC	18-MAY-01	7	160.1
			TSS	3.0	ppm	EH	21-MAY-01		160.2
			ZN	<0.020	ppm	BD	30-MAY-01	180	6020
			AS	0.059	ppm	BD	30-MAY-01	180	6020
			CA	287.	ppm	EH	25-JUN-01	180	6010
			CD	<0.005	ppm	BD	30-MAY-01	180	6020
			CL-	673.	ppm	JN	11-JUN-01	28	325.2
L010706-026	16-MAY-01	EPRI-0105-133	CO3	<1.0	ppm CaCO3	DC	25-MAY-01		310.1
			COND.	6290.	umhos/cm2	BD	18-MAY-01	28	120.1
			CR	<0.010	ppm	BD	30-MAY-01	180	6020
			CU	<0.025	ppm	BD	30-MAY-01		6020
			F-	1.9	ppm	EH	24-MAY-01	28	340.2
			FE	<0.10	ppm	EH	25-JUN-01	180	6010
			HCO3	536.	ppm CaCO3	DC	25-MAY-01	14	310.1

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L010706

LAB NO.	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L010706-026	16-MAY-01	EPRI-0105-133	K	21.	ppm	EH	30-MAY-01	180	6010
			MG	112.	ppm	EH	30-MAY-01	180	6010
			NA	1072.	ppm	EH	30-MAY-01	180	6010
			NO2/NO3	25.	ppm	JN	12-JUN-01	28	353.2
			PB	<0.003	ppm	BD	30-MAY-01	180	6020
			PH	7.4	pH	DC	25-MAY-01	150.1	
			SE	0.22	ppm	BD	30-MAY-01	180	6020
			SO4=	2967.	ppm	JN	08-JUN-01	28	9036
			TDS	5038.	ppm	MC	18-MAY-01	7	160.1
			TSS	6.7	ppm	EH	21-MAY-01	160.2	
			ZN	<0.020	ppm	BD	30-MAY-01	180	6020
			AS	0.32	ppm	BD	30-MAY-01	180	6020
			CA	209.	ppm	EH	25-JUN-01	180	6010
			CD	<0.005	ppm	BD	30-MAY-01	180	6020
			CL-	600.	ppm	JN	11-JUN-01	28	325.2
			CO3	<1.0	ppm	DC	25-MAY-01	310.1	
			COND.	5160.	umhos/cm2	BD	18-MAY-01	28	120.1
			CR	<0.010	ppm	BD	30-MAY-01	180	6020
			CU	<0.025	ppm	BD	30-MAY-01	6020	
			F-	0.99	ppm	EH	24-MAY-01	28	340.2
L010706-027	16-MAY-01	EPRI-0105-125	FE	0.93	ppm	EH	25-JUN-01	180	6010
			HCO3	1460.	ppm	DC	25-MAY-01	14	310.1
			K	20.	ppm	EH	30-MAY-01	180	6010
			MG	141.	ppm	EH	30-MAY-01	180	6010
			NA	782.	ppm	EH	30-MAY-01	180	6010
			NO2/NO3	1.6	ppm	JN	12-JUN-01	28	353.2
			PB	<0.003	ppm	BD	30-MAY-01	180	6020
			PH	7.5	pH	DC	25-MAY-01	150.1	
			SE	<0.005	ppm	BD	30-MAY-01	180	6020
			SO4=	1348.	ppm	JN	08-JUN-01	28	9036
			TDS	3711.	ppm	MC	18-MAY-01	7	160.1
			TSS	27.	ppm	EH	21-MAY-01	160.2	
			ZN	<0.020	ppm	BD	30-MAY-01	180	6020
			AS	0.057	ppm	BD	30-MAY-01	180	6020
			CA	19.	ppm	EH	25-JUN-01	180	6010
			CD	<0.005	ppm	BD	30-MAY-01	180	6020
			CL-	782.	ppm	JN	11-JUN-01	28	325.2
L010706-028	16-MAY-01	EPRI-0105-109	AS	0.057	ppm	BD	30-MAY-01	180	6020
			CA	19.	ppm	EH	25-JUN-01	180	6010

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L010706

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L010706-028	16-MAY-01	EPRI-0105-109	CO3	<1.0	ppm CaCO3	DC	25-MAY-01	310.1	
			COND.	4740.	umhos/cm2	BD	18-MAY-01	28	120.1
			CR	<0.010	ppm	BD	30-MAY-01	180	6020
			CU	<0.025	ppm	BD	30-MAY-01		6020
			F-	7.0	ppm	EH	24-MAY-01	28	340.2
			FE	1.9	ppm	EH	25-JUN-01	180	6010
			HCO3	1672.	ppm CaCO3	DC	25-MAY-01	14	310.1
			K	285.	ppm	EH	30-MAY-01	180	6010
			MG	27.	ppm	EH	30-MAY-01	180	6010
			NA	711.	ppm	EH	30-MAY-01	180	6010
			NO2/NO3	0.30	ppm	JN	12-JUN-01	28	353.2
			PB	0.006	ppm	BD	30-MAY-01	180	6020
			PH	7.8	pH	DC	25-MAY-01		150.1
			SE	0.010	ppm	BD	30-MAY-01	180	6020
			SO4=	138.	ppm	JN	08-JUN-01	28	9036
			TDS	2756.	ppm	MC	18-MAY-01	7	160.1
			TSS	32.	ppm	EH	21-MAY-01		160.2
			ZN	0.32	ppm	BD	30-MAY-01	180	6020
L010706-029	16-MAY-01	EPRI-0105-112	AS	0.055	ppm	BD	30-MAY-01	180	6020
			CA	103.	ppm	EH	25-JUN-01	180	6010
			CD	<0.005	ppm	BD	30-MAY-01	180	6020
			CL-	1005.	ppm	JN	11-JUN-01	28	325.2
			CO3	<1.0	ppm CaCO3	DC	25-MAY-01		310.1
			COND.	4500.	umhos/cm2	BD	18-MAY-01	28	120.1
			CR	<0.010	ppm	BD	30-MAY-01	180	6020
			CU	<0.025	ppm	BD	30-MAY-01		6020
			F-	2.6	ppm	EH	24-MAY-01	28	340.2
			FE	<0.10	ppm	EH	25-JUN-01	180	6010
			HCO3	1136.	ppm CaCO3	DC	25-MAY-01	14	310.1
			K	25.	ppm	EH	30-MAY-01	180	6010
			MG	30.	ppm	EH	30-MAY-01	180	6010
			NA	776.	ppm	EH	30-MAY-01	180	6010
			NO2/NO3	0.59	ppm	JN	12-JUN-01	28	353.2
			PB	<0.003	ppm	BD	30-MAY-01	180	6020
			PH	7.5	pH	DC	25-MAY-01		150.1
			SE	<0.005	ppm	BD	30-MAY-01	180	6020
			SO4=	204.	ppm	JN	08-JUN-01	28	9036
			TDS	2760.	ppm	MC	22-MAY-01	7	160.1

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L010706

LAP NO.	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD
L010706-029	16-MAY-01	EPRI-0105-112	TSS	20.	ppm	EH	21-MAY-01	160.2
			ZN	<0.020	ppm	BD	30-MAY-01	6020
L010706-030	16-MAY-01	EPRI-0105-113	AS	8.0	ppm	EH	30-MAY-01	180
			CA	84.	ppm	EH	25-JUN-01	6010
			CD	<0.005	ppm	BD	30-MAY-01	180
			CL-	1102.	ppm	JN	11-JUN-01	28
			CO3	<1.0	ppm	CaCO3	25-MAY-01	310.1
			COND.	5620.	unhos/cm2	BD	18-MAY-01	28
			CR	<0.010	ppm	BD	30-MAY-01	180
			CU	<0.025	ppm	BD	30-MAY-01	6020
			F-	1.9	ppm	EH	24-MAY-01	28
			FE	1.1	ppm	EH	25-JUN-01	180
			HCO3	1530.	ppm	CaCO3	25-MAY-01	14
			K	168.	ppm	EH	30-MAY-01	180
			MG	23.	ppm	EH	30-MAY-01	6010
			NA	919.	ppm	EH	30-MAY-01	180
			NO2/NO3	0.53	ppm	JN	12-JUN-01	28
			PB	0.011	ppm	BD	30-MAY-01	180
			PH	7.6	pH	DC	25-MAY-01	150.1
			SE	0.10	ppm	BD	30-MAY-01	180
			SO4=	182.	ppm	JN	08-JUN-01	28
			TDS	3315.	ppm	MC	22-MAY-01	7
L010706-031	16-MAY-01	EPRI-0105-248	TSS	164.	ppm	EH	21-MAY-01	160.2
			ZN	<0.020	ppm	BD	30-MAY-01	180
			AS	<0.005	ppm	BD	30-MAY-01	180
			CA	<1.0	ppm	EH	25-JUN-01	180
			CD	<0.005	ppm	BD	30-MAY-01	180
			CL-	<1.0	ppm	JN	11-JUN-01	28
			CO3	<1.0	ppm	CaCO3	25-MAY-01	310.1
			COND.	<5.0	unhos/cm2	BD	18-MAY-01	28
			CR	<0.010	ppm	BD	30-MAY-01	180
			CU	<0.025	ppm	BD	30-MAY-01	6020
			F-	<0.050	ppm	EH	24-MAY-01	28
			FE	<0.10	ppm	EH	30-MAY-01	180
			HCO3	<1.0	ppm	CaCO3	25-MAY-01	14
			K	<2.0	ppm	EH	30-MAY-01	180
			MG	<1.0	ppm	EH	30-MAY-01	6010

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L010706

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE		HOLD
							ANALYZED	DAYS	
L010706-031	16-MAY-01	EPRI-0105-248	NA	<2.0	ppm	EH	30-MAY-01	180	6010
			NO2/NO3	<0.10	ppm	JN	12-JUN-01	28	353.2
			PB	<0.003	ppm	BD	30-MAY-01	180	6020
			PH	5.6	pH	DC	25-MAY-01		150.1
			SE	<0.005	ppm	BD	30-MAY-01	180	6020
			SO4=	<2.0	ppm	JN	08-JUN-01	28	9036
			TDS	<10.	ppm	MC	22-MAY-01	7	160.1
			TSS	<1.0	ppm	EH	21-MAY-01		160.2
			ZN	<0.020	ppm	BD	30-MAY-01	180	6020

pH is a field parameter therefore holding time cannot be met by the laboratory.
Digestion Methods for totals --- 3010 and 6020.

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Reviewer

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: WG010497

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
WG010497-1		Matrix Spike	AS	98	%Recovery	BD	30-MAY-01		6020
			CD	88	%Recovery	BD	30-MAY-01		6020
			CL-	104	%Recovery	JN	11-JUN-01		325.2
			CR	91	%Recovery	BD	30-MAY-01		6020
			CU	88	%Recovery	BD	30-MAY-01		6020
			F-	101	%Recovery	EH	21-MAY-01		340.2
			FE	99	%Recovery	EH	25-JUN-01		6010
			NO2/NO3	103	%Recovery	JN	12-JUN-01		353.2
			PB	92	%Recovery	BD	30-MAY-01		6020
			SE	100	%Recovery	BD	30-MAY-01		6020
			SO4=	98	%Recovery	JN	08-JUN-01		9036
			ZN	89	%Recovery	BD	30-MAY-01		6020
			AS	<0.005	ppm	BD	30-MAY-01		6020
			CA	<1.0	ppm	EH	30-MAY-01		6010
			CD	<0.005	ppm	BD	30-MAY-01		6020
			CL-	<1.0	ppm	JN	11-JUN-01		325.2
			CO3	<1.0	ppm CaCO3	DC	25-MAY-01		310.1
WG010497-2		Prep Blank	COND.	<5.0	umhos/cm2	BD	18-MAY-01		120.1
			CR	<0.010	ppm	BD	30-MAY-01		6020
			CU	<0.025	ppm	BD	30-MAY-01		6020
			F-	<0.050	ppm	BD	21-MAY-01		340.2
			FE	<0.10	ppm	EH	25-JUN-01		6010
			HCO3	<1.0	ppm CaCO3	DC	25-MAY-01		310.1
			K	<2.0	ppm	EH	30-MAY-01		6010
			MG	<1.0	ppm	EH	30-MAY-01		6010
			NA	<2.0	ppm	EH	30-MAY-01		6010
			NO2/NO3	<0.10	ppm	JN	12-JUN-01		353.2
			PB	<0.003	ppm	BD	30-MAY-01		6020
			SE	<0.005	ppm	BD	30-MAY-01		6020
			SO4=	<2.0	ppm	JN	08-JUN-01		9036
			TDS	<10.	ppm	MC	17-MAY-01		160.1
			TSS	<1.0	ppm	EH	21-MAY-01		160.2
			ZN	<0.020	ppm	BD	30-MAY-01		6020
WG010497-3		Lab Control Sample	AS	115	%Recovery	BD	30-MAY-01		6020
			CA	93	%Recovery	EH	30-MAY-01		6010
			CD	101	%Recovery	BD	30-MAY-01		6020
			CL-	107	%Recovery	JN	11-JUN-01		325.2

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: WG010497

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
WG010497-3		Lab Control Sample	COND.	99	% Recovery	BD	18-MAY-01		120.1
			CR	118	% Recovery	BD	30-MAY-01		6020
			CU	109	% Recovery	BD	30-MAY-01		6020
			F-	95	% Recovery	EH	21-MAY-01		340.2
			FE	95	% Recovery	EH	30-MAY-01		6010
			HCO3	94	% Recovery	DC	25-MAY-01		310.1
			K	102	% Recovery	EH	30-MAY-01		6010
			MG	95	% Recovery	EH	30-MAY-01		6010
			NA	103	% Recovery	EH	30-MAY-01		6010
			NO2/NO3	96	% Recovery	JN	12-JUN-01		353.2
			PB	95	% Recovery	BD	30-MAY-01		6020
			SE	113	% Recovery	BD	30-MAY-01		6020
			SO4=	93	% Recovery	JN	08-JUN-01		9036
			TDS	97	% Recovery	MC	17-MAY-01		160.1
			TSS	96	% Recovery	EH	21-MAY-01		160.2
			ZN	113	% Recovery	BD	30-MAY-01		6020
WG010497-4		Duplicate	CL-	8.5	% RPD	JN	11-JUN-01		325.2
			CO3	<1	% RPD	DC	25-MAY-01		310.1
			COND.	<1	% RPD	BD	18-MAY-01		120.1
			F-	1.1	% RPD	EH	21-MAY-01		340.2
			HCO3	<1	% RPD	DC	25-MAY-01		310.1
			NO2/NO3	+/-prdl	% RPD	JN	12-JUN-01		353.2
			SO4=	3.0	% RPD	JN	08-JUN-01		9036
			TDS	<1	% RPD	MC	17-MAY-01		160.1
			TSS	4.9	% RPD	EH	21-MAY-01		160.2
			AS	<1	% RPD	BD	30-MAY-01		6020
			CA	3.1	% RPD	EH	30-MAY-01		6010
			CD	<1	% RPD	BD	30-MAY-01		6020
			CR	1.9	% RPD	BD	30-MAY-01		6020
			CU	1.8	% RPD	BD	30-MAY-01		6020
			FE	5.0	% RPD	EH	25-JUN-01		6010
			K	<1	% RPD	EH	30-MAY-01		6010
			MG	<1	% RPD	EH	30-MAY-01		6010
WG010497-5		Matrix Spike Duplicate	NA	1.6	% RPD	EH	30-MAY-01		6010
			PB	2.6	% RPD	BD	30-MAY-01		6020
			SE	<1	% RPD	BD	30-MAY-01		6020
			ZN	2.2	% RPD	BD	30-MAY-01		6020
					% RPD	BD	30-MAY-01		6020
					% RPD	BD	30-MAY-01		6020
					% RPD	BD	30-MAY-01		6020

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: WG010497

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
WG010497-6		Reporting Limit	AS	0.005	ppm				6020
			CA	1.0	ppm				6010
			CD	0.005	ppm				6020
			CL-	1.0	ppm				325.2
			CO3	1.0	ppm				310.1
			COND.	5.0	umhos/cm2				120.1
			CR	0.010	ppm				6020
			CU	0.025	ppm				6020
			F-	0.050	ppm				340.2
			FE	0.10	ppm				6010
			HCO3	1.0	ppm				310.1
			K	2.0	ppm				6010
			MG	1.0	ppm				6010
			NA	2.0	ppm				6010
			NO2/NO3	0.10	ppm				353.2
			PB	0.003	ppm				6020
			SE	0.005	ppm				6020
			SO4=	2.0	ppm				9036
			TDS	1.0	ppm				160.1
			TSS	1.0	ppm				160.2
			ZN	0.020	ppm				6020
WG010497-7		Matrix Spike	AS	94	%Recovery	EH	30-MAY-01		6010
			CD	95	%Recovery	BD	30-MAY-01		6020
			CL-	107	%Recovery	JN	11-JUN-01		325.2
			CR	94	%Recovery	BD	30-MAY-01		6020
			CU	88	%Recovery	BD	30-MAY-01		6020
			F-	103	%Recovery	EH	24-MAY-01		340.2
			FE	98	%Recovery	EH	30-MAY-01		6010
			NO2/NO3	93	%Recovery	JN	13-JUN-01		353.2
			PB	100	%Recovery	BD	30-MAY-01		6020
			SE	100	%Recovery	BD	30-MAY-01		6020
			SO4=	94	%Recovery	BD	08-JUN-01		9036
			ZN	102	%Recovery	BD	30-MAY-01		6020
WG010497-8		Prep Blank	AS	<0.020	ppm	EH	30-MAY-01		6010
			CA	<1.0	ppm	EH	30-MAY-01		6010
			CD	<0.005	ppm	BD	30-MAY-01		6020
			CL-	<1.0	ppm	JN	11-JUN-01		325.2

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: WG010497

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
WG010497-8		Prep Blank	CO3	<1.0	ppm CaCO3	DC	25-MAY-01		310.1
			COND.	<5.0	umhos/cm2	BD	18-MAY-01		120.1
			CR	<0.010	ppm	BD	30-MAY-01		6020
			CU	<0.025	ppm	BD	30-MAY-01		6020
			F-	<0.050	ppm	EH	24-MAY-01		340.2
			FE	<0.20	ppm	EH	30-MAY-01		6010
			HCO3	<1.0	ppm CaCO3	DC	25-MAY-01		310.1
			K	<2.0	ppm	EH	30-MAY-01		6010
			MG	<1.0	ppm	EH	30-MAY-01		6010
			NA	<2.0	ppm	EH	30-MAY-01		6010
			NO2/NO3	<0.10	ppm	JN	13-JUN-01		353.2
			PE	<0.003	ppm	BD	30-MAY-01		6020
			SE	<0.005	ppm	BD	30-MAY-01		6020
			SO4=	<2.0	ppm	JN	08-JUN-01		9036
			TDS	<10.	ppm	MC	18-MAY-01		160.1
			TSS	<1.0	ppm	EH	21-MAY-01		160.2
			ZN	<0.020	ppm	BD	30-MAY-01		6020
WG010497-9		Lab Control Sample	AS	90	%Recovery	EH	30-MAY-01		6010
			CA	100	%Recovery	EH	30-MAY-01		6010
			CD	101	%Recovery	BD	30-MAY-01		6020
			CL-	100	%Recovery	JN	11-JUN-01		325.2
			COND.	99	%Recovery	BD	18-MAY-01		120.1
			CR	111	%Recovery	BD	30-MAY-01		6020
			CU	104	%Recovery	BD	30-MAY-01		6020
			F-	93	%Recovery	EH	24-MAY-01		340.2
			FE	90	%Recovery	EH	30-MAY-01		6010
			HCO3	99	%Recovery	DC	25-MAY-01		310.1
			K	105	%Recovery	EH	30-MAY-01		6010
			MG	100	%Recovery	EH	30-MAY-01		6010
			NA	109	%Recovery	EH	30-MAY-01		6010
			NO2/NO3	109	%Recovery	JN	13-JUN-01		353.2
			PB	98	%Recovery	BD	30-MAY-01		6020
			SE	111	%Recovery	BD	30-MAY-01		6020
			SO4=	82	%Recovery	JN	08-JUN-01		9036
			TDS	102	%Recovery	MC	18-MAY-01		160.1
			TSS	99	%Recovery	EH	21-MAY-01		160.2
			ZN	111	%Recovery	BD	30-MAY-01		6020

ASARCO TECHNICAL SERVICES CENTER


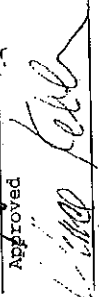
ANALYTICAL DATA REPORT

E1 Paso

Water and Solid Waste (Project 3220)

Batch No: WG010497

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	SOLID
WG010497-10		Duplicate	CL-	13	% RPD	JN	11-JUN-01	325.2
			CO3	<1	% RPD	DC	25-MAY-01	310.1
			COND.	<1	% RPD	BD	18-MAY-01	120.1
			F-	4.9	% RPD	EH	24-MAY-01	340.2
			HCO3	3.2	% RPD	DC	25-MAY-01	310.1
			NO2/NO3	<1	% RPD	JN	12-JUN-01	353.2
			SO4=	4.4	% RPD	JN	08-JUN-01	9036
			TDS	<1	% RPD	MC	22-MAY-01	160.1
			TSS	14	% RPD	EH	21-MAY-01	160.2
WG010497-11		Matrix Spike Duplicate	AS	5.4	% RPD	BD	30-MAY-01	6020
			CA	2.7	% RPD	EH	30-MAY-01	6010
			CD	2.7	% RPD	BD	30-MAY-01	6020
			CR	2.5	% RPD	BD	30-MAY-01	6020
			CU	2.1	% RPD	BD	30-MAY-01	6020
			FE	<1	% RPD	EH	30-MAY-01	6010
			K	7.5	% RPD	EH	30-MAY-01	6010
			MG	2.4	% RPD	EH	30-MAY-01	6010
			NA	5.0	% RPD	EH	30-MAY-01	6020
			PB	4.3	% RPD	BD	30-MAY-01	6020
			SE	<1	% RPD	BD	30-MAY-01	6020
			ZN	4.3	% RPD	BD	30-MAY-01	6020


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 Reviewer

CHAIN OF CUSTODY RECORD

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P.O. Box 220182, El Paso, TX 79913 • (915) 532-3489 • FAX (915) 532-4897

20) 544-3150 • FAX (520) 544-3190

PROJ. NO.		PROJECT NAME		NO. OF CONTAINERS		ANALYSIS								REMARKS	
124612		ASARCO - EL PASO		3		Commons UF/RAW	Nutrients UF/H ₂ SO ₄	Diss. Metal F/HNO ₃	CN UF/NaOH	Total Metals UF/HNO ₃	Total Recoverable Metals UF/HNO ₃	BTEX	TPH		
DATE	TIME	GRAB	SAMPLE NUMBER												
5-15	925		EPR1-0105-127	3		X				X					
5-15-01	1025		EPR1-0105-132	3		X				X					
	950		EPR1-0105-242	3		X				X					
	1050		EPR1-0105-130	3		X				X					
	1120		EPR1-0105-131	3		X				X					
	1125		EPR1-0105-243	3		X				X					
	1330		EPR1-0105-128	3		X				X					
	1400		EPR1-0105-134	3		X				X					
	1430		EPR1-0105-175	3		X				X					
	1500		EPR1-0105-176	3		X				X					
	1520		EPR1-0105-177	3		X				X					
	1600		EPR1-0105-244	3		X				X					
5-16-01	800		EPR1-0105-108	3		X				X					
	805		EPR1-0105-245	3		X				X					
	830		EPR1-0105-115	3		X				X					
Relinquished (Signature)		Date/Time		Received by: (Signature)		Lab		P.O. #		Shipped via: Bus, Fed Ex, UPS		Other		Air Bill #	
[Signature]		5/16/01 1600		[Signature]		[Signature]		[Signature]		[Signature]		[Signature]		[Signature]	
Relinquished (Signature)		Date/Time		Received by: (Signature)		Remarks									
[Signature]		5/16/01 1600		[Signature]		[Signature]									
Relinquished (Signature)		Date/Time		Received for Laboratory by: (Signature)		Date/Time									
[Signature]		5/16/01 1600		[Signature]		5-17-01 1130									

CHAIN OF CUSTODY RECORD

3275 W. Ina Rd., Ste. 205 • Tucson, AZ 85741 • (520) 544-3150 • FAX (520) 544-3190
P.O. Box 220182, El Paso, TX 79913 • (915) 532-3489 • FAX (915) 532-4897

PROJ. NO.		PROJECT NAME		NO. OF CONTAINERS		COMMONS UF/RAW								Nutrients UF/H ₂ SO ₄				Diss. Metal F/HNO ₃				CN UF/NaOH				Total Metals UF/HNO ₃				Total Recoverable Metals UF/HNO ₃				BTEX				TPH				REMARKS			
DATE	TIME	COMP	GRAB	SAMPLE NUMBER	NO.	OF	CON-	TAINERS	COMMONS UF/RAW	Nutrients UF/H ₂ SO ₄	Diss. Metal F/HNO ₃	CN UF/NaOH	Total Metals UF/HNO ₃	Total Recoverable Metals UF/HNO ₃	BTEX	TPH	REMARKS																												
5-16-01	845			APR1-0105-116	3				X	X	X	X	X	X	X																														
	915			APR1-0105-183	3				X	X	X	X	X	X	X																														
	930			APR1-0105-188	3				X	X	X	X	X	X	X																														
	935			APR1-0105-246	3				X	X	X	X	X	X	X																														
	1000			APR1-0105-185	3				X	X	X	X	X	X	X																														
	1010			APR1-0105-187	3				X	X	X	X	X	X	X																														
	1030			APR1-0105-195	3				X	X	X	X	X	X	X																														
	1050			APR1-0105-247	3				X	X	X	X	X	X	X																														
	1245			APR1-0105-126	3				X	X	X	X	X	X	X																														
	1300			APR1-0105-129	3				X	X	X	X	X	X	X																														
	1320			APR1-0105-133	3				X	X	X	X	X	X	X																														
	1345			APR1-0105-125	3				X	X	X	X	X	X	X																														
	1425			APR1-0105-109	3				X	X	X	X	X	X	X																														
	1500			APR1-0105-112	3				X	X	X	X	X	X	X																														
	1520			APR1-0105-113	3				X	X	X	X	X	X	X																														

Relinquished (Signature)	Date/Time	Received by: (Signature)	Lab	P.O. #	Shipped via: Bus, Fed Ex, UPS
<i>[Signature]</i>	5/16/01 11:00		APR1-0105-113		Other
Relinquished (Signature)	Date/Time	Received by: (Signature)	Remarks		Air Bill #

Relinquished (Signature)	Date/Time	Received for Laboratory by: (Signature)	Date/Time	Enclosed:
		<i>[Signature]</i>	5-17-01 11:30	<input type="checkbox"/> Parameter sheet w/detection limits
				<input type="checkbox"/> QA/QC standard mixing instructions <input type="checkbox"/> Cover letter
				<input type="checkbox"/> Other

Split Samples:
<input type="checkbox"/> Accepted <input type="checkbox"/> Declined

Return results & electronic copy to:

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L010728

LAB NO.	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE		HOLD
							ANALYZED	DAYS	
L010728-001	17-MAY-01	EPRI-0105-186	AS	0.005	ppm	BD	30-MAY-01	180	6020
			CA	71.	ppm	EH	30-MAY-01	180	6010
			CD	<0.005	ppm	BD	30-MAY-01	180	6020
			CL-	116.	ppm	JN	15-JUN-01	28	325.2
			CO3	<1.0	ppm CaCO3	DC	29-MAY-01	28	310.1
			COND.	1106.	umhos/cm2	BD	23-MAY-01	28	120.1
			CR	<0.010	ppm	BD	30-MAY-01	180	6020
			CU	<0.025	ppm	BD	30-MAY-01	180	6020
			F-	0.75	ppm	EH	30-MAY-01	28	340.2
			FE	1.8	ppm	EH	13-JUN-01	28	6010
			HCO3	180.	ppm CaCO3	DC	30-MAY-01	14	310.1
			K	9.9	ppm	EH	29-MAY-01	180	6010
			MG	17.	ppm	EH	30-MAY-01	180	6010
			NA	136.	ppm	EH	30-MAY-01	180	6010
			NO2/NO3	0.54	ppm	JN	30-MAY-01	28	353.2
			PB	<0.003	ppm	BD	30-MAY-01	180	6020
			PH	8.3	pH	DC	29-MAY-01	180	150.1
			SE	<0.005	ppm	BD	30-MAY-01	180	6020
			SO4=	245.	ppm	JN	11-JUN-01	28	9036
			TDS	705.	ppm	MC	22-MAY-01	7	160.1
			TSS	80.	ppm	BD	23-MAY-01	180	160.2
			ZN	<0.020	ppm	BD	30-MAY-01	180	6020
L010728-002	17-MAY-01	EPRI-0105-193	AS	0.005	ppm	BD	30-MAY-01	180	6020
			CA	70.	ppm	EH	30-MAY-01	180	6010
			CD	<0.005	ppm	BD	30-MAY-01	180	6020
			CL-	131.	ppm	JN	15-JUN-01	28	325.2
			CO3	4.0	ppm CaCO3	DC	29-MAY-01	28	310.1
			COND.	1099.	umhos/cm2	BD	23-MAY-01	28	120.1
			CR	<0.010	ppm	BD	30-MAY-01	180	6020
			CU	<0.025	ppm	BD	30-MAY-01	180	6020
			F-	0.75	ppm	BD	30-MAY-01	28	340.2
			FE	1.7	ppm	EH	13-JUN-01	28	6010
			HCO3	173.	ppm CaCO3	DC	30-MAY-01	14	310.1
			K	9.1	ppm	EH	29-MAY-01	180	6010
			MG	17.	ppm	EH	30-MAY-01	180	6010
			NA	135.	ppm	EH	30-MAY-01	180	6010
			NO2/NO3	0.64	ppm	JN	13-JUN-01	28	353.2
			PB	<0.003	ppm	BD	30-MAY-01	180	6020

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L010728

LAB NO.	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L010728-002	17-MAY-01	EPRI-0105-193	PH	8.4	pH	DC	29-MAY-01	150.1	
			SE	<0.005	ppm	BD	30-MAY-01	180	6020
			SO4=	244.	ppm	JN	11-JUN-01	28	9036
			TDS	704.	ppm	MC	22-MAY-01	7	160.1
			TSS	66.	ppm	BD	23-MAY-01	180	6020
			ZN	<0.020	ppm	BD	30-MAY-01	180	6020
			AS	0.005	ppm	BD	30-MAY-01	180	6020
			CA	73.	ppm	EH	30-MAY-01	180	6010
			CD	<0.005	ppm	BD	30-MAY-01	180	6020
			CL-	111.	ppm	JN	15-JUN-01	28	325.2
L010728-003	17-MAY-01	EPRI-0105-192	CO3	<1.0	ppm	CaCO3	29-MAY-01	310.1	
			COND.	1090.	umhos/cm2	BD	23-MAY-01	28	120.1
			CR	<0.010	ppm	BD	30-MAY-01	180	6020
			CU	<0.025	ppm	BD	30-MAY-01	28	340.2
			F-	0.75	ppm	EH	13-JUN-01	28	6010
			FE	1.9	ppm	EH	30-MAY-01	14	310.1
			HCO3	176.	ppm	CaCO3	29-MAY-01	180	6010
			K	9.8	ppm	EH	30-MAY-01	180	6010
			MG	18.	ppm	EH	30-MAY-01	180	6010
			NA	136.	ppm	JN	13-JUN-01	28	353.2
L010728-004	17-MAY-01	EPRI-0105-184	NO2/NO3	0.49	ppm	BD	30-MAY-01	180	6020
			PB	<0.003	ppm	BD	29-MAY-01	150.1	
			PH	8.3	pH	DC	29-MAY-01	180	6020
			SE	<0.005	ppm	BD	30-MAY-01	180	6020
			SO4=	208.	ppm	JN	11-JUN-01	28	9036
			TDS	697.	ppm	MC	22-MAY-01	7	160.1
			TSS	92.	ppm	BD	23-MAY-01	180	6020
			ZN	<0.020	ppm	BD	30-MAY-01	180	6020
			AS	0.005	ppm	BD	30-MAY-01	180	6020
			CA	71.	ppm	EH	30-MAY-01	180	6010
L010728-005	17-MAY-01	EPRI-0105-184	CD	<0.005	ppm	BD	30-MAY-01	180	6020
			CL-	130.	ppm	JN	15-JUN-01	28	325.2
			CO3	<1.0	ppm	CaCO3	29-MAY-01	310.1	
			COND.	1090.	umhos/cm2	BD	23-MAY-01	28	120.1
			CR	<0.010	ppm	BD	30-MAY-01	180	6020
			CU	<0.025	ppm	BD	30-MAY-01	28	340.2
			F-	0.74	ppm	EH	13-JUN-01	28	6010

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L010728

LAB NO.	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L010728-004	17-MAY-01	EPRI-0105-184	FE	2.1	ppm	EH	30-MAY-01	180	6010
			HCO3	170.	ppm CaCO3	DC	29-MAY-01	14	310.1
			K	9.9	ppm	EH	30-MAY-01	180	6010
			MG	17.	ppm	EH	30-MAY-01	180	6010
			NA	135.	ppm	EH	30-MAY-01	180	6010
			NO2/NO3	0.47	ppm	JN	13-JUN-01	28	353.2
			PB	<0.003	ppm	BD	30-MAY-01	180	6020
			PH	8.3	pH	DC	29-MAY-01	150.1	
			SE	<0.005	ppm	BD	30-MAY-01	180	6020
			SO4=	239.	ppm	JN	11-JUN-01	28	9036
			TDS	697.	ppm	MC	22-MAY-01	7	160.1
			TSS	116.	ppm	BD	23-MAY-01		160.2
			ZN	0.026	ppm	BD	30-MAY-01	180	6020
			AS	0.005	ppm	BD	30-MAY-01	180	6020
			CA	71.	ppm	EH	30-MAY-01	180	6010
			CD	<0.005	ppm	BD	30-MAY-01	180	6020
			CL-	116.	ppm	JN	15-JUN-01	28	325.2
			CO3	4.0	ppm CaCO3	DC	29-MAY-01		310.1
			COND.	1090.	umhos/cm2	BD	23-MAY-01	28	120.1
			CR	<0.010	ppm	BD	30-MAY-01	180	6020
L010728-005	17-MAY-01	EPRI-0105-250	CU	<0.025	ppm	BD	30-MAY-01		6020
			F-	0.73	ppm	BD	13-JUN-01	28	340.2
			FE	2.1	ppm	EH	30-MAY-01	180	6010
			HCO3	174.	ppm CaCO3	DC	29-MAY-01	14	310.1
			K	9.1	ppm	EH	30-MAY-01	180	6010
			MG	17.	ppm	EH	30-MAY-01	180	6010
			NA	130.	ppm	EH	30-MAY-01	180	6010
			NO2/NO3	0.52	ppm	JN	13-JUN-01	28	353.2
			PB	0.003	ppm	BD	30-MAY-01	180	6020
			PH	8.4	pH	DC	29-MAY-01	150.1	
			SE	<0.005	ppm	BD	30-MAY-01	180	6020
			SO4=	240.	ppm	JN	11-JUN-01	28	9036
			TDS	691.	ppm	MC	22-MAY-01	7	160.1
			TSS	107.	ppm	BD	23-MAY-01		160.2
			ZN	<0.020	ppm	BD	30-MAY-01	180	6020
			AS	<0.005	ppm	BD	30-MAY-01	180	6020
			CA	72.	ppm	EH	30-MAY-01	180	6010

ASARCO TECHNICAL SERVICES CENTER
ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L010728

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L010728-006	17-MAY-01	EPRI-0105-191	CD	<0.005	ppm	BD	30-MAY-01	180	6020
			CL-	126.	ppm	JN	15-JUN-01	28	325.2
			CO3	6.0	ppm CaCO3	DC	29-MAY-01	180	310.1
			COND.	1083.	umhos/cm2	BD	23-MAY-01	28	120.1
			CR	<0.010	ppm	BD	30-MAY-01	180	6020
			CU	<0.025	ppm	BD	30-MAY-01	180	6020
			F-	0.73	ppm	EH	13-JUN-01	28	340.2
			FE	2.1	ppm	EH	30-MAY-01	180	6010
			HCO3	183.	ppm CaCO3	DC	29-MAY-01	14	310.1
			K	9.3	ppm	EH	30-MAY-01	180	6010
			MG	17.	ppm	EH	30-MAY-01	180	6010
			NA	134.	ppm	EH	30-MAY-01	180	6010
			NO2/NO3	0.60	ppm	JN	13-JUN-01	28	353.2
			PB	<0.003	ppm	BD	30-MAY-01	180	6020
			PH	8.4	pH	DC	29-MAY-01	180	150.1
			SE	<0.005	ppm	BD	30-MAY-01	180	6020
			SO4=	215.	ppm	JN	11-JUN-01	28	9036
			TDS	690.	ppm	MC	22-MAY-01	7	160.1
			TSS	107.	ppm	BD	23-MAY-01	180	160.2
			ZN	<0.020	ppm	BD	30-MAY-01	180	6020
			AS	<0.005	ppm	BD	30-MAY-01	180	6020
			CA	70.	ppm	EH	30-MAY-01	180	6010
			CD	<0.005	ppm	BD	30-MAY-01	180	6020
L010728-007	17-MAY-01	EPRI-0105-190	CL-	133.	ppm	JN	15-JUN-01	28	325.2
			CO3	6.0	ppm CaCO3	DC	29-MAY-01	180	310.1
			COND.	1094.	umhos/cm2	BD	23-MAY-01	28	120.1
			CR	<0.010	ppm	BD	30-MAY-01	180	6020
			CU	<0.025	ppm	BD	30-MAY-01	180	6020
			F-	0.75	ppm	EH	13-JUN-01	28	340.2
			FE	1.7	ppm	EH	30-MAY-01	180	6010
			HCO3	176.	ppm CaCO3	DC	29-MAY-01	14	310.1
			K	9.1	ppm	EH	30-MAY-01	180	6010
			MG	17.	ppm	EH	30-MAY-01	180	6010
			NA	133.	ppm	EH	30-MAY-01	180	6010
			NO2/NO3	0.45	ppm	JN	13-JUN-01	28	353.2
			PB	<0.003	ppm	BD	30-MAY-01	180	6020
			PH	8.4	pH	DC	29-MAY-01	180	150.1
			SE	<0.005	ppm	BD	30-MAY-01	180	6020

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L010728

LAB NO.	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD	DRYS METHOD
L010728-007	17-MAY-01	EPRI-0105-190	SO4=	244.	ppm	JN	11-JUN-01 28		9036
			TDS	713.	ppm	MC	22-MAY-01 7		160.1
			TSS	81.	ppm	BD	23-MAY-01		160.2
			ZN	<0.020	ppm	BD	30-MAY-01 180		6020
			AS	0.007	ppm	BD	30-MAY-01 180		6020
			CA	71.	ppm	EH	30-MAY-01 180		6010
			CD	<0.005	ppm	BD	30-MAY-01 180		6020
			CL-	206.	ppm	JN	15-JUN-01 28		325.2
			CO3	<1.0	ppm CaCO3	DC	29-MAY-01		310.1
			COND.	1400.	umhos/cm2	BD	23-MAY-01 28		120.1
L010728-008	17-MAY-01	EPRI-0105-189	CR	<0.010	ppm	BD	30-MAY-01 180		6020
			CU	<0.025	ppm	BD	30-MAY-01		6020
			F-	0.81	ppm	EH	13-JUN-01 28		340.2
			FE	1.4	ppm	EH	30-MAY-01 180		6010
			HCO3	178.	ppm CaCO3	DC	29-MAY-01 14		310.1
			K	12.	ppm	EH	30-MAY-01 180		6010
			MG	17.	ppm	EH	30-MAY-01 180		6010
			NA	203.	ppm	EH	30-MAY-01 180		353.2
			NO2/NO3	3.2	ppm	JN	13-JUN-01 28		6020
			PB	<0.003	ppm	BD	30-MAY-01 180		150.1
L010728-009	17-MAY-01	EPRI-0105-104	PH	8.1	pH	DC	29-MAY-01		150.1
			SE	<0.005	ppm	BD	30-MAY-01 180		6020
			SO4=	290.	ppm	JN	11-JUN-01 28		9036
			TDS	901.	ppm	MC	22-MAY-01 7		160.1
			TSS	78.	ppm	BD	23-MAY-01		160.2
			ZN	0.025	ppm	BD	30-MAY-01 180		6020
			AS	0.83	ppm	BD	30-MAY-01 180		6020
			CA	281.	ppm	EH	30-MAY-01 180		6010
			CD	<0.005	ppm	BD	30-MAY-01 180		6020
			CL-	633.	ppm	JN	15-JUN-01 28		325.2
L010728-009	17-MAY-01	EPRI-0105-104	CO3	<1.0	ppm CaCO3	DC	29-MAY-01		310.1
			COND.	5960.	umhos/cm2	BD	23-MAY-01 28		120.1
			CR	<0.010	ppm	BD	30-MAY-01 180		6020
			CU	<0.025	ppm	BD	30-MAY-01		6020
			F-	1.1	ppm	EH	13-JUN-01 28		340.2
			FE	1.2	ppm	EH	30-MAY-01 180		6010
			HCO3	570.	ppm CaCO3	DC	29-MAY-01 14		310.1

ASARCO TECHNICAL SERVICES CENTER
ANALYTICAL DATA REPORT

E1 Paso

Water and Solid Waste (Project 3220)

Batch No: L010728

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE HOLD ANALYZED	HOLD DAYS	METHOD
L010728-009	17-MAY-01	EPRI-0105-104	K	16.	ppm	EH	30-MAY-01	180	6010
			MG	111.	ppm	EH	30-MAY-01	180	6010
			NA	925.	ppm	JN	13-JUN-01	28	353.2
			NO2/NO3	9.5	ppm	BD	30-MAY-01	180	6020
			PE	0.005	ppm	DC	29-MAY-01	180	150.1
			PH	8.0	pH	BD	30-MAY-01	180	6020
			SE	0.069	ppm	JN	11-JUN-01	28	9036
			SO4=	2393.	ppm	MC	22-MAY-01	7	160.1
			TDS	4791.	ppm	BD	23-MAY-01	160.2	
			TSS	55.	ppm	BD	30-MAY-01	180	6020
			ZN	<0.020	ppm	BD	30-MAY-01	180	6020
			AS	0.81	ppm	BD	30-MAY-01	180	6020
			CA	130.	ppm	EH	30-MAY-01	180	6010
			CD	<0.005	ppm	BD	30-MAY-01	180	6020
			CL-	564.	ppm	JN	15-JUN-01	28	325.2
			CO3	<1.0	ppm	DC	29-MAY-01	180	310.1
			COND.	3660.	umhos/cm2	BD	23-MAY-01	28	120.1
			CR	0.014	ppm	BD	30-MAY-01	180	6020
			CU	<0.025	ppm	BD	30-MAY-01	180	6020
			F-	2.6	ppm	EH	13-JUN-01	28	340.2
L010728-010	17-MAY-01	EPRI-0105-117	FE	0.71	ppm	EH	30-MAY-01	180	6010
			HCO3	714.	ppm	DC	29-MAY-01	14	310.1
			K	36.	ppm	EH	30-MAY-01	180	6010
			MG	37.	ppm	EH	30-MAY-01	180	6010
			NA	683.	ppm	JN	13-JUN-01	28	353.2
			NO2/NO3	1.2	ppm	JN	30-MAY-01	180	6020
			PE	0.015	ppm	BD	29-MAY-01	180	150.1
			PH	7.8	pH	DC	29-MAY-01	180	6020
			SE	0.051	ppm	BD	30-MAY-01	180	6020
			SO4=	557.	ppm	JN	11-JUN-01	28	9036
			TDS	2424.	ppm	MC	22-MAY-01	7	160.1
			TSS	36.	ppm	BD	23-MAY-01	160.2	
			ZN	0.038	ppm	BD	30-MAY-01	180	6020
			AS	<0.005	ppm	BD	30-MAY-01	180	6020
			CA	<1.0	ppm	EH	30-MAY-01	180	6010
			CD	<0.005	ppm	BD	30-MAY-01	180	6020
			CL-	<1.0	ppm	JN	15-JUN-01	28	325.2

L010728-011 17-MAY-01 EPRI-0105-251

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L010728

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE HOLD
L010728-011	17-MAY-01	EPRI-0105-251	CO3	<1.0	ppm CaCO3	DC	29-MAY-01 310.1
			COND.	<5.0	umhos/cm2	BD	23-MAY-01 180 120.1
			CR	<0.010	ppm	BD	30-MAY-01 180 6020
			CU	<0.025	ppm	BD	30-MAY-01 180 6020
			F-	<0.050	ppm	EH	13-JUN-01 28 340.2
			FE	<0.10	ppm	EH	30-MAY-01 180 6010
			HCO3	<1.0	ppm CaCO3	DC	29-MAY-01 14 310.1
			K	<2.0	ppm	EH	30-MAY-01 180 6010
			MG	<1.0	ppm	EH	30-MAY-01 180 6010
			NA	<2.0	ppm	EH	30-MAY-01 180 6010
			NO2/NO3	<0.10	ppm	JN	13-JUN-01 28 353.2
			PB	<0.003	ppm	BD	30-MAY-01 180 6020
			PH	5.6	pH	DC	29-MAY-01 150.1
			SE	<0.005	ppm	BD	30-MAY-01 180 6020
			SO4=	<2.0	ppm	JN	11-JUN-01 28 9036
			TDS	<10.	ppm	MC	22-MAY-01 7 160.1
			TSS	<1.0	ppm	BD	23-MAY-01 160.2
			ZN	<0.020	ppm	BD	30-MAY-01 180 6020

pH is a field parameter therefore holding time cannot be met by the laboratory.
Digestion Methods for totals --- 3010 and 6020.

[Signature]
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ASARCO TECHNICAL SERVICES CENTER
ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: WG010496

LAB NO.	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
WG010496-1		Matrix Spike	AS	98	%Recovery	BD	30-MAY-01		6020
			CD	96	%Recovery	BD	30-MAY-01		6020
			CL-	100	%Recovery	JN	15-JUN-01		325.2
			CR	93	%Recovery	BD	30-MAY-01		6020
			CU	89	%Recovery	BD	30-MAY-01		6020
			F-	101	%Recovery	EH	13-JUN-01		340.2
			FE	96	%Recovery	EH	30-MAY-01		6010
			NO2/NO3	100	%Recovery	JN	13-JUN-01		353.2
			PB	95	%Recovery	BD	30-MAY-01		6020
			SE	96	%Recovery	BD	30-MAY-01		6020
			SO4=	103	%Recovery	JN	11-JUN-01		9036
			ZN	91	%Recovery	BD	30-MAY-01		6020
			AS	<0.005	ppm	BD	30-MAY-01		6020
			CA	<1.0	ppm	EH	30-MAY-01		6010
			CD	<0.005	ppm	BD	30-MAY-01		6020
			CL-	<1.0	ppm	JN	15-JUN-01		325.2
			CO3	<1.0	ppm CaCO3	DC	29-MAY-01		310.1
			COND.	<5.0	umhos/cm2	BD	23-MAY-01		120.1
			CR	<0.010	ppm	BD	30-MAY-01		6020
			CU	<0.025	ppm	BD	30-MAY-01		340.2
WG010496-2		Prep Blank	F-	<0.050	ppm	EH	13-JUN-01		6010
			FE	<0.10	ppm	EH	30-MAY-01		310.1
			HCO3	<1.0	ppm CaCO3	DC	29-MAY-01		6010
			K	<2.0	ppm	EH	30-MAY-01		6010
			MG	<1.0	ppm	EH	30-MAY-01		6010
			NA	<2.0	ppm	EH	30-MAY-01		6010
			NO2/NO3	<0.10	ppm	JN	13-JUN-01		353.2
			PB	<0.003	ppm	BD	30-MAY-01		6020
			SE	<0.005	ppm	BD	30-MAY-01		6020
			SO4=	<2.0	ppm	JN	11-JUN-01		9036
			TDS	<10.	ppm	MC	22-MAY-01		160.1
			TSS	<1.0	ppm	BD	23-MAY-01		160.2
			ZN	<0.020	ppm	BD	30-MAY-01		6020
			AS	109	%Recovery	BD	30-MAY-01		6020
			CA	95	%Recovery	EH	30-MAY-01		6010
			CD	99	%Recovery	BD	30-MAY-01		6020
			CL-	112	%Recovery	JN	15-JUN-01		325.2
WG010496-3		Lab Control Sample	AS	109	%Recovery	BD	30-MAY-01		6020
			CA	95	%Recovery	EH	30-MAY-01		6010
			CD	99	%Recovery	BD	30-MAY-01		6020
			CL-	112	%Recovery	JN	15-JUN-01		325.2

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: WG010496

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
WG010496-3		Lab Control Sample	COND.	98		\$Recovery BD	23-MAY-01	120.1	
			CR	116		\$Recovery BD	30-MAY-01	6020	
			CU	104		\$Recovery BD	30-MAY-01	6020	
			F-	98		\$Recovery EH	13-JUN-01	340.2	
			FE	98		\$Recovery EH	30-MAY-01	6010	
			HCO3	97		\$Recovery DC	29-MAY-01	310.1	
			K	98		\$Recovery EH	30-MAY-01	6010	
			MG	95		\$Recovery EH	30-MAY-01	6010	
			NA	108		\$Recovery EH	30-MAY-01	6010	
			NO2/NO3	109		\$Recovery JN	13-JUN-01	353.2	
			PB	99		\$Recovery BD	30-MAY-01	6020	
			SE	110		\$Recovery BD	30-MAY-01	6020	
			SO4=	102		\$Recovery JN	11-JUN-01	9036	
			TDS	101		\$Recovery MC	22-MAY-01	160.1	
			TSS	97		\$Recovery BD	23-MAY-01	160.2	
			ZN	110		\$Recovery BD	30-MAY-01	6020	
			CL-	20		\$ RPD JN	15-JUN-01	325.2	
			CO3	<1		\$ RPD DC	29-MAY-01	310.1	
			COND.	<1		\$ RPD BD	23-MAY-01	120.1	
			F-	2.1		\$ RPD EH	13-JUN-01	340.2	
WG010496-4		Duplicate	HCO3	<1		\$ RPD DC	29-MAY-01	310.1	
			NO2/NO3	<1		\$ RPD JN	13-JUN-01	353.2	
			SO4=	8.7		\$ RPD JN	11-JUN-01	9036	
			TDS	<1		\$ RPD MC	22-MAY-01	160.1	
			TSS	2.7		\$ RPD BD	23-MAY-01	160.2	
			AS	1.2		\$ RPD BD	30-MAY-01	6020	
			CA	<1		\$ RPD EH	30-MAY-01	6010	
			CD	1.3		\$ RPD BD	30-MAY-01	6020	
			CR	<1		\$ RPD BD	30-MAY-01	6020	
			CU	1.3		\$ RPD EH	30-MAY-01	6010	
WG010496-5		Matrix Spike Duplicate	FE	3.7		\$ RPD EH	30-MAY-01	6010	
			K	1.2		\$ RPD EH	30-MAY-01	6010	
			MG	<1		\$ RPD EH	30-MAY-01	6010	
			NA	<1		\$ RPD EH	30-MAY-01	6010	
			PB	<1		\$ RPD BD	30-MAY-01	6020	
			SE	1.3		\$ RPD BD	30-MAY-01	6020	
			ZN	<1		\$ RPD BD	30-MAY-01	6020	

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: WG010496

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
WG010496-6		Reporting Limit	AS	0.005	ppm				6020
			CA	1.0	ppm				6010
			CD	0.005	ppm				6020
			CL-	1.0	ppm				325.2
			CO3	1.0	ppm				310.1
			COND.	5.0	umhos/cm2				120.1
			CR	0.010	ppm				6020
			CU	0.025	ppm				6020
			F-	0.050	ppm				340.2
			FE	0.10	ppm				6010
			HCO3	1.0	ppm				310.1
			K	2.0	ppm				6010
			MG	1.0	ppm				6010
			NA	2.0	ppm				353.2
			NO2/NO3	0.10	ppm				6020
			PB	0.003	ppm				6020
			SE	0.005	ppm				9036
			SO4=	2.0	ppm				160.1
			TDS	10.	ppm				160.2
			TSS	1.0	ppm				6020
			ZN	0.020	ppm				

Approved

Reviewer

CHAIN OF CUSTODY RECORD

3275 W. Ina Rd., Ste. 205 • Tucson, AZ 85741 • (520) 544-3150 • FAX (520) 544-3190
P.O. Box 220182, El Paso, TX 79913 • (915) 532-3489 • FAX (915) 532-4897

PROJ. NO. PROJECT NAME

1246 VZ ASARCO ZIP TX

SAMPLERS: (Signature)

Douglas M. Sabin

DATE	TIME	COMP	GRAB	SAMPLE NUMBER	NO. OF CON-TAINERS	Commons UF/RAW	Nutrients UF/H ₂ SO ₄	Diss. Metal F/HNO ₃	CN UF/NaOH	Total Metals UF/HNO ₃	Total Recoverable Metals UF/HNO ₃	BTEX	TPH	REMARKS
5/17/01	810			APR1 0105-186	3	X	X			X				
	830			APR1 0105-193	3	X	X			X				
	900			APR1 0105-192	3	X	X			X				
	915			APR1 0105-184	3	X	X			X				
	920			APR1 0105-250	3	X	X			X				
	940			APR1 0105-191	3	X	X			X				
	1000			APR1 0105-190	3	X	X			X				
	1020			APR1 0105-189	3	X	X			X				
	1300			APR1 0105-104	3	X	X			X				
	1340			APR1 0105-117	3	X	X			X				
	1500			APR1 0105-257	3	X	X			X				

Received by: (Signature)

Date/Time

Relinquished (Signature)

Date/Time

Received by: (Signature)

Date/Time

Relinquished (Signature)

Date/Time

Relinquished (Signature)

Date/Time

Received for Laboratory by: (Signature)

Date/Time

Relinquished (Signature)

Date/Time

Enclosed: ☒ Parameter sheet w/detection limits
☐ QA/QC standard mixing instructions ☒ Cover letter
☐ Other

Split Samples:
☐ Accepted ☐ Declined

Return results & electronic copy to:

Shipped via: Bus, Fed Ex, UPS
Other:
Air Bill #

P.O. #

Lab

Remarks

136-566, 117

ASARCO TECHNICAL SERVICES CENTER
ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L010841

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE HOLD ANALYZED	DAYS METHOD
L010841-001	08-JUN-01	EPRI-0105-252	AS	0.56	ppm	EH	20-JUN-01	180 6010
			AS (D)	0.44	ppm	MF	20-JUN-01	180 6020
			CA	732.	ppm	EH	20-JUN-01	180 6010
			CD	<0.005	ppm	MF	19-JUN-01	180 6020
			CD (D)	<0.005	ppm	MF	20-JUN-01	180 6020
			CL-	1857.	ppm	JN	18-JUN-01	28 325.2
			CO3	<1.0	ppm	DC	18-JUN-01	310.1
			COND.	11080.	umhos/cm2	DC	14-JUN-01	28 120.1
			CR	<0.010	ppm	MF	19-JUN-01	180 6020
			CR (D)	0.015	ppm	MF	20-JUN-01	180 6020
			CU	<0.025	ppm	EH	20-JUN-01	6010
			CU (D)	<0.025	ppm	EH	20-JUN-01	14 6010
			F-	0.82	ppm	EH	14-JUN-01	28 340.2
			FE	2.6	ppm	EH	20-JUN-01	180 6020
			FE (D)	0.48	ppm	EH	18-JUN-01	14 310.1
			HCO3	641.	ppm	DC	20-JUN-01	180 6010
			K	37.	ppm	EH	20-JUN-01	180 6010
			MG	355.	ppm	EH	20-JUN-01	180 6010
			NA	1279.	ppm	JN	20-JUN-01	28 353.2
			NO2/NO3	299.	ppm	MF	19-JUN-01	180 6020
			PB	0.005	ppm	MF	20-JUN-01	180 6020
			PB (D)	<0.003	ppm	DC	18-JUN-01	150.1
			PH	7.3	pH	MF	19-JUN-01	180 6020
			SE	0.25	ppm	MF	20-JUN-01	180 6020
			SE (D)	0.36	ppm	MF	20-JUN-01	180 6020
			SO4=	3393.	ppm	JN	25-JUN-01	28 9036
			TDS	9332.	ppm	EH	13-JUN-01	7 160.1
			TSS	60.	ppm	EH	13-JUN-01	160.2
			ZN	0.088	ppm	EH	20-JUN-01	180 6010
			ZN (D)	0.050	ppm	MF	20-JUN-01	180 6020
L010841-002	08-JUN-01	EPRI-0105-253	AS	0.90	ppm	MF	19-JUN-01	180 6020
			AS (D)	0.91	ppm	EH	20-JUN-01	180 6010
			CA	180.	ppm	EH	20-JUN-01	180 6010
			CD	<0.005	ppm	MF	19-JUN-01	180 6020
			CD (D)	<0.005	ppm	MF	20-JUN-01	180 6020
			CL-	632.	ppm	JN	18-JUN-01	28 325.2
			CO3	<1.0	ppm	DC	18-JUN-01	310.1
			COND.	4750.	umhos/cm2	DC	14-JUN-01	28 120.1

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L010841

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DATE	METHOD
L010841-002	08-JUN-01	EPRI-0105-253	CR	0.011	ppm	MF	19-JUN-01	180	6020
			CR(D)	0.012	ppm	MF	20-JUN-01	180	6020
			CU	<0.025	ppm	EH	20-JUN-01	14	6010
			CU(D)	<0.025	ppm	EH	20-JUN-01	14	6010
			F-	2.3	ppm	EH	14-JUN-01	28	340.2
			FE	0.79	ppm	EH	20-JUN-01	180	6010
			FE(D)	0.57	ppm	MF	20-JUN-01	180	6020
			HCO3	322.	ppm	DC	18-JUN-01	14	310.1
			K	20.	ppm	EH	20-JUN-01	180	6010
			MG	66.	ppm	EH	20-JUN-01	180	6010
			NA	695.	ppm	JN	20-JUN-01	28	353.2
			NO2/NO3	9.7	ppm	MF	20-JUN-01	180	6020
			PB	0.005	ppm	MF	20-JUN-01	180	6020
			PB(D)	<0.003	ppm	MF	20-JUN-01	180	6020
			PH	7.8	pH	DC	18-JUN-01	14	150.1
			SE	0.098	ppm	MF	19-JUN-01	180	6020
			SE(D)	0.15	ppm	MF	20-JUN-01	180	6020
			SO4-	1888.	ppm	JN	25-JUN-01	28	9036
			TDS	3590.	ppm	EH	13-JUN-01	7	160.1
			TSS	26.	ppm	EH	13-JUN-01	160.2	160.2
			ZN	0.048	ppm	EH	20-JUN-01	180	6010
			ZN(D)	0.021	ppm	MF	20-JUN-01	180	6020
			AS	1.5	ppm	EH	20-JUN-01	180	6010
			AS(D)	1.5	ppm	EH	20-JUN-01	180	6010
			CA	217.	ppm	EH	20-JUN-01	180	6010
			CD	<0.005	ppm	MF	19-JUN-01	180	6020
			CD(D)	<0.005	ppm	MF	20-JUN-01	180	6020
			CL-	449.	ppm	JN	18-JUN-01	28	325.2
L010841-003	08-JUN-01	EPRI-0105-254	CO3	<1.0	ppm	DC	18-JUN-01	28	310.1
			COND.	4160.	ppm CaCO3	DC	14-JUN-01	28	120.1
			CR	<0.010	umhos/cm2	DC	19-JUN-01	180	6020
			CR(D)	<0.010	ppm	MF	20-JUN-01	180	6020
			CU	<0.025	ppm	MF	20-JUN-01	180	6010
			CU(D)	<0.025	ppm	EH	20-JUN-01	14	6010
			F-	3.4	ppm	EH	14-JUN-01	28	340.2
			FE	0.91	ppm	EH	20-JUN-01	180	6010
			FE(D)	<0.10	ppm	MF	20-JUN-01	180	6020
			HCO3	264.	ppm CaCO3	DC	18-JUN-01	14	310.1

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L010841

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L010841-003	08-JUN-01	EPRI-0105-254	K	40.	ppm	EH	20-JUN-01	180	6010
			MG	48.	ppm	EH	20-JUN-01	180	6010
			NA	542.	ppm	EH	20-JUN-01	180	6010
			NO2/NO3	9.0	ppm	JN	20-JUN-01	28	353.2
			PB	0.022	ppm	MF	19-JUN-01	180	6020
			PB(D)	<0.003	ppm	MF	20-JUN-01	180	6020
			PH	7.8	pH	DC	18-JUN-01		150.1
			SE	0.20	ppm	MF	19-JUN-01	180	6020
			SE(D)	0.27	ppm	MF	20-JUN-01	180	6020
			SO4=	1488.	ppm	JN	25-JUN-01	28	9036
			TDS	3146.	ppm	EH	13-JUN-01	7	160.1
			TSS	28.	ppm	EH	13-JUN-01		160.2
			ZN	0.021	ppm	EH	20-JUN-01	180	6010
			ZN(D)	<0.020	ppm	MF	20-JUN-01	180	6020
L010841-004	08-JUN-01	EPRI-0105-255	AS	1.5	ppm	EH	20-JUN-01	180	6010
			AS(D)	1.5	ppm	EH	20-JUN-01	180	6010
			CA	221.	ppm	EH	20-JUN-01	180	6010
			CD	<0.005	ppm	MF	19-JUN-01	180	6020
			CD(D)	<0.005	ppm	MF	20-JUN-01	180	6020
			CL-	539.	ppm	JN	18-JUN-01	28	325.2
			CO3	<1.0	ppm	DC	18-JUN-01		310.1
			COND.	4190.	umhos/cm2	DC	14-JUN-01	28	120.1
			CR	0.010	ppm	MF	19-JUN-01	180	6020
			CR(D)	<0.010	ppm	MF	20-JUN-01	180	6010
			CU	<0.025	ppm	EH	20-JUN-01	14	6010
			CU(D)	<0.025	ppm	EH	20-JUN-01	14	6010
			F-	3.5	ppm	EH	14-JUN-01	28	340.2
			FE	0.90	ppm	EH	20-JUN-01	180	6010
			FE(D)	0.10	ppm	MF	20-JUN-01	180	6020
			HCO3	277.	ppm	DC	18-JUN-01	14	310.1
			K	42.	ppm	DC	20-JUN-01	180	6010
			NO2/NO3	9.1	ppm	EH	20-JUN-01	180	6010
			MG	51.	ppm	EH	20-JUN-01	180	6010
			NA	547.	ppm	EH	20-JUN-01	28	353.2
L010841-004	08-JUN-01	EPRI-0105-255	NO2/NO3	9.1	ppm	JN	20-JUN-01	28	353.2
			PB	0.018	ppm	MF	19-JUN-01	180	6020
			PB(D)	<0.003	ppm	MF	20-JUN-01	180	6020
			PH	7.8	pH	DC	18-JUN-01		150.1
			SE	0.20	ppm	MF	19-JUN-01	180	6020

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L010841

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DATE	METHOD
L010841-004	08-JUN-01	EPRI-0105-255	SE(D)	0.27	ppm	MF	20-JUN-01	180	6020
			SO4=	1475.	ppm	JN	25-JUN-01	28	9036.
			TDS	3146.	ppm	EH	13-JUN-01	7	160.1
			TSS	35.	ppm	EH	13-JUN-01	180	6010
			ZN	0.021	ppm	EH	20-JUN-01	180	6020
			ZN(D)	<0.020	ppm	MF	20-JUN-01	180	6020
			AS	<0.005	ppm	MF	19-JUN-01	180	6020
			AS(D)	<0.005	ppm	MF	20-JUN-01	180	6020
			CA	<1.0	ppm	EH	20-JUN-01	180	6010
			CD	<0.005	ppm	MF	19-JUN-01	180	6020
L010841-005	08-JUN-01	EPRI-0105-256	CD(D)	<0.005	ppm	MF	20-JUN-01	180	6020
			CL-	<1.0	ppm	JN	18-JUN-01	28	325.2
			CO3	<1.0	ppm CaCO3	DC	18-JUN-01	28	310.1
			COND.	<5.0	umhos/cm2	DC	14-JUN-01	28	120.1
			CR	<0.010	ppm	MF	19-JUN-01	180	6020
			CR(D)	<0.010	ppm	MF	20-JUN-01	180	6010
			CU	<0.025	ppm	EH	20-JUN-01	14	6010
			CU(D)	<0.025	ppm	EH	14-JUN-01	28	340.2
			F-	<0.050	ppm	EH	20-JUN-01	180	6010
			FE	<0.10	ppm	MF	20-JUN-01	180	6020
			FE(D)	<0.10	ppm CaCO3	DC	18-JUN-01	14	310.1
			HCO3	<1.0	ppm	EH	20-JUN-01	180	6010
			K	<2.0	ppm	EH	20-JUN-01	180	6010
			MG	<2.0	ppm	EH	20-JUN-01	180	6010
			NA	<2.0	ppm	JN	20-JUN-01	28	353.2
			NO2/NO3	<0.10	ppm	MF	20-JUN-01	180	6020
			PB	<0.003	ppm	MF	19-JUN-01	180	6020
			PB(D)	<0.003	ppm	DC	18-JUN-01	150.1	
			PH	5.2	pH	MF	19-JUN-01	180	6020
			SE	<0.005	ppm	MF	20-JUN-01	180	6020
			SE(D)	<0.005	ppm	MF	25-JUN-01	28	9036
			SO4=	<2.0	ppm	JN	13-JUN-01	7	160.1
			TDS	<10.	ppm	EH	13-JUN-01	180	6010
			TSS	<1.0	ppm	EH	20-JUN-01	180	6010
			ZN	<0.020	ppm	MF	20-JUN-01	180	6020
			ZN(D)	<0.020	ppm	MF	20-JUN-01	180	6020

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L010841

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS METHOD
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PH is a field parameter therefore holding time cannot be met by the laboratory.
Digestion Methods for totals --- 3010 and 6020.

SW
Approved

AWC
Reviewer

ASARCO TECHNICAL SERVICES CENTER
ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: WG010590

LAB NO.	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DATE	METHOD
WG010590-1		Matrix Spike	AS	86	%Recovery	MF	19-JUN-01		6020
			AS (D)	98	%Recovery	MF	20-JUN-01		6020
			CD	81	%Recovery	MF	19-JUN-01		6020
			CD (D)	93	%Recovery	JN	20-JUN-01		6020
			CL-	95	%Recovery	MF	18-JUN-01		325.2
			CR	84	%Recovery	MF	19-JUN-01		6020
			CR (D)	98	%Recovery	MF	20-JUN-01		6010
			CU	114	%Recovery	EH	20-JUN-01		6010
			CU (D)	108	%Recovery	EH	20-JUN-01		340.2
			F-	100	%Recovery	EH	14-JUN-01		6010
			FE	118	%Recovery	EH	20-JUN-01		6020
			FE (D)	86	%Recovery	MF	20-JUN-01		353.2
			NO2/NO3	93	%Recovery	JN	20-JUN-01		6020
			PB	81	%Recovery	MF	19-JUN-01		6020
			PB (D)	93	%Recovery	MF	20-JUN-01		6020
			SE	84	%Recovery	MF	19-JUN-01		6020
			SE (D)	103	%Recovery	MF	20-JUN-01		9036
			SO4=	103	%Recovery	JN	25-JUN-01		6010
			ZN	96	%Recovery	EH	20-JUN-01		6020
			ZN (D)	92	%Recovery	MF	20-JUN-01		6020
WG010590-2		Prep Blank	AS	<0.005	ppm	MF	19-JUN-01		6020
			AS (D)	<0.005	ppm	MF	20-JUN-01		6020
			CA	<1.0	ppm	EH	20-JUN-01		6010
			CD	<0.005	ppm	MF	19-JUN-01		6020
			CD (D)	<0.005	ppm	MF	20-JUN-01		6020
			CL-	<1.0	ppm	JN	20-JUN-01		325.2
			CO3	<1.0	ppm	JN	18-JUN-01		310.1
			COND.	<5.0	umhos/cm2	DC	14-JUN-01		120.1
			CR	<0.010	ppm	MF	19-JUN-01		6020
			CR (D)	<0.010	ppm	MF	20-JUN-01		6010
			CU	<0.025	ppm	EH	20-JUN-01		6010
			CU (D)	<0.025	ppm	EH	20-JUN-01		340.2
			F-	<0.050	ppm	EH	14-JUN-01		6010
			FE	<0.10	ppm	MF	20-JUN-01		6020
			FE (D)	<0.10	ppm	MF	20-JUN-01		310.1
			HCO3	<1.0	ppm	DC	18-JUN-01		6010
			K	<2.0	ppm	EH	20-JUN-01		6010
			MG	<1.0	ppm	EH	20-JUN-01		6010
					ppm CaCO3	DC	20-JUN-01		6010

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: WG010590

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	FOUND
WG010590-2		Prep Blank	NA	<2.0	ppm	EH	20-JUN-01	6010
			NO2/NO3	<0.10	ppm	JN	20-JUN-01	353.2
			PB	<0.003	ppm	MF	19-JUN-01	6020
			PB (D)	<0.003	ppm	MF	20-JUN-01	6020
			SE	<0.005	ppm	MF	19-JUN-01	6020
			SE (D)	<0.005	ppm	MF	20-JUN-01	6020
			SO4=	<2.0	ppm	JN	25-JUN-01	9036
			TDS	<10.	ppm	EH	13-JUN-01	160.1
			TSS	<1.0	ppm	EH	13-JUN-01	160.2
			ZN	<0.020	ppm	EH	20-JUN-01	6010
			ZN (D)	<0.020	ppm	MF	20-JUN-01	6020
			AS	96	%Recovery	MF	19-JUN-01	6020
			AS (D)	100	%Recovery	MF	20-JUN-01	6020
			CA	98	%Recovery	EH	20-JUN-01	6010
			CD	100	%Recovery	MF	19-JUN-01	6020
			CD (D)	100	%Recovery	MF	20-JUN-01	6020
			CL-	98	%Recovery	JN	18-JUN-01	325.2
WG010590-3		Lab Control Sample	COND.	102	%Recovery	DC	14-JUN-01	120.1
			CR	91	%Recovery	MF	19-JUN-01	6020
			CR (D)	90	%Recovery	MF	20-JUN-01	6020
			CU	103	%Recovery	EH	20-JUN-01	6010
			CU (D)	103	%Recovery	EH	20-JUN-01	6010
			F-	98	%Recovery	EH	14-JUN-01	340.2
			FE	105	%Recovery	EH	20-JUN-01	6010
			FE (D)	100	%Recovery	MF	20-JUN-01	6020
			HCO3	90	%Recovery	DC	18-JUN-01	310.1
			K	90	%Recovery	EH	20-JUN-01	6010
			MG	100	%Recovery	EH	20-JUN-01	6010
			NA	81	%Recovery	EH	20-JUN-01	6010
			NO2/NO3	99	%Recovery	JN	20-JUN-01	353.2
			PB	102	%Recovery	MF	19-JUN-01	6020
			PB (D)	95	%Recovery	MF	20-JUN-01	6020
			SE	100	%Recovery	MF	19-JUN-01	6020
			SE (D)	103	%Recovery	MF	20-JUN-01	6020
			SO4=	103	%Recovery	JN	25-JUN-01	9036
			TDS	107	%Recovery	EH	13-JUN-01	160.1
			TSS	87	%Recovery	EH	13-JUN-01	160.2
			ZN	95	%Recovery	EH	20-JUN-01	6010

ASARCO TECHNICAL SERVICES CENTER
ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: WG010590

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
WG010590-3		Lab Control Sample	ZN (D)	101	% Recovery	MF	20-JUN-01		6020
WG010590-4		Duplicate	CL-	+/- prdl	% RPD	JN	18-JUN-01		325.2
			CO3	<1	% RPD	DC	18-JUN-01		310.1
			COND.	<1	% RPD	DC	14-JUN-01		120.1
			F-	<1	% RPD	EH	14-JUN-01		340.2
			HCO3	<1	% RPD	DC	18-JUN-01		310.1
			K	2.4	% RPD	EH	20-JUN-01		6010
			NO2/NO3	<1	% RPD	JN	20-JUN-01		353.2
			SO4=	1.4	% RPD	JN	25-JUN-01		9036
			TDS	<1	% RPD	EH	13-JUN-01		160.1
			TSS	3.4	% RPD	EH	13-JUN-01		160.2
WG010590-5		Matrix Spike Duplicate	AS	4.5	% RPD	MF	19-JUN-01		6020
			AS (D)	<1	% RPD	MF	20-JUN-01		6020
			CA	1.6	% RPD	EH	20-JUN-01		6010
			CD	3.6	% RPD	MF	19-JUN-01		6020
			CD (D)	<1	% RPD	MF	20-JUN-01		6020
			CR	4.0	% RPD	MF	20-JUN-01		6020
			CR (D)	2.0	% RPD	MF	20-JUN-01		6010
			CU	4.4	% RPD	EH	20-JUN-01		6010
			CU (D)	<1	% RPD	EH	20-JUN-01		6010
			FE	6.2	% RPD	EH	20-JUN-01		6020
			FE (D)	2.5	% RPD	MF	20-JUN-01		6010
			MG	1.6	% RPD	EH	20-JUN-01		6010
			NA	2.4	% RPD	EH	20-JUN-01		6020
			PB	4.1	% RPD	MF	19-JUN-01		6020
			PB (D)	5.6	% RPD	MF	20-JUN-01		6020
			SE	7.0	% RPD	MF	19-JUN-01		6020
			SE (D)	1.0	% RPD	MF	20-JUN-01		6020
			ZN	5.1	% RPD	EH	20-JUN-01		6010
			ZN (D)	1.8	% RPD	MF	20-JUN-01		6020
WG010590-6		Reporting Limit	AS	0.005	ppm				6020
			AS (D)	0.005	ppm				6020
			CA	1.0	ppm				6010
			CD	0.005	ppm				6020
			CD (D)	0.005	ppm				6020
			CL-	1.0	ppm				325.2

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: WG010590

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	FIELD DMS METHOD
WG010590-6		Reporting Limit	CO3	1.0	ppm CaCO3		18-JUN-01	310.1
			COND.	5.0	umhos/cm2			120.1
			CR	0.010	ppm			6020
			CR (D)	0.010	ppm			6020
			CU	0.025	ppm	EH	20-JUN-01	6010
			CU (D)	0.025	ppm			6010
			F-	0.050	ppm			340.2
			FE	0.10	ppm			6010
			FE (D)	0.10	ppm			6020
			HCO3	1.0	ppm CaCO3		18-JUN-01	310.1
			K	2.0	ppm			6010
			MG	1.0	ppm			6010
			NA	2.0	ppm			6010
			NO2/NO3	0.10	ppm			353.2
			PB	0.003	ppm			6020
			PB (D)	0.003	ppm			6020
			SE	0.005	ppm			6020
			SE (D)	0.005	ppm			6020
			SO4=	2.0	ppm			9036
			TDS	10.	ppm			160.1
			TSS	1.0	ppm			160.2
			ZN	0.020	ppm	EH	20-JUN-01	6010
			ZN (D)	0.020	ppm			6020
WG010590-7		Matrix Spike	AS	101	%Recovery	EH	20-JUN-01	6010
			AS (D)	94	%Recovery	EH	20-JUN-01	6010
WG010590-8		Prep Blank	AS	<0.020	ppm	EH	20-JUN-01	6010
			AS (D)	<0.020	ppm	EH	20-JUN-01	6010
WG010590-9		Lab Control Sample	AS	96	%Recovery	EH	20-JUN-01	6010
			AS (D)	88	%Recovery	EH	20-JUN-01	6010
WG010590-11		Matrix Spike Duplicate	AS	3.2	% RPD	EH	20-JUN-01	6010
			AS (D)	<1	% RPD	EH	20-JUN-01	6010

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: WG010590

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	ANALYZED	DATE	HOLD	CRMS METHOD
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SM

Approved

SLC

Reviewer

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PROJ. NO.		PROJECT NAME		NO. OF CON-TAINERS	ANALYSIS							REMARKS	
DATE	TIME	COMP.	GRAB		SAMPLE NUMBER	Commons UF/RAW	Nutrients UF/H ₂ SO ₄	Diss. Metal F/HNO ₃	CN UF/NaOH	Total Metals UF/HNO ₃	Total Recoverable Metals UF/HNO ₃		BTEX
1246VZ	1000				3	✓	✓			✓			
	1120				3	✓	✓			✓			
	1135				3	✓	✓			✓			
	1440				3	✓	✓			✓			
	1600				3	✓	✓			✓			
/													
Received by: (Signature)					Date/Time		Lab		P.O. #		Shipped via: Bus, Red Ex, UPS Other Air Bill #		
Received by: (Signature)					Date/Time		Remarks						
Received for Laboratory by: (Signature)					Date/Time		Enclosed: <input checked="" type="checkbox"/> Parameter sheet w/detection limits <input type="checkbox"/> QA/QC standard mixing instructions <input checked="" type="checkbox"/> Cover letter <input type="checkbox"/> Other						

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L010629

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L010629-001	04-MAY-01	EPRI-0105-100	AS	0.075	ppm	MF	21-MAY-01	180	6020
			CA	123.	ppm	EH	17-MAY-01	180	6010
			CD	<0.005	ppm	MF	21-MAY-01	180	6020
			CL-	203.	ppm	JN	25-MAY-01	28	325.2
			CO3	24.	ppm	DC	18-MAY-01	28	310.1
			COND.	1720.	umhos/cm2	BD	11-MAY-01	28	120.1
			CR	<0.010	ppm	MF	21-MAY-01	180	6020
			CU	0.26	ppm	EH	17-MAY-01	180	6010
			F-	0.76	ppm	EH	11-MAY-01	28	340.2
			FE	22.	ppm	EH	17-MAY-01	180	6010
			HCO3	266.	ppm	DC	18-MAY-01	14	310.1
			K	18.	ppm	EH	17-MAY-01	180	6010
			MG	34.	ppm	EH	17-MAY-01	180	6010
			NA	255.	ppm	EH	17-MAY-01	180	6010
			NO2/NO3	<.10	ppm	JHN	16-MAY-01	28	353.2
			PB	0.10	ppm	MF	21-MAY-01	180	6020
			PH	8.6	ppm	DC	18-MAY-01	180	150.1
			SE	<0.005	ppm	MF	21-MAY-01	180	6020
			SO4=	352.	ppm	JN	14-MAY-01	28	9036
			TDS	1131.	ppm	BD	21-MAY-01	180	6020
			TSS	761.	ppm	BD	09-MAY-01	180	160.2
			ZN	0.17	ppm	EH	17-MAY-01	180	6010
L010629-002	04-MAY-01	EPRI-0105-101	AS	0.095	ppm	MF	21-MAY-01	180	6020
			CA	118.	ppm	EH	17-MAY-01	180	6010
			CD	0.005	ppm	MF	21-MAY-01	180	6020
			CL-	1013.	ppm	JN	25-MAY-01	28	325.2
			CO3	24.	ppm	DC	18-MAY-01	28	310.1
			COND.	5240.	umhos/cm2	BD	11-MAY-01	28	120.1
			CR	<0.010	ppm	MF	21-MAY-01	180	6020
			CU	0.16	ppm	EH	17-MAY-01	180	6010
			F-	2.7	ppm	EH	11-MAY-01	28	340.2
			FE	1.8	ppm	EH	17-MAY-01	180	6010
			HCO3	852.	ppm	DC	18-MAY-01	14	310.1
			K	15.	ppm	EH	17-MAY-01	180	6010
			MG	59.	ppm	EH	17-MAY-01	180	6010
			NA	1106.	ppm	EH	17-MAY-01	180	6010
			NO2/NO3	<.10	ppm	JHN	16-MAY-01	28	353.2
			PB	0.027	ppm	MF	21-MAY-01	180	6020

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L010629

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD
L010629-002	04-MAY-01	EPRI-0105-101	PH	8.5	PH	DC	18-MAY-01	150.1
			SE	<0.005	ppm	MF	21-MAY-01	180
			SO4=	1177.	ppm	JN	14-MAY-01	28
			TDS	3566.	ppm	BD	10-MAY-01	7
			TSS	121.	ppm	BD	09-MAY-01	160.2
			ZN	0.061	ppm	EH	17-MAY-01	180
								6010
			AS	0.033	ppm	MF	21-MAY-01	180
			CA	129.	ppm	EH	17-MAY-01	180
			CD	0.007	ppm	MF	21-MAY-01	180
L010629-003	04-MAY-01	EPRI-0105-102	CL-	284.	ppm	JN	25-MAY-01	28
			CO3	28.	ppm CaCO3	DC	18-MAY-01	310.1
			COND.	3620.	umhos/cm2	BD	11-MAY-01	28
			CR	<0.010	ppm	MF	21-MAY-01	180
			CU	<0.025	ppm	EH	17-MAY-01	6020
			F-	2.2	ppm	EH	11-MAY-01	28
			FE	0.16	ppm	EH	17-MAY-01	28
			HCO3	279.	ppm	EH	17-MAY-01	180
			K	15.	ppm CaCO3	DC	18-MAY-01	14
			MG	45.	ppm	EH	17-MAY-01	180
			NA	646.	ppm	EH	17-MAY-01	180
			NO2/NO3	8.4	ppm	JN	16-MAY-01	28
			PB	0.010	ppm	MF	21-MAY-01	180
			PH	8.6	PH	DC	18-MAY-01	150.1
			SE	0.068	ppm	MF	21-MAY-01	180
			SO4=	900.	ppm	JN	14-MAY-01	28
			TDS	2574.	ppm	BD	10-MAY-01	7
			TSS	12.	ppm	BD	09-MAY-01	160.2
			ZN	0.027	ppm	EH	17-MAY-01	180
L010629-004	04-MAY-01	EPRI-0105-103	AS	0.075	ppm	MF	21-MAY-01	180
			CA	90.	ppm	EH	17-MAY-01	180
			CD	<0.005	ppm	MF	21-MAY-01	180
			CL-	303.	ppm	JN	25-MAY-01	28
			CO3	28.	ppm CaCO3	DC	18-MAY-01	310.1
			COND.	2620.	umhos/cm2	BD	11-MAY-01	28
			CR	<0.010	ppm	MF	21-MAY-01	180
			CU	<0.025	ppm	EH	17-MAY-01	6020
			F-	1.6	ppm	EH	11-MAY-01	28
								340.2

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L010629

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNIT'S	ANALYST	DATE ANALYZED	HOLD DATE	ANALYSIS METHOD
L010629-004	04-MAY-01	EPRI-0105-103	FE	2.5	ppm	EH	17-MAY-01	180	6010
			HCO3	225.	ppm	DC	18-MAY-01	14	310.1
			K	7.7	ppm	EH	17-MAY-01	180	6010
			MG	30.	ppm	EH	17-MAY-01	180	6010
			NA	488.	ppm	EH	17-MAY-01	180	6010
			NO2/NO3	.24	ppm	JHN	16-MAY-01	28	353.2
			PB	<0.003	ppm	MF	21-MAY-01	180	6020
			PH	8.7	ppm	DC	18-MAY-01	180	150.1
			SE	<0.005	ppm	MF	21-MAY-01	180	6020
			SO4=	710.	ppm	JN	14-MAY-01	28	9036
			TDS	1767.	ppm	BD	10-MAY-01	7	
			TSS	23.	ppm	BD	09-MAY-01		160.2
			ZN	0.029	ppm	EH	17-MAY-01	180	6010
			AS	0.068	ppm	MF	21-MAY-01	180	6020
			CA	88.	ppm	EH	17-MAY-01	180	6010
			CD	<0.005	ppm	MF	21-MAY-01	180	6020
			CL-	271.	ppm	JN	25-MAY-01	28	325.2
			CO3	<1.0	ppm	DC	18-MAY-01		310.1
			COND.	2640.	ppm	BD	11-MAY-01	28	120.1
			CR	<0.010	ppm	MF	21-MAY-01	180	6020
L010629-005	04-MAY-01	EPRI-0105-219	CU	<0.025	ppm	EH	17-MAY-01		6010
			F-	1.7	ppm	EH	11-MAY-01	28	340.2
			FE	2.4	ppm	EH	17-MAY-01	180	6010
			HCO3	260.	ppm	DC	18-MAY-01	14	310.1
			K	8.1	ppm	EH	17-MAY-01	180	6010
			MG	.28.	ppm	EH	17-MAY-01	180	6010
			NA	474.	ppm	EH	17-MAY-01	180	6010
			NO2/NO3	.21	ppm	JHN	16-MAY-01	28	353.2
			PB	<0.003	ppm	MF	21-MAY-01	180	6020
			PH	8.3	ppm	DC	18-MAY-01	180	150.1
			SE	<0.005	ppm	MF	21-MAY-01	180	6020
			SO4=	788.	ppm	JN	14-MAY-01	28	9036
			TDS	1825.	ppm	BD	10-MAY-01	7	
			TSS	14.	ppm	BD	09-MAY-01		160.2
			ZN	0.026	ppm	EH	17-MAY-01	180	6010
			AS	292.	ppm	EH	18-MAY-01	180	6010
			CA	1280.	ppm	EH	17-MAY-01	180	6010
L010629-006	04-MAY-01	EPRI-0105-178							

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L010629

LAB NO.	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L010629-006	04-MAY-01	EPRI-0105-178	CD	3.0	ppm	MF	21-MAY-01	180	6020
			CL-	821.	ppm	JN	25-MAY-01	28	325.2
			CO3	<1.0	ppm CaCO3	DC	18-MAY-01	310.1	
			COND.	7690.	umhos/cm2	BD	11-MAY-01	28	120.1
			CR	0.044	ppm	MF	21-MAY-01	180	6020
			CU	1.9	ppm	EH	17-MAY-01	6010	
			F-	8.5	ppm	EH	11-MAY-01	28	340.2
			FE	473.	ppm	EH	17-MAY-01	180	6010
			HCO3	2144.	ppm CaCO3	DC	18-MAY-01	14	310.1
			K	347.	ppm	EH	17-MAY-01	180	6010
			MG	414.	ppm	EH	17-MAY-01	180	6010
			NA	1133.	ppm	EH	17-MAY-01	180	6010
			NO2/NO3	.21	ppm	JHN	16-MAY-01	28	353.2
			PS	0.87	ppm	EH	17-MAY-01	180	6010
			PH	6.5	pH	DC	18-MAY-01	150.1	
			SE	0.17	ppm	MF	21-MAY-01	180	6020
			SO4=	3190.	ppm	JN	14-MAY-01	28	9036
			TDS	6746.	ppm	BD	10-MAY-01	7	
			TSS	13382.	ppm	BD	09-MAY-01	160.2	
			ZN	109.	ppm	EH	17-MAY-01	180	6010
L010629-007	04-MAY-01	EPRI-0105-180	AS	6.2	ppm	EH	18-MAY-01	180	6010
			CA	451.	ppm	EH	17-MAY-01	180	6010
			CD	1.4	ppm	MF	21-MAY-01	180	6020
			CL-	275.	ppm	JN	25-MAY-01	28	325.2
			CO3	<1.0	ppm CaCO3	DC	18-MAY-01	28	310.1
			COND.	6210.	umhos/cm2	BD	11-MAY-01	28	120.1
			CR	0.039	ppm	MF	21-MAY-01	180	6020
			CU	30.	ppm	EH	17-MAY-01	6010	
			F-	4.2	ppm	EH	11-MAY-01	28	340.2
			FE	72.	ppm	EH	17-MAY-01	180	6010
			HCO3	860.	ppm CaCO3	DC	18-MAY-01	14	310.1
			K	75...	ppm	EH	17-MAY-01	180	6010
			MG	116.	ppm	EH	17-MAY-01	180	6010
			NA	1058.	ppm	EH	17-MAY-01	180	6010
			NO2/NO3	16	ppm	JHN	16-MAY-01	28	353.2
			PS	3.7	ppm	EH	17-MAY-01	180	6010
			PH	7.7	pH	DC	18-MAY-01	150.1	
			SE	0.32	ppm	MF	21-MAY-01	180	6020

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L010629

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	WELD DAYS METHOD
L010629-007	04-MAY-01	EPRI-0105-180	SO4=	1130.	ppm	JN	14-MAY-01	28 9036
			TDS	4504.	ppm	BD	10-MAY-01	7 160.1
			TSS	2430.	ppm	BD	09-MAY-01	160.2
			ZN	7.4	ppm	EH	17-MAY-01	180 6010
			AS	11.	ppm	EH	17-MAY-01	180 6010
			CA	674.	ppm	EH	17-MAY-01	180 6010
			CD	1.7	ppm	MF	21-MAY-01	180 6020
			CL-	329.	ppm	JN	25-MAY-01	28 325.2
			CO3	<1.0	ppm CaCO3	DC	18-MAY-01	310.1
			COND.	3740.	umhos/cm2	BD	11-MAY-01	28 120.1
L010629-008	04-MAY-01	EPRI-0105-181	CR	0.055	ppm	MF	21-MAY-01	180 6020
			CU	4.5	ppm	EH	17-MAY-01	6010
			F-	3.5	ppm	EH	11-MAY-01	28 340.2
			FE	129.	ppm	EH	17-MAY-01	180 6010
			HCO3	1140.	ppm CaCO3	DC	18-MAY-01	14 310.1
			K	146.	ppm	EH	17-MAY-01	180 6010
			MG	104.	ppm	EH	17-MAY-01	180 6010
			NA	540.	ppm	EH	17-MAY-01	28 353.2
			NO2/NO3	14	ppm	JHN	16-MAY-01	28 6010
			PB	4.5	ppm	EH	17-MAY-01	180 6010
			PH	7.7	PH	DC	18-MAY-01	150.1
			SE	1.2	ppm	MF	21-MAY-01	180 6020
			SO4=	1317.	ppm	JN	14-MAY-01	28 9036
			TDS	2872.	ppm	BD	10-MAY-01	7 160.1
			TSS	7858.	ppm	BD	09-MAY-01	160.2
			ZN	3.2	ppm	EH	17-MAY-01	180 6010
			AS	0.52	ppm	EH	17-MAY-01	180 6010
			CA	243.	ppm	EH	17-MAY-01	180 6010
			CD	0.014	ppm	MF	21-MAY-01	180 6020
			CL-	396.	ppm	JN	25-MAY-01	28 325.2
			CO3	38.	ppm CaCO3	DC	18-MAY-01	310.1
			COND.	3520.	umhos/cm2	BD	11-MAY-01	28 120.1
			CR	0.079	ppm	MF	21-MAY-01	180 6020
			CU	0.39	ppm	EH	17-MAY-01	6010
			F-	1.5	ppm	EH	11-MAY-01	28 340.2
			FE	256.	ppm	EH	17-MAY-01	180 6010
			HCO3	432.	ppm CaCO3	DC	18-MAY-01	14 310.1
L010629-009	04-MAY-01	EPRI-0105-182	AS	0.52	ppm	EH	17-MAY-01	180 6010
			CA	243.	ppm	EH	17-MAY-01	180 6010
			CD	0.014	ppm	MF	21-MAY-01	180 6020
			CL-	396.	ppm	JN	25-MAY-01	28 325.2
			CO3	38.	ppm CaCO3	DC	18-MAY-01	310.1
			COND.	3520.	umhos/cm2	BD	11-MAY-01	28 120.1
			CR	0.079	ppm	MF	21-MAY-01	180 6020
			CU	0.39	ppm	EH	17-MAY-01	6010
			F-	1.5	ppm	EH	11-MAY-01	28 340.2
			FE	256.	ppm	EH	17-MAY-01	180 6010

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L010629

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD
L010629-009	04-MAY-01	EPRI-0105-182	K	60.	ppm	EH	17-MAY-01	180
			MG	141.	ppm	EH	17-MAY-01	180
			NA	675.	ppm	EH	17-MAY-01	180
			NO2/NO3	17	ppm	JHN	16-MAY-01	28
			PB	0.49	ppm	EH	17-MAY-01	180
			PH	8.7	pH	DC	18-MAY-01	150.1
			SE	0.32	ppm	MF	21-MAY-01	180
			SO4=	1234.	ppm	JN	14-MAY-01	28
			TDS	2486.	ppm	BD	10-MAY-01	7
			TSS	4441.	ppm	BD	09-MAY-01	160.2
			ZN	0.71	ppm	EH	17-MAY-01	180
			AS	<0.005	ppm	MF	21-MAY-01	180
			CA	<1.0	ppm	EH	17-MAY-01	180
			CD	<0.005	ppm	MF	21-MAY-01	180
			CL-	<1.0	ppm	JN	25-MAY-01	28
			CO3	<1.0	ppm CaCO3	DC	18-MAY-01	310.1
			COND.	<5.0	umhos/cm2	BD	11-MAY-01	28
L010629-010	04-MAY-01	EPRI-0105-220	CR	<0.010	ppm	MF	21-MAY-01	180
			CU	<0.025	ppm	EH	17-MAY-01	6010
			F-	<0.050	ppm	EH	11-MAY-01	28
			FE	<0.10	ppm	EH	17-MAY-01	180
			HCO3	<1.0	ppm CaCO3	DC	18-MAY-01	14
			K	<2.0	ppm	EH	17-MAY-01	180
			MG	<1.0	ppm	EH	17-MAY-01	180
			NA	<2.0	ppm	EH	17-MAY-01	180
			NO2/NO3	.12	ppm	JHN	16-MAY-01	28
			PB	<0.003	ppm	MF	21-MAY-01	180
			PH	5.4	pH	DC	18-MAY-01	150.1
			SE	<0.005	ppm	MF	21-MAY-01	180
			SO4=	<2.0	ppm	JN	14-MAY-01	28
			TDS	<10.	ppm	BD	10-MAY-01	7
			TSS	<1.0	ppm	BD	09-MAY-01	160.2
			ZN	<0.020	ppm	EH	17-MAY-01	180
L010629-011	07-MAY-01	EPRI-0105-135	AS	0.018	ppm	MF	21-MAY-01	180
			CA	453.	ppm	EH	17-MAY-01	180
			CD	<0.005	ppm	MF	21-MAY-01	180
			CL-	412.	ppm	JN	25-MAY-01	28

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L010629

LAP NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD
L010629-011	07-MAY-01	EPRI-0105-135	CO3	<1.0	ppm CaCO3	DC	18-MAY-01	310.1
			COND.	4290.	umhos/cm2	BD	11-MAY-01	28
			CR	<0.010	ppm	MF	21-MAY-01	180
			CU	<0.025	ppm	EH	17-MAY-01	6010
			F-	0.70	ppm	EH	11-MAY-01	28
			FE	0.11	ppm	EH	17-MAY-01	180
			HCO3	190.	ppm CaCO3	DC	18-MAY-01	14
			K	13.	ppm	EH	17-MAY-01	180
			MG	129.	ppm	EH	17-MAY-01	180
			NA	452.	ppm	EH	17-MAY-01	180
			NO2/NO3	15	ppm	JHN	16-MAY-01	28
			PB	<0.003	ppm	MF	21-MAY-01	180
			PH	8.1	pH	DC	18-MAY-01	150.1
			SE	0.10	ppm	MF	21-MAY-01	180
			SO4=	2049.	ppm	JN	14-MAY-01	28
			TDS	3733.	ppm	BD	10-MAY-01	7
			TSS	4.3	ppm	BD	09-MAY-01	160.2
			ZN	0.059	ppm	EH	17-MAY-01	180
			AS	0.007	ppm	MF	21-MAY-01	180
			CA	157.	ppm	EH	17-MAY-01	180
			CD	<0.005	ppm	MF	21-MAY-01	180
			CL-	356.	ppm	JN	25-MAY-01	28
			CO3	<1.0	ppm CaCO3	DC	18-MAY-01	310.1
			COND.	2850.	umhos/cm2	BD	11-MAY-01	28
L010629-012	07-MAY-01	EPRI-0105-174	CR	<0.010	ppm	MF	21-MAY-01	180
			CU	<0.025	ppm	EH	17-MAY-01	6010
			F-	0.80	ppm	EH	11-MAY-01	28
			FE	0.13	ppm	EH	17-MAY-01	180
			HCO3	224.	ppm CaCO3	DC	18-MAY-01	14
			K	21.	ppm	EH	17-MAY-01	180
			MG	65.	ppm	EH	17-MAY-01	180
			NA	385.	ppm	EH	17-MAY-01	180
			NO2/NO3	7.7	ppm	JHN	16-MAY-01	28
			PB	<0.003	ppm	MF	21-MAY-01	180
			PH	8.2	pH	DC	18-MAY-01	150.1
			SE	0.015	ppm	MF	21-MAY-01	180
			SO4=	839.	ppm	JN	14-MAY-01	28
			TDS	1993.	ppm	BD	10-MAY-01	7
			AS	0.007	ppm	MF	21-MAY-01	180
			CA	157.	ppm	EH	17-MAY-01	180
			CD	<0.005	ppm	MF	21-MAY-01	180
			CL-	356.	ppm	JN	25-MAY-01	28
			CO3	<1.0	ppm CaCO3	DC	18-MAY-01	310.1
			COND.	2850.	umhos/cm2	BD	11-MAY-01	28
			CR	<0.010	ppm	MF	21-MAY-01	180
			CU	<0.025	ppm	EH	17-MAY-01	6010
			F-	0.80	ppm	EH	11-MAY-01	28
			FE	0.13	ppm	EH	17-MAY-01	180
			HCO3	224.	ppm CaCO3	DC	18-MAY-01	14
			K	21.	ppm	EH	17-MAY-01	180
			MG	65.	ppm	EH	17-MAY-01	180
			NA	385.	ppm	EH	17-MAY-01	180
			NO2/NO3	7.7	ppm	JHN	16-MAY-01	28
			PB	<0.003	ppm	MF	21-MAY-01	180
			PH	8.2	pH	DC	18-MAY-01	150.1
			SE	0.015	ppm	MF	21-MAY-01	180
			SO4=	839.	ppm	JN	14-MAY-01	28
			TDS	1993.	ppm	BD	10-MAY-01	7

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L010629

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE		HOLD
							ANALYZED	RECEIVED	
L010629-012	07-MAY-01	EPRI-0105-174	TSS	3.1	ppm	BD	09-MAY-01	180	160.2
			ZN	0.044	ppm	EH	17-MAY-01	180	6010
			AS	0.005	ppm	MF	21-MAY-01	180	6020
			CA	156.	ppm	EH	17-MAY-01	180	6010
			CD	<0.005	ppm	MF	21-MAY-01	180	6020
			CL-	359.	ppm	JN	25-MAY-01	28	325.2
			CO3	<1.0	ppm CaCO3	DC	18-MAY-01	310.1	
			COND.	2880.	umhos/cm2	BD	11-MAY-01	28	120.1
			CR	<0.010	ppm	MF	21-MAY-01	180	6020
			CU	<0.025	ppm	EH	17-MAY-01	6010	
			F-	0.75	ppm	EH	11-MAY-01	28	340.2
			FE	0.14	ppm	EH	17-MAY-01	180	6010
			HCO3	166.	ppm CaCO3	DC	18-MAY-01	14	310.1
			K	18.	ppm	EH	17-MAY-01	180	6010
L010629-013	07-MAY-01	EPRI-0105-155	MG	61.	ppm	EH	17-MAY-01	180	6010
			NA	359.	ppm	EH	17-MAY-01	180	6010
			NO2/NO3	9.1	ppm	JHN	16-MAY-01	28	353.2
			PB	0.003	ppm	MF	21-MAY-01	180	6020
			PH	8.2	pH	DC	18-MAY-01	150.1	
			SE	0.017	ppm	MF	21-MAY-01	180	6020
			SO4=	901.	ppm	JN	14-MAY-01	28	9036
			TDS	2034.	ppm	BD	10-MAY-01	7	160.1
			TSS	2.6	ppm	BD	09-MAY-01	160.2	
			ZN	0.040	ppm	EH	17-MAY-01	180	6010
			AS	0.005	ppm	MF	21-MAY-01	180	6020
			CA	163.	ppm	EH	17-MAY-01	180	6010
			CD	<0.005	ppm	MF	21-MAY-01	180	6020
			CL-	353.	ppm	JN	25-MAY-01	28	325.2
L010629-014	07-MAY-01	EPRI-0105-221	CO3	<1.0	ppm CaCO3	DC	18-MAY-01	310.1	
			COND.	2860.	umhos/cm2	BD	11-MAY-01	28	120.1
			CR	<0.010	ppm	MF	21-MAY-01	180	6020
			CU	<0.025	ppm	EH	17-MAY-01	6010	
			F-	0.75	ppm	EH	11-MAY-01	28	340.2
			FE	0.11	ppm	EH	17-MAY-01	180	6010
			HCO3	207.	ppm CaCO3	DC	18-MAY-01	14	310.1
			K	19.	ppm	EH	17-MAY-01	180	6010
			MG	64.	ppm	EH	17-MAY-01	180	6010
			AS	0.005	ppm	MF	21-MAY-01	180	6020
			CA	163.	ppm	EH	17-MAY-01	180	6010
			CD	<0.005	ppm	MF	21-MAY-01	180	6020
			CL-	353.	ppm	JN	25-MAY-01	28	325.2
			CO3	<1.0	ppm CaCO3	DC	18-MAY-01	310.1	
			COND.	2860.	umhos/cm2	BD	11-MAY-01	28	120.1

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L010629

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE HOLD	ANALYZED	DATE METHOD
L010629-014	07-MAY-01	EPRI-0105-221	NA	366.	ppm	EH	17-MAY-01	180	6010
			NO2/NO3	8.2	ppm	JHN	16-MAY-01	28	353.2
			PB	<0.003	ppm	MF	21-MAY-01	180	6020
			PH	8.2	pH	DC	18-MAY-01	180	150.1
			SE	0.016	ppm	MF	21-MAY-01	180	6020
			SO4=	901.	ppm	JN	14-MAY-01	28	9036
			TDS	2029.	ppm	BD	10-MAY-01	7	160.1
			TSS	1.8	ppm	BD	09-MAY-01	180	160.2
			ZN	0.038	ppm	EH	17-MAY-01	180	6010
			AS	0.006	ppm	MF	21-MAY-01	180	6020
			CA	253.	ppm	EH	17-MAY-01	180	6010
			CD	<0.005	ppm	MF	21-MAY-01	180	6020
			CL-	575.	ppm	JN	25-MAY-01	28	325.2
			CO3	<1.0	ppm CaCO3	DC	18-MAY-01	180	310.1
L010629-015	07-MAY-01	EPRI-0105-136	COND.	4780.	umhos/cm2	BD	11-MAY-01	28	120.1
			CR	<0.010	ppm	MF	21-MAY-01	180	6020
			CU	<0.025	ppm	EH	17-MAY-01	180	6010
			F-	0.67	ppm	EH	11-MAY-01	28	340.2
			FE	0.49	ppm	EH	17-MAY-01	180	6010
			HCO3	206.	ppm	DC	18-MAY-01	14	310.1
			K	15.	ppm	EH	17-MAY-01	180	6010
			MG	105.	ppm	EH	17-MAY-01	180	6010
			NA	670.	ppm	EH	17-MAY-01	180	6010
			NO2/NO3	39	ppm	JHN	16-MAY-01	28	353.2
			PB	<0.003	ppm	MF	21-MAY-01	180	6020
			PH	8.1	pH	DC	18-MAY-01	180	150.1
			SE	0.25	ppm	MF	21-MAY-01	180	6020
			SO4=	1776.	ppm	JN	14-MAY-01	28	9036
L010629-016	07-MAY-01	EPRI-0105-138	TDS	3640.	ppm	BD	10-MAY-01	7	160.1
			TSS	21.	ppm	BD	09-MAY-01	180	160.2
			ZN	0.060	ppm	EH	17-MAY-01	180	6010
			AS	0.11	ppm	MF	21-MAY-01	180	6020
			CA	362.	ppm	EH	17-MAY-01	180	6010
			CD	<0.005	ppm	MF	21-MAY-01	180	6020
			CL-	597.	ppm	JN	25-MAY-01	28	325.2
			CO3	<1.0	ppm CaCO3	DC	18-MAY-01	180	310.1
			COND.	6280.	umhos/cm2	BD	11-MAY-01	28	120.1

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L010629

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE		HOLD DAYS	METHOD
							ANALYZED	RECEIVED		
L010629-016	07-MAY-01	EPRI-0105-138	CR	<0.010	ppm	MF	21-MAY-01	180	6020	
			CU	<0.025	ppm	EH	17-MAY-01		6010	
			F-	0.84			11-MAY-01	28	340.2	
			FE	0.14		EH	17-MAY-01	180	6010	
			HCO3	244.	ppm CaCO3	DC	18-MAY-01	14	310.1	
			K	20.	ppm	EH	17-MAY-01	180	6010	
			MG	172.	ppm	EH	17-MAY-01	180	6010	
			NA	1045.	ppm	EH	17-MAY-01	180	6010	
			NO2/NO3	76	ppm	JHN	16-MAY-01	28	353.2	
			PB	<0.003	ppm	MF	21-MAY-01	180	6020	
			PH	8.2	pH	DC	18-MAY-01		150.1	
			SE	0.24	ppm	MF	21-MAY-01	180	6020	
			SO4=	2806.	ppm	JN	14-MAY-01	28	9036	
			TDS	5122.	ppm	BD	10-MAY-01	7	160.1	
			TSS	1.5	ppm	BD	09-MAY-01		160.2	
			ZN	0.044	ppm	EH	17-MAY-01	180	6010	
			AS	0.60	ppm	EH	17-MAY-01	180	6010	
			CA	292.	ppm	EH	17-MAY-01	180	6010	
			CD	0.905	ppm	MF	21-MAY-01	180	6020	
			CL-	876.	ppm	JN	25-MAY-01	28	325.2	
			CO3	<1.0	ppm CaCO3	DC	18-MAY-01		310.1	
			COND.	6460.	umhos/cm2	BD	11-MAY-01	28	120.1	
			CR	<0.010	ppm	MF	21-MAY-01	180	6020	
L010629-017	07-MAY-01	EPRI-0105-137	CU	<0.025	ppm	EH	17-MAY-01		6010	
			F-	1.1		EH	11-MAY-01	28	340.2	
			FE	<0.10	ppm	EH	17-MAY-01	180	6010	
			HCO3	190.	ppm CaCO3	DC	18-MAY-01	14	310.1	
			K	21.	ppm	EH	17-MAY-01	180	6010	
			MG	152.	ppm	EH	17-MAY-01	180	6010	
			NA	930.	ppm	EH	17-MAY-01	180	6010	
			NO2/NO3	63	ppm	JHN	16-MAY-01	28	353.2	
			PB	<0.003	ppm	MF	21-MAY-01	180	6020	
			PH	8.2	pH	DC	18-MAY-01		150.1	
			SE	0.21	ppm	MF	21-MAY-01	180	6020	
			SO4=	2759.	ppm	JN	14-MAY-01	28	9036	
			TDS	5071.	ppm	BD	10-MAY-01	7	160.1	
			TSS	4.8	ppm	BD	09-MAY-01		160.2	
			ZN	0.17	ppm	EH	17-MAY-01	180	6010	

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L010629

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DATE	METHOD
L010629-018	07-MAY-01	EPRI-0105-139	AS	0.093	ppm	EH	17-MAY-01	180	6010
			CA	291.	ppm	EH	17-MAY-01	180	6010
			CD	<0.005	ppm	MF	21-MAY-01	180	6020
			CL-	559.	ppm	JN	25-MAY-01	28	325.2
			CO3	40.	ppm	DC	18-MAY-01	310.1	
			COND.	8520.	umhos/cm2	BD	11-MAY-01	28	120.1
			CR	<0.010	ppm	MF	21-MAY-01	180	6020
			CU	0.034	ppm	EH	17-MAY-01	6010	
			F-	1.2	ppm	EH	11-MAY-01	28	340.2
			FE	0.14	ppm	EH	17-MAY-01	180	6010
			HCO3	267.	ppm	DC	18-MAY-01	14	310.1
			K	20.	ppm	EH	17-MAY-01	180	6010
			MG	337.	ppm	EH	17-MAY-01	180	6010
			NA	1655.	ppm	EH	16-MAY-01	28	353.2
			NO2/NO3	52	ppm	JHN	17-MAY-01	180	6020
			PB	<0.003	ppm	MF	21-MAY-01	180	6020
			PH	8.6	ph	DC	18-MAY-01	150.1	
			SE	9.4	ppm	MF	21-MAY-01	180	6020
			SO4=	4662.	ppm	JN	14-MAY-01	28	9036
			TDS	7586.	ppm	BD	10-MAY-01	7	160.1
			TSS	2.9	ppm	BD	09-MAY-01	160.2	
			ZN	0.13	ppm	EH	17-MAY-01	180	6010
L010629-019	07-MAY-01	EPRI-0105-197	AS	0.005	ppm	MF	21-MAY-01	180	6020
			CA	410.	ppm	EH	17-MAY-01	180	6010
			CD	<0.005	ppm	MF	21-MAY-01	180	6020
			CL-	2896.	ppm	JN	25-MAY-01	28	325.2
			CO3	<1.0	ppm	DC	18-MAY-01	310.1	
			COND.	9930.	umhos/cm2	BD	11-MAY-01	28	120.1
			CR	<0.010	ppm	MF	21-MAY-01	180	6020
			CU	0.029	ppm	EH	17-MAY-01	6010	
			F-	1.2	ppm	EH	11-MAY-01	28	340.2
			FE	0.15	ppm	EH	17-MAY-01	180	6010
			HCO3	120.	ppm	DC	18-MAY-01	14	310.1
			K	35.	ppm	EH	17-MAY-01	180	6010
			MG	183.	ppm	EH	17-MAY-01	180	6010
			NA	1498.	ppm	EH	17-MAY-01	180	6010
			NO2/NO3	.66	ppm	JHN	16-MAY-01	28	353.2
			PB	<0.003	ppm	MF	21-MAY-01	180	6020

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L010629

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L010629-019	07-MAY-01	EPRI-0105-197	PH	8.0	ph	DC	18-MAY-01	150.1	
			SE	<0.005	ppm	MF	21-MAY-01	180	6020
			SO4=	419.	ppm	JN	14-MAY-01	28	9036
			TDS	6269.	ppm	BD	10-MAY-01	7	160.1
			TSS	<1.0	ppm	BD	09-MAY-01	160.2	
			ZN	0.095	ppm	EH	17-MAY-01	180	6010
			AS	<0.005	ppm	MF	21-MAY-01	180	6020
			CA	<1.0	ppm	EH	17-MAY-01	180	6010
			CD	<0.005	ppm	MF	21-MAY-01	180	6020
			CL-	<1.0	ppm	JN	29-MAY-01	28	325.2
L010629-020	07-MAY-01	EPRI-0105-222	CO3	<1.0	ppm CaCO3	DC	18-MAY-01	310.1	
			COND.	<5.0	umhos/cm2	BD	11-MAY-01	28	120.1
			CR	<0.010	ppm	MF	21-MAY-01	180	6020
			CU	<0.025	ppm	EH	17-MAY-01	6010	
			F-	<0.050	ppm	EH	11-MAY-01	28	340.2
			FE	<0.10	ppm	EH	17-MAY-01	180	6010
			HCO3	<1.0	ppm CaCO3	DC	18-MAY-01	14	310.1
			K	<2.0	ppm	EH	17-MAY-01	180	6010
			MG	<1.0	ppm	EH	17-MAY-01	180	6010
			NA	<2.0	ppm	EH	17-MAY-01	180	6010
			NO2/NO3	<0.10	ppm	JHN	16-MAY-01	28	353.2
			P8	<0.003	ppm	MF	21-MAY-01	180	6020
			PH	5.6	ph	DC	18-MAY-01	150.1	
			SE	<0.005	ppm	MF	21-MAY-01	180	6020
			SO4=	<2.0	ppm	JN	14-MAY-01	28	9036
			TDS	<10.	ppm	BD	10-MAY-01	7	160.1
			TSS	<1.0	ppm	BD	09-MAY-01	160.2	
			ZN	<0.020	ppm	EH	17-MAY-01	180	6010

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L010629

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE		HOLD DAYS	METHOD
							ANALYZED	RECEIVED		

pH is a field parameter, therefore hold time cannot be met.
metals digestions-3010 and 6020.

Approved

[Signature]

Reviewer

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: WG010480

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
WG010480-1		Matrix Spike	AS	111	%Recovery	MF	21-MAY-01		6020
			CA	94	%Recovery	EH	17-MAY-01		6010
			CD	110	%Recovery	MF	21-MAY-01		6020
			CL-	115	%Recovery	JN	25-MAY-01		325.2
			CR	111	%Recovery	MF	21-MAY-01		6020
			CU	101	%Recovery	EH	17-MAY-01		6010
			F-	100	%Recovery	EH	11-MAY-01		340.2
			FE	98	%Recovery	EH	17-MAY-01		6010
			K	98	%Recovery	EH	17-MAY-01		6010
			MG	95	%Recovery	EH	17-MAY-01		6010
			NA	85	%Recovery	EH	17-MAY-01		6010
			NO2/NO3	103	%Recovery	JN	16-MAY-01		353.2
			PB	104	%Recovery	MF	21-MAY-01		6020
			SE	111	%Recovery	MF	21-MAY-01		6020
			SO4=	102	%Recovery	JN	14-MAY-01		9036
			ZN	90	%Recovery	EH	17-MAY-01		6010
			AS	<0.005	ppm	MF	21-MAY-01		6020
			CA	<1.0	ppm	EH	17-MAY-01		6010
			CD	<0.005	ppm	MF	21-MAY-01		6020
			CL-	<1.0	ppm	JN	25-MAY-01		325.2
			CO3	<1.0	ppm CaCO3	DC	18-MAY-01		310.1
			COND.	<5.0	umhos/cm2	BD	11-MAY-01		120.1
			CR	<0.010	ppm	MF	21-MAY-01		6020
			CU	<0.025	ppm	EH	17-MAY-01		6010
WG010480-2		Prep Blank	F-	<0.050	ppm	EH	11-MAY-01		340.2
			FE	<0.10	ppm	EH	17-MAY-01		6010
			HCO3	<1.0	ppm CaCO3	DC	18-MAY-01		310.1
			K	<2.0	ppm	EH	17-MAY-01		6010
			MG	<1.0	ppm	EH	17-MAY-01		6010
			NA	<2.0	ppm	EH	17-MAY-01		6010
			NO2/NO3	<1.0	ppm	JN	16-MAY-01		353.2
			PB	<0.003	ppm	MF	21-MAY-01		6020
			SE	<0.005	ppm	MF	21-MAY-01		6020
			SO4=	<2.0	ppm	JN	14-MAY-01		9036
			TDS	<10.	ppm	BD	10-MAY-01		
			TSS	<1.0	ppm	BD	09-MAY-01		160.2
			ZN	<0.020	ppm	EH	17-MAY-01		6010

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: WG010480

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE	
							ANALYZED	HOLD DAYS METHOD
WG010480-3		Lab Control Sample	AS	108	% Recovery	MF	21-MAY-01	6020
			CA	98	% Recovery	EH	17-MAY-01	6010
			CD	109	% Recovery	MF	21-MAY-01	6020
			CL-	98	% Recovery	JN	25-MAY-01	325.2
			COND.	101	% Recovery	BD	11-MAY-01	120.1
			CR	102	% Recovery	MF	21-MAY-01	6020
			CU	106	% Recovery	EH	17-MAY-01	6010
			F-	97	% Recovery	EH	11-MAY-01	340.2
			FE	101	% Recovery	EH	17-MAY-01	6010
			HCO3	101	% Recovery	DC	18-MAY-01	310.1
			K	105	% Recovery	EH	17-MAY-01	6010
			MG	101	% Recovery	EH	17-MAY-01	6010
			NA	106	% Recovery	EH	17-MAY-01	6010
			NO2/NO3	99	% Recovery	JHN	16-MAY-01	353.2
			PB	102	% Recovery	MF	21-MAY-01	6020
			SE	114	% Recovery	MF	21-MAY-01	6020
			SO4=	90	% Recovery	JN	14-MAY-01	9036
			TDS	93	% Recovery	BD	10-MAY-01	160.2
			TSS	98	% Recovery	BD	09-MAY-01	6010
			ZN	93	% Recovery	EH	17-MAY-01	6010
WG010480-4		Duplicate	CL-	6.6	% RPD	JN	25-MAY-01	325.2
			CO3	<1	% RPD	DC	18-MAY-01	310.1
			COND.	<1	% RPD	BD	11-MAY-01	120.1
			F-	<1	% RPD	EH	11-MAY-01	340.2
			HCO3	<1	% RPD	DC	18-MAY-01	310.1
			NO2/NO3	+/- RL	% RPD	JHN	16-MAY-01	353.2
			SO4=	14	% RPD	JN	14-MAY-01	9036
			TDS	<1	% RPD	BD	10-MAY-01	160.2
			TSS	<1	% RPD	BD	09-MAY-01	6010
			AS	1.0	% RPD	MF	21-MAY-01	6020
			CA	2.7	% RPD	EH	17-MAY-01	6010
WG010480-5		Matrix Spike Duplicate	CD	<1	% RPD	MF	21-MAY-01	6020
			CR	<1	% RPD	MF	21-MAY-01	6020
			CU	1.0	% RPD	EH	17-MAY-01	6010
			FE	2.5	% RPD	EH	17-MAY-01	6010
			K	5.0	% RPD	EH	17-MAY-01	6010
			MG	<1	% RPD	EH	17-MAY-01	6010
					% RPD	EH	17-MAY-01	6010

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: WG010480

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE		HOLD DAYS	METHOD
							ANALYZED	RECEIVED		
WG010480-5		Matrix Spike Duplicate	NA	4.5	% RPD	EH	17-MAY-01		6010	
			PB	<1	% RPD	MF	21-MAY-01		6020	
			SE	<1	% RPD	MF	21-MAY-01		6020	
			ZN	<1	% RPD	EH	17-MAY-01		6010	
			AS	0.005	ppm				6020	
			CA	1.0	ppm				6010	
WG010480-6		Reporting Limit	CD	0.005	ppm				6020	
			CL-	1.0	ppm				325.2	
			CO3	1.0	ppm CaCO3				310.1	
			COND.	5.0	umhos/cm2				120.1	
			CR	0.010	ppm				6020	
			CU	0.025	ppm				6010	
			F-	0.050	ppm				340.2	
			FE	0.10	ppm				6010	
			HCO3	1.0	ppm CaCO3				310.1	
			K	2.0	ppm				6010	
			MG	1.0	ppm				6010	
			NA	2.0	ppm				6010	
			NO2/NO3	1.0	ppm	JHN	16-MAY-01		353.2	
			PB	0.003	ppm				6020	
			SE	0.005	ppm				6020	
			SO4=	2.0	ppm				9036	
			TDS	10.	ppm				160.2	
			TSS	1.0	ppm				6010	
			ZN	0.020	ppm				6010	
WG010480-7		Matrix Spike	AS	90	%Recovery	EH	17-MAY-01		6010	
			AS	<0.020	ppm	EH	17-MAY-01		6010	
			AS	97	%Recovery	EH	17-MAY-01		6010	
			AS	2.7	% RPD	EH	17-MAY-01		6010	
			PB	2.6	% RPD	EH	17-MAY-01		6010	
WG010480-8		Prep Blank								
WG010480-9		Lab Control Sample								
WG010480-11		Matrix Spike Duplicate								

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: WG010480

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD	DRYS METHOD
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Approved

Reviewer

CHAIN JUSTODY RECORD

3275 W. Ina Rd., Ste. 205 • Tucson, AZ 41 • (520) 544-3150 • FAX (520) 544-3190
P.O. Box 220182, El Paso, TX 79913 • (915) 532-3489 • FAX (915) 532-4897

PROJ. NO.		PROJECT NAME		NO. OF CONTAINERS	COMMONS UF/RAW							REMAR
DATE	TIME	GRAB	COMP		SAMPLE NUMBER	Nutrients UF/H ₂ SO ₄	Diss. Metal F/HNO ₃	CN UF/NaOH	Total Metals UF/HNO ₃	Total Recoverable Metals UF/HNO ₃	BTEX	
5/4/01	8:15			3	3	X			X			
	9:00			3	3	X			X			
	9:30			3	3	X			X			
	11:45			3	3	X			X			
	1:50			3	3	X			X			
	10:30			3	3	X			X			
	12:15			3	3	X			X			
	14:10			3	3	X			X			
	14:30			3	3	X			X			
	15:15			3	3	X			X			
	16:00			3	3	X			X			
Relinquished (Signature)					Date/Time	Received by: (Signature)	Lab	P.O. #	Shipped via: Bus, Fed Ex, UPS Other			
Relinquished (Signature)					Date/Time	Received by: (Signature)	Remarks					
Relinquished (Signature)					Date/Time	Received for Laboratory by: (Signature)	Date/Time	Enclosed: <input checked="" type="checkbox"/> Parameter sheet w/ detection limits <input type="checkbox"/> QA/QC standard mixing instructions <input checked="" type="checkbox"/> Cover letter <input type="checkbox"/> Other				

CHAIN OF CUSTODY RECORD

3275 W. Ina Rd., Ste. 205 • Tucson, AZ 85741 • (520) 544-3150 • FAX (520) 544-3190
 P.O. Box 220182, El Paso, TX 79913 • (915) 532-3489 • FAX (915) 532-4897

PROJ. NO.		PROJECT NAME		NO. OF CONTAINERS		ANALYSIS								REMARK					
1246VZ		ASARC EL PASO, TX		3		DATE	TIME	COMP.	GRAB	SAMPLE NUMBER	Commons UF/RAW	Nutrients UF/H ₂ SO ₄	Diss. Metal F/HNO ₃	CN UF/NaOH	Total Metals UF/HNO ₃	Total Recoverable Metals UF/HNO ₃	BTEX	TPH	
5-7-01	1000									EPR1-0105-135	X	X			X				
	1030									EPR1-0105-174	X	X			X				
	1100									EPR1-0105-155	X	X			X				
	1105									EPR1-0105-221	X	X			X				
	1125									EPR1-0105-136	X	X			X				
	1400									EPR1-0105-138	X	X			X				
	1430									EPR1-0105-137	X	X			X				
	1500									EPR1-0105-139	X	X			X				
	1540									EPR1-0105-197	X	X			X				
	1620									EPR1-0105-222	X	X			X				
/																			

Relinquished (Signature)	Date/Time	Received by: (Signature)	Lab	P.O. #	Shipped via: Bus, Fed Ex, UPS Other	Air Bill #
<i>[Signature]</i>	5/7/01 1615		BSC-340-NT			
Relinquished (Signature)	Date/Time	Received by: (Signature)	Remarks			
Relinquished (Signature)	Date/Time	Received for Laboratory by: (Signature)	Date/Time			

Enclosed: ☒ Parameter sheet w/ detection limits
☐ QA/QC standard mixing instructions ☒ Cover letter
☐ Other

Split Samples: ☐ Accepted ☐ Declined

Return results & electronic copy to: _____ Signature _____

HFC 1-4/95

SECTION I-6

LABORATORY REPORTS FOR WATER SAMPLES,

SUMMER 2001



SECTION F-6

**LAB REPORTS FOR WATER SAMPLES,
SUMMER 2001**

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011038

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L011038-002	18-JUL-01	EPRI-0108-237	CR	<0.010	ppm	EH	20-AUG-01	180	6010
			CR(D)	<0.010	ppm	EH	06-AUG-01	180	6010
			CU	<0.025	ppm	MF	22-AUG-01	180	6020
			CU(D)	<0.025	ppm	MF	22-AUG-01	14	6020
			F-	0.92	ppm	EH	27-JUL-01	28	340.2
			FE	<0.10	ppm	EH	20-AUG-01	180	6010
			FE(D)	<0.10	ppm	EH	06-AUG-01	180	6010
			HCO3	248.	ppm	CaCO3	01-AUG-01	14	310.1
			K	18.	ppm	EH	06-AUG-01	180	6010
			MG	167.	ppm	EH	06-AUG-01	180	6010
			NA	1055.	ppm	EH	06-AUG-01	180	6010
			NO2/NO3	86.	ppm	JN	08-AUG-01	28	353.2
			PB	<0.003	ppm	MF	22-AUG-01	180	6020
			PB(D)	<0.003	ppm	MF	22-AUG-01	180	6020
			PH	7.9	pH	DC	01-AUG-01	150.1	
			SE	0.25	ppm	MF	22-AUG-01	180	6020
			SE(D)	0.25	ppm	MF	22-AUG-01	180	6020
			SO4-	2807.	ppm	JN	10-AUG-01	28	9036
			TDS	5203.	ppm	BD	23-JUL-01	7	160.1
			TSS	<1.0	ppm	BD	23-JUL-01	160.2	
			ZN	0.021	ppm	MF	22-AUG-01	180	6020
			ZN(D)	<0.020	ppm	MF	22-AUG-01	180	6020
L011038-003	18-JUL-01	EPRI-0108-137	AS	0.73	ppm	MF	22-AUG-01	180	6020
			AS(D)	0.73	ppm	MF	22-AUG-01	180	6020
			CA	288.	ppm	EH	06-AUG-01	180	6010
			CD	<0.005	ppm	MF	22-AUG-01	180	6020
			CD(D)	<0.005	ppm	MF	22-AUG-01	180	6020
			CL-	576.	ppm	JN	07-AUG-01	28	325.2
			CO3	<1.0	ppm	CaCO3	01-AUG-01	310.1	
			COND.	6480.	ppm	BD	29-JUL-01	28	120.1
			CR	<0.010	ppm	EH	20-AUG-01	180	6010
			CR(D)	<0.010	ppm	EH	06-AUG-01	180	6010
			CU	<0.025	ppm	MF	22-AUG-01	180	6020
			CU(D)	<0.025	ppm	MF	22-AUG-01	14	6020
			F-	1.1	ppm	EH	27-JUL-01	28	340.2
			FE	0.12	ppm	EH	20-AUG-01	180	6010
			FE(D)	<0.10	ppm	EH	06-AUG-01	180	6010
			HCO3	180.	ppm	CaCO3	01-AUG-01	14	310.1

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011038

LAP NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L011038-001	18-JUL-01	EPRI-0108-138	AS	0.12	ppm	MF	22-AUG-01	180	6020
			AS(D)	0.11	ppm	MF	22-AUG-01	180	6020
			CA	350.	ppm	EH	06-AUG-01	180	6010
			CD	<0.005	ppm	MF	22-AUG-01	180	6020
			CD(D)	<0.005	ppm	MF	22-AUG-01	180	6020
			CL-	580.	ppm	JN	07-AUG-01	28	325.2
			CO3	<1.0	ppm	DC	01-AUG-01	310.1	
			COND.	6400.	ppm	BD	29-JUL-01	28	120.1
			CR	<0.010	ppm	EH	20-AUG-01	180	6010
			CR(D)	<0.010	ppm	EH	06-AUG-01	180	6010
			CU	<0.025	ppm	MF	22-AUG-01	6020	
			CU(D)	<0.025	ppm	MF	22-AUG-01	14	6020
			F-	0.91	ppm	EH	27-JUL-01	28	340.2
			FE	<0.10	ppm	EH	20-AUG-01	180	6010
			FE(D)	<0.10	ppm	EH	06-AUG-01	180	6010
			HCO3	244.	ppm	DC	01-AUG-01	14	310.1
			K	17.	ppm	EH	06-AUG-01	180	6010
			MG	167.	ppm	EH	06-AUG-01	180	6010
			NA	1008.	ppm	EH	06-AUG-01	180	6010
			NO2/NO3	80.	ppm	JN	08-AUG-01	28	353.2
			PB	<0.003	ppm	MF	22-AUG-01	180	6020
			PB(D)	<0.003	ppm	MF	22-AUG-01	180	6020
			PH	8.0	pH	DC	01-AUG-01	150.1	
			SE	0.26	ppm	MF	20-AUG-01	180	6020
			SE(D)	0.24	ppm	MF	22-AUG-01	180	6020
			SO4=	2790.	ppm	JN	10-AUG-01	28	9036
			TDS	5350.	ppm	BD	23-JUL-01	7	160.1
			TSS	1.8	ppm	BD	23-JUL-01	160.2	
			ZN	0.020	ppm	MF	22-AUG-01	180	6020
			ZN(D)	<0.020	ppm	MF	22-AUG-01	180	6020
L011038-002	18-JUL-01	EPRI-0108-237	AS	0.12	ppm	MF	22-AUG-01	180	6020
			AS(D)	0.12	ppm	MF	22-AUG-01	180	6020
			CA	349.	ppm	EH	06-AUG-01	180	6010
			CD	<0.005	ppm	MF	22-AUG-01	180	6020
			CD(D)	<0.005	ppm	MF	22-AUG-01	180	6020
			CL-	489.	ppm	JN	07-AUG-01	28	325.2
			CO3	<1.0	ppm	DC	01-AUG-01	310.1	
			COND.	6410.	ppm	BD	29-JUL-01	28	120.1

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011038

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L011038-003	18-JUL-01	EPRI-0108-137	K	23.	ppm	EH	06-AUG-01	180	6010
			MG	151.	ppm	EH	06-AUG-01	180	6010
			NA	1119.	ppm	EH	06-AUG-01	180	6010
			NO2/NO3	72.	ppm	JN	08-AUG-01	28	353.2
			PB	<0.003	ppm	MF	22-AUG-01	180	6020
			PB(D)	<0.003	ppm	MF	22-AUG-01	180	6020
			PH	7.4	pH	DC	01-AUG-01		150.1
			SE	0.23	ppm	MF	22-AUG-01	180	6020
			SE(D)	0.23	ppm	MF	22-AUG-01	180	6020
			SO4=	2932.	ppm	JN	10-AUG-01	28	9036
			TDS	5216.	ppm	BD	23-JUL-01	7	160.1
			TSS	3.6	ppm	BD	23-JUL-01		160.2
			ZN	0.097	ppm	MF	22-AUG-01	180	6020
			ZN(D)	0.11	ppm	MF	22-AUG-01	180	6020
			AS	0.17	ppm	EH	20-AUG-01	180	6010
			AS(D)	0.094	ppm	EH	06-AUG-01	180	6010
			CA	352.	ppm	EH	06-AUG-01	180	6010
			CD	<0.005	ppm	MF	22-AUG-01	180	6020
			CD(D)	<0.005	ppm	MF	22-AUG-01	180	6020
			CL-	674.	ppm	JN	07-AUG-01	28	325.2
			CO3	<1.0	ppm	CaCO3	01-AUG-01		310.1
			COND.	11940.	ppm	BD	29-JUL-01	28	120.1
			CR	<0.010	ppm	EH	20-AUG-01	180	6010
			CR(D)	<0.010	ppm	EH	06-AUG-01	180	6010
			CU	0.035	ppm	MF	22-AUG-01		6020
L011038-004	18-JUL-01	EPRI-0108-139	CU(D)	0.041	ppm	MF	22-AUG-01	14	6020
			F-	1.3	ppm	EH	27-JUL-01	28	340.2
			FE	<0.10	ppm	EH	20-AUG-01	180	6010
			FE(D)	<0.10	ppm	EH	06-AUG-01	180	6010
			HCO3	330.	ppm	CaCO3	01-AUG-01	14	310.1
			K	21.	ppm	EH	06-AUG-01	180	6010
			MG	558.	ppm	EH	06-AUG-01	180	6010
			NA	2256.	ppm	EH	22-AUG-01	180	6010
			NO2/NO3	86.	ppm	JN	08-AUG-01	28	353.2
			PB	<0.003	ppm	MF	22-AUG-01	180	6020
			PB(D)	<0.003	ppm	MF	22-AUG-01	180	6020
			PH	7.9	pH	DC	01-AUG-01		150.1
			SE	15.	ppm	EH	20-AUG-01	180	6010

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011038

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L011038-004	18-JUL-01	EPRI-0108-139	SE(D)	16.	ppm	EH	06-AUG-01	180	6010
			SO4=	6639.	ppm	JN	10-AUG-01	28	9036
			TDS	11307.	ppm	BD	23-JUL-01	7	160.1
			TSS	1.3	ppm	BD	23-JUL-01		160.2
			ZN	0.074	ppm	MF	22-AUG-01	180	6020
			ZN(D)	0.078	ppm	MF	22-AUG-01	180	6020
			AS	1.1	ppm	MF	22-AUG-01	180	6020
			AS(D)	0.99	ppm	EH	06-AUG-01	180	6010
			CA	173.	ppm	EH	06-AUG-01	180	6010
			CD	<0.005	ppm	MF	22-AUG-01	180	6020
			CD(D)	<0.005	ppm	MF	22-AUG-01	180	6020
			CL-	389.	ppm	JN	07-AUG-01	28	325.2
			CO3	<1.0	ppm	DC	01-AUG-01		310.1
L011038-005	18-JUL-01	EPRI-0108-210	COND.	4140.	ppm	BD	29-JUL-01	28	120.1
			CR	<0.010	ppm	EH	20-AUG-01	180	6010
			CR(D)	<0.010	ppm	EH	06-AUG-01	180	6010
			CU	<0.025	ppm	MF	22-AUG-01		6020
			CU(D)	<0.025	ppm	MF	22-AUG-01	14	6020
			F-	1.5	ppm	EH	27-JUL-01	28	340.2
			FE	0.26	ppm	EH	20-AUG-01	180	6010
			FE(D)	<0.10	ppm	EH	06-AUG-01	180	6010
			HCO3	224.	ppm	DC	01-AUG-01	14	310.1
			K	11.	ppm	EH	06-AUG-01	180	6010
			MG	55.	ppm	EH	06-AUG-01	180	6010
			NA	615.	ppm	EH	06-AUG-01	180	6010
			NO2/NO3	29.	ppm	JN	08-AUG-01	28	353.2
			PB	0.006	ppm	MF	22-AUG-01	180	6020
			PB(D)	<0.003	ppm	MF	22-AUG-01	180	6020
			PH	7.7	PH	DC	01-AUG-01		150.1
			SE	0.11	ppm	MF	22-AUG-01	180	6020
			SE(D)	0.11	ppm	MF	22-AUG-01	180	6020
			SO4=	1581.	ppm	JN	10-AUG-01	28	9036
			TDS	3061.	ppm	BD	23-JUL-01	7	160.1
			TSS	3.6	ppm	BD	23-JUL-01		160.2
			ZN	0.040	ppm	MF	22-AUG-01	180	6020
			ZN(D)	0.032	ppm	MF	22-AUG-01	180	6020

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011038

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L011038-006	18-JUL-01	EPRI-0108-211	AS	0.024	ppm	MF	22-AUG-01	180	6020
			AS(D)	0.019	ppm	MF	22-AUG-01	180	6020
			CA	367.	ppm	EH	06-AUG-01	180	6010
			CD	<0.005	ppm	MF	22-AUG-01	180	6020
			CD(D)	<0.005	ppm	MF	22-AUG-01	180	6020
			CL-	3162.	ppm	JN	07-AUG-01	28	325.2
			CO3	<1.0	ppm	DC	01-AUG-01	310.1	
			COND.	9210.	ppm	CaCO3	29-JUL-01	28	120.1
			CR	<0.010	ppm	BD	20-AUG-01	180	6010
			CR(D)	<0.010	ppm	EH	06-AUG-01	180	6010
			CU	<0.025	ppm	MF	22-AUG-01	6020	
			CU(D)	<0.025	ppm	MF	22-AUG-01	14	6020
			F-	1.1	ppm	EH	27-JUL-01	28	340.2
			FE	<0.10	ppm	EH	20-AUG-01	180	6010
			FE(D)	<0.10	ppm	EH	06-AUG-01	180	6010
			HCO3	100.	ppm	DC	01-AUG-01	14	310.1
			K	28.	ppm	EH	06-AUG-01	180	6010
			MG	162.	ppm	EH	06-AUG-01	180	6010
			NA	1356.	ppm	EH	06-AUG-01	180	6010
			NO2/NO3	0.65	ppm	JN	08-AUG-01	28	353.2
			PB	<0.003	ppm	MF	22-AUG-01	180	6020
			PB(D)	<0.003	ppm	MF	22-AUG-01	180	6020
			PH	7.5	pH	DC	01-AUG-01	150.1	
			SE	<0.005	ppm	MF	22-AUG-01	180	6020
			SE(D)	<0.005	ppm	MF	22-AUG-01	180	6020
			SO4=	400.	ppm	JN	10-AUG-01	28	9036
			TDS	5925.	ppm	BD	23-JUL-01	7	160.1
			TSS	1.7	ppm	BD	23-JUL-01	160.2	
			ZN	0.045	ppm	MF	22-AUG-01	180	6020
			ZN(D)	0.039	ppm	MF	22-AUG-01	180	6020
L011038-007	18-JUL-01	EPRI-0108-106	AS	1.5	ppm	EH	20-AUG-01	180	6010
			AS(D)	1.5	ppm	MF	22-AUG-01	180	6020
			CA	395.	ppm	EH	06-AUG-01	180	6010
			CD	<0.005	ppm	MF	22-AUG-01	180	6020
			CD(D)	<0.005	ppm	MF	22-AUG-01	180	6020
			CL-	400.	ppm	JN	07-AUG-01	28	325.2
			CO3	<1.0	ppm	DC	01-AUG-01	310.1	
			COND.	5530.	ppm	CaCO3	29-JUL-01	28	120.1
						BD			

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011038

LAB NO.	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD	FAIS METHOD
L011038-007	18-JUL-01	EPRI-0108-106	CR	<0.010	ppm	EH	20-AUG-01	180	6010
			CR (D)	<0.010	ppm	EH	06-AUG-01	180	6010
			CU	<0.025	ppm	MF	22-AUG-01	180	6020
			CU (D)	<0.025	ppm	MF	22-AUG-01	14	6020
			F-	1.5	ppm	EH	27-JUL-01	28	340.2
			FE	0.39	ppm	EH	20-AUG-01	180	6010
			FE (D)	0.33	ppm	EH	06-AUG-01	180	6010
			HCO3	309.	ppm	DC	01-AUG-01	14	310.1
			K	57.	ppm	CaCO3	06-AUG-01	180	6010
			MG	101.	ppm	EH	06-AUG-01	180	6010
			NA	832.	ppm	EH	06-AUG-01	180	6010
			NO2/NO3	26.	ppm	JN	08-AUG-01	28	353.2
			PB	0.004	ppm	MF	22-AUG-01	180	6020
			PB (D)	0.003	ppm	MF	22-AUG-01	180	6020
			PH	7.8	pH	DC	01-AUG-01	180	150.1
			SE	0.33	ppm	MF	22-AUG-01	180	6020
			SE (D)	0.34	ppm	MF	22-AUG-01	180	6020
			SO4=	2600.	ppm	JN	10-AUG-01	28	9036
			TDS	4470.	ppm	BD	23-JUL-01	7	160.1
			TSS	1.4	ppm	BD	23-JUL-01	160.2	
			ZN	<0.020	ppm	MF	22-AUG-01	180	6020
			ZN (D)	<0.020	ppm	MF	22-AUG-01	180	6020
L011038-008	18-JUL-01	EPRI-0108-238	AS	<0.005	ppm	MF	22-AUG-01	180	6020
			AS (D)	<0.005	ppm	MF	22-AUG-01	180	6020
			CA	<1.0	ppm	EH	06-AUG-01	180	6010
			CD	<0.005	ppm	MF	22-AUG-01	180	6020
			CD (D)	<0.005	ppm	MF	22-AUG-01	180	6020
			CL-	1.4	ppm	JN	07-AUG-01	28	325.2
			CO3	<1.0	ppm	CaCO3	01-AUG-01	310.1	
			COND.	5.1	ppm	DC	29-JUL-01	28	120.1
			CR	<0.010	ppm	EH	20-AUG-01	180	6010
			CR (D)	<0.010	ppm	EH	06-AUG-01	180	6010
			CU	<0.025	ppm	MF	22-AUG-01	180	6020
			CU (D)	<0.025	ppm	MF	22-AUG-01	14	6020
			F-	<0.050	ppm	EH	27-JUL-01	28	340.2
			FE	<0.10	ppm	EH	20-AUG-01	180	6010
			FE (D)	<0.10	ppm	EH	06-AUG-01	180	6010
			HCO3	<1.0	ppm	CaCO3	01-AUG-01	14	310.1
					ppm	DC			
					ppm				

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011038

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L011038-008	18-JUL-01	EPRI-0108-238	K	<2.0	ppm	EH	06-AUG-01	180	6010
			MG	<1.0	ppm	EH	06-AUG-01	180	6010
			NA	<2.0	ppm	EH	06-AUG-01	180	6010
			NO2/NO3	<0.050	ppm	JN	08-AUG-01	28	353.2
			PB	0.003	ppm	MF	22-AUG-01	180	6020
			PB(D)	<0.003	ppm	MF	22-AUG-01	180	6020
			PH	5.7	pH	DC	01-AUG-01	150.1	
			SE	<0.005	ppm	MF	22-AUG-01	180	6020
			SE(D)	<0.005	ppm	MF	22-AUG-01	180	6020
			SO4=	<2.0	ppm	JN	10-AUG-01	28	9036
			TDS	<10.	ppm	BD	23-JUL-01	7	160.1
			TSS	<1.0	ppm	BD	23-JUL-01	160.2	
			ZN	<0.020	ppm	MF	22-AUG-01	180	6020
			ZN(D)	<0.020	ppm	MF	22-AUG-01	180	6020
			AS	28.	ppm	EH	20-AUG-01	180	6010
			AS(D)	30.	ppm	EH	06-AUG-01	180	6010
			CA	323.	ppm	EH	06-AUG-01	180	6010
			CD	0.52	ppm	MF	22-AUG-01	180	6020
			CD(D)	0.47	ppm	MF	22-AUG-01	180	6020
			CL-	720.	ppm	JN	07-AUG-01	28	325.2
			CO3	<1.0	ppm	DC	01-AUG-01	310.1	
			COND.	10000.	ppm	BD	29-JUL-01	28	120.1
			CR	<0.010	ppm	EH	20-AUG-01	180	6010
			CR(D)	<0.010	ppm	EH	06-AUG-01	180	6010
L011038-009	18-JUL-01	EPRI-0108-105	CU	0.026	ppm	MF	22-AUG-01	6020	
			CU(D)	0.028	ppm	MF	22-AUG-01	14	6020
			F-	1.3	ppm	MF	27-JUL-01	28	340.2
			FE	0.22	ppm	EH	20-AUG-01	180	6010
			FE(D)	<0.10	ppm	EH	06-AUG-01	180	6010
			HCO3	265.	ppm	DC	01-AUG-01	14	310.1
			K	70.	ppm	EH	06-AUG-01	180	6010
			MG	66.	ppm	EH	06-AUG-01	180	6010
			NA	2093.	ppm	EH	22-AUG-01	180	6010
			NO2/NO3	122.	ppm	JN	08-AUG-01	28	353.2
			PB	0.006	ppm	MF	22-AUG-01	180	6020
			PB(D)	<0.003	ppm	MF	22-AUG-01	180	6020
			PH	7.7	pH	DC	01-AUG-01	150.1	
			SE	4.6	ppm	MF	22-AUG-01	180	6020

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011038

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DATE METHOD
L011038-009	18-JUL-01	EPRI-0108-105	SE(D)	4.5	ppm	EH	06-AUG-01 180	6010
			SO4=	4051.	ppm	JN	10-AUG-01 28	9036
			TDS	8082.	ppm	BD	23-JUL-01 7	160.1
			TSS	4.4	ppm	BD	23-JUL-01	160.2
			ZN	0.045	ppm	MF	22-AUG-01 180	6020
			ZN(D)	0.041	ppm	MF	22-AUG-01 180	6020
			AS	5.2	ppm	EH	20-AUG-01 180	6010
			AS(D)	5.3	ppm	EH	06-AUG-01 180	6010
			CA	164.	ppm	EH	06-AUG-01 180	6010
			CD	1.6	ppm	MF	22-AUG-01 180	6020
L011038-010	18-JUL-01	EPRI-0108-165	CD(D)	1.5	ppm	MF	22-AUG-01 180	6020
			CL-	703.	ppm	JN	07-AUG-01 28	325.2
			CO3	<1.0	ppm CaCO3	DC	01-AUG-01	310.1
			COND.	6540.	ppm	BD	29-JUL-01 28	120.1
			CR	<0.010	ppm	EH	20-AUG-01 180	6010
			CR(D)	<0.010	ppm	EH	06-AUG-01 180	6010
			CU	0.029	ppm	MF	22-AUG-01	6020
			CU(D)	0.025	ppm	MF	22-AUG-01 14	6020
			F-	1.3	ppm	EH	27-JUL-01 28	340.2
			FE	0.95	ppm	EH	20-AUG-01 180	6010
			FE(D)	<0.10	ppm	EH	06-AUG-01 180	6010
			HCO3	94.	ppm CaCO3	DC	01-AUG-01 14	310.1
			K	51.	ppm	EH	06-AUG-01 180	6010
			MG	56.	ppm	EH	06-AUG-01 180	6010
			NA	1248.	ppm	EH	06-AUG-01 180	6010
			NO2/NO3	72.	ppm	JN	08-AUG-01 28	353.2
			PB	0.007	ppm	MF	22-AUG-01 180	6020
			PB(D)	<0.003	ppm	MF	22-AUG-01 180	6020
			PH	6.9	pH	DC	01-AUG-01	150.1
			SE	1.9	ppm	MF	22-AUG-01 180	6020
			SE(D)	1.7	ppm	EH	06-AUG-01 180	6010
			SO4=	2033.	ppm	JN	10-AUG-01 28	9036
			TDS	4805.	ppm	BD	23-JUL-01 7	160.1
			TSS	76.	ppm	BD	23-JUL-01	160.2
			ZN	0.32	ppm	MF	22-AUG-01 180	6020
			ZN(D)	0.28	ppm	MF	22-AUG-01 180	6020

ASARCO TECHNICAL SERVICES CENTER
ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011038

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L011038-011	18-JUL-01	EPRI-0108-166	AS	0.30	ppm	MF	22-AUG-01	180	6020
			AS (D)	0.30	ppm	EH	06-AUG-01	180	6010
			CA	110.	ppm	EH	06-AUG-01	180	6010
			CD	0.17	ppm	MF	22-AUG-01	180	6020
			CD (D)	0.13	ppm	MF	22-AUG-01	180	6020
			CL-	210.	ppm	JN	07-AUG-01	28	325.2
			CO3	<1.0	ppm	DC	01-AUG-01	28	310.1
			COND.	2630.	ppm	BD	29-JUL-01	28	120.1
			CR	<0.010	ppm	EH	20-AUG-01	180	6010
			CR (D)	<0.010	ppm	EH	06-AUG-01	180	6010
			CU	<0.025	ppm	MF	22-AUG-01	180	6020
			CU (D)	<0.025	ppm	MF	22-AUG-01	14	6020
			F-	1.3	ppm	EH	27-JUL-01	28	340.2
			FE	1.2	ppm	EH	20-AUG-01	180	6010
			FE (D)	<0.10	ppm	EH	06-AUG-01	180	6010
			HCO3	195.	ppm	DC	01-AUG-01	14	310.1
			K	112.	ppm	EH	06-AUG-01	180	6010
			MG	24.	ppm	EH	06-AUG-01	180	6010
			NA	350.	ppm	EH	06-AUG-01	180	6010
			NO2/NO3	10.	ppm	JN	08-AUG-01	28	353.2
			PB	0.010	ppm	MF	22-AUG-01	180	6020
			PB (D)	<0.003	ppm	MF	22-AUG-01	180	6020
			PH	7.2	PH	DC	01-AUG-01	180	6020
			SE	6.4	ppm	EH	20-AUG-01	180	6010
			SE (D)	6.8	ppm	EH	06-AUG-01	180	6010
			SO4=	811.	ppm	JN	10-AUG-01	28	9036
			TDS	1866.	ppm	BD	23-JUL-01	7	150.1
			TSS	26.	ppm	BD	23-JUL-01	150.2	160.2
			ZN	0.070	ppm	MF	22-AUG-01	180	6020
			ZN (D)	0.048	ppm	MF	22-AUG-01	180	6020
L011038-012	18-JUL-01	EPRI-0108-170	AS	0.049	ppm	MF	22-AUG-01	180	6020
			AS (D)	0.050	ppm	MF	22-AUG-01	180	6020
			CA	391.	ppm	EH	06-AUG-01	180	6010
			CD	0.070	ppm	MF	22-AUG-01	180	6020
			CD (D)	0.073	ppm	MF	22-AUG-01	180	6020
			CL-	931.	ppm	JN	07-AUG-01	28	325.2
			CO3	<1.0	ppm	DC	01-AUG-01	28	310.1
			COND.	6070.	ppm	BD	29-JUL-01	28	120.1

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011038

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L011038-012	18-JUL-01	EPRI-0108-170	CR	<0.010	ppm	EH	20-AUG-01	180	6010
			CR(D)	<0.010	ppm	EH	06-AUG-01	180	6010
			CU	<0.025	ppm	MF	22-AUG-01	14	6020
			CU(D)	<0.025	ppm	MF	22-AUG-01	14	6020
			P-	1.1	ppm	EH	27-JUL-01	28	340.2
			FE	<0.10	ppm	EH	20-AUG-01	180	6010
			FE(D)	<0.10	ppm	EH	06-AUG-01	180	6010
			HCO3	148.	ppm	DC	01-AUG-01	14	310.1
			K	17.	ppm	CaCO3	06-AUG-01	180	6010
			MG	174.	ppm	EH	06-AUG-01	180	6010
			NA	780.	ppm	EH	06-AUG-01	180	6010
			NO2/NO3	68.	ppm	JN	08-AUG-01	28	353.2
			PB	<0.003	ppm	MF	22-AUG-01	180	6020
			PB(D)	<0.003	ppm	MF	22-AUG-01	180	6020
			PH	7.8	pH	DC	01-AUG-01	150.1	
			SE	0.52	ppm	MF	22-AUG-01	180	6020
			SE(D)	0.53	ppm	MF	22-AUG-01	180	6020
			SO4=	1983.	ppm	JN	10-AUG-01	28	9036
			TDS	4825.	ppm	BD	23-JUL-01	7	160.1
			TSS	<1.0	ppm	BD	23-JUL-01	160.2	
			ZN	0.057	ppm	MF	22-AUG-01	180	6020
			ZN(D)	0.052	ppm	MF	22-AUG-01	180	6020
L011038-013	18-JUL-01	EPRI-0108-168	AS	0.095	ppm	MF	22-AUG-01	180	6020
			AS(D)	0.091	ppm	MF	22-AUG-01	180	6020
			CA	123.	ppm	EH	06-AUG-01	180	6010
			CD	0.013	ppm	MF	22-AUG-01	180	6020
			CD(D)	0.013	ppm	MF	22-AUG-01	180	6020
			CL-	584.	ppm	JN	07-AUG-01	28	325.2
			CO3	<1.0	ppm	CaCO3	01-AUG-01	310.1	
			COND.	4530.	ppm	DC	29-JUL-01	28	120.1
			CR	<0.010	ppm	BD	20-AUG-01	180	6010
			CR(D)	<0.010	ppm	EH	06-AUG-01	180	6010
			CU	<0.025	ppm	MF	22-AUG-01	14	6020
			CU(D)	<0.025	ppm	MF	22-AUG-01	14	6020
			F-	2.1	ppm	EH	27-JUL-01	28	340.2
			FE	0.36	ppm	EH	20-AUG-01	180	6010
			FE(D)	<0.10	ppm	EH	06-AUG-01	180	6010
			HCO3	322.	ppm	CaCO3	01-AUG-01	14	310.1

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011038

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L011038-013	18-JUL-01	EPRI-0108-168	K	20.	ppm	EH	06-AUG-01	180	6010
			MG	75.	ppm	EH	06-AUG-01	180	6010
			NA	826.	ppm	EH	06-AUG-01	180	6010
			NO2/NO3	11.	ppm	JN	08-AUG-01	28	353.2
			PB	0.006	ppm	MF	22-AUG-01	180	6020
			PB(D)	<0.003	ppm	MF	22-AUG-01	180	6020
			PH	8.1	pH	DC	01-AUG-01	180	6020
			SE	0.11	ppm	MF	22-AUG-01	180	6020
			SE(D)	0.11	ppm	MF	22-AUG-01	180	6020
			SO4=	1645.	ppm	JN	10-AUG-01	28	9036
			TDS	3258.	ppm	BD	23-JUL-01	7	160.1
			TSS	8.1	ppm	BD	23-JUL-01	7	160.2
			ZN	0.035	ppm	MF	22-AUG-01	180	6020
			ZN(D)	0.027	ppm	MF	22-AUG-01	180	6020
			AS	0.97	ppm	MF	22-AUG-01	180	6020
			AS(D)	0.94	ppm	MF	22-AUG-01	180	6020
			CA	165.	ppm	EH	06-AUG-01	180	6010
			CD	<0.005	ppm	MF	22-AUG-01	180	6020
			CD(D)	<0.005	ppm	MF	22-AUG-01	180	6020
			CL-	488.	ppm	JN	07-AUG-01	28	325.2
			CO3	<1.0	ppm	DC	01-AUG-01	28	310.1
			COND.	4080.	ppm	BD	29-JUL-01	28	120.1
			CR	<0.010	ppm	EH	20-AUG-01	180	6010
L011038-014	19-JUL-01	EPRI-0108-169	CR(D)	<0.010	ppm	EH	06-AUG-01	180	6010
			CU	<0.025	ppm	MF	22-AUG-01	180	6020
			CU(D)	0.026	ppm	MF	22-AUG-01	14	6020
			F-	2.5	ppm	EH	27-JUL-01	28	340.2
			FE	0.15	ppm	EH	20-AUG-01	180	6010
			FE(D)	<0.10	ppm	EH	06-AUG-01	180	6010
			HCO3	260.	ppm	DC	01-AUG-01	14	310.1
			K	18.	ppm	EH	06-AUG-01	180	6010
			MG	74.	ppm	EH	06-AUG-01	180	6010
			NA	656.	ppm	EH	06-AUG-01	180	6010
			NO2/NO3	8.5	ppm	JN	10-AUG-01	28	353.2
			PB	0.005	ppm	MF	22-AUG-01	180	6020
			PB(D)	<0.003	ppm	MF	22-AUG-01	180	6020
			PH	8.1	pH	DC	01-AUG-01	180	150.1
			SE	0.067	ppm	MF	22-AUG-01	180	6020

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011038

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD	METHOD
L011038-014	19-JUL-01	EPRI-0108-169	SE(D)	0.057	ppm	MF	22-AUG-01	180	6020
			SO4=	1390.	ppm	JN	10-AUG-01	28	9036
			TDS	2982.	ppm	BD	23-JUL-01	7	160.1
			TSS	3.9	ppm	BD	23-JUL-01		160.2
			ZN	0.067	ppm	MF	22-AUG-01	180	6020
			ZN(D)	0.057	ppm	MF	22-AUG-01	180	6020
			AS	0.15	ppm	MF	22-AUG-01	180	6020
			AS(D)	0.14	ppm	MF	22-AUG-01	180	6020
			CA	249.	ppm	EH	06-AUG-01	180	6010
			CD	0.011	ppm	MF	22-AUG-01	180	6020
L011038-015	19-JUL-01	EPRI-0108-156	CD(D)	0.010	ppm	MF	22-AUG-01	180	6020
			CL-	467.	ppm	JN	07-AUG-01	28	325.2
			CO3	<1.0	ppm	CaCO3	01-AUG-01		310.1
			COND.	5560.	ppm	BD	29-JUL-01	28	120.1
			CR	<0.010	ppm	EH	20-AUG-01	180	6010
			CR(D)	<0.010	ppm	EH	06-AUG-01	180	6010
			CU	<0.025	ppm	MF	22-AUG-01		6020
			CU(D)	<0.025	ppm	MF	22-AUG-01	14	6020
			F-	0.52	ppm	EH	27-JUL-01	28	340.2
			FE	6.2	ppm	EH	20-AUG-01	180	6010
			FE(D)	<0.10	ppm	EH	06-AUG-01	180	6010
			HCO3	313.	ppm	DC	01-AUG-01	14	310.1
			K	11.	ppm	CaCO3	06-AUG-01	180	6010
			MG	131.	ppm	EH	06-AUG-01	180	6010
			NA	938.	ppm	EH	06-AUG-01	180	6010
			NO2/NO3	25.	ppm	JN	10-AUG-01	28	353.2
			PB	0.014	ppm	MF	22-AUG-01	180	6020
			PB(D)	<0.003	ppm	MF	22-AUG-01	180	6020
			PH	7.8	pH	DC	01-AUG-01		150.1
			SE	1.1	ppm	MF	22-AUG-01	180	6020
			SE(D)	1.1	ppm	EH	06-AUG-01	180	6010
			SO4=	2340.	ppm	JN	10-AUG-01	28	9036
			TDS	4384.	ppm	BD	23-JUL-01	7	160.1
			TSS	103.	ppm	BD	23-JUL-01		160.2
			ZN	0.037	ppm	MF	22-AUG-01	180	6020
			ZN(D)	0.023	ppm	MF	22-AUG-01	180	6020

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011038

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L011038-016	19-JUL-01	EPRI-0108-239	AS	0.14	ppm	MF	22-AUG-01	180	6020
			AS(D)	0.14	ppm	MF	22-AUG-01	180	6020
			CA	257.	ppm	EH	06-AUG-01	180	6010
			CD	0.011	ppm	MF	22-AUG-01	180	6020
			CD(D)	0.010	ppm	MF	22-AUG-01	180	6020
			CL-	511.	ppm	JN	07-AUG-01	28	325.2
			CO3	<1.0	ppm	DC	01-AUG-01	310.1	
			COND.	5580.	ppm	BD	29-JUL-01	28	120.1
			CR	<0.010	ppm	EH	20-AUG-01	180	6010
			CR(D)	<0.010	ppm	EH	06-AUG-01	180	6010
			CU	<0.025	ppm	MF	22-AUG-01	180	6020
			CU(D)	<0.025	ppm	MF	22-AUG-01	14	6020
			F-	0.51	ppm	EH	27-JUL-01	28	340.2
			FE	5.7	ppm	EH	20-AUG-01	180	6010
			FE(D)	<0.10	ppm	EH	06-AUG-01	180	6010
			HCO3	314.	ppm	DC	01-AUG-01	14	310.1
			K	11.	ppm	EH	06-AUG-01	180	6010
			MG	135.	ppm	EH	06-AUG-01	180	6010
			NA	975.	ppm	EH	06-AUG-01	180	6010
			NO2/NO3	35.	ppm	JN	10-AUG-01	28	353.2
			PB	<0.003	ppm	MF	22-AUG-01	180	6020
			PB(D)	<0.003	ppm	MF	22-AUG-01	180	6020
			PH	7.9	PH	DC	01-AUG-01	150.1	
			SE	1.1	ppm	MF	22-AUG-01	180	6020
			SE(D)	1.1	ppm	EH	06-AUG-01	180	6010
			SO4=	2419.	ppm	JN	10-AUG-01	28	9036
			TDS	4398.	ppm	BD	23-JUL-01	7	160.1
			TSS	151.	ppm	BD	23-JUL-01	7	160.1
			ZN	0.035	ppm	MF	22-AUG-01	180	6020
			ZN(D)	0.023	ppm	MF	22-AUG-01	180	6020
L011038-017	19-JUL-01	EPRI-0108-167	AS	0.040	ppm	MF	22-AUG-01	180	6020
			AS(D)	0.044	ppm	MF	23-AUG-01	180	6020
			CA	72.	ppm	EH	06-AUG-01	180	6010
			CD	<0.005	ppm	MF	22-AUG-01	180	6020
			CD(D)	<0.005	ppm	MF	23-AUG-01	180	6020
			CL-	215.	ppm	JN	07-AUG-01	28	325.2
			CO3	<1.0	ppm	DC	01-AUG-01	310.1	
			COND.	1638.	ppm	BD	29-JUL-01	28	120.1

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011038

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L011038-017	19-JUL-01	EPRI-0108-167	CR	<0.010	ppm	EH	20-AUG-01	180	6010
			CR(D)	<0.010	ppm	MF	23-AUG-01	180	6020
			CU	<0.025	ppm	MF	22-AUG-01		6020
			CU(D)	<0.025	ppm	MF	23-AUG-01	14	6020
			F-	0.52	ppm	EH	27-JUL-01	28	340.2
			FE	<0.10	ppm	EH	20-AUG-01	180	6010
			FE(D)	<0.10	ppm	EH	06-AUG-01	180	6010
			HCO3	114.	ppm	DC	01-AUG-01	14	310.1
			K	4.8	ppm	EH	06-AUG-01	180	6010
			MG	23.	ppm	EH	06-AUG-01	180	6010
			NA	221.	ppm	EH	06-AUG-01	180	6010
			NO2/NO3	5.6	ppm	JN	10-AUG-01	28	353.2
			PB	<0.003	ppm	MF	22-AUG-01	180	6020
			PB(D)	<0.003	ppm	MF	23-AUG-01	180	6020
			PH	8.0	pH	DC	01-AUG-01		150.1
			SE	0.27	ppm	MF	22-AUG-01	180	6020
			SE(D)	0.27	ppm	MF	23-AUG-01	180	6020
			SO4=	442.	ppm	JN	10-AUG-01	28	9036
			TDS	1054.	ppm	BD	23-JUL-01	7	160.1
			TSS	<1.0	ppm	BD	23-JUL-01		160.2
			ZN	<0.020	ppm	MF	22-AUG-01	180	6020
			ZN(D)	<0.020	ppm	MF	23-AUG-01	180	6020
L011038-018	19-JUL-01	EPRI-0108-107	AS	0.013	ppm	MF	22-AUG-01	180	6020
			AS(D)	0.015	ppm	MF	23-AUG-01	180	6020
			CA	190.	ppm	EH	06-AUG-01	180	6010
			CD	<0.005	ppm	MF	22-AUG-01	180	6020
			CD(D)	0.005	ppm	MF	23-AUG-01	180	6020
			CL-	438.	ppm	JN	07-AUG-01	28	325.2
			CO3	<1.0	ppm	DC	01-AUG-01		310.1
			COND.	4520.	ppm	BD	29-JUL-01	28	120.1
			CR	<0.010	ppm	EH	20-AUG-01	180	6010
			CR(D)	<0.010	ppm	MF	23-AUG-01	180	6020
			CU	<0.025	ppm	MF	22-AUG-01		6020
			CU(D)	<0.025	ppm	MF	23-AUG-01	14	6020
			F-	0.95	ppm	EH	27-JUL-01	28	340.2
			FE	1.8	ppm	EH	20-AUG-01	180	6010
			FE(D)	<0.10	ppm	EH	06-AUG-01	180	6010
			HCO3	300.	ppm	DC	01-AUG-01	14	310.1

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011038

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L011038-018	19-JUL-01	EPRI-0108-107	K	12.	ppm	EH	06-AUG-01	180	6010
			MG	69.	ppm	EH	06-AUG-01	180	6010
			NA	791.	ppm	EH	06-AUG-01	180	6010
			NO2/NO3	28.	ppm	JN	10-AUG-01	28	353.2
			PB	<0.003	ppm	MF	22-AUG-01	180	6020
			PB(D)	<0.003	ppm	MF	23-AUG-01	180	6020
			PH	7.8	pH	DC	01-AUG-01	150.1	
			SE	0.20	ppm	MF	22-AUG-01	180	6020
			SE(D)	0.23	ppm	MF	23-AUG-01	180	6020
			SO4=	1576.	ppm	JN	10-AUG-01	28	9036
			TDS	3284.	ppm	BD	23-JUL-01	7	160.1
			TSS	65.	ppm	BD	23-JUL-01	160.2	
			ZN	0.026	ppm	MF	22-AUG-01	180	6020
			ZN(D)	0.022	ppm	MF	23-AUG-01	180	6020
			AS	5.5	ppm	EH	20-AUG-01	180	6010
			AS(D)	5.4	ppm	MF	22-AUG-01	180	6020
			CA	105.	ppm	EH	06-AUG-01	180	6010
			CD	0.005	ppm	MF	22-AUG-01	180	6020
			CD(D)	<0.005	ppm	MF	22-AUG-01	180	6020
			CL-	434.	ppm	JN	07-AUG-01	28	325.2
L011038-019	19-JUL-01	EPRI-0108-143	CO3	<1.0	ppm	CaCO3	01-AUG-01	310.1	
			COND.	3820.	ppm	BD	29-JUL-01	28	120.1
			CR	<0.010	ppm	EH	20-AUG-01	180	6010
			CR(D)	<0.010	ppm	EH	06-AUG-01	180	6010
			CU	<0.025	ppm	MF	22-AUG-01	180	6020
			CU(D)	<0.025	ppm	MF	22-AUG-01	14	6020
			F-	3.5	ppm	MF	22-AUG-01	14	6020
			FE	0.74	ppm	EH	27-JUL-01	28	340.2
			FE(D)	<0.10	ppm	EH	20-AUG-01	180	6010
			HCO3	289.	ppm	EH	06-AUG-01	180	6010
			K	19.	ppm	CaCO3	01-AUG-01	14	310.1
			MG	30.	ppm	EH	06-AUG-01	180	6010
			NA	732.	ppm	EH	06-AUG-01	180	6010
			NO2/NO3	0.69	ppm	EH	06-AUG-01	180	6010
			PB	0.004	ppm	JN	10-AUG-01	28	353.2
			PB(D)	<0.003	ppm	MF	22-AUG-01	180	6020
			PH	7.9	pH	MF	22-AUG-01	180	6020
			SE	0.018	ppm	DC	01-AUG-01	150.1	
			SE	0.018	ppm	MF	22-AUG-01	180	6020

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011038

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	ANALYSIS DATE	HOLD DATE
L011038-019	19-JUL-01	EPRI-0108-143	SE(D)	0.022	ppm	MF	22-AUG-01	180 6020
			SO4=	1214.	ppm	JN	10-AUG-01	28 9036
			TDS	2627.	ppm	BD	23-JUL-01	7 160.1
			TSS	32.	ppm	BD	23-JUL-01	160.2
			ZN	0.025	ppm	MF	22-AUG-01	180 6020
			ZN(D)	<0.020	ppm	MF	22-AUG-01	180 6020
			AS	1.5	ppm	EH	20-AUG-01	180 6010
			AS(D)	1.5	ppm	EH	06-AUG-01	180 6010
			CA	123.	ppm	EH	06-AUG-01	180 6010
			CD	0.006	ppm	MF	22-AUG-01	180 6020
			CD(D)	<0.005	ppm	MF	22-AUG-01	180 6020
			CL-	353.	ppm	JN	07-AUG-01	28 325.2
			CO3	<1.0	ppm CaCO3	DC	01-AUG-01	310.1
			COND.	3200.	ppm	BD	29-JUL-01	28 120.1
L011038-020	19-JUL-01	EPRI-0108-212	CR	<0.010	ppm	EH	20-AUG-01	180 6010
			CR(D)	<0.010	ppm	EH	06-AUG-01	180 6010
			CU	<0.025	ppm	MF	22-AUG-01	180 6020
			CU(D)	<0.025	ppm	MF	22-AUG-01	14 6020
			F-	4.1	ppm	EH	30-JUL-01	28 340.2
			FE	1.4	ppm	EH	20-AUG-01	180 6010
			FE(D)	1.2	ppm	EH	06-AUG-01	180 6010
			HCO3	117.	ppm	DC	01-AUG-01	14 310.1
			K	35.	ppm	EH	06-AUG-01	180 6010
			MG	30.	ppm	EH	06-AUG-01	180 6010
			NA	539.	ppm	EH	06-AUG-01	180 6010
			NO2/NO3	0.24	ppm	JN	10-AUG-01	28 353.2
			PB	0.005	ppm	MF	22-AUG-01	180 6020
			PB(D)	<0.003	ppm	MF	22-AUG-01	180 6020
			PH	7.9	pH	DC	01-AUG-01	180 150.1
			SE	0.007	ppm	MF	22-AUG-01	180 6020
			SE(D)	0.011	ppm	MF	22-AUG-01	180 6020
			SO4=	1335.	ppm	JN	10-AUG-01	28 9036
			TDS	2250.	ppm	BD	23-JUL-01	7 160.1
			TSS	4.4	ppm	BD	23-JUL-01	160.2
			ZN	0.075	ppm	MF	22-AUG-01	180 6020
			ZN(D)	0.061	ppm	MF	22-AUG-01	180 6020

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011038

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L011038-021	19-JUL-01	EPRI-0108-213	AS	0.042	ppm	MF	22-AUG-01	180	6020
			AS(D)	0.040	ppm	MF	22-AUG-01	180	6020
			CA	109.	ppm	EH	06-AUG-01	180	6010
			CD	<0.005	ppm	MF	22-AUG-01	180	6020
			CD(D)	<0.005	ppm	MF	22-AUG-01	180	6020
			CL-	474.	ppm	JN	07-AUG-01	28	325.2
			CO3	<1.0	ppm	DC	01-AUG-01	28	310.1
			COND.	4200.	ppm	BD	29-JUL-01	28	120.1
			CR	<0.010	ppm	EH	20-AUG-01	180	6010
			CR(D)	<0.010	ppm	EH	06-AUG-01	180	6010
			CU	<0.025	ppm	MF	22-AUG-01	180	6020
			CU(D)	<0.025	ppm	MF	22-AUG-01	14	6020
			F-	1.9	ppm	EH	30-JUL-01	28	340.2
			FE	<0.10	ppm	EH	20-AUG-01	180	6010
			FE(D)	<0.10	ppm	EH	06-AUG-01	180	6010
			HCO3	320.	ppm	DC	01-AUG-01	14	310.1
			K	12.	ppm	EH	06-AUG-01	180	6010
			MC	67.	ppm	EH	06-AUG-01	180	6010
			NA	767.	ppm	EH	06-AUG-01	180	6010
			NO2/NO3	7.5.	ppm	JN	10-AUG-01	28	353.2
			PB	0.004	ppm	MF	22-AUG-01	180	6020
			PB(D)	<0.003	ppm	MF	22-AUG-01	180	6020
			PH	8.42	pH	DC	01-AUG-01	150.1	
			SE	0.088	ppm	MF	22-AUG-01	180	6020
			SE(D)	0.088	ppm	MF	22-AUG-01	180	6020
			SO4=	1578.	ppm	JN	10-AUG-01	28	9036
			TDS	2943.	ppm	BD	23-JUL-01	7	160.1
			TSS	1.0	ppm	BD	23-JUL-01	160.2	
			ZN	0.032	ppm	MF	22-AUG-01	180	6020
			ZN(D)	0.039	ppm	MF	22-AUG-01	180	6020
L011038-022	16-JUL-01	EPRI-0108-179	AS	0.29	ppm	MF	22-AUG-01	180	6020
			AS(D)	0.29	ppm	MF	22-AUG-01	180	6020
			CA	530.	ppm	EH	06-AUG-01	180	6010
			CD	0.13	ppm	MF	22-AUG-01	180	6020
			CD(D)	0.13	ppm	MF	22-AUG-01	180	6020
			CL-	503.	ppm	JN	07-AUG-01	28	325.2
			CO3	<1.0	ppm	DC	01-AUG-01	28	310.1
			COND.	7660.	ppm	BD	29-JUL-01	28	120.1

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011038

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L011038-022	16-JUL-01	EPRI-0108-179	CR	<0.010	ppm	EH	20-AUG-01	180	6010
			CR(D)	<0.010	ppm	EH	06-AUG-01	180	6010
			CU	0.20	ppm	MF	22-AUG-01	6020	
			CU(D)	0.14	ppm	MF	22-AUG-01	14	6020
			F-	3.2	ppm	EH	30-JUL-01	28	340.2
			FE	0.65	ppm	EH	20-AUG-01	180	6010
			FE(D)	<0.10	ppm	EH	06-AUG-01	180	6010
			HCO3	688.	ppm	DC	01-AUG-01	14	310.1
			K	80.	ppm	EH	06-AUG-01	180	6010
			MG	189.	ppm	EH	06-AUG-01	180	6010
			NA	1227.	ppm	EH	06-AUG-01	180	6010
			NO2/NO3	20.	ppm	JN	10-AUG-01	28	353.2
			PB	0.077	ppm	MF	22-AUG-01	180	6020
			PB(D)	0.025	ppm	MF	22-AUG-01	180	6020
			PH	7.9	pH	DC	01-AUG-01	150.1	
			SE	0.11	ppm	MF	22-AUG-01	180	6020
			SE(D)	0.10	ppm	MF	22-AUG-01	180	6020
			SO4=	3762.	ppm	JN	10-AUG-01	28	9036
			TDS	6595.	ppm	BD	23-JUL-01	7	160.1
			TSS	35.	ppm	BD	23-JUL-01	160.2	
			ZN	0.45	ppm	MF	22-AUG-01	180	6020
			ZN(D)	0.39	ppm	MF	22-AUG-01	180	6020
L011038-023	19-JUL-01	EPRI-0108-154	AS	0.024	ppm	MF	22-AUG-01	180	6020
			AS(D)	0.025	ppm	MF	22-AUG-01	180	6020
			CA	74.	ppm	EH	06-AUG-01	180	6010
			CD	<0.005	ppm	MF	22-AUG-01	180	6020
			CD(D)	<0.005	ppm	MF	22-AUG-01	180	6020
			CL-	446.	ppm	JN	07-AUG-01	28	325.2
			CO3	<1.0	ppm	DC	01-AUG-01	310.1	
			COND.	4860.	ppm	BD	29-JUL-01	28	120.1
			CR	<0.010	ppm	EH	20-AUG-01	180	6010
			CR(D)	<0.010	ppm	EH	06-AUG-01	180	6010
			CU	<0.025	ppm	MF	22-AUG-01	6020	
			CU(D)	<0.025	ppm	MF	22-AUG-01	14	6020
			F-	1.9	ppm	EH	30-JUL-01	28	340.2
			FE	0.95	ppm	EH	20-AUG-01	180	6010
			FE(D)	<0.10	ppm	EH	06-AUG-01	180	6010
			HCO3	406.	ppm	DC	01-AUG-01	14	310.1
					ppm	CaCO3			

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011038

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L011038-023	19-JUL-01	EPRI-0108-154	K	6.6	ppm	EH	06-AUG-01	180	6010
			MG	53.	ppm	EH	06-AUG-01	180	6010
			NA	1000.	ppm	EH	06-AUG-01	180	6010
			NO2/NO3	5.3	ppm	JN	10-AUG-01	28	353.2
			PB	0.004	ppm	MF	22-AUG-01	180	6020
			PB(D)	<0.003	ppm	MF	22-AUG-01	180	6020
			PH	8.1	pH	DC	01-AUG-01	180	6020
			SE	0.087	ppm	MF	22-AUG-01	180	6020
			SE(D)	0.090	ppm	MF	22-AUG-01	180	6020
			SC4=	1604.	ppm	JN	10-AUG-01	28	9036
			TDS	3465.	ppm	BD	23-JUL-01	7	160.1
			TSS	30.	ppm	BD	23-JUL-01	7	160.1
			ZN	0.026	ppm	MF	22-AUG-01	180	6020
			ZN(D)	<0.020	ppm	MF	22-AUG-01	180	6020
			AS	0.042	ppm	MF	22-AUG-01	180	6020
			AS(D)	0.039	ppm	MF	22-AUG-01	180	6020
			CA	419.	ppm	EH	06-AUG-01	180	6010
			CD	0.006	ppm	MF	22-AUG-01	180	6020
			CD(D)	0.006	ppm	MF	22-AUG-01	180	6020
			CL-	519.	ppm	JN	07-AUG-01	28	325.2
			CO3	<1.0	ppm	DC	01-AUG-01	28	310.1
			COND.	6200.	ppm	BD	29-JUL-01	28	120.1
			CR	0.051	ppm	EH	20-AUG-01	180	6010
			CR(D)	0.057	ppm	EH	06-AUG-01	180	6010
L011038-024	19-JUL-01	EPRI-0108-190	CU	<0.025	ppm	MF	22-AUG-01	180	6020
			CU(D)	<0.025	ppm	MF	22-AUG-01	14	6020
			F-	1.1	ppm	EH	30-JUL-01	28	340.2
			FE	1.1	ppm	EH	20-AUG-01	180	6010
			FE(D)	<0.10	ppm	EH	06-AUG-01	180	6010
			HCO3	175.	ppm	DC	01-AUG-01	14	310.1
			K	29.	ppm	EH	06-AUG-01	180	6010
			MG	204.	ppm	EH	06-AUG-01	180	6010
			NA	822.	ppm	EH	06-AUG-01	180	6010
			NO2/NO3	35.	ppm	JN	10-AUG-01	28	353.2
			PB	0.004	ppm	MF	22-AUG-01	180	6020
			PB(D)	<0.003	ppm	MF	22-AUG-01	180	6020
			PH	7.6	pH	DC	01-AUG-01	180	150.1
			SE	1.3	ppm	MF	22-AUG-01	180	6020
			AS	0.042	ppm	MF	22-AUG-01	180	6020
			AS(D)	0.039	ppm	MF	22-AUG-01	180	6020
			CA	419.	ppm	EH	06-AUG-01	180	6010
			CD	0.006	ppm	MF	22-AUG-01	180	6020
			CD(D)	0.006	ppm	MF	22-AUG-01	180	6020
			CL-	519.	ppm	JN	07-AUG-01	28	325.2
			CO3	<1.0	ppm	DC	01-AUG-01	28	310.1
			COND.	6200.	ppm	BD	29-JUL-01	28	120.1
			CR	0.051	ppm	EH	20-AUG-01	180	6010
			CR(D)	0.057	ppm	EH	06-AUG-01	180	6010
			CU	<0.025	ppm	MF	22-AUG-01	180	6020
			CU(D)	<0.025	ppm	MF	22-AUG-01	14	6020
			F-	1.1	ppm	EH	30-JUL-01	28	340.2
			FE	1.1	ppm	EH	20-AUG-01	180	6010
			FE(D)	<0.10	ppm	EH	06-AUG-01	180	6010
			HCO3	175.	ppm	DC	01-AUG-01	14	310.1
			K	29.	ppm	EH	06-AUG-01	180	6010
			MG	204.	ppm	EH	06-AUG-01	180	6010
			NA	822.	ppm	EH	06-AUG-01	180	6010
			NO2/NO3	35.	ppm	JN	10-AUG-01	28	353.2
			PB	0.004	ppm	MF	22-AUG-01	180	6020
			PB(D)	<0.003	ppm	MF	22-AUG-01	180	6020
			PH	7.6	pH	DC	01-AUG-01	180	150.1
			SE	1.3	ppm	MF	22-AUG-01	180	6020

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011038

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L011038-024	19-JUL-01	EPRI-0108-190	SE(D)	1.2	ppm	EH	06-AUG-01	180	6010
			SO4=	3084.	ppm	JN	10-AUG-01	28	9036
			TDS	5323.	ppm	BD	23-JUL-01	7	160.1
			TSS	31.	ppm	BD	23-JUL-01	150.2	
			ZN	0.064	ppm	MF	22-AUG-01	180	6020
			ZN(D)	0.050	ppm	MF	22-AUG-01	180	6020
			AS	0.040	ppm	MF	22-AUG-01	180	6020
			AS(D)	0.026	ppm	MF	22-AUG-01	180	6020
			CA	420.	ppm	EH	06-AUG-01	180	6010
			CD	<0.005	ppm	MF	22-AUG-01	180	6020
			CD(D)	<0.005	ppm	MF	22-AUG-01	180	6020
			CL-	390.	ppm	JN	07-AUG-01	28	325.2
			CO3	<1.0	ppm	CaCO3	01-AUG-01	310.1	
			COND.	10120.	ppm	BD	29-JUL-01	28	120.1
			CR	0.087	ppm	EH	20-AUG-01	180	6010
			CR(D)	<0.010	ppm	EH	06-AUG-01	180	6010
L011038-025	19-JUL-01	EPRI-0108-189	CU	0.092	ppm	MF	22-AUG-01	6020	
			CU(D)	<0.025	ppm	MF	22-AUG-01	14	6020
			F-	3.5	ppm	EH	30-JUL-01	28	340.2
			FE	81.	ppm	EH	20-AUG-01	180	6010
			FE(D)	<0.10	ppm	EH	06-AUG-01	180	6010
			HCO3	2320.	ppm	DC	01-AUG-01	14	310.1
			K	60.	ppm	EH	06-AUG-01	180	6010
			MG	261.	ppm	CaCO3	06-AUG-01	180	6010
			NA	1976.	ppm	EH	22-AUG-01	180	6010
			NO2/NO3	9.5	ppm	JN	10-AUG-01	28	353.2
			PB	0.11	ppm	MF	22-AUG-01	180	6020
			PB(D)	<0.003	ppm	MF	22-AUG-01	180	6020
			PH	7.7	PH	DC	01-AUG-01	150.1	
			SE	0.20	ppm	MF	22-AUG-01	180	6020
			SE(D)	0.21	ppm	MF	22-AUG-01	180	6020
			SO4=	5195.	ppm	JN	10-AUG-01	28	9036
			TDS	9168.	ppm	BD	23-JUL-01	7	160.1
			TSS	5458.	ppm	BD	23-JUL-01	160.2	
			ZN	1.5	ppm	MF	22-AUG-01	180	6020
			ZN(D)	0.93	ppm	MF	22-AUG-01	180	6020

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011038

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE		HOLD
							ANALYZED	DAYS	
L011038-026	19-JUL-01	EPRI-0108-110	AS	3.9	ppm	EH	20-AUG-01	180	6010
			AS(D)	3.7	ppm	MF	22-AUG-01	180	6020
			CA	504.	ppm	EH	06-AUG-01	180	6010
			CD	0.007	ppm	MF	22-AUG-01	180	6020
			CD(D)	0.006	ppm	MF	22-AUG-01	180	6020
			CL-	660.	ppm	JN	07-AUG-01	28	325.2
			CO3	<1.0	ppm	DC	01-AUG-01	180	310.1
			COND.	11000.	ppm	BD	29-JUL-01	28	120.1
			CR	<0.010	ppm	EH	20-AUG-01	180	6010
			CR(D)	<0.010	ppm	EH	06-AUG-01	180	6010
			CU	0.074	ppm	MF	22-AUG-01	180	6010
			CU(D)	0.051	ppm	MF	22-AUG-01	180	6020
			F-	2.5	ppm	MF	22-AUG-01	14	6020
			FE	1.1	ppm	EH	30-JUL-01	28	340.2
			FE(D)	<0.10	ppm	EH	20-AUG-01	180	6010
			HCO3	501.	ppm	EH	06-AUG-01	180	6010
			K	143.	ppm	DC	01-AUG-01	14	310.1
			MG	262.	ppm	EH	06-AUG-01	180	6010
			NA	1951.	ppm	EH	06-AUG-01	180	6010
			NO2/NO3	99.	ppm	JN	10-AUG-01	28	353.2
			PB	0.045	ppm	MF	22-AUG-01	180	6020
			PB(D)	<0.003	ppm	MF	22-AUG-01	180	6020
			PH	7.5	PH	DC	01-AUG-01	150.1	
			SE	1.8	ppm	MF	22-AUG-01	180	6020
			SE(D)	1.6	ppm	EH	06-AUG-01	180	6010
			SO4=	5515.	ppm	JN	10-AUG-01	28	9036
			TDS	9683.	ppm	BD	23-JUL-01	7	160.1
			TSS	41.	ppm	BD	23-JUL-01	160.2	
			ZN	0.50	ppm	MF	22-AUG-01	180	6020
			ZN(D)	0.46	ppm	MF	22-AUG-01	180	6020
L011038-027	19-JUL-01	EPRI-0108-240	AS	<0.005	ppm	MF	22-AUG-01	180	6020
			AS(D)	<0.005	ppm	MF	22-AUG-01	180	6020
			CA	<1.0	ppm	EH	06-AUG-01	180	6010
			CD	<0.005	ppm	MF	22-AUG-01	180	6020
			CD(D)	<0.005	ppm	MF	22-AUG-01	180	6020
			CL-	<1.0	ppm	JN	07-AUG-01	28	325.2
			CO3	<1.0	ppm	DC	01-AUG-01	28	310.1
			COND.	<5.0	ppm	BD	29-JUL-01	28	120.1
					ppm				
					ppm				

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011038

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L011038-027	19-JUL-01	EPRI-0108-240	CR	<0.010	ppm	EH	20-AUG-01	180	6010
			CR(D)	<0.010	ppm	EH	06-AUG-01	180	6010
			CU	<0.025	ppm	MF	22-AUG-01		6020
			CU(D)	<0.025	ppm	MF	22-AUG-01	14	6020
			F-	<0.050	ppm	EH	30-JUL-01	28	340.2
			FE	<0.10	ppm	EH	20-AUG-01	180	6010
			FE(D)	<0.10	ppm	EH	06-AUG-01	180	6010
			HCO3	<1.0	ppm	DC	01-AUG-01	14	310.1
			K	<2.0	ppm	CaCO3	06-AUG-01	180	6010
			MG	<1.0	ppm	EH	06-AUG-01	180	6010
			NA	<2.0	ppm	EH	06-AUG-01	180	6010
			NO2/NO3	0.092	ppm	JN	10-AUG-01	28	353.2
			PB	<0.003	ppm	MF	22-AUG-01	180	6020
			PB(D)	<0.003	ppm	MF	22-AUG-01	180	6020
			PH	5.6	pH	DC	01-AUG-01		150.1
			SE	<0.005	ppm	MF	22-AUG-01	180	6020
			SE(D)	<0.005	ppm	MF	22-AUG-01	180	6020
			SO4=	<2.0	ppm	JN	10-AUG-01	28	9036
			TDS	<10.	ppm	BD	23-JUL-01	7	160.1
			TSS	<1.0	ppm	BD	23-JUL-01		160.2
			ZN	<0.020	ppm	MF	22-AUG-01	180	6020
			ZN(D)	<0.020	ppm	MF	22-AUG-01	180	6020

PH is a field parameter therefore holding time cannot be met by the laboratory
Digestion Methods for totals --- 3010 and 6020.

Approved

Reviewer

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: WG010837

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
WG010837-1		Matrix Spike	AS	98	\$Recovery	MF	22-AUG-01		6020
			AS (D)	101	\$Recovery	MF	22-AUG-01		6020
			CD	91	\$Recovery	MF	22-AUG-01		6020
			CD (D)	89	\$Recovery	MF	22-AUG-01		6020
			CL-	100	\$Recovery	JN	07-AUG-01		325.2
			CR	92	\$Recovery	EH	20-AUG-01		6010
			CR (D)	96	\$Recovery	EH	06-AUG-01		6010
			CU	91	\$Recovery	MF	22-AUG-01		6020
			CU (D)	91	\$Recovery	MF	22-AUG-01		6020
			F-	103	\$Recovery	EH	27-JUL-01		340.2
			FE	94	\$Recovery	EH	20-AUG-01		6010
			FE (D)	98	\$Recovery	EH	06-AUG-01		6010
			NO2/NO3	99	\$Recovery	JN	10-AUG-01		353.2
			PB	96	\$Recovery	MF	22-AUG-01		6020
			PB (D)	95	\$Recovery	MF	22-AUG-01		6020
			SE	101	\$Recovery	MF	22-AUG-01		6020
			SE (D)	98	\$Recovery	MF	22-AUG-01		6020
			SO4=	99	\$Recovery	JN	10-AUG-01		9036
			ZN	83	\$Recovery	MF	22-AUG-01		6020
			ZN (D)	94	\$Recovery	MF	22-AUG-01		6020
			AS	<0.005	ppm	MF	22-AUG-01		6020
			AS (D)	<0.005	ppm	MF	22-AUG-01		6020
			CA	<1.0	ppm	EH	06-AUG-01		6010
			CD	<0.005	ppm	MF	22-AUG-01		6020
			CD (D)	<0.005	ppm	MF	22-AUG-01		6020
			CL-	<1.0	ppm	JN	07-AUG-01		325.2
			CO3	<1.0	ppm	CaCO3	01-AUG-01		310.1
			COND.	<5.0	ppm	BD	29-JUL-01		120.1
WG010837-2		Prep Blank	CR	<0.010	ppm	EH	20-AUG-01		6010
			CR (D)	<0.010	ppm	EH	06-AUG-01		6010
			CU	<0.025	ppm	MF	22-AUG-01		6020
			CU (D)	<0.025	ppm	MF	22-AUG-01		6020
			F-	<0.050	ppm	MF	22-AUG-01		6020
			FE	<0.10	ppm	EH	27-JUL-01		340.2
			FE (D)	<0.10	ppm	EH	20-AUG-01		6010
			HCO3	<1.0	ppm	CaCO3	06-AUG-01		6010
			MG	<1.0	ppm	DC	01-AUG-01		310.1
			NA	<2.0	ppm	EH	06-AUG-01		6010
			AS	<0.005	ppm	MF	22-AUG-01		6020
			AS (D)	<0.005	ppm	MF	22-AUG-01		6020
			CA	<1.0	ppm	EH	06-AUG-01		6010
			CD	<0.005	ppm	MF	22-AUG-01		6020
			CD (D)	<0.005	ppm	MF	22-AUG-01		6020

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: WG010837

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DATE
WG010837-2		Prep Blank	NO2/NO3	<0.050	ppm	JN	08-AUG-01	353.2
			PB	<0.003	ppm	MF	22-AUG-01	6020
			PB(D)	<0.003	ppm	MF	22-AUG-01	6020
			SE	<0.005	ppm	MF	22-AUG-01	6020
			SE(D)	<0.005	ppm	MF	22-AUG-01	6020
			SO4=	<2.0	ppm	JN	10-AUG-01	9036
			TDS	<10.	ppm	BD	23-JUL-01	160.1
			TSS	<1.0	ppm	BD	23-JUL-01	160.2
			ZN	<0.020	ppm	MF	22-AUG-01	6020
			ZN(D)	<0.020	ppm	MF	22-AUG-01	6020
WG010837-3		Lab Control Sample	AS	103	\$Recovery	MF	22-AUG-01	6020
			AS(D)	106	\$Recovery	MF	22-AUG-01	6020
			CA	95	\$Recovery	EH	06-AUG-01	6010
			CD	105	\$Recovery	MF	22-AUG-01	6020
			CD(D)	101	\$Recovery	MF	22-AUG-01	6020
			CL=	100	\$Recovery	JN	07-AUG-01	325.2
			COND.	100	\$Recovery	BD	29-JUL-01	120.1
			CR	95	\$Recovery	EH	20-AUG-01	6010
			CR(D)	96	\$Recovery	EH	06-AUG-01	6010
			CU	103	\$Recovery	MF	22-AUG-01	6020
			CU(D)	97	\$Recovery	MF	22-AUG-01	6020
			F-	94	\$Recovery	EH	27-JUL-01	340.2
			FE	97	\$Recovery	EH	20-AUG-01	6010
			FE(D)	98	\$Recovery	EH	06-AUG-01	6010
			HCO3	99	\$Recovery	DC	01-AUG-01	310.1
			MG	96	\$Recovery	EH	06-AUG-01	6010
			NA	97	\$Recovery	EH	06-AUG-01	6010
			NO2/NO3	101	\$Recovery	JN	08-AUG-01	353.2
			PB	102	\$Recovery	MF	22-AUG-01	6020
			PB(D)	98	\$Recovery	MF	22-AUG-01	6020
			SE	120	\$Recovery	MF	22-AUG-01	6020
			SE(D)	111	\$Recovery	MF	22-AUG-01	6020
			SO4=	110	\$Recovery	JN	10-AUG-01	9036
			TDS	96	\$Recovery	BD	23-JUL-01	160.1
			TSS	95	\$Recovery	BD	23-JUL-01	160.2
			ZN	120	\$Recovery	MF	22-AUG-01	6020
			ZN(D)	104	\$Recovery	MF	22-AUG-01	6020

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: WG010837

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
WG010837-4		Duplicate	CL-	1.3	% RPD	JN	07-AUG-01		325.2
			CO3	<1	% RPD	DC	01-AUG-01		310.1
			COND.	<1	% RPD	BD	29-JUL-01		120.1
			F-	<1	% RPD	EH	27-JUL-01		340.2
			HCO3	<1	% RPD	DC	01-AUG-01		310.1
			NO2/NO3	2.2	% RPD	JN	08-AUG-01		353.2
			SO4=	<1	% RPD	JN	10-AUG-01		9036
			TDS	<1	% RPD	BD	23-JUL-01		160.1
			TSS	2.7	% RPD	BD	23-JUL-01		160.2
			AS	<1	% RPD	MF	22-AUG-01		6020
			AS (D)	<1	% RPD	MF	22-AUG-01		6020
			CA	1.7	% RPD	EH	06-AUG-01		6010
			CD	1.0	% RPD	MF	22-AUG-01		6020
			CD (D)	1.0	% RPD	MF	22-AUG-01		6020
WG010837-5		Matrix Spike Duplicate	CR	2.7	% RPD	EH	20-AUG-01		6010
			CR (D)	<1	% RPD	EH	06-AUG-01		6010
			CU	7.8	% RPD	MF	22-AUG-01		6020
			CU (D)	<1	% RPD	MF	22-AUG-01		6020
			FE	2.6	% RPD	EH	20-AUG-01		6010
			FE (D)	<1	% RPD	EH	06-AUG-01		6010
			MG	1.8	% RPD	EH	06-AUG-01		6010
			NA	<1	% RPD	EH	06-AUG-01		6010
			PB	9.9	% RPD	MF	22-AUG-01		6020
			PB (D)	<1	% RPD	MF	22-AUG-01		6020
			SE	9.3	% RPD	MF	22-AUG-01		6020
			SE (D)	<1	% RPD	MF	22-AUG-01		6020
			ZN	11	% RPD	MF	22-AUG-01		6020
			ZN (D)	<1	% RPD	MF	22-AUG-01		6020
WG010837-6		Reporting Limit	AS	0.005	ppm				6020
			AS (D)	0.005	ppm				6020
			CA	1.0	ppm				6010
			CD	0.005	ppm				6020
			CD (D)	0.005	ppm				6020
			CL-	1.0	ppm				325.2
			CO3	1.0	ppm CaCO3				310.1
			COND.	5.0	ppm				120.1
			CR	0.010	ppm				6010

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: WG010837

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
WG010837-6		Reporting Limit	CR (D)	0.010	ppm				6010
			CU	0.025	ppm				6020
			CU (D)	0.025	ppm				6020
			F-	0.050	ppm				340.2
			FE	0.10	ppm				6010
			FE (D)	0.10	ppm				6010
			HCO3	1.0	ppm	GACO3			310.1
			MG	1.0	ppm				6010
			NA	2.0	ppm				6010
			NO2/NO3	0.050	ppm				353.2
			PB	0.003	ppm				6020
			PB (D)	0.003	ppm				6020
			SE	0.005	ppm				6020
			SE (D)	0.005	ppm				9036
			SO4=	2.0	ppm				150.1
			TDS	1.0	ppm				150.2
			TSS	1.0	ppm				6020
			ZN	0.020	ppm				6020
			ZN (D)	0.020	ppm				6020
WG010837-7		Matrix Spike	AS	91	%Recovery	EH	20-AUG-01		6010
			AS (D)	100	%Recovery	EH	06-AUG-01		6010
			CD	95	%Recovery	MF	22-AUG-01		6020
			CD (D)	98	%Recovery	MF	22-AUG-01		6020
			CL-	104	%Recovery	JN	07-AUG-01		325.2
			CR	93	%Recovery	EH	20-AUG-01		6010
			CR (D)	94	%Recovery	EH	06-AUG-01		6010
			CU	97	%Recovery	MF	22-AUG-01		6020
			CU (D)	98	%Recovery	MF	22-AUG-01		6020
			F-	102	%Recovery	EH	30-JUL-01		340.2
			FE	94	%Recovery	EH	20-AUG-01		6010
			FE (D)	98	%Recovery	EH	06-AUG-01		6010
			NO2/NO3	100	%Recovery	JN	10-AUG-01		353.2
			PB	91	%Recovery	MF	22-AUG-01		6020
			PB (D)	94	%Recovery	MF	22-AUG-01		6020
			SE	86	%Recovery	EH	20-AUG-01		6010
			SE (D)	94	%Recovery	EH	06-AUG-01		6010
			SO4=	107	%Recovery	JN	10-AUG-01		9036
			ZN	97	%Recovery	MF	22-AUG-01		6020

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: WG010837

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
WG010837-7		Matrix Spike	ZN (D)	99	\$Recovery	MF	22-AUG-01		6020
WG010837-8		Prep Blank	AS	<0.020	ppm	EH	20-AUG-01		6010
			AS (D)	<0.020	ppm	EH	06-AUG-01		6010
			CA	<1.0	ppm	EH	06-AUG-01		6010
			CD	<0.005	ppm	MF	22-AUG-01		6020
			CD (D)	<0.005	ppm	MF	22-AUG-01		6020
			CL-	<1.0	ppm	JN	07-AUG-01		325.2
			CO3	<1.0	ppm	DC	01-AUG-01		310.1
			COND.	<5.0	ppm	BD	29-JUL-01		120.1
			CR	<0.010	ppm	EH	20-AUG-01		6010
			CR (D)	<0.010	ppm	EH	06-AUG-01		6010
			CU	<0.025	ppm	MF	22-AUG-01		6020
			CU (D)	<0.025	ppm	MF	22-AUG-01		6020
			F-	<0.050	ppm	EH	30-JUL-01		340.2
			FE	<0.10	ppm	EH	20-AUG-01		6010
			FE (D)	<0.10	ppm	EH	06-AUG-01		6010
			HCO3	<1.0	ppm	DC	01-AUG-01		310.1
			MG	<1.0	ppm	EH	06-AUG-01		6010
			NA	<2.0	ppm	EH	06-AUG-01		6010
			NO2/NO3	<0.050	ppm	JN	10-AUG-01		353.2
			PB	<0.003	ppm	MF	22-AUG-01		6020
			PB (D)	<0.003	ppm	MF	22-AUG-01		6020
			SE	<0.020	ppm	EH	20-AUG-01		6010
			SE (D)	<0.020	ppm	EH	06-AUG-01		6010
			SO4=	<2.0	ppm	JN	10-AUG-01		9036
			TDS	<10	ppm	BD	23-JUL-01		160.1
			TSS	<1.0	ppm	BD	23-JUL-01		160.2
			ZN	<0.020	ppm	MF	22-AUG-01		6020
			ZN (D)	<0.020	ppm	MF	22-AUG-01		6020
WG010837-9		Lab Control Sample	AS	95	\$Recovery	EH	20-AUG-01		6010
			AS (D)	99	\$Recovery	EH	06-AUG-01		6010
			CA	93	\$Recovery	EH	06-AUG-01		6010
			CD	106	\$Recovery	MF	22-AUG-01		6020
			CD (D)	100	\$Recovery	MF	22-AUG-01		6020
			CL-	97	\$Recovery	JN	07-AUG-01		325.2
			COND.	100	\$Recovery	BD	29-JUL-01		120.1
			CR	94	\$Recovery	EH	20-AUG-01		6010

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: WG010837

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
WG010837-9		Lab Control Sample	CR (D)	93	% Recovery	EH	06-AUG-01	6010	
			CU	100	% Recovery	MF	22-AUG-01	6020	
			CU (D)	99	% Recovery	ME	22-AUG-01	6020	
			F-	93	% Recovery	EH	30-JUL-01	340.2	
			FE	95	% Recovery	EH	20-AUG-01	6010	
			FE (D)	95	% Recovery	EH	06-AUG-01	6010	
			HCO3	96	% Recovery	DC	01-AUG-01	310.1	
			MG	93	% Recovery	EH	06-AUG-01	6010	
			NA	101	% Recovery	EH	06-AUG-01	6010	
			NO2/NO3	94	% Recovery	JN	10-AUG-01	353.2	
			PB	103	% Recovery	MF	22-AUG-01	6020	
			PB (D)	98	% Recovery	MF	22-AUG-01	6020	
			SE	92	% Recovery	EH	20-AUG-01	6010	
			SE (D)	98	% Recovery	EH	06-AUG-01	6010	
			SO4=	101	% Recovery	JN	10-AUG-01	9036	
			TDS	92	% Recovery	BD	23-JUL-01	160.1	
			TSS	89	% Recovery	BD	23-JUL-01	160.2	
			ZN	124	% Recovery	MF	22-AUG-01	6020	
			ZN (D)	110	% Recovery	MF	22-AUG-01	6020	
			CL-	<1	% RPD	JN	07-AUG-01	325.2	
WG010837-10		Duplicate	CO3	<1	% RPD	DC	01-AUG-01	310.1	
			COND.	<1	% RPD	BD	29-JUL-01	120.1	
			F-	<1	% RPD	EH	30-JUL-01	340.2	
			HCO3	<1	% RPD	DC	01-AUG-01	310.1	
			NO2/NO3	<1	% RPD	JN	10-AUG-01	353.2	
			SO4=	<1	% RPD	JN	10-AUG-01	9036	
			TDS	<1	% RPD	BD	23-JUL-01	160.1	
			TSS	9.0	% RPD	BD	23-JUL-01	160.2	
			AS	2.6	% RPD	EH	20-AUG-01	6010	
			AS (D)	<1	% RPD	EH	06-AUG-01	6010	
WG010837-11		Matrix Spike Duplicate	CA	2.5	% RPD	EH	06-AUG-01	6010	
			CD	<1	% RPD	MF	22-AUG-01	6020	
			CD (D)	1.2	% RPD	MF	22-AUG-01	6020	
			CR	<1	% RPD	EH	20-AUG-01	6010	
			CR (D)	1.3	% RPD	EH	06-AUG-01	6010	
			CU	<1	% RPD	MF	22-AUG-01	6020	
			CU (D)	1.1	% RPD	MF	22-AUG-01	6020	

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: WG010837

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
WG010837-11		Matrix Spike Duplicate							
			PE	1.6	% RPD	EH	20-AUG-01		6010
			PE (D)	<1	% RPD	EH	06-AUG-01		6010
			MG	1.5	% RPD	EH	06-AUG-01		6010
			NA	3.1	% RPD	EH	06-AUG-01		6010
			PB	<1	% RPD	MF	22-AUG-01		6020
			PB (D)	<1	% RPD	MF	22-AUG-01		6020
			SE	1.7	% RPD	EH	20-AUG-01		6010
			SE (D)	<1	% RPD	EH	06-AUG-01		6010
			ZN	1.3	% RPD	MF	22-AUG-01		6020
			ZN (D)	<1	% RPD	MF	22-AUG-01		6020

Approved

Reviewer

CHAIN OF CUSTODY RECORD

3275 W. Ina Rd., Ste. 205 • Tucson, AZ 85741 • (520) 544-3150 • FAX (520) 544-3190
P.O. Box 220182, El Paso, TX 79913 • (915) 532-3489 • FAX (915) 532-4897

PROJ. NO.		PROJECT NAME		NO. OF CONTAINERS	COMMONS UF/RAW	NUTRIENTS UF/H ₂ SO ₄	DISS. METAL F/HNO ₃	CN UF/NaOH	TOTAL METALS UF/HNO ₃	TOTAL RECOVERABLE METALS UF/HNO ₃	BTX	TPH	REMARK
DATE	TIME	COMP	GRAB										
124612		ASARCO - EL PASO											
SAMPLERS: (Signature) <i>Douglas M. Solar</i>													
7-18-91	815			4	X	X	X	X	X	X			
	820			4	X	X	X	X	X	X			
	845			4	X	X	X	X	X	X			
	910			4	X	X	X	X	X	X			
	940			4	X	X	X	X	X	X			
	1000			4	X	X	X	X	X	X			
	1045			4	X	X	X	X	X	X			
	1300			4	X	X	X	X	X	X			
	1330			4	X	X	X	X	X	X			
	1400			4	X	X	X	X	X	X			
	1430			4	X	X	X	X	X	X			
	1500			4	X	X	X	X	X	X			
	1530			4	X	X	X	X	X	X			
7-19-91	930			4	X	X	X	X	X	X			
	810			4	X	X	X	X	X	X			
Relinquished (Signature)		Date/Time		Received by: (Signature)		Lab		P.O. #		Shipped via: Bus, Fed Ex, UPS			
<i>[Signature]</i>		7/19/91 1600		<i>[Signature]</i>		TSC - 316, 417				Other			
Relinquished (Signature)		Date/Time		Received by: (Signature)		Remarks							
<i>[Signature]</i>				<i>[Signature]</i>									
Relinquished (Signature)		Date/Time		Received for Laboratory by: (Signature)		Date/Time		Enclosed: <input checked="" type="checkbox"/> Parameter sheet w/ detection limits		QA/QC standard mixing instructions <input checked="" type="checkbox"/> Cover letter			
<i>[Signature]</i>				<i>[Signature]</i>		7-20-91 1030							

HFC 1-4/95

Return results & electronic copy to:

Split Samples:
☐ Accepted ☐ Declined

Signature

CHAIN CUSTODY RECORD

3275 W. Ina Rd., Ste. 205 • Tucson, AZ 85741 • (520) 544-3150 • FAX (520) 544-3190
P.O. Box 220182, El Paso, TX 79913 • (915) 532-3489 • FAX (915) 532-4897

PROJ. NO.		PROJECT NAME		NO. OF CONTAINERS		ANALYSIS										REMARKS	
DATE	TIME	COMP.	GRAB	SAMPLE NUMBER	COMMONS UF/RAW	NUTRIENTS UF/H ₂ SO ₄	DISS. METAL F/HNO ₃	CN UF/NaOH	TOTAL METALS UF/HNO ₃	TOTAL RECOVERABLE METALS UF/HNO ₃	BTEX	TPH	REMARKS	SHIPPED VIA: BUS, FEDEX, UPS			
7-19-91	815			APR1-0108-239	X	X	X	X	X	X							
	845			APR1-0108-167	X	X	X	X	X	X							
	915			APR1-0108-107	X	X	X	X	X	X							
	1010			APR1-0108-143	X	X	X	X	X	X							
	1040			APR1-0108-212	X	X	X	X	X	X							
	1100			APR1-0108-213	X	X	X	X	X	X							
7-16-91	1445			APR1-0108-179	X	X	X	X	X	X							
7-19-91	1410			APR1-0108-154	X	X	X	X	X	X							
	1500			APR1-0108-190	X	X	X	X	X	X							
	1530			APR1-0108-189	X	X	X	X	X	X							
	1600			APR1-0108-110	X	X	X	X	X	X							
	1630			APR1-0108-240	X	X	X	X	X	X							

Relinquished (Signature) _____ Date/Time _____ Received by: (Signature) _____
Relinquished (Signature) _____ Date/Time _____ Received by: (Signature) _____
Relinquished (Signature) _____ Date/Time _____ Received for Laboratory by: (Signature) _____
Enclosed: ☒ Parameter sheet w/detection limits
☐ QA/QC standard mixing instructions ☒ Cover letter
☐ Other _____
Split Samples: ☐ Accepted ☐ Declined
Return results & electronic copy to: _____
Computer Disk at address of _____
Signature _____

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011066

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD
L011066-001	20-JUL-01	EPRI-0108-111	AS	0.96	ppm	BD	28-AUG-01	180 6020
			AS (D)	0.77	ppm	BD	28-AUG-01	180 6020
			CA	132.	ppm	EH	06-AUG-01	180 6010
			CD	<0.005	ppm	BD	28-AUG-01	180 6020
			CD (D)	<0.005	ppm	BD	28-AUG-01	180 6020
			CL-	553.	ppm	JN	16-AUG-01	28 325.2
			CO3	<1.0	ppm CaCO3	DC	01-AUG-01	310.1
			COND.	5580.	umhos/cm2	BD	29-JUL-01	28 120.1
			CR	<0.010	ppm	EH	28-AUG-01	180 6010
			CR (D)	<0.010	ppm	EH	06-AUG-01	180 6010
			CU	0.040	ppm	BD	28-AUG-01	6020
			CU (D)	<0.025	ppm	BD	28-AUG-01	14 6020
			F-	2.6	ppm	EH	30-JUL-01	28 340.2
			FE	1.2	ppm	EH	28-AUG-01	180 6010
			FE (D)	0.37	ppm	EH	06-AUG-01	180 6010
			HCO3	337.	ppm CaCO3	DC	01-AUG-01	14 310.1
			K	59.	ppm	EH	06-AUG-01	180 6010
			MG	77.	ppm	EH	06-AUG-01	180 6010
			NA	709.	ppm	EH	06-AUG-01	180 6010
			NO2/NO3	0.26	ppm	JN	10-AUG-01	28 353.2
			PB	0.020	ppm	BD	28-AUG-01	180 6020
			PB (D)	<0.003	ppm	BD	28-AUG-01	180 6020
			PH	7.9	pH	DC	01-AUG-01	150.1
			SE	0.018	ppm	BD	28-AUG-01	180 6020
			SE (D)	0.013	ppm	BD	28-AUG-01	180 6020
L011066-002	20-JUL-01	EPRI-0108-119	SO4=	2149.	ppm	JN	10-AUG-01	28 9036
			TDS	3411	ppm	BD	27-JUL-01	7 160.1
			TSS	58.	ppm	BD	27-JUL-01	160.2
			ZN	0.035	ppm	BD	28-AUG-01	180 6020
			ZN (D)	<0.020	ppm	BD	28-AUG-01	180 6020
			AS	0.29	ppm	BD	28-AUG-01	180 6020
			AS (D)	0.14	ppm	BD	28-AUG-01	180 6020
			CA	796.	ppm	EH	06-AUG-01	180 6010
			CD	0.041	ppm	BD	28-AUG-01	180 6020
			CD (D)	0.038	ppm	BD	28-AUG-01	180 6020
			CL-	3832.	ppm	JN	16-AUG-01	28 325.2
			CO3	<1.0	ppm CaCO3	DC	01-AUG-01	310.1
			COND.	13980.	umhos/cm2	BD	29-JUL-01	28 120.1

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011066

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DATE
L011066-002	20-JUL-01	EPRI-0108-119	CR	1.5	ppm	EH	22-AUG-01	180
			CR (D)	0.077	ppm	EH	06-AUG-01	180
			CU	0.17	ppm	BD	28-AUG-01	6020
			CU (D)	0.091	ppm	BD	28-AUG-01	14
			F-	0.84	ppm	EH	30-JUL-01	28
			FE	5.8	ppm	EH	22-AUG-01	340.2
			FE (D)	4.1	ppm	EH	22-AUG-01	180
			HCO3	140.	ppm	EH	06-AUG-01	6010
			K	50.	ppm	DC	01-AUG-01	14
			MG	587.	ppm	CaCO3	06-AUG-01	310.1
			NA	1509.	ppm	EH	06-AUG-01	180
			NO2/NO3	165.	ppm	EH	06-AUG-01	180
			PB	0.014	ppm	JN	17-AUG-01	28
			PB (D)	<0.003	ppm	BD	28-AUG-01	353.2
			PH	7.6	ppm	BD	28-AUG-01	180
			SE	0.19	pH	DC	01-AUG-01	6020
			SE (D)	0.18	ppm	BD	28-AUG-01	150.1
			SO4=	2244.	ppm	BD	28-AUG-01	6020
			TDS	19032.	ppm	JN	10-AUG-01	28
			TSS	24.	ppm	BD	27-JUL-01	9036
			ZN	0.56	ppm	BD	27-JUL-01	7
			ZN (D)	0.48	ppm	BD	27-JUL-01	160.1
					ppm	BD	28-AUG-01	160.2
					ppm	BD	28-AUG-01	6020
					ppm	BD	28-AUG-01	6020
L011066-003	20-JUL-01	EPRI-0108-164	AS	0.023	ppm	BD	28-AUG-01	180
			AS (D)	0.023	ppm	BD	28-AUG-01	6020
			CA	677.	ppm	BD	28-AUG-01	6020
			CD	0.015	ppm	EH	28-AUG-01	180
			CD (D)	0.015	ppm	BD	28-AUG-01	6020
			CL-	1750.	ppm	BD	28-AUG-01	6020
			CO3	<1.0	ppm	JN	16-AUG-01	325.2
			COND.	19610.	ppm	CaCO3	01-AUG-01	310.1
			CR	<0.010	umhos/cm2	DC	29-JUL-01	28
			CR (D)	<0.010	ppm	BD	22-AUG-01	120.1
			CU	<0.010	ppm	EH	22-AUG-01	180
			CU (D)	<0.025	ppm	EH	28-AUG-01	6010
			F-	<0.025	ppm	BD	28-AUG-01	6020
			FE	0.96	ppm	BD	28-AUG-01	14
			FE (D)	0.81	ppm	EH	30-JUL-01	28
			HCO3	<0.10	ppm	EH	22-AUG-01	340.2
				264.	ppm	EH	22-AUG-01	6010
					ppm	EH	28-AUG-01	180
					ppm	DC	01-AUG-01	6010
					ppm	CaCO3	01-AUG-01	310.1

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011066

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L011066-003	20-JUL-01	EPRI-0108-164	K	36.	ppm	EH	28-AUG-01	180	6010
			MG	364.	ppm	EH	28-AUG-01	180	6010
			NA	1379.	ppm	EH	28-AUG-01	180	6010
			NO2/NO3	265.	ppm	JN	17-AUG-01	28	353.2
			PB	0.003	ppm	BD	28-AUG-01	180	6020
			PB(D)	<0.003	ppm	BD	28-AUG-01	180	6020
			PH	7.6	pH	DC	01-AUG-01	150.1	
			SE	0.55	ppm	BD	28-AUG-01	180	6020
			SE(D)	0.54	ppm	BD	28-AUG-01	180	6020
			SO4=	2916.	ppm	JN	10-AUG-01	28	9036
			TDS	8575.	ppm	BD	27-JUL-01	7	160.1
			TSS	25.	ppm	BD	27-JUL-01	160.2	
			ZN	0.13	ppm	BD	28-AUG-01	180	6020
			ZN(D)	0.12	ppm	BD	28-AUG-01	180	6020
			AS	0.81	ppm	BD	28-AUG-01	180	6020
			AS(D)	0.22	ppm	BD	28-AUG-01	180	6020
			CA	477.	ppm	EH	28-AUG-01	180	6010
			CD	0.40	ppm	BD	28-AUG-01	180	6020
			CD(D)	0.40	ppm	BD	28-AUG-01	180	6020
			CL	1193.	ppm	JN	16-AUG-01	28	325.2
			CO3	<1.0	ppm CaCO3	DC	01-AUG-01	310.1	
			COND.	11920.	umhos/cm2	BD	29-JUL-01	28	120.1
			CR	0.072	ppm	EH	22-AUG-01	180	6010
L011066-004	20-JUL-01	EPRI-0108-120	CR(D)	<0.010	ppm	EH	28-AUG-01	180	6010
			CU	0.42	ppm	BD	28-AUG-01	180	6020
			CU(D)	0.30	ppm	BD	28-AUG-01	14	6020
			F	5.8	ppm	EH	30-JUL-01	28	340.2
			FE	4.0	ppm	EH	22-AUG-01	180	6010
			FE(D)	0.19	ppm	EH	28-AUG-01	180	6010
			HCO3	610.	ppm CaCO3	DC	01-AUG-01	14	310.1
			K	21.	ppm	EH	28-AUG-01	180	6010
			MG	292.	ppm	EH	28-AUG-01	180	6010
			NA	2207.	ppm	EH	29-AUG-01	180	6010
			NO2/NO3	121.	ppm	JN	17-AUG-01	28	353.2
			PB	0.68	ppm	BD	28-AUG-01	180	6020
			PB(D)	0.050	ppm	BD	28-AUG-01	180	6020
			PH	7.4	pH	DC	01-AUG-01	150.1	
			SE	0.17	ppm	BD	28-AUG-01	180	6020

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011066

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L011066-004	20-JUL-01	EPRI-0108-120	SE(D)	0.17	ppm	BD	28-AUG-01	180	6020
			SO4=	4690.	ppm	JN	10-AUG-01	28	9036
			TDS	10493.	ppm	BD	27-JUL-01	7	160.1
			TSS	13.	ppm	BD	27-JUL-01		160.2
			ZN	2.3	ppm	BD	28-AUG-01	180	6020
			ZN(D)	2.3	ppm	BD	28-AUG-01	180	6020
			AS	0.054	ppm	BD	28-AUG-01	180	6020
			AS(D)	0.041	ppm	BD	28-AUG-01	180	6020
			CA	218.	ppm	EH	28-AUG-01	180	6010
			CD	<0.005	ppm	BD	28-AUG-01	180	6020
L011066-005	20-JUL-01	EPRI-0108-140	CD(D)	<0.005	ppm	BD	28-AUG-01	180	6020
			CL-	428.	ppm	JN	16-AUG-01	28	325.2
			CO3	<1.0	ppm CaCO3	DC	01-AUG-01		310.1
			COND.	6100.	umhos/cm2	BD	29-JUL-01	28	120.1
			CR	<0.010	ppm	EH	22-AUG-01	180	6010
			CR(D)	<0.010	ppm	EH	28-AUG-01	180	6010
			CU	<0.025	ppm	BD	28-AUG-01		6020
			CU(D)	<0.025	ppm	BD	28-AUG-01	14	6020
			F-	2.7	ppm	EH	30-JUL-01	28	340.2
			FE	0.35	ppm	EH	22-AUG-01	180	6010
			FE(D)	<0.10	ppm	EH	28-AUG-01	180	6010
			HCO3	250.	ppm CaCO3	DC	01-AUG-01	14	310.1
			K	332.	ppm	EH	28-AUG-01	180	6010
			MG	101.	ppm	EH	28-AUG-01	180	6010
			NA	922.	ppm	EH	28-AUG-01	180	6010
			NO2/NO3	14.	ppm	JN	10-AUG-01	28	353.2
			PB	0.004	ppm	BD	28-AUG-01	180	6020
			PB(D)	<0.003	ppm	BD	28-AUG-01	180	6020
			PH	7.8	PH	DC	01-AUG-01		150.1
			SE	0.90	ppm	BD	28-AUG-01	180	6020
			SE(D)	0.89	ppm	BD	28-AUG-01	180	6020
			SO4=	2857.	ppm	JN	10-AUG-01	28	9036
			TDS	4759.	ppm	BD	27-JUL-01	7	160.1
			TSS	<1.0	ppm	BD	27-JUL-01		160.2
			ZN	0.034	ppm	BD	28-AUG-01	180	6020
			ZN(D)	0.031	ppm	BD	28-AUG-01	180	6020

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011066

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L011066-006	20-JUL-01	EPRI-0108-241	AS	0.055	ppm	BD	28-AUG-01	180	6020
			AS(D)	0.041	ppm	BD	28-AUG-01	180	6020
			CA	219.	ppm	EH	28-AUG-01	180	6010
			CD	<0.005	ppm	BD	28-AUG-01	180	6020
			CD(D)	<0.005	ppm	BD	28-AUG-01	180	6020
			CL-	426.	ppm	JN	16-AUG-01	28	325.2
			CO3	<1.0	ppm CaCO3	DC	01-AUG-01	310.1	
			COND.	6120.	umhos/cm2	BD	29-JUL-01	28	120.1
			CR	<0.010	ppm	EH	22-AUG-01	180	6010
			CR(D)	<0.010	ppm	EH	28-AUG-01	180	6010
			CU	<0.025	ppm	BD	28-AUG-01	180	6020
			CU(D)	<0.025	ppm	BD	28-AUG-01	14	6020
			F-	2.6	ppm	EH	30-JUL-01	28	340.2
			FE	0.32	ppm	EH	22-AUG-01	180	6010
			FE(D)	<0.10	ppm	EH	28-AUG-01	180	6010
			HCO3	243.	ppm CaCO3	DC	01-AUG-01	14	310.1
			K	331.	ppm	EH	28-AUG-01	180	6010
			MG	99.	ppm	EH	28-AUG-01	180	6010
			NA	913.	ppm	EH	28-AUG-01	180	6010
			NO2/NO3	16.	ppm	JN	10-AUG-01	28	353.2
			PB	0.004	ppm	BD	28-AUG-01	180	6020
			PB(D)	<0.003	ppm	BD	28-AUG-01	180	6020
			PH	8.0	pH	DC	01-AUG-01	150.1	
			SE	0.90	ppm	BD	28-AUG-01	180	6020
			SE(D)	0.89	ppm	BD	28-AUG-01	180	6020
			SO4=	2996.	ppm	JN	10-AUG-01	28	9036
			TDS	4708.	ppm	BD	27-JUL-01	7	160.1
			TSS	4.2	ppm	BD	27-JUL-01	160.2	
			ZN	0.035	ppm	BD	28-AUG-01	180	6020
			ZN(D)	0.031	ppm	BD	28-AUG-01	180	6020
L011066-007	20-JUL-01	EPRI-0108-141	AS	15.	ppm	EH	22-AUG-01	180	6010
			AS(D)	15.	ppm	EH	29-AUG-01	180	6010
			CA	401.	ppm	EH	28-AUG-01	180	6010
			CD	0.006	ppm	BD	28-AUG-01	180	6020
			CD(D)	0.006	ppm	BD	28-AUG-01	180	6020
			CL-	286.	ppm	JN	16-AUG-01	28	325.2
			CO3	<1.0	ppm CaCO3	DC	01-AUG-01	310.1	
			COND.	19140.	umhos/cm2	BD	29-JUL-01	28	120.1

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011066

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L011066-007	20-JUL-01	EPRI-0108-141	CR	<0.010	ppm	EH	22-AUG-01	180	6010
			CR (D)	<0.010	ppm	EH	28-AUG-01	180	6010
			CU	0.062	ppm	BD	28-AUG-01	14	6020
			CU (D)	0.066	ppm	BD	28-AUG-01	14	6020
			F-	1.8	ppm	EH	30-JUL-01	28	340.2
			FE	0.56	ppm	EH	22-AUG-01	180	6010
			FE (D)	<0.10	ppm	EH	28-AUG-01	180	6010
			HCO3	470.	ppm	DC	01-AUG-01	14	310.1
			K	848.	ppm	CaCO3	28-AUG-01	180	6010
			MG	389.	ppm	EH	28-AUG-01	180	6010
			NA	3849.	ppm	EH	29-AUG-01	180	6010
			NO2/NO3	259.	ppm	JN	17-AUG-01	28	353.2
			PB	0.016	ppm	BD	28-AUG-01	180	6020
			PB (D)	<0.003	ppm	BD	28-AUG-01	180	6020
			PH	7.4	pH	DC	01-AUG-01	150.1	
			SE	4.2.	ppm	BD	28-AUG-01	180	6020
			SE (D)	4.2	ppm	BD	28-AUG-01	180	6020
			SO4=	11157.	ppm	JN	10-AUG-01	28	9036
			TDS	18336.	ppm	BD	27-JUL-01	7	160.1
			TSS	29.	ppm	BD	27-JUL-01	160.2	
			ZN	0.086	ppm	BD	28-AUG-01	180	6020
			ZN (D)	0.077	ppm	BD	28-AUG-01	180	6020
L011066-008	20-JUL-01	EPRI-0108-142	AS	1.0	ppm	EH	22-AUG-01	180	6010
			AS (D)	1.1	ppm	EH	29-AUG-01	180	6010
			CA	161.	ppm	EH	28-AUG-01	180	6010
			CD	<0.005	ppm	BD	28-AUG-01	180	6020
			CD (D)	<0.005	ppm	BD	28-AUG-01	180	6020
			CL-	511.	ppm	JN	16-AUG-01	28	325.2
			CO3	<1.0	ppm	CaCO3	01-AUG-01	310.1	
			COND.	5140.	umhos/cm2	BD	29-JUL-01	28	120.1
			CR	<0.010	ppm	EH	22-AUG-01	180	6010
			CR (D)	<0.010	ppm	EH	28-AUG-01	180	6010
			CU	<0.025	ppm	BD	28-AUG-01	14	6020
			CU (D)	<0.025	ppm	BD	28-AUG-01	14	6020
			F-	2.0	ppm	EH	30-JUL-01	28	340.2
			FE	<0.10	ppm	EH	22-AUG-01	180	6010
			FE (D)	<0.10	ppm	EH	28-AUG-01	180	6010
			HCO3	402.	ppm	CaCO3	01-AUG-01	14	310.1

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011066

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DATE	TEST METHOD
L011066-008	20-JUL-01	EPRI-0108-142	K	96.	ppm	EH	28-AUG-01	180	6010
			MG	95.	ppm	EH	28-AUG-01	180	6010
			NA	852.	ppm	EH	28-AUG-01	180	6010
			NO2/NO3	5.8	ppm	JN	17-AUG-01	28	353.2
			PH	0.007	ppm	BD	28-AUG-01	180	6020
			PH(D)	0.003	ppm	BD	28-AUG-01	180	6020
			PH	8.1	pH	DC	01-AUG-01	150.1	
			SE	0.17	ppm	BD	28-AUG-01	180	6020
			SE(D)	0.17	ppm	BD	28-AUG-01	180	6020
			SO4=	1807.	ppm	JN	10-AUG-01	28	9036
			TDS	3698.	ppm	BD	27-JUL-01	7	160.1
			TSS	<1.0	ppm	BD	27-JUL-01	160.2	
			ZN	0.054	ppm	BD	28-AUG-01	180	6020
			ZN(D)	0.045	ppm	BD	28-AUG-01	180	6020
			AS	<0.005	ppm	BD	28-AUG-01	180	6020
			AS(D)	<0.005	ppm	BD	28-AUG-01	180	6020
			CA	<1.0	ppm	EH	06-AUG-01	180	6010
			CD	<0.005	ppm	BD	28-AUG-01	180	6020
			CD(D)	<0.005	ppm	BD	28-AUG-01	180	6020
			CL-	<1.0	ppm	JN	16-AUG-01	28	325.2
L011066-009	20-JUL-01	EPRI-0108-242	CO3	<1.0	ppm	DC	01-AUG-01	310.1	
			COND.	<5.0	umhos/cm2	BD	29-JUL-01	28	120.1
			CR	<0.010	ppm	EH	22-AUG-01	180	6010
			CR(D)	<0.010	ppm	EH	06-AUG-01	180	6010
			CU	<0.025	ppm	BD	28-AUG-01	180	6020
			CU(D)	<0.025	ppm	BD	28-AUG-01	14	6020
			F-	<0.050	ppm	EH	30-JUL-01	28	340.2
			FE	<0.10	ppm	EH	22-AUG-01	180	6010
			FE(D)	<0.10	ppm	EH	06-AUG-01	180	6010
			HCO3	<1.0	ppm	DC	01-AUG-01	14	310.1
			K	<2.0	ppm	EH	06-AUG-01	180	6010
			MG	<1.0	ppm	EH	06-AUG-01	180	6010
			NA	<2.0	ppm	EH	06-AUG-01	180	6010
			NO2/NO3	<0.10	ppm	JN	10-AUG-01	28	353.2
			PH	<0.003	ppm	BD	28-AUG-01	180	6020
			PH(D)	<0.003	ppm	BD	28-AUG-01	180	6020
			PH	5.6	pH	DC	01-AUG-01	150.1	
			SE	<0.005	ppm	BD	28-AUG-01	180	6020

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011066

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L011066-009	20-JUL-01	EPRI-0108-242	SE(D)	<0.005	ppm	BD	28-AUG-01	180	6020
			SO4=	<2.0	ppm	JN	10-AUG-01	28	9036
			TDS	<10.	ppm	BD	27-JUL-01	7	160.1
			TSS	<1.0	ppm	BD	27-JUL-01	160.2	
			ZN	<0.020	ppm	BD	28-AUG-01	180	6020
			ZN(D)	<0.020	ppm	BD	28-AUG-01	180	6020
			AS	0.017	ppm	BD	28-AUG-01	180	6020
			AS(D)	0.017	ppm	BD	28-AUG-01	180	6020
			CA	36.	ppm	EH	06-AUG-01	180	6010
			CD	<0.005	ppm	BD	28-AUG-01	180	6020
L011066-010	24-JUL-01	EPRI-0108-159	CD(D)	<0.005	ppm	BD	28-AUG-01	180	6020
			CL-	395.	ppm	JN	16-AUG-01	28	325.2
			CO3	<1.0	ppm CaCO3	DC	01-AUG-01	310.1	
			COND.	3280.	umhos/cm2	BD	29-JUL-01	28	120.1
			CR	<0.010	ppm	EH	22-AUG-01	180	6010
			CR(D)	<0.010	ppm	EH	06-AUG-01	180	6010
			CU	<0.025	ppm	BD	28-AUG-01	14	6020
			CU(D)	<0.025	ppm	BD	28-AUG-01	14	6020
			F-	3.7	ppm	EH	30-JUL-01	28	340.2
			FE	<0.10	ppm	EH	22-AUG-01	180	6010
			FE(D)	<0.10	ppm	EH	06-AUG-01	180	6010
			HCO3	290.	ppm CaCO3	DC	01-AUG-01	14	310.1
			K	4.8	ppm	EH	06-AUG-01	180	6010
			MG	61.	ppm	EH	06-AUG-01	180	6010
			NA	610.	ppm	EH	06-AUG-01	180	6010
			NO2/NO3	8.6	ppm	JN	10-AUG-01	28	353.2
			PB	<0.003	ppm	BD	28-AUG-01	180	6020
			PB(D)	<0.003	ppm	BD	28-AUG-01	180	6020
			PH	8.2	pH	DC	01-AUG-01	150.1	
			SE	0.030	ppm	BD	28-AUG-01	180	6020
			SE(D)	0.029	ppm	BD	28-AUG-01	180	6020
			SO4=	853.	ppm	JN	10-AUG-01	28	9036
			TDS	2185.	ppm	BD	27-JUL-01	7	160.1
			TSS	<1.0	ppm	BD	27-JUL-01	160.2	
			ZN	<0.020	ppm	BD	28-AUG-01	180	6020
			ZN(D)	<0.020	ppm	BD	28-AUG-01	180	6020

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011066

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L011066-011	24-JUL-01	EPRI-0108-243	AS	0.018	ppm	BD	28-AUG-01	180	6020
			AS(D)	0.017	ppm	BD	28-AUG-01	180	6020
			CA	37.	ppm	EH	06-AUG-01	180	6010
			CD	<0.005	ppm	BD	28-AUG-01	180	6020
			CD(D)	<0.005	ppm	BD	28-AUG-01	180	6020
			CL-	301.	ppm	JN	16-AUG-01	28	325.2
			CO3	<1.0	ppm CaCO3	DC	01-AUG-01	310.1	
			COND.	3280.	umhos/cm2	BD	29-JUL-01	28	120.1
			CR	<0.010	ppm	EH	22-AUG-01	180	6010
			CR(D)	<0.010	ppm	EH	06-AUG-01	180	6010
			CU	<0.025	ppm	BD	28-AUG-01	180	6020
			CU(D)	<0.025	ppm	BD	28-AUG-01	14	6020
			F-	3.6	ppm	EH	30-JUL-01	28	340.2
			FE	<0.10	ppm	EH	22-AUG-01	180	6010
			FE(D)	<0.10	ppm	EH	06-AUG-01	180	6010
			HCO3	292.	ppm	DC	01-AUG-01	14	310.1
			K	5.4	ppm	EH	06-AUG-01	180	6010
			MG	60.	ppm	EH	06-AUG-01	180	6010
			NA	615.	ppm	EH	06-AUG-01	180	6010
			NO2/NO3	8.0	ppm	JN	10-AUG-01	28	353.2
			PB	0.004	ppm	BD	28-AUG-01	180	6020
			PB(D)	<0.003	ppm	BD	28-AUG-01	180	6020
			PH	8.2	pH	DC	01-AUG-01	150.1	
			SE	0.030	ppm	BD	28-AUG-01	180	6020
			SE(D)	0.029	ppm	BD	28-AUG-01	180	6020
			SO4=	930.	ppm	JN	10-AUG-01	28	9036
			TDS	2159.	ppm	BD	27-JUL-01	7	160.1
			TSS	<1.0	ppm	BD	27-JUL-01	160.2	
			ZN	<0.020	ppm	BD	28-AUG-01	180	6020
			ZN(D)	<0.020	ppm	BD	28-AUG-01	180	6020
L011066-012	24-JUL-01	EPRI-0108-158	AS	0.015	ppm	BD	28-AUG-01	180	6020
			AS(D)	0.015	ppm	BD	28-AUG-01	180	6020
			CA	102.	ppm	EH	06-AUG-01	180	6010
			CD	<0.005	ppm	BD	28-AUG-01	180	6020
			CD(D)	<0.005	ppm	BD	28-AUG-01	180	6020
			CL-	647.	ppm	JN	16-AUG-01	28	325.2
			CO3	<1.0	ppm CaCO3	DC	01-AUG-01	310.1	
			COND.	4820.	umhos/cm2	BD	29-JUL-01	28	120.1

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011066

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L011066-012	24-JUL-01	EPRI-0108-158	CR	<0.010	ppm	EH	22-AUG-01	180	6010
			CR (D)	<0.010	ppm	EH	06-AUG-01	180	6010
			CU	<0.025	ppm	BD	28-AUG-01		6020
			CU (D)	<0.025	ppm	BD	28-AUG-01	14	6020
			F-	1.2	ppm	EH	30-JUL-01	28	340.2
			FE	0.20	ppm	EH	22-AUG-01	180	6010
			FE (D)	<0.10	ppm	EH	06-AUG-01	180	6010
			HCO3	343.	ppm CaCO3	DC	01-AUG-01	14	310.1
			K	16.	ppm	EH	06-AUG-01	180	6010
			MG	103.	ppm	EH	06-AUG-01	180	6010
			NA	870.	ppm	EH	06-AUG-01	180	6010
			NO2/NO3	13.	ppm	JN	10-AUG-01	28	353.2
			PB	<0.003	ppm	BD	28-AUG-01	180	6020
			PB (D)	<0.003	ppm	BD	28-AUG-01	180	6020
			PH	8.1	pH	DC	01-AUG-01		150.1
			SE	0.030	ppm	BD	28-AUG-01	180	6020
			SE (D)	0.029	ppm	BD	28-AUG-01	180	6020
			SO4-	1674.	ppm	JN	10-AUG-01	28	9036
			TDS	3431.	ppm	BD	27-JUL-01	7	160.1
			TSS	<1.0	ppm	BD	27-JUL-01		160.2
			ZN	0.026	ppm	BD	28-AUG-01	180	6020
			ZN (D)	0.021	ppm	BD	28-AUG-01	180	6020
L011066-013	24-JUL-01	EPRI-0108-149	AS	0.014	ppm	BD	28-AUG-01	180	6020
			AS (D)	0.014	ppm	BD	28-AUG-01	180	6020
			CA	63.	ppm	EH	06-AUG-01	180	6010
			CD	<0.005	ppm	BD	28-AUG-01	180	6020
			CD (D)	<0.005	ppm	BD	28-AUG-01	180	6020
			CL-	374.	ppm	JN	16-AUG-01	28	325.2
			CO3	<1.0	ppm CaCO3	DC	01-AUG-01		310.1
			COND.	3760.	umhos/cm2	BD	29-JUL-01	28	120.1
			CR	<0.010	ppm	EH	22-AUG-01	180	6010
			CR (D)	<0.010	ppm	EH	06-AUG-01	180	6010
			CU	<0.025	ppm	BD	28-AUG-01		6020
			CU (D)	<0.025	ppm	BD	28-AUG-01	14	6020
			F-	3.0	ppm	EH	30-JUL-01	28	340.2
			FE	0.25	ppm	EH	22-AUG-01	180	6010
			FE (D)	<0.10	ppm	EH	06-AUG-01	180	6010
			HCO3	299.	ppm CaCO3	DC	01-AUG-01	14	310.1

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011066

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE		HOLD
							ANALYZED	REVIS	
L011066-013	24-JUL-01	EPRI-0108-149	K	10.	ppm	EH	06-AUG-01	180	6010
			MG	58.	ppm	EH	06-AUG-01	180	6010
			NA	722.	ppm	EH	06-AUG-01	180	6010
			NO2/NO3	9.3	ppm	JN	10-AUG-01	28	353.2
			PH	0.012	ppm	BD	28-AUG-01	180	6020
			PH (D)	<0.003	ppm	BD	28-AUG-01	180	6020
			PH	8.2	pH	DC	01-AUG-01	150.1	
			SE	0.041	ppm	BD	28-AUG-01	180	6020
			SE (D)	0.040	ppm	BD	28-AUG-01	180	6020
			SO4=	1323.	ppm	JN	10-AUG-01	28	9036
			TDS	2560.	ppm	BD	27-JUL-01	7	160.1
			TSS	7.3	ppm	BD	27-JUL-01	160.2	
			ZN	<0.020	ppm	BD	28-AUG-01	180	6020
			ZN (D)	<0.020	ppm	BD	28-AUG-01	180	6020
			AS	0.037	ppm	BD	28-AUG-01	180	6020
			AS (D)	0.037	ppm	BD	28-AUG-01	180	6020
			CA	81.	ppm	EH	06-AUG-01	180	6010
			CD	<0.005	ppm	BD	28-AUG-01	180	6020
			CD (D)	<0.005	ppm	BD	28-AUG-01	180	6020
			CL-	584.	ppm	JN	16-AUG-01	28	325.2
L011066-014	24-JUL-01	EPRI-0108-162	CO3	<1.0	ppm CaCO3	DC	01-AUG-01	310.1	
			COND.	6210.	units/cm2	BD	29-JUL-01	28	120.1
			CR	<0.010	ppm	EH	22-AUG-01	180	6010
			CR (D)	<0.010	ppm	EH	06-AUG-01	180	6010
			CU	<0.025	ppm	BD	28-AUG-01	180	6020
			CU (D)	<0.025	ppm	BD	28-AUG-01	14	6020
			F-	2.7	ppm	EH	30-JUL-01	28	340.2
			FE	<0.10	ppm	EH	22-AUG-01	180	6010
			FE (D)	<0.10	ppm	EH	06-AUG-01	180	6010
			HCO3	341.	ppm CaCO3	DC	01-AUG-01	14	310.1
			K	96.	ppm	EH	06-AUG-01	180	6010
			MG	77.	ppm	EH	06-AUG-01	180	6010
			NA	1255.	ppm	EH	06-AUG-01	180	6010
			NO2/NO3	12.	ppm	JN	10-AUG-01	28	353.2
			PH	0.006	ppm	BD	28-AUG-01	180	6020
			PH (D)	<0.003	ppm	BD	28-AUG-01	180	6020
			PH	8.1	pH	DC	01-AUG-01	150.1	
			SE	0.50	ppm	BD	28-AUG-01	180	6020

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011066

LAB NO.	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L011066-014	24-JUL-01	EPRI-0108-162	SE(D)	0.50	ppm	BD	28-AUG-01	180	6020
			SO4=	2380.	ppm	JN	10-AUG-01	28	9036
			TDS	4539.	ppm	BD	27-JUL-01	7	160.1
			TSS	2.0	ppm	BD	27-JUL-01		160.2
			ZN	0.023	ppm	BD	28-AUG-01	180	6020
			ZN(D)	0.023	ppm	BD	28-AUG-01	180	6020
			AS	0.15	ppm	BD	28-AUG-01	180	6020
			AS(D)	0.14	ppm	BD	28-AUG-01	180	6020
			CA	154.	ppm	EH	06-AUG-01	180	6010
			CD	0.012	ppm	BD	28-AUG-01	180	6020
			CD(D)	0.011	ppm	BD	28-AUG-01	180	6020
			CL-	548.	ppm	JN	16-AUG-01	28	325.2
L011066-015	24-JUL-01	EPRI-0108-161	CO3	<1.0	ppm CaCO3	DC	01-AUG-01		310.1
			COND.	5440.	umhos/cm2	BD	29-JUL-01	28	120.1
			CR	<0.010	ppm	EH	22-AUG-01	180	6010
			CR(D)	<0.010	ppm	EH	06-AUG-01	180	6010
			CU	0.32	ppm	BD	28-AUG-01	180	6020
			CU(D)	0.29	ppm	BD	28-AUG-01	180	6020
			F-	1.7	ppm	BD	28-AUG-01	14	6020
			FE	0.51	ppm	EH	30-JUL-01	28	340.2
			FE(D)	<0.10	ppm	EH	22-AUG-01	180	6010
			HCO3	410.	ppm	EH	06-AUG-01	180	6010
			K	10.	ppm	DC	01-AUG-01	14	310.1
			MG	109.	ppm	EH	06-AUG-01	180	6010
			NA	973.	ppm	EH	06-AUG-01	180	6010
			NO2/NO3	3.0	ppm	EH	06-AUG-01	180	6010
			PB	0.035	ppm	JN	10-AUG-01	28	353.2
			PB(D)	0.017	ppm	BD	28-AUG-01	180	6020
			PH	7.8	pH	BD	28-AUG-01	180	6020
			SE	0.096	ppm	DC	01-AUG-01		150.1
			SE(D)	0.093	ppm	BD	28-AUG-01	180	6020
			SO4=	2035.	ppm	BD	28-AUG-01	180	6020
			TDS	4039.	ppm	JN	10-AUG-01	28	9036
			TSS	15.	ppm	BD	27-JUL-01	7	160.1
			ZN	0.14	ppm	BD	27-JUL-01		160.2
			ZN(D)	0.11	ppm	BD	28-AUG-01	180	6020
						BD	28-AUG-01	180	6020

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011066

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L011066-016	24-JUL-01	EPRI-0108-150	AS	0.027	ppm	BD	28-AUG-01	180	6020
			AS(D)	0.026	ppm	BD	28-AUG-01	180	6020
			CA	199.	ppm	EH	06-AUG-01	180	6010
			CD	<0.005	ppm	BD	28-AUG-01	180	6020
			CD(D)	<0.005	ppm	BD	28-AUG-01	180	6020
			CL-	295.	ppm	JN	16-AUG-01	28	325.2
			CO3	<1.0	ppm CaCO3	DC	01-AUG-01	310.1	
			COND.	2850.	umhos/cm2	BD	29-JUL-01	28	120.1
			CR	<0.010	ppm	EH	22-AUG-01	180	6010
			CR(D)	<0.010	ppm	EH	06-AUG-01	180	6010
			CU	<0.025	ppm	BD	28-AUG-01	180	6020
			CU(D)	<0.025	ppm	BD	28-AUG-01	14	6020
			F-	0.64	ppm	EH	30-JUL-01	28	340.2
			FE	<0.10	ppm	EH	22-AUG-01	180	6010
			FE(D)	<0.10	ppm	EH	06-AUG-01	180	6010
			HCO3	247.	ppm CaCO3	DC	01-AUG-01	14	310.1
			K	8.6	ppm	EH	06-AUG-01	180	6010
			MG	92.	ppm	EH	06-AUG-01	180	6010
			NA	303.	ppm	EH	06-AUG-01	180	6010
			NO2/NO3	8.1	ppm	JN	10-AUG-01	28	353.2
			PB	0.019	ppm	BD	28-AUG-01	180	6020
			PB(D)	0.013	ppm	BD	28-AUG-01	180	6020
			PH	8.0	PH	DC	01-AUG-01	180	6020
			SE	0.020	ppm	BD	28-AUG-01	180	6020
			SE(D)	0.020	ppm	BD	28-AUG-01	180	6020
			SO4=	962.	ppm	JN	10-AUG-01	28	9036
			TDS	2091.	ppm	BD	27-JUL-01	7	160.1
			TSS	<1.0	ppm	BD	27-JUL-01	160.2	
			ZN	0.040	ppm	BD	28-AUG-01	180	6020
			ZN(D)	0.031	ppm	BD	28-AUG-01	180	6020
L011066-017	24-JUL-01	EPRI-0108-193	AS	0.008	ppm	BD	28-AUG-01	180	6020
			AS(D)	0.007	ppm	BD	28-AUG-01	180	6020
			CA	182.	ppm	EH	06-AUG-01	180	6010
			CD	<0.005	ppm	BD	28-AUG-01	180	6020
			CD(D)	<0.005	ppm	BD	28-AUG-01	180	6020
			CL-	362.	ppm	JN	16-AUG-01	28	325.2
			CO3	<1.0	ppm CaCO3	DC	01-AUG-01	310.1	
			COND.	3800.	umhos/cm2	BD	29-JUL-01	28	120.1

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011066

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L011066-017	24-JUL-01	EPRI-0108-193	CR	<0.010	ppm	EH	22-AUG-01	180	6010
			CR(D)	<0.010	ppm	EH	06-AUG-01	180	6010
			CU	<0.025	ppm	BD	28-AUG-01		6020
			CU(D)	<0.025	ppm	BD	28-AUG-01	14	6020
			F-	0.66	ppm	EH	30-JUL-01	28	340.2
			FE	2.6	ppm	EH	22-AUG-01	180	6010
			FE(D)	<0.10	ppm	EH	06-AUG-01	180	6010
			HCO3	338.	ppm	DC	01-AUG-01	14	310.1
			K	11.	ppm	CaCO3	06-AUG-01	180	6010
			MG	108.	ppm	EH	06-AUG-01	180	6010
			NA	522.	ppm	EH	06-AUG-01	180	6010
			NO2/NO3	11.	ppm	JN	10-AUG-01	28	353.2
			PB	<0.003	ppm	BD	28-AUG-01	180	6020
			PB(D)	<0.003	ppm	BD	28-AUG-01	180	6020
			PH	7.9	pH	DC	01-AUG-01		150.1
			SE	0.036	ppm	BD	28-AUG-01	180	6020
			SE(D)	0.038	ppm	BD	28-AUG-01	180	6020
			SO4=	1368.	ppm	JN	10-AUG-01	28	9036
			TDS	2802.	ppm	BD	27-JUL-01	7	160.1
			TSS	81.	ppm	BD	27-JUL-01		160.2
			ZN	0.028	ppm	BD	28-AUG-01	180	6020
			ZN(D)	<0.020	ppm	BD	28-AUG-01	180	6020
L011066-018	24-JUL-01	EPRI-0108-160	AS	0.039	ppm	BD	28-AUG-01	180	6020
			AS(D)	0.044	ppm	BD	28-AUG-01	180	6020
			CA	108.	ppm	EH	06-AUG-01	180	6010
			CD	<0.005	ppm	BD	28-AUG-01	180	6020
			CD(D)	<0.005	ppm	BD	28-AUG-01	180	6020
			CL-	511.	ppm	JN	16-AUG-01	28	325.2
			CO3	<1.0	ppm	CaCO3	01-AUG-01		310.1
			COND.	4560.	umhos/cm2	DC	29-JUL-01	28	120.1
			CR	<0.010	ppm	EH	22-AUG-01	180	6010
			CR(D)	<0.010	ppm	EH	06-AUG-01	180	6010
			CU	<0.025	ppm	BD	28-AUG-01	180	6020
			CU(D)	<0.025	ppm	BD	28-AUG-01	14	6020
			F-	1.1	ppm	BD	30-JUL-01	28	340.2
			FE	2.4	ppm	EH	22-AUG-01	180	6010
			FE(D)	<0.10	ppm	EH	06-AUG-01	180	6010
			HCO3	371.	ppm	CaCO3	01-AUG-01	14	310.1

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011066

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD
L011066-018	24-JUL-01	EPRI-0108-160	K	13.	ppm	EH	06-AUG-01	180
			MG	84.	ppm	EH	06-AUG-01	180
			NA	819.	ppm	EH	06-AUG-01	180
			NO2/NO3	13.	ppm	JN	10-AUG-01	28
			PB	0.007	ppm	BD	28-AUG-01	180
			PB(D)	<0.003	ppm	BD	28-AUG-01	180
			PH	8.1	pH	DC	01-AUG-01	150.1
			SE	0.025	ppm	BD	28-AUG-01	180
			SE(D)	0.027	ppm	BD	28-AUG-01	180
			SO4=	1610.	ppm	JN	10-AUG-01	28
			TDS	3258.	ppm	BD	27-JUL-01	7
			TSS	231.	ppm	BD	27-JUL-01	160.1
			ZN	0.030	ppm	BD	28-AUG-01	180
			ZN(D)	<0.020	ppm	BD	28-AUG-01	180
			AS	0.030	ppm	BD	28-AUG-01	180
			AS(D)	0.033	ppm	BD	28-AUG-01	180
			CA	62.	ppm	EH	06-AUG-01	180
			CD	<0.005	ppm	BD	28-AUG-01	180
			CD(D)	<0.005	ppm	BD	28-AUG-01	180
			CL-	517.	ppm	JN	16-AUG-01	28
			CO3	<1.0	ppm CaCO3	DC	01-AUG-01	310.1
			COND.	4610.	umhos/cm2	BD	29-JUL-01	28
			CR	<0.010	ppm	EH	22-AUG-01	180
			CR(D)	<0.010	ppm	EH	06-AUG-01	180
L011066-019	24-JUL-01	EPRI-0108-157	CU	<0.025	ppm	BD	28-AUG-01	6020
			CU(D)	<0.025	ppm	BD	28-AUG-01	14
			F-	1.7	ppm	EH	30-JUL-01	28
			FE	4.3	ppm	EH	22-AUG-01	180
			FE(D)	<0.10	ppm	EH	06-AUG-01	180
			HCO3	515	ppm CaCO3	DC	01-AUG-01	14
			K	8.8	ppm	EH	06-AUG-01	180
			MG	58.	ppm	EH	06-AUG-01	180
			NA	887.	ppm	EH	06-AUG-01	180
			NO2/NO3	5.8	ppm	JN	10-AUG-01	28
			PB	0.012	ppm	BD	28-AUG-01	180
			PB(D)	<0.003	ppm	BD	28-AUG-01	180
			PH	8.0	pH	DC	01-AUG-01	150.1
			SE	0.038	ppm	BD	28-AUG-01	180
								6020
								6020
								6020

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011066

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L011066-019	24-JUL-01	EPRI-0108-157	SE(D)	0.040	ppm	BD	28-AUG-01	180	6020
			SO4=	1355.	ppm	JN	10-AUG-01	28	9036
			TDS	3196.	ppm	BD	27-JUL-01	7	160.1
			TSS	117.	ppm	BD	27-JUL-01	160.2	150.2
			ZN	0.044	ppm	BD	28-AUG-01	180	6020
			ZN(D)	0.029	ppm	BD	28-AUG-01	180	6020
			AS	<0.005	ppm	BD	28-AUG-01	180	6020
			AS(D)	<0.005	ppm	BD	28-AUG-01	180	6020
			CA	<1.0	ppm	EH	06-AUG-01	180	6010
			CD	<0.005	ppm	BD	28-AUG-01	180	6020
L011066-020	24-JUL-01	EPRI-0108-244	CD(D)	<0.005	ppm	BD	28-AUG-01	180	6020
			CL-	<1.0	ppm	JN	16-AUG-01	28	325.2
			CO3	<1.0	ppm CaCO3	DC	01-AUG-01	28	310.1
			COND.	<5.0	umhos/cm2	BD	29-JUL-01	28	120.1
			CR	<0.010	ppm	EH	22-AUG-01	180	6010
			CR(D)	<0.010	ppm	EH	06-AUG-01	180	6010
			CU	<0.025	ppm	BD	28-AUG-01	180	6010
			CU(D)	<0.025	ppm	BD	28-AUG-01	14	6020
			F-	<0.050	ppm	EH	30-JUL-01	28	340.2
			FE	<0.10	ppm	EH	22-AUG-01	180	6010
			FE(D)	<0.10	ppm	EH	06-AUG-01	180	6010
			HCO3	<1.0	ppm CaCO3	DC	01-AUG-01	14	310.1
			K	<2.0	ppm	EH	06-AUG-01	180	6010
			MG	<1.0	ppm	EH	06-AUG-01	180	6010
			NA	<2.0	ppm	EH	06-AUG-01	180	6010
			NO2/NO3	<0.10	ppm	JN	10-AUG-01	28	353.2
			PB	<0.003	ppm	BD	28-AUG-01	180	6020
			PB(D)	<0.003	ppm	BD	28-AUG-01	180	6020
			PH	5.6	PH	DC	01-AUG-01	180	150.1
			SE	<0.005	ppm	BD	28-AUG-01	180	6020
			SE(D)	<0.005	ppm	BD	28-AUG-01	180	6020
			SO4=	<2.0	ppm	JN	10-AUG-01	28	9036
			TDS	14.	ppm	BD	27-JUL-01	7	160.1
			TSS	<1.0	ppm	BD	27-JUL-01	160.2	160.2
			ZN	<0.020	ppm	BD	28-AUG-01	180	6020
			ZN(D)	<0.020	ppm	BD	28-AUG-01	180	6020
						BD	28-AUG-01	180	6020

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT


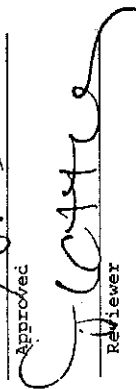
El Paso

Water and Solid Waste (Project 3220)

Batch No: 1011066

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	ANALYZED	DATE	HOLD

PH is a field parameter therefore holding time cannot be met by the laboratory.
Digestion Methods for totals --- 3010 and 6020.


 Approved

 Reviewer

ASARCO INDUSTRIAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: WG010845

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD
WG010845-1		Matrix Spike	AS	98	%Recovery	BD	28-AUG-01	6020
			AS (D)	97	%Recovery	BD	28-AUG-01	6020
			CD	91	%Recovery	BD	28-AUG-01	6020
			CD (D)	93	%Recovery	BD	28-AUG-01	6020
			CL	102	%Recovery	JN	16-AUG-01	325.2
			CR	96	%Recovery	EH	22-AUG-01	6010
			CR (D)	93	%Recovery	EH	06-AUG-01	6010
			CU	93	%Recovery	BD	28-AUG-01	6020
			CU (D)	91	%Recovery	BD	28-AUG-01	6020
			F-	101	%Recovery	EH	30-JUL-01	340.2
			FE	99	%Recovery	EH	22-AUG-01	6010
			FE (D)	92	%Recovery	EH	06-AUG-01	6010
			NO2/NO3	99	%Recovery	JN	10-AUG-01	353.2
			PB	89	%Recovery	BD	28-AUG-01	6020
			PB (D)	88	%Recovery	BD	28-AUG-01	6020
			SE	97	%Recovery	BD	28-AUG-01	6020
			SE (D)	98	%Recovery	JN	10-AUG-01	9036
			SO4=	97	%Recovery	BD	28-AUG-01	6020
			ZN	97	%Recovery	BD	28-AUG-01	6020
			ZN (D)	98	%Recovery	BD	28-AUG-01	6020
WG010845-2		Prep Blank	AS	<0.005	ppm	BD	28-AUG-01	6020
			AS (D)	<0.005	ppm	BD	28-AUG-01	6020
			CA	<1.0	ppm	EH	06-AUG-01	6010
			CD	<0.005	ppm	BD	28-AUG-01	6020
			CD (D)	<0.005	ppm	BD	28-AUG-01	6020
			CL-	<1.0	ppm	JN	16-AUG-01	325.2
			CO3	<1.0	ppm	DC	01-AUG-01	310.1
			COND.	<5.0	umhos/cm2	BD	29-JUL-01	120.1
			CR	<0.010	ppm	EH	22-AUG-01	6010
			CR (D)	<0.010	ppm	EH	06-AUG-01	6010
			CU	<0.025	ppm	BD	28-AUG-01	6020
			CU (D)	<0.025	ppm	BD	28-AUG-01	6020
			F-	<0.050	ppm	EH	30-JUL-01	340.2
			FE	<0.10	ppm	EH	22-AUG-01	6010
			FE (D)	<0.10	ppm	EH	06-AUG-01	6010
			HCO3	<1.0	ppm	DC	01-AUG-01	310.1
			K	<2.0	ppm	EH	06-AUG-01	6010
			MG	<1.0	ppm	EH	06-AUG-01	6010

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: WG010845

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
WG010845-2		Prep Blank	NA	<2.0	ppm	EH	06-AUG-01		6010
			NO2/NO3	<0.10	ppm	JN	10-AUG-01		353.2
			PB	<0.003	ppm	BD	28-AUG-01		6020
			PB(D)	<0.003	ppm	BD	28-AUG-01		6020
			SE	<0.005	ppm	BD	28-AUG-01		6020
			SE(D)	<0.005	ppm	BD	28-AUG-01		6020
			SO4=	<2.0	ppm	JN	10-AUG-01		9036
			TDS	<10.	ppm	BD	27-JUL-01		160.1
			TSS	<1.0	ppm	BD	27-JUL-01		160.2
			ZN	<0.020	ppm	BD	28-AUG-01		6020
			ZN(D)	<0.020	ppm	BD	28-AUG-01		6020
			AS	109	\$Recovery	BD	28-AUG-01		6020
			AS(D)	101	\$Recovery	BD	28-AUG-01		6020
			CA	93	\$Recovery	EH	06-AUG-01		6010
			CD	102	\$Recovery	BD	28-AUG-01		6020
			CD(D)	100	\$Recovery	BD	28-AUG-01		6020
			CL-	100	\$Recovery	JN	16-AUG-01		325.2
WG010845-3		Lab Control Sample	COND.	100	\$Recovery	BD	29-JUL-01		120.1
			CR	91	\$Recovery	EH	28-AUG-01		6010
			CR(D)	95	\$Recovery	EH	06-AUG-01		6010
			CU	101	\$Recovery	BD	28-AUG-01		6020
			CU(D)	102	\$Recovery	BD	28-AUG-01		6020
			F-	92	\$Recovery	EH	30-JUL-01		340.2
			FE	94	\$Recovery	EH	28-AUG-01		6010
			FE(D)	97	\$Recovery	EH	06-AUG-01		6010
			HCO3	96	\$Recovery	DC	01-AUG-01		310.1
			K	94	\$Recovery	EH	06-AUG-01		6010
			MG	94	\$Recovery	EH	06-AUG-01		6010
			NA	108	\$Recovery	EH	06-AUG-01		6010
			NO2/NO3	100	\$Recovery	JN	10-AUG-01		353.2
			PB	102	\$Recovery	BD	28-AUG-01		6020
			PB(D)	98	\$Recovery	BD	28-AUG-01		6020
			SE	116	\$Recovery	BD	28-AUG-01		6020
			SE(D)	102	\$Recovery	BD	28-AUG-01		6020
			SO4=	101	\$Recovery	JN	10-AUG-01		9036
			TDS	101	\$Recovery	BD	27-JUL-01		160.1
			TSS	93	\$Recovery	BD	27-JUL-01		160.2
			ZN	113	\$Recovery	BD	28-AUG-01		6020

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: WG010845

LAB NO.	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	SOLD DAYS	METHOD
WG010845-3		Lab Control Sample	ZN(D)	100	%Recovery	BD	28-AUG-01		6020
WG010845-4		Duplicate	CL-	11	% RPD	JN	16-AUG-01		325.2
			CO3	<1	% RPD	DC	01-AUG-01		310.1
			COND.	<1	% RPD	BD	29-JUL-01		120.1
			F-	4.4	% RPD	EH	30-JUL-01		340.2
			HCO3	<1	% RPD	DC	01-AUG-01		310.1
			NO2/NO3	<1	% RPD	JN	10-AUG-01		353.2
			SO4=	3.3	% RPD	JN	10-AUG-01		9036
			TDS	2.3	% RPD	BD	27-JUL-01		160.1
			TSS	8.0	% RPD	BD	27-JUL-01		160.2
			AS	1.6	% RPD	BD	28-AUG-01		6020
			AS(D)	<1	% RPD	BD	28-AUG-01		6020
			CA	2.8	% RPD	EH	06-AUG-01		6010
			CD	<1	% RPD	BD	28-AUG-01		6020
			CD(D)	<1	% RPD	BD	28-AUG-01		6020
WG010845-5		Matrix Spike Duplicate	CR	<1	% RPD	EH	22-AUG-01		6010
			CR(D)	7.1	% RPD	EH	06-AUG-01		6010
			CU	2.1	% RPD	BD	28-AUG-01		6020
			CU(D)	<1	% RPD	BD	28-AUG-01		6020
			FE	1.0	% RPD	EH	22-AUG-01		6010
			FE(D)	6.7	% RPD	EH	06-AUG-01		6010
			K	2.1	% RPD	EH	06-AUG-01		6010
			MG	1.4	% RPD	EH	06-AUG-01		6010
			NA	2.1	% RPD	EH	06-AUG-01		6010
			PB	4.1	% RPD	BD	28-AUG-01		6020
			PB(D)	<1	% RPD	BD	28-AUG-01		6020
			SE	2.2	% RPD	BD	28-AUG-01		6020
			SE(D)	<1	% RPD	BD	28-AUG-01		6020
			ZN	2.6	% RPD	BD	28-AUG-01		6020
WG010845-6		Reporting Limit	ZN(D)	<1	% RPD	BD	28-AUG-01		6020
			AS	0.005	ppm				6020
			AS(D)	0.005	ppm				6020
			CA	1.0	ppm				6010
			CD	0.005	ppm				6020
			CD(D)	0.005	ppm				6020
			CL-	1.0	ppm				325.2

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: WG010845

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
WG010845-6		Reporting Limit	CO3	1.0	ppm CaCO3				310.1
			COND.	5.0	umhos/cm2				120.1
			CR	0.010	ppm				6010
			CR (D)	0.010	ppm				6010
			CU	0.025	ppm				6020
			CU (D)	0.025	ppm				6020
			F-	0.050	ppm				340.2
			FE	0.10	ppm				6010
			FE (D)	0.10	ppm				6010
			HCO3	1.0	ppm CaCO3				310.1
			K	2.0	ppm				6010
			MG	1.0	ppm				6010
			NA	2.0	ppm				6010
			NO2/NO3	0.10	ppm				353.2
			PB	0.003	ppm				6020
			PB (D)	0.003	ppm				6020
			SE	0.005	ppm				6020
			SE (D)	0.005	ppm				6020
			SO4=	2.0	ppm				9036
			TDS	10	ppm				160.1
			TSS	1.0	ppm				160.2
			ZN	0.020	ppm				6020
			ZN (D)	0.020	ppm				6020
WG010845-7		Matrix Spike	AS	95	% Recovery	EH	22-AUG-01		6010
			AS (D)	99	% Recovery	EH	06-AUG-01		6010
WG010845-8		Prep Blank	AS	<0.050	ppm	EH	22-AUG-01		6010
			AS (D)	<0.050	ppm	EH	06-AUG-01		6010
WG010845-9		Lab Control Sample	AS	90	% Recovery	EH	28-AUG-01		6010
			AS (D)	100	% Recovery	EH	06-AUG-01		6010
WG010845-11		Matrix Spike Duplicate	AS	<1	% RPD	EH	22-AUG-01		6010
			AS (D)	16	% RPD	EH	29-AUG-01		6010

ASARCO TECHNICAL SERVICES CENTER


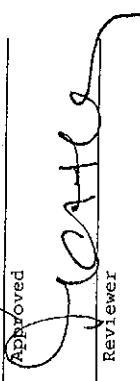
ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: WG010845

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
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 Approved

 Reviewer

PROJ. NO.		PROJECT NAME		NO. OF CONTAINERS		COMMONS UF/RAW							DISS. METAL F/HNO ₃				CN UF/NaOH				Total Metals UF/HNO ₃				Total Recoverable Metals UF/HNO ₃		BTX		TPH		REMARK	
DATE	TIME	COMP	GRAB	SAMPLE NUMBER		COMMONS UF/RAW							DISS. METAL F/HNO ₃				CN UF/NaOH				Total Metals UF/HNO ₃				Total Recoverable Metals UF/HNO ₃		BTX		TPH		REMARK	
7-20-01	820			EPR1-0108-111		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
7-20-01	910			EPR1-0108-119		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
7-20-01	945			EPR1-0108-164		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
7-20-01	1030			EPR1-0108-120		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
	1320			EPR1-0108-140		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
	1330			EPR1-0108-241		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
	1350			EPR1-0108-141		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
	1420			EPR1-0108-142		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
	1500			EPR1-0108-242		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
7-24-01	815			EPR1-0108-159		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
	820			EPR1-0108-243		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
	845			EPR1-0108-158		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
	915			EPR1-0108-149		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
	945			EPR1-0108-162		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
	1015			EPR1-0108-161		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
Relinquished (Signature)		Date/Time		Received by: (Signature)		Lab		P.O. #		Shipped via: Bus, Fed Ex, UPS		Other		Air Bill #		REMARK																
[Signature]		7/24/01 1100		[Signature]		[Signature]		[Signature]		[Signature]		[Signature]		[Signature]		[Signature]																
Relinquished (Signature)		Date/Time		Received by: (Signature)		Lab		P.O. #		Shipped via: Bus, Fed Ex, UPS		Other		Air Bill #		REMARK																
[Signature]				[Signature]		[Signature]		[Signature]		[Signature]		[Signature]		[Signature]		[Signature]																
Relinquished (Signature)		Date/Time		Received for Laboratory by: (Signature)		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		REMARK																
[Signature]				[Signature]		7-25-01 0930		7-25-01 0930		7-25-01 0930		7-25-01 0930		7-25-01 0930		7-25-01 0930																

Enclosed: ☒ Parameter sheet w/detection limits
☐ QA/QC standard mixing instructions ☒ Cover letter
☐ Other

Split Samples:
☐ Accepted ☐ Declined

Return results & electronic copy to:
Computer Dept at address of lab of origin

HF08M-1-4/95

3275 W. Ina Rd., Ste. 205 • Tucson, AZ 85741 • (520) 544-3150 • FAX (520) 544-3190
P.O. Box 220182, El Paso, TX 79913 • (915) 532-3489 • FAX (915) 532-4897

PROJ. NO.	PROJECT NAME	DATE		TIME	COMP.	GRAB	SAMPLE NUMBER	NO. OF CONTAINERS	Commons UF/RAW	Nutrients UF/H ₂ SO ₄	Diss. Metal F/HNO ₃	CN UF/NaOH	Total Metals UF/HNO ₃	Total Recoverable Metals UF/HNO ₃	BTEX	TPH	REMARKS
1246UZ	ASARC - E1 P480	1-24-01	1100				2821-0108-150	4	X	X	X	X	X	X			
			1350				2821-0108-193	4	X	X	X	X	X	X			
			1420				2821-0108-160	4	X	X	X	X	X	X			
			1500				2821-0108-157	4	X	X	X	X	X	X			
			1600				2821-0108-244	4	X	X	X	X	X	X			
/																	
Relinquished (Signature)	Received by: (Signature)	Date/Time	Date/Time		Date/Time		Date/Time		Lab	P.O. #	Shipped via: Bus, Fed Ex, UPS Other _____ Air Bill # _____						
<i>[Signature]</i>	<i>[Signature]</i>	1/24/01	1100						13C, 13C, 13C								
Relinquished (Signature)	Received by: (Signature)	Date/Time	Date/Time		Date/Time		Date/Time		Received for Laboratory by: (Signature)	Date/Time	Enclosed: <input checked="" type="checkbox"/> Parameter sheet w/detection limits <input type="checkbox"/> QA/QC standard mixing instructions <input checked="" type="checkbox"/> Cover letter <input type="checkbox"/> Other _____						
<i>[Signature]</i>	<i>[Signature]</i>								<i>[Signature]</i>	7-25-01	0930						

HF0RM-1-4/95

Return results & electronic copy to:

Computer Dept. at address of last...

Signature _____

Split Samples: ☐ Accepted ☐ Declined

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011027

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L011027-001	16-JUL-01	EPRI-0108-233	AS	<0.005	ppm	MF	17-AUG-01	180	6020
			AS(D)	<0.005	ppm	MF	17-AUG-01	180	6020
			CA	<1.0	ppm	EH	03-AUG-01	180	6010
			CD	<0.005	ppm	MF	17-AUG-01	180	6020
			CD(D)	<0.005	ppm	MF	17-AUG-01	180	6020
			CL	<1.0	ppm	JN	07-AUG-01	28	325.2
			CO3	<1.0	ppm CaCO3	DC	26-JUL-01	310.1	
			COND.	<5.0	umhos/cm2	BD	29-JUL-01	28	120.1
			CR	<0.010	ppm	MF	17-AUG-01	180	6020
			CR(D)	<0.010	ppm	MF	17-AUG-01	180	6020
			CU	<0.025	ppm	MF	17-AUG-01	180	6020
			CU(D)	<0.025	ppm	MF	17-AUG-01	14	6020
			F-	<0.050	ppm	EH	26-JUL-01	28	340.2
			FE	<0.10	ppm	EH	08-AUG-01	180	6010
			FE(D)	<0.10	ppm	EH	03-AUG-01	180	6010
			HCO3	<1.0	ppm CaCO3	DC	26-JUL-01	14	310.1
			K	<2.0	ppm	EH	03-AUG-01	180	6010
			MG	<1.0	ppm	EH	03-AUG-01	180	6010
			NA	<2.0	ppm	EH	03-AUG-01	180	6010
			NO2/NO3	<0.050	ppm	JN	08-AUG-01	28	353.2
			PB	<0.003	ppm	MF	17-AUG-01	180	6020
			PB(D)	<0.003	ppm	MF	17-AUG-01	180	6020
			PH	5.6	pH	DC	26-JUL-01	150.1	
			SE	<0.005	ppm	MF	17-AUG-01	180	6020
			SE(D)	<0.005	ppm	MF	17-AUG-01	180	6020
			SO4	<2.0	ppm	EH	09-AUG-01	28	9036
			TDS	<10	ppm	BD	20-JUL-01	7	160.1
			TSS	<1.0	ppm	BD	20-JUL-01	150.2	
			ZN	<0.020	ppm	MF	17-AUG-01	180	6020
			ZN(D)	<0.020	ppm	MF	17-AUG-01	180	6020
L011027-002	16-JUL-01	EPRI-0108-100	AS	0.11	ppm	MF	17-AUG-01	180	6020
			AS(D)	0.095	ppm	MF	17-AUG-01	180	6020
			CA	116	ppm	EH	03-AUG-01	180	6010
			CD	<0.005	ppm	MF	17-AUG-01	180	6020
			CD(D)	<0.005	ppm	MF	17-AUG-01	180	6020
			CL	248	ppm	JN	07-AUG-01	28	325.2
			CO3	<1.0	ppm CaCO3	DC	26-JUL-01	310.1	
			COND.	1868	umhos/cm2	BD	29-JUL-01	28	120.1

ASARCO TECHNICAL SERVICES CENTER
ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011027

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L011027-002	16-JUL-01	EPRI-0108-100	CR	<0.010	ppm	MF	17-AUG-01	180	6020
			CR(D)	<0.010	ppm	MF	17-AUG-01	180	6020
			CU	0.047	ppm	MF	17-AUG-01	180	6020
			CU(D)	<0.025	ppm	MF	17-AUG-01	14	6020
			F-	0.68	ppm	EH	26-JUL-01	28	340.2
			FE	6.6	ppm	EH	08-AUG-01	180	6010
			FE(D)	0.63	ppm	EH	03-AUG-01	180	6010
			HCO3	250.	ppm	DC	26-JUL-01	14	310.1
			K	14.	ppm	EH	03-AUG-01	180	6010
			MG	31.	ppm	EH	03-AUG-01	180	6010
			NA	243.	ppm	EH	03-AUG-01	180	6010
			NO2/NO3	<0.050	ppm	JN	08-AUG-01	28	353.2
			PB	0.038	ppm	MF	17-AUG-01	180	6020
			PB(D)	<0.003	ppm	MF	17-AUG-01	180	6020
			PH	7.9	pH	DC	26-JUL-01	150.1	150.1
			SE	<0.005	ppm	MF	17-AUG-01	180	6020
			SE(D)	<0.005	ppm	MF	17-AUG-01	180	6020
			SO4=	377.	ppm	JN	09-AUG-01	28	9036
			TDS	1245.	ppm	BD	20-JUL-01	7	160.1
			TSS	294.	ppm	BD	20-JUL-01	160.2	160.2
			ZN	0.090	ppm	MF	17-AUG-01	180	6020
			ZN(D)	<0.020	ppm	MF	17-AUG-01	180	6020
L011027-003	16-JUL-01	EPRI-0108-101	AS	0.10	ppm	MF	17-AUG-01	180	6020
			AS(D)	0.10	ppm	MF	21-AUG-01	180	6020
			CA	100.	ppm	EH	03-AUG-01	180	6010
			CD	<0.005	ppm	MF	17-AUG-01	180	6020
			CD(D)	<0.005	ppm	MF	17-AUG-01	180	6020
			CL-	575.	ppm	JN	07-AUG-01	28	325.2
			CO3	<1.0	ppm	DC	26-JUL-01	310.1	310.1
			COND.	4300.	umhos/cm2	BD	29-JUL-01	28	120.1
			CR	<0.010	ppm	MF	17-AUG-01	180	6020
			CR(D)	<0.010	ppm	MF	17-AUG-01	180	6020
			CU	0.053	ppm	MF	17-AUG-01	180	6020
			CU(D)	0.029	ppm	MF	17-AUG-01	14	6020
			F-	2.6	ppm	EH	26-JUL-01	28	340.2
			FE	0.64	ppm	EH	08-AUG-01	180	6010
			FE(D)	0.21	ppm	EH	03-AUG-01	180	6010
			HCO3	700.	ppm	DC	26-JUL-01	14	310.1

ASARCO TECHNICAL SERVICES CENTER
ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011027

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L011027-003	16-JUL-01	EPRI-0108-101	K ⁺	13.	ppm	EH	03-AUG-01	180	6010
			MG	46.	ppm	EH	03-AUG-01	180	6010
			NA	903.	ppm	EH	03-AUG-01	180	6010
			NO2/NO3	0.053	ppm	JN	08-AUG-01	28	353.2
			PB	0.016	ppm	MF	17-AUG-01	180	6020
			PB(D)	0.005	ppm	MF	17-AUG-01	180	6020
			PH	7.9	ppm	DC	26-JUL-01	150.1	
			SE	<0.005	ppm	MF	17-AUG-01	180	6020
			SE(D)	<0.005	ppm	MF	17-AUG-01	180	6020
			SO4=	808.	ppm	JH	09-AUG-01	28	9036
			TDS	2924.	ppm	BD	20-JUL-01	7	160.1
			TSS	60.	ppm	BD	20-JUL-01	160.2	
			ZN	0.10	ppm	MF	17-AUG-01	180	6020
			ZN(D)	0.028	ppm	MF	17-AUG-01	180	6020
			AS	0.034	ppm	MF	17-AUG-01	180	6020
			AS(D)	0.030	ppm	MF	21-AUG-01	180	6020
			CA	182.	ppm	EH	03-AUG-01	180	6010
			CD	<0.005	ppm	MF	17-AUG-01	180	6020
			CD(D)	<0.005	ppm	MF	17-AUG-01	180	6020
			CL-	365.	ppm	JN	07-AUG-01	28	325.2
			CO3	<1.0	ppm	DC	26-JUL-01	310.1	
			COND.	4100.	umhos/cm2	BD	29-JUL-01	28	120.1
L011027-004	16-JUL-01	EPRI-0108-102	CR	<0.010	ppm	MF	17-AUG-01	180	6020
			CR(D)	<0.010	ppm	MF	17-AUG-01	180	6020
			CU	<0.025	ppm	MF	17-AUG-01	14	6020
			CU(D)	<0.025	ppm	MF	17-AUG-01	14	6020
			F-	2.0	ppm	EH	26-JUL-01	28	340.2
			FE	<0.10	ppm	EH	08-AUG-01	180	6010
			FE(D)	<0.10	ppm	EH	03-AUG-01	180	6010
			HCO3	345.	ppm	DC	26-JUL-01	14	310.1
			K	17.	ppm	EH	03-AUG-01	180	6010
			MG	65.	ppm	EH	03-AUG-01	180	6010
			NA	686.	ppm	EH	03-AUG-01	180	6010
			NO2/NO3	3.4	ppm	JN	08-AUG-01	28	353.2
			PB	<0.003	ppm	MF	17-AUG-01	180	6020
			PB(D)	<0.003	ppm	MF	17-AUG-01	180	6020
			PH	7.9	ppm	DC	26-JUL-01	150.1	
			SE	0.030	ppm	MF	17-AUG-01	180	6020

ASARCO TECHNICAL SERVICES CENTER
ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011027

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L011027-004	16-JUL-01	EPRI-0108-102	SE(D)	0.038	ppm	MF	17-AUG-01	180	6020
			SO4=	1250.	ppm	JH	09-AUG-01	28	9036
			TDS	2924.	ppm	BD	20-JUL-01	7	160.1
			TSS	6.1	ppm	BD	20-JUL-01		160.2
			ZN	0.035	ppm	MF	17-AUG-01	180	6020
			ZN(D)	<0.020	ppm	MF	17-AUG-01	180	6020
			AS	0.076	ppm	MF	21-AUG-01	180	6020
			AS(D)	0.058	ppm	MF	21-AUG-01	180	6020
			CA	88.	ppm	EH	03-AUG-01	180	6010
			CD	<0.005	ppm	MF	17-AUG-01	180	6020
L011027-005	16-JUL-01	EPRI-0108-103	CD(D)	<0.005	ppm	MF	17-AUG-01	180	6020
			CL-	324.	ppm	JN	07-AUG-01	28	325.2
			CO3	<1.0	ppm CaCO3	DC	26-JUL-01		310.1
			COND.	2710.	umhos/cm2	BD	29-JUL-01	28	120.1
			CR	<0.010	ppm	MF	17-AUG-01	180	6020
			CR(D)	<0.010	ppm	MF	17-AUG-01	180	6020
			CU	<0.025	ppm	MF	17-AUG-01	180	6020
			CU(D)	<0.025	ppm	MF	17-AUG-01		6020
			F-	1.7	ppm	MF	17-AUG-01	14	6020
			FE	2.0	ppm	EH	26-JUL-01	28	340.2
			FE(D)	0.98	ppm	EH	08-AUG-01	180	6010
			HCO3	254.	ppm	EH	03-AUG-01	180	6010
			K	7.5	ppm CaCO3	DC	26-JUL-01	14	310.1
			MG	27.	ppm	EH	03-AUG-01	180	6010
			NA	475.	ppm	EH	03-AUG-01	180	6010
			NO2/NO3	<0.050	ppm	JN	03-AUG-01	180	6010
			PB	0.004	ppm	JN	08-AUG-01	28	353.2
			PB(D)	<0.003	ppm	MF	17-AUG-01	180	6020
			PH	7.9	pH	MF	17-AUG-01	180	6020
			SE	<0.005	ppm	DC	26-JUL-01		150.1
			SE(D)	<0.005	ppm	MF	17-AUG-01	180	6020
			SO4=	704.	ppm	MF	17-AUG-01	180	6020
			TDS	1832.	ppm	JH	09-AUG-01	28	9036
			TSS	13.	ppm	BD	20-JUL-01	7	160.1
			ZN	0.041	ppm	BD	20-JUL-01		160.2
			ZN(D)	<0.020	ppm	MF	17-AUG-01	180	6020
					ppm	MF	17-AUG-01	180	6020

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011027

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L011027-006	16-JUL-01	EPRI-0108-234	AS	0.068	ppm	MF	21-AUG-01	180	6020
			AS(D)	0.049	ppm	MF	21-AUG-01	180	6020
			CA	88.	ppm	EH	03-AUG-01	180	6010
			CD	<0.005	ppm	MF	17-AUG-01	180	6020
			CD(D)	<0.005	ppm	MF	17-AUG-01	180	6020
			CL-	272.	ppm	JN	07-AUG-01	28	325.2
			CO3	<1.0	ppm CaCO3	DC	26-JUL-01	310.1	
			COND.	2710.	umhos/cm2	BD	29-JUL-01	28	120.1
			CR	<0.010	ppm	MF	17-AUG-01	180	6020
			CR(D)	<0.010	ppm	MF	17-AUG-01	180	6020
			CU	<0.025	ppm	MF	17-AUG-01	180	6020
			CU(D)	<0.025	ppm	MF	17-AUG-01	180	6020
			F	1.7	ppm	MF	17-AUG-01	14	6020
			FE	1.9	ppm	EH	26-JUL-01	28	340.2
			FE(D)	0.85	ppm	EH	08-AUG-01	180	6010
			HCO3	240.	ppm	EH	03-AUG-01	180	6010
			K	7.7	ppm CaCO3	DC	26-JUL-01	14	310.1
			MG	27.	ppm	EH	03-AUG-01	180	6010
			NA	468.	ppm	EH	03-AUG-01	180	6010
			NO2/NO3	<0.050	ppm	JN	08-AUG-01	28	353.2
			PB	<0.003	ppm	MF	17-AUG-01	180	6020
			PB(D)	<0.003	ppm	MF	17-AUG-01	180	6020
			PH	8.0	pH	DC	26-JUL-01	150.1	
			SE	<0.005	ppm	MF	17-AUG-01	180	6020
			SE(D)	<0.005	ppm	MF	17-AUG-01	180	6020
			SO4=	785.	ppm	JH	09-AUG-01	28	9036
			TDS	1835.	ppm	BD	20-JUL-01	7	160.1
			TSS	10.	ppm	BD	20-JUL-01	160.2	
			ZN	0.039	ppm	MF	17-AUG-01	180	6020
			ZN(D)	<0.020	ppm	MF	17-AUG-01	180	6020
L011027-007	16-JUL-01	EPRI-0108-178	AS	280.	ppm	EH	22-AUG-01	180	6010
			AS(D)	227.	ppm	EH	22-AUG-01	180	6010
			CA	535.	ppm	EH	03-AUG-01	180	6010
			CD	2.2	ppm	EH	08-AUG-01	180	6010
			CD(D)	0.12	ppm	MF	17-AUG-01	180	6020
			CL-	705.	ppm	JN	07-AUG-01	28	325.2
			CO3	<1.0	ppm CaCO3	DC	26-JUL-01	310.1	
			COND.	7560.	umhos/cm2	BD	29-JUL-01	28	120.1

ASARCO TECHNICAL SERVICES CENTER
ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011027

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L011027-007	16-JUL-01	EPRI-0108-178	CR	0.15	ppm	EH	08-AUG-01	180	6010
			CR (D)	<0.010	ppm	MF	17-AUG-01	180	6020
			CU	0.87	ppm	EH	08-AUG-01		6010
			CU (D)	<0.025	ppm	MF	17-AUG-01	14	6020
			F-	8.5	ppm	EH	26-JUL-01	28	340.2
			FE	325.	ppm	EH	08-AUG-01	180	6010
			FE (D)	47.	ppm	EH	03-AUG-01	180	6010
			HCO3	1386.	ppm	DC	26-JUL-01	14	310.1
			K	228.	ppm	EH	03-AUG-01	180	6010
			MG	240.	ppm	EH	03-AUG-01	180	6010
			NA	1042.	ppm	EH	03-AUG-01	180	6010
			NO2/NO3	<0.050	ppm	EH	03-AUG-01	180	6010
			PB	0.41	ppm	JN	08-AUG-01	28	353.2
			PB (D)	<0.003	ppm	EH	08-AUG-01	180	6010
			PH	6.6	PH	MF	17-AUG-01	180	6020
			SE	0.14	ppm	DC	26-JUL-01		150.1
			SE (D)	0.062	ppm	MF	17-AUG-01	180	6020
			SO4=	2991.	ppm	MF	17-AUG-01	180	6020
			TDS	6831.	ppm	JH	09-AUG-01	28	9036
			TSS	12441.	ppm	BD	20-JUL-01	7	160.1
			ZN	76.	ppm	BD	20-JUL-01		160.2
			ZN (D)	6.9	ppm	EH	08-AUG-01	180	6010
					ppm	EH	03-AUG-01	180	6010
L011027-008	16-JUL-01	EPRI-0108-180	AS	11.	ppm	EH	08-AUG-01	180	6010
			AS (D)	3.2	ppm	EH	03-AUG-01	180	6010
			CA	254.	ppm	EH	03-AUG-01	180	6010
			CD	3.2	ppm	EH	08-AUG-01	180	6010
			CD (D)	0.37	ppm	MF	17-AUG-01	180	6020
			CL-	517.	ppm	JN	07-AUG-01	28	325.2
			CO3	<1.0	ppm	DC	26-JUL-01		310.1
			COND.	5940.	umhos/cm2	BD	29-JUL-01	28	120.1
			CR	0.12	ppm	EH	08-AUG-01	180	6010
			CR (D)	<0.010	ppm	MF	17-AUG-01	180	6020
			CU	70.	ppm	EH	08-AUG-01		6010
			CU (D)	1.3	ppm	MF	17-AUG-01	14	6020
			F-	4.5	ppm	EH	26-JUL-01	28	340.2
			FE	170.	ppm	EH	08-AUG-01	180	6010
			FE (D)	<0.10	ppm	EH	03-AUG-01	180	6010
			HCO3	1540.	ppm	DC	26-JUL-01	14	310.1

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011027

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L011027-008	16-JUL-01	EPRI-0108-180	K	49.	ppm	EH	03-AUG-01	180	6010
			MG	76.	ppm	EH	03-AUG-01	180	6010
			NA	970.	ppm	EH	03-AUG-01	180	6010
			NO2/NO3	16.	ppm	JN	08-AUG-01	28	353.2
			PB	9.5	ppm	EH	08-AUG-01	180	6010
			PB(D)	0.020	ppm	MF	17-AUG-01	180	6020
			PH	7.5	pH	DC	26-JUL-01	150.1	
			SE	0.36	ppm	MF	17-AUG-01	180	6020
			SE(D)	0.25	ppm	MF	17-AUG-01	180	6020
			SO4=	1988.	ppm	JH	09-AUG-01	28	9035
			TDS	4296.	ppm	BD	20-JUL-01	7	160.1
			TSS	6661.	ppm	BD	20-JUL-01	160.2	
			ZN	15.	ppm	EH	08-AUG-01	180	6010
			ZN(D)	2.6	ppm	EH	03-AUG-01	180	6010
			AS	7.4	ppm	EH	08-AUG-01	180	6010
			AS(D)	6.6	ppm	EH	03-AUG-01	180	6010
			CA	276.	ppm	EH	03-AUG-01	180	6010
			CD	0.66	ppm	EH	08-AUG-01	180	6010
			CD(D)	0.12	ppm	MF	17-AUG-01	180	6020
			CL-	414.	ppm	JN	07-AUG-01	28	325.2
			CO3	<1.0	ppm	DC	26-JUL-01	310.1	
			COND.	3950.	umhos/cm2	BD	29-JUL-01	28	120.1
			CR	0.034	ppm	EH	08-AUG-01	180	6010
L011027-009	16-JUL-01	EPRI-0108-181	CR(D)	<0.010	ppm	MF	17-AUG-01	180	6020
			CU	0.40	ppm	EH	08-AUG-01	14	6020
			CU(D)	<0.025	ppm	MF	17-AUG-01	14	6020
			F-	3.5	ppm	EH	26-JUL-01	28	340.2
			FE	46.	ppm	EH	08-AUG-01	180	6010
			FE(D)	<0.10	ppm	EH	03-AUG-01	180	6010
			HCO3	1000.	ppm	DC	26-JUL-01	14	310.1
			K	99.	ppm	EH	03-AUG-01	180	6010
			MG	39.	ppm	EH	03-AUG-01	180	6010
			NA	557.	ppm	EH	03-AUG-01	180	6010
			NO2/NO3	13.	ppm	JN	08-AUG-01	28	353.2
			PB	2.0	ppm	EH	08-AUG-01	180	6010
			PB(D)	0.007	ppm	MF	17-AUG-01	180	6020
			PH	7.3	pH	DC	26-JUL-01	150.1	
			SE	1.3	ppm	MF	17-AUG-01	180	6020

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011027

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L011027-009	16-JUL-01	EPRI-0108-181	SE(D)	1.3	ppm	MF	17-AUG-01	180	6020
			SO4=	1360.	ppm	JH	09-AUG-01	28	9036
			TDS	2972.	ppm	BD	20-JUL-01	7	160.1
			TSS	2440.	ppm	BD	20-JUL-01		160.2
			ZN	0.97	ppm	EH	08-AUG-01	180	6010
			ZN(D)	0.11	ppm	EH	03-AUG-01	180	6010
			AS	0.96	ppm	EH	08-AUG-01	180	6010
			AS(D)	0.97	ppm	MF	21-AUG-01	180	6020
			CA	462.	ppm	EH	03-AUG-01	180	6010
			CD	0.073	ppm	EH	08-AUG-01	180	6010
L011027-010	17-JUL-01	EPRI-0108-108	CD(D)	0.063	ppm	MF	17-AUG-01	180	6020
			CL-	675.	ppm	JN	07-AUG-01	28	325.2
			CO3	<1.0	ppm CaCO3	DC	26-JUL-01		310.1
			COND.	9190.	umhos/cm2	BD	29-JUL-01	28	120.1
			CR	<0.010	ppm	MF	17-AUG-01	180	6020
			CR(D)	<0.010	ppm	MF	17-AUG-01	180	6020
			CU	<0.025	ppm	MF	17-AUG-01		6020
			CU(D)	<0.025	ppm	MF	17-AUG-01	14	6020
			F-	2.6	ppm	EH	26-JUL-01	28	340.2
			FE	6.8	ppm	EH	08-AUG-01	180	6010
			FE(D)	<0.10	ppm	EH	03-AUG-01	180	6010
			HCO3	220.	ppm CaCO3	DC	26-JUL-01	14	310.1
			K	51.	ppm	EH	03-AUG-01	180	6010
			Mg	230.	ppm	EH	03-AUG-01	180	6010
			NA	1606.	ppm	EH	03-AUG-01	180	6010
			NO2/NO3	118.	ppm	JN	08-AUG-01	28	353.2
			PB	0.011	ppm	MF	17-AUG-01	180	6020
			PB(D)	<0.003	ppm	MF	17-AUG-01	180	6020
			PH	7.2	pH	DC	26-JUL-01		150.1
			SE	0.35	ppm	MF	17-AUG-01	180	6020
			SE(D)	0.39	ppm	MF	17-AUG-01	180	6020
			SO4=	4218.	ppm	JH	09-AUG-01	28	9036
			TDS	7921.	ppm	BD	20-JUL-01	7	160.1
			TSS	336.	ppm	BD	20-JUL-01		160.2
			ZN	0.055	ppm	MF	17-AUG-01	180	6020
			ZN(D)	0.032	ppm	MF	17-AUG-01	180	6020

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011027

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	PERIOD
L011027-011	17-JUL-01	EPRI-0108-235	AS	0.96	ppm	EH	08-AUG-01	180	6010
			AS(D)	0.96	ppm	MF	21-AUG-01	180	6020
			CA	455.	ppm	EH	03-AUG-01	180	6010
			CD	0.073	ppm	EH	08-AUG-01	180	6010
			CD(D)	0.063	ppm	MF	17-AUG-01	180	6020
			CL	656.	ppm	JN	07-AUG-01	28	325.2
			CO3	<1.0	ppm	CaCO3	26-JUL-01		310.1
			COND.	9160.	umhos/cm2	BD	29-JUL-01	28	120.1
			CR	<0.010	ppm	MF	17-AUG-01	180	6020
			CR(D)	<0.010	ppm	MF	17-AUG-01	180	6020
			CU	<0.025	ppm	MF	17-AUG-01		6020
			CU(D)	<0.025	ppm	MF	17-AUG-01	14	6020
			F-	2.5	ppm	EH	26-JUL-01	28	340.2
			FE	6.3	ppm	EH	08-AUG-01	180	6010
			FE(D)	<0.10	ppm	EH	03-AUG-01	180	6010
			HCO3	195.	ppm	DC	26-JUL-01	14	310.1
			K	54.	ppm	CaCO3	03-AUG-01	180	6010
			MG	235.	ppm	EH	03-AUG-01	180	6010
			NA	1646.	ppm	EH	03-AUG-01	180	6010
			NO2/NO3	122.	ppm	JN	08-AUG-01	28	353.2
			PB	0.011	ppm	MF	17-AUG-01	180	6020
			PB(D)	<0.003	ppm	MF	17-AUG-01	180	6020
			PH	7.3	pH	DC	26-JUL-01		150.1
			SE	0.35	ppm	MF	17-AUG-01	180	6020
			SE(D)	0.39	ppm	MF	17-AUG-01	180	6020
			SO4	3999.	ppm	JH	09-AUG-01	28	9036
			TDS	7868.	ppm	BD	20-JUL-01	7	160.1
			TSS	267.	ppm	BD	20-JUL-01		160.2
			ZN	0.055	ppm	MF	17-AUG-01	180	6020
			ZN(D)	0.031	ppm	MF	17-AUG-01	180	6020
L011027-012	17-JUL-01	EPRI-0108-116	AS	0.69	ppm	MF	17-AUG-01	180	6020
			AS(D)	0.59	ppm	MF	21-AUG-01	180	6020
			CA	394.	ppm	EH	03-AUG-01	180	6010
			CD	<0.005	ppm	MF	17-AUG-01	180	6020
			CD(D)	<0.005	ppm	MF	17-AUG-01	180	6020
			CL	465.	ppm	JN	07-AUG-01	28	325.2
			CO3	<1.0	ppm	CaCO3	26-JUL-01		310.1
			COND.	6330.	umhos/cm2	BD	29-JUL-01	28	120.1

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011027

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L011027-012	17-JUL-01	EPRI-0108-116	CR	0.074	ppm	MF	17-AUG-01	180	6020
			CR (D)	<0.010	ppm	MF	17-AUG-01	180	6020
			CU	<0.025	ppm	MF	17-AUG-01	180	6020
			CU (D)	<0.025	ppm	MF	17-AUG-01	14	6020
			F-	0.98	ppm	EH	26-JUL-01	28	340.2
			FE	3.2	ppm	EH	08-AUG-01	180	6010
			FE (D)	<0.10	ppm	EH	03-AUG-01	180	6010
			HCO3	496.	ppm CaCO3	DC	26-JUL-01	14	310.1
			K	17.	ppm	EH	03-AUG-01	180	6010
			MG	136.	ppm	EH	03-AUG-01	180	6010
			NA	1064.	ppm	EH	03-AUG-01	180	6010
			NO2/NO3	36.	ppm	JN	08-AUG-01	28	353.2
			PB	0.013	ppm	MF	17-AUG-01	180	6020
			PB (D)	<0.003	ppm	MF	17-AUG-01	180	6020
			PH	7.9	pH	DC	26-JUL-01	150.1	
			SE	0.92	ppm	MF	17-AUG-01	180	6020
			SE (D)	0.98	ppm	MF	17-AUG-01	180	6020
			SO4=	2642.	ppm	JH	09-AUG-01	28	9036
			TDS	5219.	ppm	BD	20-JUL-01	7	160.1
			TSS	191.	ppm	BD	20-JUL-01	160.2	
			ZN	0.031	ppm	MF	17-AUG-01	180	6020
			ZN (D)	<0.020	ppm	MF	17-AUG-01	180	6020
L011027-013	17-JUL-01	EPRI-0108-115	AS	0.28	ppm	MF	17-AUG-01	180	6020
			AS (D)	0.27	ppm	MF	21-AUG-01	180	6020
			CA	47.	ppm	EH	03-AUG-01	180	6010
			CD	<0.005	ppm	MF	17-AUG-01	180	6020
			CD (D)	<0.005	ppm	MF	17-AUG-01	180	6020
			CL-	364.	ppm	JN	07-AUG-01	28	325.2
			CO3	<1.0	ppm CaCO3	DC	26-JUL-01	310.1	
			COND.	3270.	umhos/cm2	BD	29-JUL-01	28	120.1
			CR	0.015	ppm	MF	17-AUG-01	180	6020
			CR (D)	<0.010	ppm	MF	17-AUG-01	180	6020
			CU	<0.025	ppm	MF	17-AUG-01	180	6020
			CU (D)	<0.025	ppm	MF	17-AUG-01	14	6020
			F-	2.8	ppm	EH	26-JUL-01	28	340.2
			FE	14.	ppm	EH	08-AUG-01	180	6010
			FE (D)	<0.10	ppm	EH	03-AUG-01	180	6010
			HCO3	360.	ppm CaCO3	DC	26-JUL-01	14	310.1

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011027

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L011027-013	17-JUL-01	EPRI-0108-115	K	16.	ppm	EH	03-AUG-01	180	6010
			MG	20.	ppm	EH	03-AUG-01	180	6010
			NA	680.	ppm	EH	03-AUG-01	180	6010
			NO2/NO3	7.0	ppm	JN	08-AUG-01	28	353.2
			PB	0.010	ppm	MF	17-AUG-01	180	6020
			PB(D)	<0.003	ppm	MF	17-AUG-01	180	6020
			PH	8.1	pH	DC	26-JUL-01	150.1	
			SE	0.14	ppm	MF	17-AUG-01	180	6020
			SE(D)	0.16	ppm	MF	17-AUG-01	180	6020
			SO4=	960.	ppm	JH	09-AUG-01	28	9036
			TDS	2185.	ppm	BD	20-JUL-01	7	160.1
			TSS	1144.	ppm	BD	20-JUL-01	7	160.2
			ZN	0.037	ppm	MF	17-AUG-01	180	6020
			ZN(D)	<0.020	ppm	MF	17-AUG-01	180	6020
			AS	0.45	ppm	MF	17-AUG-01	180	6020
			AS(D)	0.18	ppm	MF	21-AUG-01	180	6020
			CA	111.	ppm	EH	03-AUG-01	180	6010
			CD	0.026	ppm	MF	17-AUG-01	180	6020
			CD(D)	<0.005	ppm	MF	17-AUG-01	180	6020
L011027-014	17-JUL-01	EPRI-0108-182	CL-	473.	ppm	JN	07-AUG-01	28	325.2
			CO3	<1.0	ppm CaCO3	DC	26-JUL-01	310.1	
			COND.	3670.	umhos/cm2	BD	29-JUL-01	28	120.1
			CR	0.073	ppm	EH	08-AUG-01	180	6010
			CR(D)	<0.010	ppm	MF	17-AUG-01	180	6020
			CU	0.77	ppm	EH	08-AUG-01	6010	
			CU(D)	<0.025	ppm	MF	17-AUG-01	14	6020
			F-	1.5	ppm	MF	26-JUL-01	28	340.2
			FE	369.	ppm	EH	08-AUG-01	180	6010
			FE(D)	<0.10	ppm	EH	03-AUG-01	180	6010
			HCO3	900.	ppm CaCO3	DC	26-JUL-01	14	310.1
			K	14.	ppm	EH	03-AUG-01	180	6010
			MG	52.	ppm	EH	03-AUG-01	180	6010
			NA	644.	ppm	EH	03-AUG-01	180	6010
			NO2/NO3	16.	ppm	JN	08-AUG-01	28	353.2
			PB	1.1	ppm	EH	08-AUG-01	180	6010
			PB(D)	<0.003	ppm	MF	17-AUG-01	180	6020
			PH	8.1	pH	DC	26-JUL-01	150.1	
			SE	0.28	ppm	MF	17-AUG-01	180	6020

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011027

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L011027-014	17-JUL-01	EPRI-0108-182	SE (D)	0.28	ppm	MF	17-AUG-01	180	6020
			SO4=	1299.	ppm	JH	09-AUG-01	28	9036
			TDS	2633.	ppm	BD	20-JUL-01	7	160.1
			TSS	10133.	ppm	BD	20-JUL-01		160.2
			ZN	1.1	ppm	EH	08-AUG-01	180	6010
			ZN (D)	<0.020	ppm	MF	17-AUG-01	180	6020
			AS	0.013	ppm	MF	21-AUG-01	180	6020
			AS (D)	0.013	ppm	MF	21-AUG-01	180	6020
			CA	158.	ppm	EH	03-AUG-01	180	6010
			CD	<0.005	ppm	MF	17-AUG-01	180	6020
L011027-015	17-JUL-01	EPRI-0108-174	CD (D)	<0.005	ppm	MF	17-AUG-01	180	6020
			CL-	377.	ppm	JN	07-AUG-01	28	325.2
			CO3	<1.0	ppm CaCO3	DC	26-JUL-01		310.1
			COND.	2900.	umhos/cm2	BD	29-JUL-01	28	120.1
			CR	<0.010	ppm	MF	17-AUG-01	180	6020
			CR (D)	<0.010	ppm	MF	17-AUG-01	180	6020
			CU	<0.025	ppm	MF	17-AUG-01	180	6020
			CU (D)	<0.025	ppm	MF	17-AUG-01	14	6020
			F-	0.77	ppm	EH	17-AUG-01	28	340.2
			FE	0.12	ppm	EH	08-AUG-01	180	6010
			FE (D)	<0.10	ppm	EH	03-AUG-01	180	6010
			HCO3	226.	ppm	DC	26-JUL-01	14	310.1
			K	21.	ppm	EH	03-AUG-01	180	6010
			MG	66.	ppm	EH	03-AUG-01	180	6010
			NA	377.	ppm	JN	08-AUG-01	28	353.2
			NO2/NO3	8.7	ppm	MF	17-AUG-01	180	6020
			PB	<0.003	ppm	MF	17-AUG-01	180	6020
			PB (D)	<0.003	ppm	MF	17-AUG-01	180	6020
			PH	8.0	pH	DC	26-JUL-01		150.1
			SE	0.016	ppm	MF	17-AUG-01	180	6020
			SE (D)	0.016	ppm	MF	17-AUG-01	180	6020
			SO4=	876.	ppm	JH	09-AUG-01	28	9036
			TDS	2071.	ppm	BD	20-JUL-01	7	160.1
			TSS	2.2	ppm	BD	20-JUL-01		160.2
			ZN	0.032	ppm	MF	17-AUG-01	180	6020
			ZN (D)	0.026	ppm	MF	17-AUG-01	180	6020

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011027

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L011027-016	17-JUL-01	EPRI-0108-155	AS	0.012	ppm	MF	21-AUG-01	180	6020
			AS(D)	0.012	ppm	MF	21-AUG-01	180	6020
			CA	167.	ppm	EH	03-AUG-01	180	6010
			CD	<0.005	ppm	MF	17-AUG-01	180	6020
			CD(D)	<0.005	ppm	MF	17-AUG-01	180	6020
			CL	381.	ppm	JN	07-AUG-01	28	325.2
			CO3	<1.0	ppm	DC	26-JUL-01	11	310.1
			COND.	2930.	unthos/cm2	BD	29-JUL-01	28	120.1
			CR	<0.010	ppm	MF	17-AUG-01	180	6020
			CR(D)	<0.010	ppm	MF	17-AUG-01	180	6020
			CU	<0.025	ppm	MF	17-AUG-01	14	6020
			CU(D)	<0.025	ppm	MF	17-AUG-01	14	6020
			F-	0.73.	ppm	EH	26-JUL-01	28	340.2
			FE	<0.10	ppm	EH	08-AUG-01	180	6010
			FE(D)	<0.10	ppm	EH	03-AUG-01	180	6010
			HCO3	220.	ppm	DC	26-JUL-01	14	310.1
			K	18.	ppm	EH	03-AUG-01	180	6010
			MG	67.	ppm	EH	03-AUG-01	180	6010
			NA	382.	ppm	EH	03-AUG-01	180	6010
			NO2/NO3	9.2	ppm	JN	08-AUG-01	28	353.2
			PB	<0.003	ppm	MF	17-AUG-01	180	6020
			PB(D)	<0.003	ppm	MF	17-AUG-01	180	6020
			PH	8.0	pH	DC	26-JUL-01	150.1	
			SE	0.017.	ppm	MF	17-AUG-01	180	6020
			SE(D)	0.016	ppm	MF	21-AUG-01	180	6020
			SO4=	772.	ppm	JH	09-AUG-01	28	9036
			TDS	2092.	ppm	BD	20-JUL-01	7	160.1
			TSS	2.3	ppm	BD	20-JUL-01	160.2	
			ZN	0.023	ppm	MF	17-AUG-01	180	6020
			ZN(D)	<0.020	ppm	MF	17-AUG-01	180	6020
L011027-017	17-JUL-01	EPRI-0108-135	AS	0.028	ppm	MF	17-AUG-01	180	6020
			AS(D)	0.026	ppm	MF	21-AUG-01	180	6020
			CA	467.	ppm	EH	03-AUG-01	180	6010
			CD	<0.005	ppm	MF	17-AUG-01	180	6020
			CD(D)	<0.005	ppm	MF	17-AUG-01	180	6020
			CL-	389.	ppm	JN	07-AUG-01	28	325.2
			CO3	<1.0	ppm	DC	26-JUL-01	310.1	
			COND.	4280.	unthos/cm2	BD	29-JUL-01	28	120.1

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011027

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L011027-017	17-JUL-01	EPRI-0108-135	CR	<0.010	ppm	MF	17-AUG-01	180	6020
			CR(D)	<0.010	ppm	MF	17-AUG-01	180	6020
			CU	<0.025	ppm	MF	17-AUG-01	180	6020
			CU(D)	<0.025	ppm	MF	17-AUG-01	14	6020
			F-	0.75	ppm	EH	26-JUL-01	28	340.2
			FE	<0.10	ppm	EH	08-AUG-01	180	6010
			FE(D)	<0.10	ppm	EH	03-AUG-01	180	6010
			HCO3	201.	ppm	DC	26-JUL-01	14	310.1
			K	13.	ppm	CaCO3	03-AUG-01	180	6010
			MG	131.	ppm	EH	03-AUG-01	180	6010
			NA	476.	ppm	EH	03-AUG-01	180	6010
			NO2/NO3	15.	ppm	JN	08-AUG-01	28	353.2
			PB	<0.003	ppm	MF	17-AUG-01	180	6020
			PB(D)	<0.003	ppm	MF	17-AUG-01	180	6020
			PH	71.6	pH	DC	26-JUL-01	180	150.1
			SE	0.090	ppm	MF	17-AUG-01	180	6020
			SE(D)	0.096	ppm	MF	17-AUG-01	180	6020
			SO4=	1973.	ppm	JH	09-AUG-01	28	9036
			TDS	3668.	ppm	BD	20-JUL-01	7	160.1
			TSS	2.3	ppm	BD	20-JUL-01	160.2	
			ZN	0.025	ppm	MF	17-AUG-01	180	6020
			ZN(D)	0.020	ppm	MF	17-AUG-01	180	6020
L011027-018	17-JUL-01	EPRI-0108-136	AS	0.013	ppm	MF	17-AUG-01	180	6020
			AS(D)	0.011	ppm	MF	21-AUG-01	180	6020
			CA	299.	ppm	EH	03-AUG-01	180	6010
			CD	<0.005	ppm	MF	17-AUG-01	180	6020
			CD(D)	<0.005	ppm	MF	17-AUG-01	180	6020
			CL-	754.	ppm	JN	07-AUG-01	28	325.2
			CO3	<1.0	ppm	CaCO3	26-JUL-01	310.1	
			COND.	5320.	umhos/cm2	BD	29-JUL-01	28	120.1
			CR	<0.010	ppm	MF	17-AUG-01	180	6020
			CR(D)	<0.010	ppm	MF	17-AUG-01	180	6020
			CU	<0.025	ppm	MF	17-AUG-01	14	6020
			CU(D)	<0.025	ppm	MF	17-AUG-01	14	6020
			F-	0.68	ppm	EH	26-JUL-01	28	340.2
			FE	0.44	ppm	EH	08-AUG-01	180	6010
			FE(D)	<0.10	ppm	EH	03-AUG-01	180	6010
			HCO3	196.	ppm	CaCO3	26-JUL-01	14	310.1

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011027

LAB NO	DATE COMPLETED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L011027-018	17-JUL-01	EPRI-0108-136	K	17.	ppm	EH	03-AUG-01	180	6010
			MG	128.	ppm	EH	03-AUG-01	180	6010
			NA	816.	ppm	EH	03-AUG-01	180	6010
			NO2/NO3	35.	ppm	JN	08-AUG-01	28	353.2
			PB	<0.003	ppm	MF	17-AUG-01	180	6020
			PB(D)	<0.003	ppm	MF	17-AUG-01	180	6020
			PH	7.7	pH	DC	26-JUL-01	180	150.1
			SE	0.28	ppm	MF	17-AUG-01	180	6020
			SE(D)	0.28	ppm	MF	17-AUG-01	180	6020
			SO4=	1823.	ppm	JH	09-AUG-01	28	9036
			TDS	4097.	ppm	BD	20-JUL-01	7	160.1
			TSS	17.	ppm	BD	20-JUL-01	7	160.2
			ZN	<0.020	ppm	MF	17-AUG-01	180	6020
			ZN(D)	<0.020	ppm	MF	17-AUG-01	180	6020
			AS	0.022	ppm	MF	17-AUG-01	180	6020
			AS(D)	0.019	ppm	MF	21-AUG-01	180	6020
			CA	248.	ppm	EH	03-AUG-01	180	6010
			CD	<0.005	ppm	MF	17-AUG-01	180	6020
			CD(D)	<0.005	ppm	MF	17-AUG-01	180	6020
			CL-	400.	ppm	JN	07-AUG-01	28	325.2
L011027-019	17-JUL-01	EPRI-0108-171	CO3	<1.0	ppm	CaCO3	26-JUL-01	14	310.1
			COND.	4610.	umhos/cm2	BD	29-JUL-01	28	120.1
			CR	<0.010	ppm	MF	17-AUG-01	180	6020
			CR(D)	<0.010	ppm	MF	17-AUG-01	180	6020
			CU	<0.025	ppm	MF	17-AUG-01	180	6020
			CU(D)	<0.025	ppm	MF	17-AUG-01	180	6020
			F-	0.78	ppm	MF	17-AUG-01	14	6020
			FE	0.28	ppm	EH	26-JUL-01	28	340.2
			FE(D)	<0.10	ppm	EH	08-AUG-01	180	6010
			HCO3	233.	ppm	CaCO3	03-AUG-01	180	6010
			K	16.	ppm	EH	26-JUL-01	14	310.1
			MG	112.	ppm	EH	03-AUG-01	180	6010
			NA	745.	ppm	EH	03-AUG-01	180	6010
			NO2/NO3	11.	ppm	JN	08-AUG-01	28	353.2
			PB	0.004	ppm	MF	17-AUG-01	180	6020
			PB(D)	<0.003	ppm	MF	17-AUG-01	180	6020
			PH	7.8	pH	DC	26-JUL-01	180	150.1
			SE	0.11	ppm	MF	17-AUG-01	180	6020

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011027

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L011027-019	17-JUL-01	EPRI-0108-171	SE(D)	0.12	ppm	MF	17-AUG-01	180	6020
			SO4=	1802.	ppm	JH	03-AUG-01	28	9036
			TDS	3648.	ppm	BD	20-JUL-01	7	160.1
			TSS	9.5	ppm	BD	20-JUL-01		160.2
			ZN	0.069	ppm	MF	17-AUG-01	180	6020
			ZN(D)	0.028	ppm	MF	17-AUG-01	180	6020
			AS	<0.005	ppm	MF	17-AUG-01	180	6020
			AS(D)	<0.005	ppm	MF	17-AUG-01	180	6020
			CA	<1.0	ppm	EH	03-AUG-01	180	6010
			CD	<0.005	ppm	MF	17-AUG-01	180	6020
L011027-020	17-JUL-01	EPRI-0108-236	CD(D)	<0.005	ppm	MF	17-AUG-01	180	6020
			CL-	<1.0	ppm	JN	07-AUG-01	28	325.2
			CO3	<1.0	ppm CaCO3	DC	26-JUL-01		310.1
			COND.	<5.0	umhos/cm2	BD	29-JUL-01	28	120.1
			CR	<0.010	ppm	MF	17-AUG-01	180	6020
			CR(D)	<0.010	ppm	MF	17-AUG-01	180	6020
			CU	<0.025	ppm	MF	17-AUG-01	180	6020
			CU(D)	<0.025	ppm	MF	17-AUG-01	14	6020
			F-	<0.050	ppm	EH	26-JUL-01	28	340.2
			FE	<0.10	ppm	EH	08-AUG-01	180	6010
			FE(D)	<0.10	ppm	EH	03-AUG-01	180	6010
			HCO3	<1.0	ppm CaCO3	DC	26-JUL-01	14	310.1
			K	<2.0	ppm	EH	03-AUG-01	180	6010
			MG	<1.0	ppm	EH	03-AUG-01	180	6010
			NA	<2.0	ppm	JN	03-AUG-01	180	6010
			NO2/NO3	<0.050	ppm	JN	08-AUG-01	28	353.2
			PB	<0.003	ppm	MF	17-AUG-01	180	6020
			PB(D)	<0.003	ppm	MF	17-AUG-01	180	6020
			PH	5.6	pH	DC	26-JUL-01		150.1
			SE	<0.005	ppm	MF	17-AUG-01	180	6020
			SE(D)	<0.005	ppm	MF	17-AUG-01	180	6020
			SO4=	<2.0	ppm	MF	09-AUG-01	28	9036
			TDS	<10.	ppm	BD	20-JUL-01	7	160.1
			TSS	1.4	ppm	BD	20-JUL-01		160.2
			ZN	<0.020	ppm	MF	17-AUG-01	180	6020
			ZN(D)	<0.020	ppm	MF	17-AUG-01	180	6020
						MF	17-AUG-01	180	6020

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT


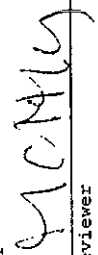
El Paso

Water and Solid Waste (Project 3220)

Batch No: L011027

LAB NO	DATE COMPLETED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
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PH is a field parameter therefore holding time cannot be met by the laboratory.
Digestion Methods for totals --- 3010 and 6020.


 Approved

 Reviewer

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: WG010789

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
WG010789-1		Matrix Spike	AS	96	\$Recovery	MF	17-AUG-01	6020	
			AS (D)	100	\$Recovery	MF	17-AUG-01	6020	
			CD	98	\$Recovery	MF	17-AUG-01	6020	
			CD (D)	96	\$Recovery	MF	17-AUG-01	6020	
			CL-	98	\$Recovery	JN	07-AUG-01	325.2	
			CR	93	\$Recovery	MF	17-AUG-01	6020	
			CR (D)	102	\$Recovery	MF	17-AUG-01	6020	
			CU	93	\$Recovery	MF	17-AUG-01	6020	
			CU (D)	96	\$Recovery	MF	17-AUG-01	6020	
			F-	103	\$Recovery	EH	26-JUL-01	340.2	
			FE	101	\$Recovery	EH	08-AUG-01	6010	
			FE (D)	94	\$Recovery	EH	03-AUG-01	6010	
			NO2/NO3	104	\$Recovery	JN	08-AUG-01	353.2	
			PB	103	\$Recovery	MF	17-AUG-01	6020	
			PB (D)	98	\$Recovery	MF	17-AUG-01	6020	
			SE	83	\$Recovery	MF	17-AUG-01	6020	
			SE (D)	100	\$Recovery	MF	17-AUG-01	6020	
			SO4=	97	\$Recovery	EH	09-AUG-01	9036	
			ZN	79	\$Recovery	MF	17-AUG-01	6020	
			ZN (D)	94	\$Recovery	MF	17-AUG-01	6020	
			AS	<0.005	ppm	MF	17-AUG-01	6020	
			AS (D)	<0.005	ppm	MF	17-AUG-01	6020	
			CA	<1.0	ppm	EH	03-AUG-01	6010	
			CD	<0.005	ppm	MF	17-AUG-01	6020	
			CD (D)	<0.005	ppm	MF	17-AUG-01	6020	
			CL-	<1.0	ppm	JN	07-AUG-01	325.2	
			CO3	<1.0	ppm CaCO3	DC	26-JUL-01	310.1	
			COND.	<5.0	umhos/cm2	BD	29-JUL-01	120.1	
			CR	<0.010	ppm	MF	17-AUG-01	6020	
			CR (D)	<0.010	ppm	MF	17-AUG-01	6020	
			CU	<0.025	ppm	MF	17-AUG-01	6020	
			CU (D)	<0.025	ppm	MF	17-AUG-01	6020	
WG010789-2		Prep Blank	F-	<0.050	ppm	EH	26-JUL-01	340.2	
			FE	<0.10	ppm	EH	08-AUG-01	6010	
			FE (D)	<0.10	ppm	EH	03-AUG-01	6010	
			HCO3	<1.0	ppm CaCO3	DC	26-JUL-01	310.1	
			K	<2.0	ppm	EH	03-AUG-01	6010	
			MG	<1.0	ppm	EH	03-AUG-01	6010	
			AS	<0.005	ppm	MF	17-AUG-01	6020	
			AS (D)	<0.005	ppm	MF	17-AUG-01	6020	
			CA	<1.0	ppm	EH	03-AUG-01	6010	
			CD	<0.005	ppm	MF	17-AUG-01	6020	
			CD (D)	<0.005	ppm	MF	17-AUG-01	6020	
			CL-	<1.0	ppm	JN	07-AUG-01	325.2	

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: WG010789

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
WG010789-2		Prep Blank	NA	<2.0	ppm	EH	03-AUG-01		6010
			NO2/NO3	<0.050	ppm	JN	08-AUG-01		353.2
			PB	<0.003	ppm	MF	17-AUG-01		6020
			PB(D)	<0.003	ppm	MF	17-AUG-01		6020
			SE	<0.005	ppm	MF	17-AUG-01		6020
			SE(D)	<0.005	ppm	MF	17-AUG-01		6020
			SO4=	<2.0	ppm	EH	09-AUG-01		9036
			TDS	<10	ppm	BD	20-JUL-01		160.1
			TSS	<1.0	ppm	BD	20-JUL-01		160.2
			ZN	<0.020	ppm	MF	17-AUG-01		6020
			ZN(D)	<0.020	ppm	MF	17-AUG-01		6020
			AS	118	ppm	MF	17-AUG-01		6020
			AS(D)	103	ppm	MF	17-AUG-01		6020
			CA	98	ppm	EH	03-AUG-01		6010
			CD	101	ppm	MF	17-AUG-01		6020
WG010789-3		Lab Control Sample	CD(D)	102	ppm	MF	17-AUG-01		6020
			CL	100	ppm	MF	17-AUG-01		6020
			COND	100	ppm	JN	07-AUG-01		325.2
			CR	100	ppm	BD	29-JUL-01		120.1
			CR(D)	100	ppm	MF	17-AUG-01		6020
			CU	98	ppm	MF	17-AUG-01		6020
			CU(D)	98	ppm	MF	17-AUG-01		6020
			F	93	ppm	EH	26-JUL-01		340.2
			FE	98	ppm	EH	08-AUG-01		6010
			FE(D)	98	ppm	EH	03-AUG-01		6010
			HCO3	98	ppm	DC	26-JUL-01		310.1
			K	100	ppm	EH	03-AUG-01		6010
			MG	98	ppm	EH	03-AUG-01		6010
			NA	100	ppm	EH	03-AUG-01		6010
			NO2/NO3	106	ppm	JN	08-AUG-01		353.2
			PB	102	ppm	MF	17-AUG-01		6020
			PB(D)	102	ppm	MF	17-AUG-01		6020
			SE	100	ppm	MF	17-AUG-01		6020
			SE(D)	111	ppm	MF	17-AUG-01		6020
			SO4=	101	ppm	EH	09-AUG-01		9036
			TDS	102	ppm	BD	20-JUL-01		160.1
			TSS	104	ppm	BD	20-JUL-01		160.2
			ZN	101	ppm	MF	17-AUG-01		6020

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: WG010789

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
WG010789-3		Lab Control Sample							
WG010789-4		Duplicate	ZN(D)	108	% Recovery	MF	17-AUG-01		6020
			CL-	1.9	% RPD	JN	07-AUG-01		325.2
			CO3	<1	% RPD	DC	26-JUL-01		310.1
			COND.	<1	% RPD	BD	29-JUL-01		120.1
			F-	6.8	% RPD	EH	26-JUL-01		340.2
			HCO3	<1	% RPD	DC	26-JUL-01		310.1
			SO4=	3.8	% RPD	EH	09-AUG-01		9036
			TDS	<1	% RPD	BD	20-JUL-01		150.1
			TSS	3.8	% RPD	BD	20-JUL-01		160.2
WG010789-5		Matrix Spike Duplicate	AS	<1	% RPD	MF	17-AUG-01		6020
			AS(D)	<1	% RPD	MF	17-AUG-01		6020
			CA	<1	% RPD	EH	03-AUG-01		6010
			CD	2.6	% RPD	MF	17-AUG-01		6020
			CD(D)	<1	% RPD	MF	17-AUG-01		6020
			CR	1.0	% RPD	MF	17-AUG-01		6020
			CR(D)	<1	% RPD	MF	17-AUG-01		6020
			CU	<1	% RPD	MF	17-AUG-01		6020
			CU(D)	<1	% RPD	MF	17-AUG-01		6020
			FE	2.8	% RPD	MF	17-AUG-01		6020
			FE(D)	2.2	% RPD	EH	08-AUG-01		6010
			K	<1	% RPD	EH	03-AUG-01		6010
			MG	1.5	% RPD	EH	03-AUG-01		6010
			NA	1.7	% RPD	EH	03-AUG-01		6010
			NO2/NO3	1.6	% RPD	EH	03-AUG-01		6010
			PB	2.7	% RPD	JN	08-AUG-01		353.2
			PB(D)	<1	% RPD	MF	17-AUG-01		6020
			SE	1.2	% RPD	MF	17-AUG-01		6020
			SE(D)	<1	% RPD	MF	17-AUG-01		6020
			ZN	<1	% RPD	MF	17-AUG-01		6020
			ZN(D)	<1	% RPD	MF	17-AUG-01		6020
WG010789-6		Reporting Limit	AS	0.005	ppm				6020
			AS(D)	0.005	ppm				6020
			CA	1.0	ppm				6010
			CD	0.005	ppm				6020
			CD(D)	0.005	ppm				6020
			CL-	1.0	ppm				325.2

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: WG010789

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
WG010789-6		Reporting Limit	CO3	1.0	ppm CaCO3				310.1
			COND.	5.0	umhos/cm2				120.1
			CR	0.010	ppm				6020
			CR (D)	0.010	ppm				6020
			CU	0.025	ppm				6020
			CU (D)	0.025	ppm				6020
			F-	0.050	ppm				340.2
			FE	0.10	ppm				6010
			FE (D)	0.10	ppm				6010
			HCO3	1.0	ppm CaCO3				310.1
			K	2.0	ppm				6010
			MG	1.0	ppm				6010
			NA	2.0	ppm				6010
			NO2/NO3	0.050	ppm				353.2
			PB	0.003	ppm				6020
			PB (D)	0.003	ppm				6020
			SE	0.005	ppm				6020
			SE (D)	0.005	ppm				6020
			SO4=	2.0	ppm				9036
			TDS	10.	ppm				160.1
WG010789-7		Matrix Spike	TSS	1.0	ppm				160.2
			ZN	0.020	ppm				6020
			ZN (D)	0.020	ppm				6020
			AS	94	%Recovery	EH	08-AUG-01		6010
			AS (D)	97	%Recovery	EH	03-AUG-01		6010
			CD	94	%Recovery	EH	08-AUG-01		6010
			CR	95	%Recovery	EH	08-AUG-01		6010
			CU	101	%Recovery	EH	08-AUG-01		6010
			PB	96	%Recovery	EH	08-AUG-01		6010
			ZN	93	%Recovery	EH	08-AUG-01		6010
WG010789-8		Prep Blank	ZN (D)	92	%Recovery	EH	03-AUG-01		6010
			AS	<0.020	ppm	EH	08-AUG-01		6010
			AS (D)	<0.020	ppm	EH	03-AUG-01		6010
			CD	<0.005	ppm	EH	08-AUG-01		6010
			CR	<0.010	ppm	EH	08-AUG-01		6010
			CU	<0.025	ppm	EH	08-AUG-01		6010

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: WG010789

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DATE	METHOD
WG010789-8		Prep Blank	ZN	<0.020	ppm	EH	08-AUG-01		6010
			ZN(D)	<0.020	ppm	EH	03-AUG-01		6010
WG010789-9		Lab Control Sample	AS	95	%Recovery	EH	08-AUG-01		6010
			AS(D)	98	%Recovery	EH	03-AUG-01		6010
			CD	95	%Recovery	EH	08-AUG-01		6010
			CR	98	%Recovery	EH	08-AUG-01		6010
			CU	100	%Recovery	EH	08-AUG-01		6010
			PB	98	%Recovery	EH	08-AUG-01		6010
			ZN	95	%Recovery	EH	08-AUG-01		6010
			ZN(D)	98	%Recovery	EH	03-AUG-01		6010
WG010789-11		Matrix Spike Duplicate	AS	2.8	% RPD	EH	08-AUG-01		6010
			AS(D)	1.2	% RPD	EH	03-AUG-01		6010
			CD	<1	% RPD	EH	08-AUG-01		6010
			CR	2.6	% RPD	EH	08-AUG-01		6010
			CU	<1	% RPD	EH	08-AUG-01		6010
			PB	<1	% RPD	EH	08-AUG-01		6010
			ZN	1.6	% RPD	EH	08-AUG-01		6010
			ZN(D)	2.1	% RPD	EH	03-AUG-01		6010

[Signature]

Approved

[Signature]

Reviewer

CHAIN OF CUSTODY RECORD

3275 W. Ina Rd., Ste. 205 • Tucson, AZ 85741 • (520) 544-3150 • FAX (520) 544-3190
P.O. Box 220182, El Paso, TX 79913 • (915) 532-3489 • FAX (915) 532-4897

PROJ. NO.		PROJECT NAME		NO. OF CONTAINERS	COMMONS UF/RAW	Nutrients UF/H ₂ SO ₄	Diss. Metal F/HNO ₃	CN UF/NaOH	Total Metals UF/HNO ₃	Total Recoverable Metals UF/HNO ₃	BTX	TPH	REMARK
DATE	TIME	COMP.	GRAB										
1246 v2		ASARCO - EL PASO, TX											
SAMPLERS: (Signature) <i>Douglas M. Jolan</i>													
7-16-01	1200				4	X	X	X	X	X			
	1245				4	X	X	X	X	X			
	1315				4	X	X	X	X	X			
	1330				4	X	X	X	X	X			
	1350				4	X	X	X	X	X			
	1400				4	X	X	X	X	X			
	1420				4	X	X	X	X	X			
	1445				4	X	X	X	X	X			
	1515				4	X	X	X	X	X			
	1530				4	X	X	X	X	X			
7-17-01	845				4	X	X	X	X	X			
	850				4	X	X	X	X	X			
	915				4	X	X	X	X	X			
	940				4	X	X	X	X	X			
	1000				4	X	X	X	X	X			
Relinquished (Signature)		Date/Time		Received by: (Signature)		Lab		P.O. #		Shipped via: Bus, FedEx, UPS		Other	
<i>[Signature]</i>		7/17/01 1600		<i>[Signature]</i>		TSC - SLC, TX						Air Bill #	
Relinquished (Signature)		Date/Time		Received by: (Signature)		Remarks							
<i>[Signature]</i>				<i>[Signature]</i>		TSC - SLC, TX							
Relinquished (Signature)		Date/Time		Received for Laboratory by: (Signature)		Date/Time							
<i>[Signature]</i>				<i>[Signature]</i>		7-18-01 0850							

Enclosed: ☒ Parameter sheet w/detection limits
☐ QA/QC standard mixing instructions ☒ Cover letter
☐ Other

Split Samples: ☐ Accepted ☐ Declined

Signature _____

Return results & electronic copy to: _____
 Computer Dept at address of test of record

HF 1-4/95

CHAIN CUSTODY RECORD

3275 W. Ina Rd., Ste. 205 • Tucson, AZ 85741 • (520) 544-3150 • FAX (520) 544-3190
 P.O. Box 220182, El Paso, TX 79913 • (915) 532-3489 • FAX (915) 532-4897

PROJ. NO.		PROJECT NAME		NO. OF CONTAINERS		ANALYSIS										REMARKS	
DATE	TIME	GRAB	COMP	SAMPLE NUMBER	COMMONS UF/RAW	NUTRIENTS UF/H ₂ SO ₄	DISS. METAL F/HNO ₃	CN UF/NaOH	TOTAL METALS UF/HNO ₃	TOTAL RECOVERABLE METALS UF/HNO ₃	BTX	TPH	REMARKS				
7-17-01	1320			EPR1-0108-174	X	X	X	X	X	X			<div>Shipped via: <input checked="" type="checkbox"/> Bus, <input checked="" type="checkbox"/> Fed Ex, <input type="checkbox"/> UPS</div> <div>Other: _____</div> <div>Air Bill # _____</div>				
	1400			EPR1-0108-155	X	X	X	X	X								
	1430			EPR1-0108-135	X	X	X	X	X								
	1520			EPR1-0108-136	X	X	X	X	X								
	1530			EPR1-0108-171	X	X	X	X	X								
	1600			EPR1-0108-236	X	X	X	X	X								
<div>Relinquished (Signature) _____</div> <div>Date/Time _____</div>														P.O. # _____			
<div>Relinquished (Signature) _____</div> <div>Date/Time _____</div>														Lab _____			
<div>Relinquished (Signature) _____</div> <div>Date/Time _____</div>														Remarks _____			
<div>Relinquished (Signature) _____</div> <div>Date/Time _____</div>														<div>Enclosed: <input checked="" type="checkbox"/> Parameter sheet w/ detection limits</div> <div><input type="checkbox"/> QA/QC standard mixing instructions</div> <div><input checked="" type="checkbox"/> Cover letter</div>			

HF0RM-1-4/95

Return results & electronic copy to:

Computer Dept at address at top of page

Split Samples:

☐ Accepted ☐ Declined

Signature

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011103

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE		HOLD
							APPLIED	DAVS	
L011103-001	25-JUL-01	EPRI-0108-151	AS	2.2	ppm	MF	30-AUG-01	180	6020
			AS (D)	2.1	ppm	MF	30-AUG-01	180	6020
			CA	104.	ppm	EH	28-AUG-01	180	6010
			CD	<0.005	ppm	MF	30-AUG-01	180	6020
			CD (D)	<0.005	ppm	MF	30-AUG-01	180	6020
			CL	273.	ppm	JN	20-AUG-01	28	325.2
			CO3	<1.0	ppm CaCO3	DC	02 AUG 01		310.1
			COND	3190.	umhos/cm2	EH	03-AUG-01	28	120.1
			CR	<0.010	ppm	MF	30-AUG-01	180	6020
			CR (D)	<0.010	ppm	MF	30-AUG-01	180	6020
			CU	<0.025	ppm	MF	30-AUG-01	180	6020
			CU (D)	<0.025	ppm	MF	30-AUG-01	180	6020
			F-	3.1	ppm	EH	02-AUG-01	28	340.2
			FE	<0.10	ppm	EH	28-AUG-01	180	6010
			FE (D)	<0.10	ppm	EH	28-AUG-01	180	6010
			HCO3	309.	ppm CaCO3	DC	02-AUG-01	14	310.1
			K	30.	ppm	EH	28-AUG-01	180	6010
			MG	52.	ppm	EH	28-AUG-01	180	6010
			NA	546.	ppm	EH	28-AUG-01	180	6010
			NO2/NO3	8.7	ppm	JN	17-AUG-01	28	353.2
			PB	<0.003	ppm	MF	30-AUG-01	180	6020
			PB (D)	<0.003	ppm	MF	30-AUG-01	180	6020
			PH	7.8	pH	DC	02-AUG-01		150.1
			SE	0.14	ppm	MF	30-AUG-01	180	6020
			SE (D)	0.13	ppm	MF	30-AUG-01	180	6020
			SO4=	1061.	ppm	JN	16-AUG-01	28	9036
			TDS	2209.	ppm	BD	01-AUG-01	7	160.1
			TSS	<1.0	ppm	BD	01-AUG-01		160.2
			ZN	<0.020	ppm	MF	30-AUG-01	180	6020
			ZN (D)	<0.020	ppm	MF	30-AUG-01	180	6020
L011103-002	25-JUL-01	EPRI-0108-152	AS	0.011	ppm	MF	30-AUG-01	180	6020
			AS (D)	0.013	ppm	MF	30-AUG-01	180	6020
			CA	38.	ppm	EH	28-AUG-01	180	6010
			CD	<0.005	ppm	MF	30-AUG-01	180	6020
			CD (D)	<0.005	ppm	MF	30-AUG-01	180	6020
			CL	258.	ppm	JN	20-AUG-01	28	325.2
			CO3	<1.0	ppm CaCO3	DC	02-AUG-01		310.1
			COND.	2620.	umhos/cm2	EH	03-AUG-01	28	120.1

ANALYTICAL DATA REPORT

Page 13 of 13

Water and Solid Waste (Project 3220)

Batch No: L011103

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L011103-002	25-JUL-01	EPRI-0108-152	CR	<0.010	ppm	MF	30-AUG-01	180	6020
			CR (D)	<0.010	ppm	MF	30-AUG-01	180	6020
			CU	<0.025	ppm	MF	30-AUG-01	180	6020
			CU (D)	<0.025	ppm	MF	30-AUG-01	14	6020
			F-	2.6	ppm	EH	02-AUG-01	28	340.2
			FE	0.20	ppm	EH	28-AUG-01	180	6010
			FE (D)	<0.10	ppm	EH	28-AUG-01	180	6010
			HCO3	288.	ppm	CaCO3	02-AUG-01	14	310.1
			K	9.1	ppm	EH	28-AUG-01	180	6010
			MG	30.	ppm	EH	28-AUG-01	180	6010
			NA	500.	ppm	EH	28-AUG-01	180	6010
			NO2/NO3	7.0	ppm	JN	17-AUG-01	28	353.2
			PB	<0.003	ppm	MF	30-AUG-01	180	6020
			PB (D)	<0.003	ppm	MF	30-AUG-01	180	6020
			PH	8.1	pH	DC	02-AUG-01	150.1	
			SE	0.032	ppm	MF	30-AUG-01	180	6020
			SE (D)	0.031	ppm	MF	30-AUG-01	180	6020
			SO4=	679.	ppm	JN	16-AUG-01	28	9036
			TDS	1702.	ppm	BD	01-AUG-01	7	160.1
			TSS	7.9	ppm	BD	01-AUG-01	160.2	
			ZN	0.023	ppm	MF	30-AUG-01	180	6020
			ZN (D)	<0.020	ppm	MF	30-AUG-01	180	6020
			AS	1.2	ppm	MF	30-AUG-01	180	6020
			AS (D)	1.2	ppm	MF	30-AUG-01	180	6020
			CA	50.	ppm	EH	28-AUG-01	180	6010
			CD	<0.005	ppm	MF	30-AUG-01	180	6020
			CD (D)	<0.005	ppm	MF	30-AUG-01	180	6020
			CL-	323.	ppm	JN	20-AUG-01	28	325.2
			CO3	<1.0	ppm	CaCO3	02-AUG-01	310.1	
			COND.	3410.	umhos/cm2	EH	03-AUG-01	28	120.1
			CR	<0.010	ppm	MF	30-AUG-01	180	6020
			CR (D)	<0.010	ppm	MF	30-AUG-01	180	6020
			CU	<0.025	ppm	MF	30-AUG-01	180	6020
			CU (D)	<0.025	ppm	MF	30-AUG-01	14	6020
			F-	2.4	ppm	MF	30-AUG-01	14	6020
			FE	0.48	ppm	EH	02-AUG-01	28	340.2
			FE (D)	<0.10	ppm	EH	28-AUG-01	180	6010
			HCO3	376.	ppm	CaCO3	02-AUG-01	14	310.1
L011103-003	25-JUL-01	EPRI-0108-172							

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011103

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L011103-003	25-JUL-01	EPRI-0108-172	K	6.7	ppm	EH	28-AUG-01	180	6010
			MG	49.	ppm	EH	28-AUG-01	180	6010
			NA	657.	ppm	EH	28-AUG-01	180	6010
			NO2/NO3	8.0	ppm	JN	17-AUG-01	28	353.2
			PB	0.003	ppm	MF	30-AUG-01	180	6020
			PB(D)	<0.003	ppm	MF	30-AUG-01	180	6020
			PH	8.0	pH	DC	02-AUG-01	180	150.1
			SE	0.045	ppm	MF	30-AUG-01	180	6020
			SE(D)	0.045	ppm	MF	30-AUG-01	180	6020
			SO4	1043.	ppm	JN	16-AUG-01	28	9036
			TDS	2353.	ppm	BD	01-AUG-01	7	160.1
			TSS	12.	ppm	BD	01-AUG-01	180	6020
			ZN	0.023	ppm	MF	30-AUG-01	180	6020
			ZN(D)	<0.020	ppm	MF	30-AUG-01	180	6020
			AS	0.026	ppm	MF	30-AUG-01	180	6020
			AS(D)	0.033	ppm	MF	30-AUG-01	180	6020
			CA	88.	ppm	EH	28-AUG-01	180	6010
			CD	<0.005	ppm	MF	30-AUG-01	180	6020
			CD(D)	<0.005	ppm	MF	30-AUG-01	180	6020
			CL	366.	ppm	JN	20-AUG-01	28	325.2
L011103-004	25-JUL-01	EPRI-0108-173	CO3	<1.0	ppm	DC	02-AUG-01	180	310.1
			COND.	3890.	umhos/cm2	EH	03-AUG-01	28	120.1
			CR	<0.010	ppm	MF	30-AUG-01	180	6020
			CR(D)	<0.010	ppm	MF	30-AUG-01	180	6020
			CU	<0.025	ppm	MF	30-AUG-01	180	6020
			CU(D)	<0.025	ppm	MF	30-AUG-01	14	6020
			F-	2.4	ppm	EH	02-AUG-01	28	340.2
			FE	0.28	ppm	EH	28-AUG-01	180	6010
			FE(D)	<0.10	ppm	EH	28-AUG-01	180	6010
			HCO3	317.	ppm	DC	02-AUG-01	14	310.1
			K	18.	ppm	EH	28-AUG-01	180	6010
			MG	69.	ppm	EH	28-AUG-01	180	6010
			NA	708.	ppm	EH	28-AUG-01	180	6010
			NO2/NO3	8.5	ppm	JN	17-AUG-01	28	353.2
			PB	<0.003	ppm	MF	30-AUG-01	180	6020
			PB(D)	<0.003	ppm	MF	30-AUG-01	180	6020
			PH	7.8	pH	DC	02-AUG-01	180	150.1
			SE	0.070	ppm	MF	30-AUG-01	180	6020

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011103

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L011103-004	25-JUL-01	EPRI-0108-173	SE (D)	0.067	ppm	MF	30-AUG-01	180	6020
			SO4=	1316.	ppm	JN	16-AUG-01	28	9036
			TDS	2732.	ppm	BD	01-AUG-01	7	160.1
			TSS	14.	ppm	BD	01-AUG-01		160.2
			ZN	0.023	ppm	MF	30-AUG-01	180	6020
			ZN (D)	<0.020	ppm	MF	30-AUG-01	180	6020
			AS	2.2	ppm	MF	30-AUG-01	180	6020
			AS (D)	2.2	ppm	MF	30-AUG-01	180	6020
			CA	129.	ppm	EH	28-AUG-01	180	6010
			CD	<0.005	ppm	MF	30-AUG-01	180	6020
L011103-005	27-JUL-01	EPRI-0108-183	CD (D)	<0.005	ppm	MF	30-AUG-01	180	6020
			CL-	296.	ppm	MF	30-AUG-01	180	6020
			CO3	<1.0	ppm	JN	20-AUG-01	28	325.2
			COND.	3510.	ppm	DC	02-AUG-01		310.1
			CR	<0.010	unthos/cm2	EH	03-AUG-01	28	120.1
			CR (D)	<0.010	ppm	MF	30-AUG-01	180	6020
			CU	<0.025	ppm	MF	30-AUG-01	180	6020
			CU (D)	<0.025	ppm	MF	30-AUG-01		6020
			F-	3.6	ppm	MF	30-AUG-01	14	6020
			FE	<0.10	ppm	EH	02-AUG-01	28	340.2
			FE (D)	<0.10	ppm	EH	28-AUG-01	180	6010
			HCO3	320.	ppm	EH	28-AUG-01	180	6010
			K	57.	ppm	DC	02-AUG-01	14	310.1
			MG	52.	ppm	EH	28-AUG-01	180	6010
			NA	596.	ppm	EH	28-AUG-01	180	6010
			NO2/NO3	3.9	ppm	JN	17-AUG-01	28	353.2
			PB	<0.003	ppm	MF	30-AUG-01	180	6020
			PB (D)	<0.003	ppm	MF	30-AUG-01	180	6020
			PH	7.7	pH	DC	02-AUG-01		150.1
			SE	0.28	ppm	MF	30-AUG-01	180	6020
			SE (D)	0.26	ppm	MF	30-AUG-01	180	6020
			SO4=	1166.	ppm	JN	16-AUG-01	28	9036
			TDS	2520.	ppm	BD	01-AUG-01	7	160.1
			TSS	1.7	ppm	BD	01-AUG-01		160.2
			ZN	0.048	ppm	MF	30-AUG-01	180	6020
			ZN (D)	0.046	ppm	MF	30-AUG-01	180	6020

ASARCO TECHNICAL SERVICES CENTER
ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011103

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L011103-006	27-JUL-01	EPRI-0108-186	AS	2.3	ppm	MF	30-AUG-01	180	6020
			AS(D)	2.2	ppm	MF	30-AUG-01	180	6020
			CA	124.	ppm	EH	28-AUG-01	180	6010
			CD	<0.005	ppm	MF	30-AUG-01	180	6020
			CD(D)	<0.005	ppm	MF	30-AUG-01	180	6020
			CL-	295.	ppm	JN	20-AUG-01	28	325.2
			CO3	<1.0	ppm	DC	02-AUG-01	180	310.1
			COND.	3410.	umhos/cm2	EH	03-AUG-01	28	120.1
			CR	<0.010	ppm	MF	30-AUG-01	180	6020
			CR(D)	<0.010	ppm	MF	30-AUG-01	180	6020
			CU	<0.025	ppm	MF	30-AUG-01	180	6020
			CU(D)	<0.025	ppm	MF	30-AUG-01	14	6020
			F-	3.5	ppm	EH	02-AUG-01	28	340.2
			FE	<0.10	ppm	EH	28-AUG-01	180	6010
			FE(D)	<0.10	ppm	EH	28-AUG-01	180	6010
			HCO3	303.	ppm	DC	02-AUG-01	14	310.1
			K	47.	ppm	EH	28-AUG-01	180	6010
			MG	57.	ppm	EH	28-AUG-01	180	6010
			NA	568.	ppm	EH	28-AUG-01	180	6010
			NO2/NO3	6.4	ppm	JN	17-AUG-01	28	353.2
			PB	<0.003	ppm	MF	30-AUG-01	180	6020
			PB(D)	<0.003	ppm	MF	30-AUG-01	180	6020
			PH	7.8	PH	DC	02-AUG-01	180	150.1
			SE	0.19	ppm	MF	30-AUG-01	180	6020
			SE(D)	0.18	ppm	MF	30-AUG-01	180	6020
			SO4=	1120.	ppm	JN	16-AUG-01	28	9036
			TDS	2423.	ppm	BD	01-AUG-01	7	160.1
			TSS	2.6	ppm	BD	01-AUG-01	180	160.2
			ZN	0.079	ppm	MF	30-AUG-01	180	6020
			ZN(D)	0.079	ppm	MF	30-AUG-01	180	6020
L011103-007	25-JUL-01	EPRI-0108-187	AS	1.7	ppm	MF	30-AUG-01	180	6020
			AS(D)	1.7	ppm	MF	30-AUG-01	180	6020
			CA	50.	ppm	EH	28-AUG-01	180	6010
			CD	<0.005	ppm	MF	30-AUG-01	180	6020
			CD(D)	<0.005	ppm	MF	30-AUG-01	180	6020
			CL-	282.	ppm	JN	20-AUG-01	28	325.2
			CO3	<1.0	ppm	DC	02-AUG-01	28	310.1
			COND.	3080.	umhos/cm2	EH	03-AUG-01	28	120.1

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011103

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE	
							ANALYZED	HOLD
L011103-007	25-JUL-01	EPRI-0108-187	CR	<0.010	ppm	MF	30-AUG-01	180
			CR(D)	<0.010	ppm	MF	30-AUG-01	180
			CU	<0.025	ppm	MF	30-AUG-01	6020
			CU(D)	<0.025	ppm	MF	30-AUG-01	14
			F-	2.7	ppm	EH	02-AUG-01	28
			FE	0.72	ppm	EH	28-AUG-01	180
			FE(D)	<0.10	ppm	EH	28-AUG-01	180
			HCO3	277.	ppm	DC	02-AUG-01	14
			K	15.	ppm	EH	28-AUG-01	180
			MG	27.	ppm	EH	28-AUG-01	180
			NA	616.	ppm	EH	28-AUG-01	180
			NO2/NO3	5.2	ppm	JN	17-AUG-01	28
			PB	<0.003	ppm	MF	30-AUG-01	180
			PB(D)	<0.003	ppm	MF	30-AUG-01	180
			PH	8.1	pH	DC	02-AUG-01	150.1
			SE	0.074	ppm	MF	30-AUG-01	180
			SE(D)	0.073	ppm	MF	30-AUG-01	180
			SO4=	976.	ppm	JN	16-AUG-01	28
			TDS	2105.	ppm	BD	01-AUG-01	7
			TSS	37.	ppm	BD	01-AUG-01	160.1
			ZN	<0.020	ppm	MF	30-AUG-01	180
			ZN(D)	<0.020	ppm	MF	30-AUG-01	180
L011103-008	27-JUL-01	EPRI-0108-188	AS	9.8	ppm	EH	28-AUG-01	180
			AS(D)	10.	ppm	EH	28-AUG-01	180
			CA	76.	ppm	EH	28-AUG-01	180
			CD	<0.005	ppm	MF	30-AUG-01	180
			CD(D)	<0.005	ppm	MF	30-AUG-01	180
			CL-	475.	ppm	JN	20-AUG-01	28
			CO3	<1.0	ppm	DC	02-AUG-01	310.1
			COND.	4200.	umhos/cm2	EH	03-AUG-01	28
			CR	<0.010	ppm	MF	30-AUG-01	180
			CR(D)	<0.010	ppm	MF	30-AUG-01	180
			CU	<0.025	ppm	MF	30-AUG-01	6020
			CU(D)	<0.025	ppm	MF	30-AUG-01	14
			F-	5.0	ppm	MF	02-AUG-01	28
			FE	0.79	ppm	EH	28-AUG-01	180
			FE(D)	<0.10	ppm	EH	28-AUG-01	180
			HCO3	341.	ppm	DC	02-AUG-01	14
					ppm	CaCO3		
					ppm			
					ppm			
					ppm			

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011103

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE HOLD ANALYZED	DAYS METHOD
L011103-008	27-JUL-01	EPRI-0108-188	K	31.	ppm	EH	28-AUG-01	180
			MG	43.	ppm	EH	28-AUG-01	180
			NA	834.	ppm	EH	28-AUG-01	180
			NO2/NO3	0.56	ppm	JN	17-AUG-01	28
			PB	0.018	ppm	MF	30-AUG-01	180
			PS (D)	0.008	ppm	MF	30-AUG-01	180
			PH	8.0	pH	DC	02-AUG-01	150.1
			SE	0.005	ppm	MF	30-AUG-01	180
			SE (D)	0.005	ppm	MF	30-AUG-01	180
			SO4=	1292.	ppm	JN	16-AUG-01	28
			TDS	2887.	ppm	BD	01-AUG-01	7
			TSS	277.	ppm	BD	01-AUG-01	160.2
			ZN	0.044	ppm	MF	30-AUG-01	180
			ZN (D)	0.030	ppm	MF	30-AUG-01	180
			AS	0.16	ppm	MF	30-AUG-01	180
			AS (D)	0.13	ppm	MF	30-AUG-01	180
			CA	754.	ppm	EH	28-AUG-01	180
			CD	<0.005	ppm	MF	30-AUG-01	180
			CD (D)	<0.005	ppm	MF	30-AUG-01	180
			CL-	1220.	ppm	JN	20-AUG-01	28
L011103-009	26-JUL-01	EPRI-0108-194	CO3	<1.0	ppm	DC	02-AUG-01	310.1
			COND.	10410.	umhos/cm2	EH	03-AUG-01	28
			CR	<0.010	ppm	MF	30-AUG-01	180
			CR (D)	<0.010	ppm	MF	30-AUG-01	180
			CU	0.025	ppm	MF	30-AUG-01	6020
			CU (D)	<0.025	ppm	MF	30-AUG-01	14
			F-	0.68	ppm	EH	02-AUG-01	28
			FE	9.4	ppm	EH	28-AUG-01	180
			FE (D)	0.11	ppm	EH	28-AUG-01	180
			HCO3	625.	ppm	DC	02-AUG-01	14
			K	36.	ppm	EH	28-AUG-01	180
			MG	343.	ppm	EH	28-AUG-01	180
			NA	1465.	ppm	EH	28-AUG-01	180
			NO2/NO3	270.	ppm	JN	17-AUG-01	28
			PB	0.033	ppm	MF	30-AUG-01	180
			PB (D)	0.003	ppm	MF	30-AUG-01	180
			PH	7.4	pH	DC	02-AUG-01	150.1
			SE	0.22	ppm	MF	30-AUG-01	180

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011103

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L011103-009	26-JUL-01	EPRI-0108-194	SE(D)	01.24	ppm	MF	30-AUG-01	180	6020
			SO4=	2980.	ppm	JN	16-AUG-01	28	9036
			TDS	9022.	ppm	BD	01-AUG-01	7	160.1
			TSS	213.	ppm	BD	01-AUG-01		160.2
			ZN	0.072	ppm	MF	30-AUG-01	180	6020
			ZN(D)	0.053	ppm	MF	30-AUG-01	180	6020
			AS	1.3	ppm	MF	30-AUG-01	180	6020
			AS(D)	1.2	ppm	MF	30-AUG-01	180	6020
			CA	165.	ppm	EH	28-AUG-01	180	6010
			CD	0.005	ppm	MF	30-AUG-01	180	6020
L011103-010	26-JUL-01	EPRI-0108-195	CD(D)	<0.005	ppm	MF	30-AUG-01	180	6020
			CL-	437.	ppm	MF	30-AUG-01	180	6020
			CO3	<1.0	ppm	JN	20-AUG-01	28	325.2
			COND.	4420.	umhos/cm2	DC	02-AUG-01		310.1
			CR	<0.010	ppm	EH	03-AUG-01	28	120.1
			CR(D)	<0.010	ppm	MF	30-AUG-01	180	6020
			CU	0.028	ppm	MF	30-AUG-01	180	6020
			CU(D)	<0.025	ppm	MF	30-AUG-01		6020
			F-	2.4	ppm	MF	30-AUG-01	14	6020
			FE	3.0	ppm	EH	02-AUG-01	28	340.2
			FE(D)	<0.10	ppm	EH	28-AUG-01	180	6010
			HCO3	336.	ppm	EH	28-AUG-01	180	6010
			K	23.	ppm	DC	02-AUG-01	14	310.1
			MG	54.	ppm	EH	28-AUG-01	180	6010
			NA	790.	ppm	EH	28-AUG-01	180	6010
			NO2/NO3	8.8	ppm	JN	17-AUG-01	28	353.2
			PB	0.020	ppm	MF	30-AUG-01	180	6020
			PB(D)	<0.003	ppm	MF	30-AUG-01	180	6020
			PH	7.8	pH	DC	02-AUG-01		150.1
			SE	0.10	ppm	MF	30-AUG-01	180	6020
			SE(D)	0.099	ppm	MF	30-AUG-01	180	6020
			SO4=	1538.	ppm	JN	16-AUG-01	28	9036
			TDS	3248.	ppm	BD	01-AUG-01	7	160.1
			TSS	132.	ppm	BD	01-AUG-01		160.2
			ZN	0.048	ppm	MF	30-AUG-01	180	6020
			ZN(D)	0.024	ppm	MF	30-AUG-01	180	6020

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011103

LAB NO. DATE COLLECTED DESCRIPTION

L011103-011 27-JUL-01 EPRI-0108-196

PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
AS	2.0	ppm	MF	30-AUG-01	180	6020
AS(D)	1.9	ppm	MF	30-AUG-01	180	6020
CA	217	ppm	EH	28-AUG-01	180	6010
CD	<0.005	ppm	MF	30-AUG-01	180	6020
CD(D)	<0.005	ppm	MF	30-AUG-01	180	6020
CL	398	ppm	JN	20-AUG-01	28	325.2
CO3	<1.0	ppm	DC	02-AUG-01	310.1	
COND.	4000	umhos/cm2	EH	03-AUG-01	28	120.1
CR	<0.010	ppm	MF	30-AUG-01	180	6020
GR(D)	<0.010	ppm	MF	30-AUG-01	180	6020
CU	<0.025	ppm	MF	30-AUG-01	6020	
CU(D)	<0.025	ppm	MF	30-AUG-01	6020	
F	4.1	ppm	MF	30-AUG-01	14	6020
FE	0.76	ppm	EH	02-AUG-01	28	340.2
FE(D)	<0.10	ppm	EH	28-AUG-01	180	6010
HCO3	232	ppm	EH	28-AUG-01	180	6010
K	47	ppm	DC	02-AUG-01	14	310.1
MG	48	ppm	EH	28-AUG-01	180	6010
NA	620	ppm	EH	28-AUG-01	180	6010
NO2/NO3	13	ppm	JN	17-AUG-01	28	353.2
PB	<0.003	ppm	MF	30-AUG-01	180	6020
PB(D)	<0.003	ppm	MF	30-AUG-01	180	6020
PH	7.9	pH	DC	02-AUG-01	150.1	
SE	0.28	ppm	MF	30-AUG-01	180	6020
SE(D)	0.27	ppm	MF	30-AUG-01	180	6020
SO4	1460	ppm	JN	16-AUG-01	28	9036
TDS	2937	ppm	BD	01-AUG-01	7	160.1
TSS	59	ppm	SD	01-AUG-01	160.2	
ZN	0.021	ppm	MF	30-AUG-01	180	6020
ZN(D)	<0.020	ppm	MF	30-AUG-01	180	6020
AS	0.012	ppm	MF	30-AUG-01	180	6020
AS(D)	0.014	ppm	MF	30-AUG-01	180	6020
CA	37	ppm	EH	28-AUG-01	180	6010
CD	<0.005	ppm	MF	30-AUG-01	180	6020
CD(D)	<0.005	ppm	MF	30-AUG-01	180	6020
CL	297	ppm	JN	20-AUG-01	28	325.2
CO3	<1.0	ppm	DC	02-AUG-01	310.1	
COND.	2630	umhos/cm2	EH	03-AUG-01	28	120.1

L011103-012 25-JUL-01 EPRI-0108-245

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011103

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L011103-012	25-JUL-01	EPRI-0108-245	CR	<0.010	ppm	MF	30-AUG-01	180	6020
			CR(D)	<0.010	ppm	MF	30-AUG-01	180	6020
			CU	<0.025	ppm	MF	30-AUG-01		6020
			CU(D)	<0.025	ppm	MF	30-AUG-01	14	6020
			F-	21.6	ppm	EH	02-AUG-01	28	340.2
			FE	0.17	ppm	EH	28-AUG-01	180	6010
			FE(D)	<0.10	ppm	EH	28-AUG-01	180	6010
			HCO3	286.	ppm CaCO3	DC	02-AUG-01	14	310.1
			K	8.8	ppm	EH	28-AUG-01	180	6010
			MG	29.	ppm	EH	28-AUG-01	180	6010
			NA	496.	ppm	EH	28-AUG-01	180	6010
			NO2/NO3	6.6	ppm	JN	17-AUG-01	28	353.2
			PB	<0.003	ppm	MF	30-AUG-01	180	6020
			PB(D)	<0.003	ppm	MF	30-AUG-01	180	6020
			PH	8.0	pH	DC	02-AUG-01		150.1
			SE	0.033	ppm	MF	30-AUG-01	180	6020
			SE(D)	0.031	ppm	MF	30-AUG-01	180	6020
			SO4=	636.	ppm	JN	16-AUG-01	28	9036
			TDS	1695.	ppm	BD	01-AUG-01	7	160.1
			TSS	9.1	ppm	BD	01-AUG-01		160.2
			ZN	<0.020	ppm	MF	30-AUG-01	180	6020
			ZN(D)	<0.020	ppm	MF	30-AUG-01	180	6020
L011103-013	25-JUL-01	EPRI-0108-246	AS	<0.005	ppm	MF	30-AUG-01	180	6020
			AS(D)	<0.005	ppm	MF	30-AUG-01	180	6020
			CA	<1.0	ppm	EH	28-AUG-01	180	6010
			CD	<0.005	ppm	MF	30-AUG-01	180	6020
			CD(D)	<0.005	ppm	MF	30-AUG-01	180	6020
			CL-	<1.0	ppm	JN	20-AUG-01	28	325.2
			CO3	<1.0	ppm CaCO3	DC	02-AUG-01		310.1
			COND.	<5.0	umhos/cm2	EH	03-AUG-01	28	120.1
			CR	<0.010	ppm	MF	30-AUG-01	180	6020
			CR(D)	<0.010	ppm	MF	30-AUG-01	180	6020
			CU	<0.025	ppm	MF	30-AUG-01	180	6020
			CU(D)	<0.025	ppm	MF	30-AUG-01	180	6020
			F-	<0.050	ppm	MF	30-AUG-01	14	6020
			FE	<0.10	ppm	EH	02-AUG-01	28	340.2
			FE(D)	<0.10	ppm	EH	28-AUG-01	180	6010
			HCO3	<1.0	ppm CaCO3	DC	02-AUG-01	14	310.1

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011103

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L011103-013	25-JUL-01	EPRI-0108-246	K	<2.0	ppm	EH	28-AUG-01	180	6010
			MG	<1.0	ppm	EH	28-AUG-01	180	6010
			NA	<2.0	ppm	EH	28-AUG-01	180	6010
			NO2/NO3	<0.050	ppm	JN	17-AUG-01	28	353.2
			PB	<0.003	ppm	MF	30-AUG-01	180	6020
			PB(D)	<0.003	ppm	MF	30-AUG-01	180	6020
			PH	5.5	pH	DC	02-AUG-01	180	150.1
			SE	<0.005	ppm	MF	30-AUG-01	180	6020
			SE(D)	<0.005	ppm	MF	30-AUG-01	180	6020
			SO4=	<2.0	ppm	JN	16-AUG-01	28	9036
			TDS	<1.0	ppm	BD	01-AUG-01	7	160.1
			TSS	<1.0	ppm	BD	01-AUG-01	7	160.2
			ZN	<0.020	ppm	MF	30-AUG-01	180	6020
			ZN(D)	<0.020	ppm	MF	30-AUG-01	180	6020
			AS	0.16	ppm	MF	30-AUG-01	180	6020
			AS(D)	0.13	ppm	MF	30-AUG-01	180	6020
			CA	751.	ppm	EH	28-AUG-01	180	6010
			CD	<0.005	ppm	MF	30-AUG-01	180	6020
			CD(D)	<0.005	ppm	MF	30-AUG-01	180	6020
			CL-	1360.	ppm	JN	20-AUG-01	28	325.2
			CO3	<1.0	ppm	DC	02-AUG-01	180	310.1
			COND.	10450.	umhos/cm2	EH	03-AUG-01	28	120.1
			CR	<0.010	ppm	MF	30-AUG-01	180	6020
			CR(D)	<0.010	ppm	MF	30-AUG-01	180	6020
			CU	0.025	ppm	MF	30-AUG-01	180	6020
			CU(D)	<0.025	ppm	MF	30-AUG-01	180	6020
L011103-014	26-JUL-01	EPRI-0108-247	F-	0.62	ppm	MF	30-AUG-01	180	6020
			FE	9.9	ppm	MF	30-AUG-01	180	6020
			FE(D)	<0.10	ppm	EH	02-AUG-01	28	340.2
			HCO3	614.	ppm	EH	28-AUG-01	180	6010
			K	37.	ppm	DC	02-AUG-01	14	310.1
			MG	336.	ppm	EH	28-AUG-01	180	6010
			NA	1459.	ppm	EH	28-AUG-01	180	6010
			NO2/NO3	235.	ppm	JN	17-AUG-01	28	353.2
			PB	0.034	ppm	MF	30-AUG-01	180	6020
			PB(D)	0.003	ppm	MF	30-AUG-01	180	6020
			PH	7.0	pH	DC	02-AUG-01	180	150.1
			SE	0.23	ppm	MF	30-AUG-01	180	6020
			CaCO3	614.	ppm	DC	02-AUG-01	14	310.1
			CaCO3	37.	ppm	EH	28-AUG-01	180	6010
			CaCO3	336.	ppm	EH	28-AUG-01	180	6010
			CaCO3	1459.	ppm	EH	28-AUG-01	180	6010
			CaCO3	235.	ppm	JN	17-AUG-01	28	353.2

ASARCO TECHNICAL SERVICES CENTER
ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011103

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L011103-014	26-JUL-01	EPRI-0108-247	SE(D)	0.24	ppm	MF	30-AUG-01	180	6020
			SO4=	3142.	ppm	JN	16-AUG-01	28	9036
			TDS	9086.	ppm	BD	01-AUG-01	7	160.1
			TSS	175.	ppm	BD	01-AUG-01		160.2
			ZN	0.075	ppm	MF	30-AUG-01	180	6020
			ZN(D)	0.053	ppm	MF	30-AUG-01	180	6020
			AS	<0.005	ppm	MF	30-AUG-01	180	6020
			AS(D)	<0.005	ppm	MF	30-AUG-01	180	6020
			CA	<1.0	ppm	EH	28-AUG-01	180	6010
			CD	<0.005	ppm	MF	30-AUG-01	180	6020
L011103-015	26-JUL-01	EPRI-0108-248	CD(D)	<0.005	ppm	MF	30-AUG-01	180	6020
			CL-	<1.0	ppm	JN	20-AUG-01	28	325.2
			CO3	<1.0	ppm CaCO3	DC	02-AUG-01		310.1
			COND.	<5.0	umhos/cm2	EH	03-AUG-01	28	120.1
			CR	<0.010	ppm	MF	30-AUG-01	180	6020
			CR(D)	<0.010	ppm	MF	30-AUG-01	180	6020
			CU	<0.025	ppm	MF	30-AUG-01	180	6020
			CU(D)	<0.025	ppm	MF	30-AUG-01	14	6020
			F-	<0.050	ppm	EH	02-AUG-01	28	340.2
			FE	<0.10	ppm	EH	28-AUG-01	180	6010
			FE(D)	<0.10	ppm	EH	28-AUG-01	180	6010
			HCO3	<1.0	ppm CaCO3	DC	02-AUG-01	14	310.1
			K	<2.0	ppm	EH	28-AUG-01	180	6010
			MG	<1.0	ppm	EH	28-AUG-01	180	6010
			NA	<2.0	ppm	EH	28-AUG-01	180	6010
			NO2/NO3	<0.050	ppm	JN	17-AUG-01	28	353.2
			PB	<0.003	ppm	MF	30-AUG-01	180	6020
			PB(D)	<0.003	ppm	MF	30-AUG-01	180	6020
			PH	5.7	pH	DC	02-AUG-01		150.1
			SE	<0.005	ppm	MF	30-AUG-01	180	6020
			SE(D)	<0.005	ppm	MF	30-AUG-01	180	6020
			SO4=	<2.0	ppm	JN	16-AUG-01	28	9036
			TDS	<10.	ppm	BD	01-AUG-01	7	160.1
			TSS	<1.0	ppm	BD	01-AUG-01		160.2
			ZN	<0.020	ppm	MF	30-AUG-01	180	6020
			ZN(D)	<0.020	ppm	MF	30-AUG-01	180	6020

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011103

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS
L011103-016	27-JUL-01	EPRI-0108-249	AS	2.3	ppm	MF	30-AUG-01	180
			AS(D)	2.2	ppm	MF	30-AUG-01	180
			CA	125	ppm	EH	28-AUG-01	180
			CD	<0.005	ppm	MF	30-AUG-01	180
			CD(D)	<0.005	ppm	MF	30-AUG-01	180
			CL	304	ppm	JN	20-AUG-01	28
			CO3	<1.0	ppm CaCO3	DC	02-AUG-01	310.1
			COND.	3520	umhos/cm2	EH	03-AUG-01	120.1
			CR	<0.010	ppm	MF	30-AUG-01	180
			CR(D)	<0.010	ppm	MF	30-AUG-01	180
			CU	<0.025	ppm	MF	30-AUG-01	180
			CU(D)	<0.025	ppm	MF	30-AUG-01	180
			F	3.4	ppm	MF	30-AUG-01	14
			FE	<0.10	ppm	EH	02-AUG-01	28
			FE(D)	<0.10	ppm	EH	28-AUG-01	180
			HCO3	326	ppm	EH	28-AUG-01	180
			K	57	ppm CaCO3	DC	02-AUG-01	310.1
			MG	51	ppm	EH	28-AUG-01	180
			NA	596	ppm	EH	28-AUG-01	180
			NO2/NO3	6.2	ppm	JN	17-AUG-01	28
			PB	<0.003	ppm	MF	30-AUG-01	180
			PB(D)	<0.003	ppm	MF	30-AUG-01	180
			PH	7.8	pH	DC	02-AUG-01	150.1
			SE	0.28	ppm	MF	30-AUG-01	180
			SE(D)	0.26	ppm	MF	30-AUG-01	180
			SO4=	1223	ppm	JN	16-AUG-01	28
			TDS	2589	ppm	BD	01-AUG-01	7
			TSS	<1.0	ppm	BD	01-AUG-01	160.1
			ZN	0.051	ppm	MF	30-AUG-01	180
			ZN(D)	0.048	ppm	MF	30-AUG-01	180
L011103-017	27-JUL-01	EPRI-0108-250	AS	<0.005	ppm	MF	30-AUG-01	180
			AS(D)	<0.005	ppm	MF	30-AUG-01	180
			CA	<1.0	ppm	EH	28-AUG-01	180
			CD	<0.005	ppm	MF	30-AUG-01	180
			CD(D)	<0.005	ppm	MF	30-AUG-01	180
			CL	<1.0	ppm	JN	20-AUG-01	28
			CO3	<1.0	ppm CaCO3	DC	02-AUG-01	310.1
			COND.	<5.0	umhos/cm2	EH	03-AUG-01	28

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011103

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L011103-017	27-JUL-01	EPRI-0108-250	CR	<0.010	ppm	MF	30-AUG-01	180	6020
			CR(D)	<0.010	ppm	MF	30-AUG-01	180	6020
			CU	<0.025	ppm	MF	30-AUG-01	6020	
			CU(D)	<0.025	ppm	MF	30-AUG-01	14	6020
			F-	<0.050	ppm	EH	02-AUG-01	28	340.2
			FE	<0.10	ppm	EH	28-AUG-01	180	6010
			FE(D)	<0.10	ppm	EH	28-AUG-01	180	6010
			HCO3	<1.0	ppm	DC	02-AUG-01	14	310.1
			K	<2.0	ppm	EH	28-AUG-01	180	6010
			MG	<1.0	ppm	EH	28-AUG-01	180	6010
			NA	<2.0	ppm	EH	28-AUG-01	180	6010
			NO2/NO3	<0.050	ppm	JN	17-AUG-01	28	353.2
			PB	<0.003	ppm	MF	30-AUG-01	180	6020
			PB(D)	<0.003	ppm	MF	30-AUG-01	180	6020
			PH	5.5	pH	DC	02-AUG-01	150.1	
			SE	<0.005	ppm	MF	30-AUG-01	180	6020
			SE(D)	<0.005	ppm	MF	30-AUG-01	180	6020
			SO4=	<2.0	ppm	JN	16-AUG-01	28	9036
			TDS	<10.	ppm	BD	01-AUG-01	7	160.1
			TSS	<1.0	ppm	BD	01-AUG-01	160.2	
			ZN	<0.020	ppm	MF	30-AUG-01	180	6020
			ZN(D)	<0.020	ppm	MF	30-AUG-01	180	6020

PH is a field parameter therefore holding time cannot be met by the laboratory.
Digestion Methods for totals --- 3010 and 6020.

Approved

Reviewer

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: WG010848

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
WG010848-1		Matrix Spike							
			AS	101	%Recovery	MF	30-AUG-01	6020	
			AS (D)	100	%Recovery	MF	30-AUG-01	6020	
			CD	94	%Recovery	MF	30-AUG-01	6020	
			CD (D)	93	%Recovery	MF	30-AUG-01	6020	
			CL-	110	%Recovery	JN	20-AUG-01	325.2	
			CR	93	%Recovery	MF	30-AUG-01	6020	
			CR (D)	95	%Recovery	MF	30-AUG-01	6020	
			CU	86	%Recovery	MF	30-AUG-01	6020	
			CU (D)	90	%Recovery	MF	30-AUG-01	6020	
			F-	102	%Recovery	EH	02-AUG-01	340.2	
			FE	95	%Recovery	EH	28-AUG-01	6010	
			FE (D)	96	%Recovery	EH	28-AUG-01	6010	
			NO2/NO3	101	%Recovery	JN	17-AUG-01	353.2	
			PB	92	%Recovery	MF	30-AUG-01	6020	
			PB (D)	98	%Recovery	MF	30-AUG-01	6020	
			SE	100	%Recovery	MF	30-AUG-01	6020	
			SE (D)	101	%Recovery	MF	30-AUG-01	6020	
			SO4=	97	%Recovery	JN	16-AUG-01	9036	
			ZN	72*	%Recovery	MF	30-AUG-01	6020	
			ZN (D)	87	%Recovery	MF	30-AUG-01	6020	
WG010848-2		Prep Blank							
			AS	<0.005	ppm	MF	30-AUG-01	6020	
			AS (D)	<0.005	ppm	MF	30-AUG-01	6020	
			CA	<1.0	ppm	EH	28-AUG-01	6010	
			CD	<0.005	ppm	MF	30-AUG-01	6020	
			CD (D)	<0.005	ppm	MF	30-AUG-01	6020	
			CL-	<1.0	ppm	JN	20-AUG-01	325.2	
			CO3	<1.0	ppm	DC	02-AUG-01	310.1	
			COND.	<5.0	umhos/cm2	EH	03-AUG-01	120.1	
			CR	<0.010	ppm	MF	30-AUG-01	6020	
			CR (D)	<0.010	ppm	MF	30-AUG-01	6020	
			CU	<0.025	ppm	MF	30-AUG-01	6020	
			CU (D)	<0.025	ppm	MF	30-AUG-01	6020	
			F-	<0.050	ppm	EH	02-AUG-01	340.2	
			FE	<0.10	ppm	EH	28-AUG-01	6010	
			FE (D)	<0.10	ppm	EH	28-AUG-01	6010	
			HCO3	<1.0	ppm	DC	02-AUG-01	310.1	
			K	<2.0	ppm	EH	28-AUG-01	6010	
			MG	<1.0	ppm	EH	28-AUG-01	6010	

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: WG010848

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	FOLD	FIELD METHOD
WG010848-2		Prep Blank	NA	<2.0	ppm	EH	28-AUG-01		6010
			NO2/NO3	<0.050	ppm	JN	17-AUG-01		353.2
			PB	<0.003	ppm	MF	30-AUG-01		6020
			PB (D)	<0.003	ppm	MF	30-AUG-01		6020
			SE	<0.005	ppm	MF	30-AUG-01		6020
			SE (D)	<0.005	ppm	MF	30-AUG-01		6020
			SO4=	<2.0	ppm	JN	16-AUG-01		9036
			TDS	<10.	ppm	BD	01-AUG-01		160.1
			TSS	<1.0	ppm	BD	01-AUG-01		160.2
			ZN	<0.020	ppm	MF	30-AUG-01		6020
			ZN (D)	<0.020	ppm	MF	30-AUG-01		6020
			AS	109	%Recovery	MF	30-AUG-01		6020
			AS (D)	101	%Recovery	MF	30-AUG-01		6020
			CA	95	%Recovery	EH	28-AUG-01		6010
			CD	107	%Recovery	MF	30-AUG-01		6020
			CD (D)	101	%Recovery	MF	30-AUG-01		6020
WG010848-3		Lab Control Sample	CU-	99	%Recovery	JN	20-AUG-01		325.2
			COND.	100	%Recovery	EH	03-AUG-01		120.1
			CR	94	%Recovery	MF	30-AUG-01		6020
			CR (D)	95	%Recovery	MF	30-AUG-01		6020
			CU	97	%Recovery	MF	30-AUG-01		6020
			CU (D)	98	%Recovery	MF	30-AUG-01		6020
			F-	97	%Recovery	EH	02-AUG-01		340.2
			FE	98	%Recovery	EH	28-AUG-01		6010
			FE (D)	98	%Recovery	EH	28-AUG-01		6010
			HCO3	100	%Recovery	DC	02-AUG-01		310.1
			K	98	%Recovery	EH	28-AUG-01		6010
			MG	95	%Recovery	EH	28-AUG-01		6010
			NA	103	%Recovery	EH	28-AUG-01		6010
			NO2/NO3	100	%Recovery	JN	17-AUG-01		353.2
			PB	100	%Recovery	MF	30-AUG-01		6020
			PB (D)	102	%Recovery	MF	30-AUG-01		6020
			SE	123	%Recovery	MF	30-AUG-01		6020
			SE (D)	103	%Recovery	MF	30-AUG-01		6020
			SO4=	108.	%Recovery	JN	16-AUG-01		9036
			TDS	97	%Recovery	BD	01-AUG-01		160.1
			TSS	100	%Recovery	BD	01-AUG-01		160.2
			ZN	117	%Recovery	MF	30-AUG-01		6020

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: WG010848

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD
WG010848-3		Lab Control Sample	ZN(D)	98	% Recovery	MF	30-AUG-01	6020
WG010848-4		Duplicate	CL-	3.2	% RPD	JN	20-AUG-01	325.2
			CO3	<1	% RPD	DC	02-AUG-01	310.1
			COND.	<1	% RPD	EH	03-AUG-01	120.1
			F-	<1	% RPD	EH	02-AUG-01	340.2
			HCO3	<1	% RPD	DC	02-AUG-01	310.1
			NO2/NO3	1.5	% RPD	JN	17-AUG-01	353.2
			SG4=	7.8	% RPD	JN	16-AUG-01	9036
			TDS	<1	% RPD	BD	01-AUG-01	160.1
			TSS	<1	% RPD	BD	01-AUG-01	160.2
WG010848-5		Matrix Spike Duplicate	AS	<1	% RPD	MF	30-AUG-01	6020
			AS(D)	<1	% RPD	MF	30-AUG-01	6020
			CA	<1	% RPD	EH	28-AUG-01	6010
			CD	<1	% RPD	MF	30-AUG-01	6020
			CD(D)	<1	% RPD	MF	30-AUG-01	6020
			CR	<1	% RPD	MF	30-AUG-01	6020
			CR(D)	2.3	% RPD	MF	30-AUG-01	6020
			CU	1.2	% RPD	MF	30-AUG-01	6020
			CU(D)	1.5	% RPD	MF	30-AUG-01	6020
			FE	<1	% RPD	EH	28-AUG-01	6010
			FE(D)	<1	% RPD	EH	28-AUG-01	6010
			K	<1	% RPD	EH	28-AUG-01	6010
			MG	<1	% RPD	EH	28-AUG-01	6010
			NA	1.8	% RPD	EH	28-AUG-01	6010
			PB	<1	% RPD	MF	30-AUG-01	6020
			PB(D)	<1	% RPD	MF	30-AUG-01	6020
			SE	<1	% RPD	MF	30-AUG-01	6020
			SE(D)	2.8	% RPD	MF	30-AUG-01	6020
			ZN	2.2	% RPD	MF	30-AUG-01	6020
			ZN(D)	<1	% RPD	MF	30-AUG-01	6020
WG010848-6		Reporting Limit	AS	0.005	ppm			6020
			AS(D)	0.005	ppm			6020
			CA	1.0	ppm			6010
			CD	0.005	ppm			6020
			CD(D)	0.005	ppm			6020
			CL-	1.0	ppm			325.2

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: WG010848

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
WG010848-6		Reporting Limit	CO3	1.0	ppm CaCO3				310.1
			COND.	5.0	umhos/cm2				120.1
			CR	0.010	ppm				6020
			CR (D)	0.010	ppm				6020
			CU	0.025	ppm				6020
			CU (D)	0.025	ppm				6020
			F-	0.050	ppm				340.2
			FE	0.10	ppm				6010
			FE (D)	0.10	ppm				6010
			HCO3	1.0	ppm CaCO3				310.1
			K	2.0	ppm				6010
			MG	1.0	ppm				6010
			NA	2.0	ppm				6010
			NO2/NO3	0.050	ppm				353.2
			PB	0.003	ppm				6020
			PB (D)	0.003	ppm				6020
			SE	0.005	ppm				6020
			SE (D)	0.005	ppm				6020
			SO4=	2.0	ppm				9036
			TDS	10.	ppm	BD	01-AUG-01		160.1
			TSS	1.0	ppm				160.2
			ZN	0.020	ppm				6020
			ZN (D)	0.020	ppm				6020
WG010848-7		Matrix Spike	AS	91	%Recovery	EH	28-AUG-01		6010
			AS (D)	95	%Recovery	EH	28-AUG-01		6010
WG010848-8		Prep Blank	AS	<0.020	ppm	EH	28-AUG-01		6010
			AS (D)	<0.020	ppm	EH	28-AUG-01		6010
WG010848-9		Lab Control Sample	AS	93	%Recovery	EH	28-AUG-01		6010
			AS (D)	95	%Recovery	EH	28-AUG-01		6010
WG010848-11		Matrix Spike Duplicate	AS	<1	% RPD	EH	28-AUG-01		6010
			AS (D)	<1	% RPD	EH	28-AUG-01		6010

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT


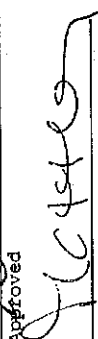
El Paso

Water and Solid Waste (Project 3220)

Batch No: WG010848

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
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* = low spike recovery due to matrix interference.


 Approved

 Reviewer

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Signature

CHAIN OF CUSTODY RECORD

3275 W. Ina Rd., Ste. 205 • Tucson, AZ 85741 • (520) 544-3150 • FAX (520) 544-3190
P.O. Box 220182, El Paso, TX 79913 • (915) 532-3489 • FAX (915) 532-4897

PROJ. NO.		PROJECT NAME		NO. OF CONTAINERS		ANALYSIS							REMARK
1246-V2		ASARCO - EL PASO.				Commons UF/RAW	Nutrients UF/H ₂ SO ₄	Diss. Metal F/HNO ₃	CN UF/NaOH	Total Metals UF/HNO ₃	Total Recoverable Metals UF/HNO ₃	BTEX	
DATE	TIME	GRAB	COMP	SAMPLE NUMBER									
7/25/01	12:10			EPR1-0108-246		X	X	X	X	X			
7/26/01	11:11			EPR1-0108-247		X	X	X	X	X			
7/26/01	12:30			EPR1-0108-248		X	X	X	X	X			
7/26/01	10:10			EPR1-0108-249		X	X	X	X	X			
7/27/01	14:30			EPR1-0108-250		X	X	X	X	X			
/													

Relinquished (Signature)	Date/Time	Received by: (Signature)	Lab	P.O. #	Shipped via: Bus, Fed Ex, UPS Other
<i>[Signature]</i>	7/30/01 16:30		TSC, SLC, UT		
Relinquished (Signature)	Date/Time	Received by: (Signature)	Remarks		
Relinquished (Signature)	Date/Time	Received for Laboratory by: (Signature)	Date/Time		
		<i>[Signature]</i>	7-31-01 1030		

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L01122

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DAYS ANALYZED	HOLD DAYS	METHOD
L01122-001	30-JUL-01	EPRI-108-133	AS	0.005	ppm	MF	05-SEP-01	180	6020
			AS(D)	0.006	ppm	MF	05-SEP-01	180	6020
			CA	255.	ppm	EH	28-AUG-01	180	6010
			CD	<0.005	ppm	MF	05-SEP-01	180	6020
			CD(D)	<0.005	ppm	MF	05-SEP-01	180	6020
			CL-	515.	ppm	JN	21-AUG-01	28	325.2
			CO3	<1.0	ppm CaCO3	DC	07-AUG-01		310.1
			COND.	6090.	umhos/cm2	BD	08-AUG-01	28	120.1
			CR	<0.010	ppm	MF	05-SEP-01	180	6020
			CR(D)	<0.010	ppm	MF	05-SEP-01	180	6020
			CU	<0.025	ppm	MF	05-SEP-01		6020
			CU(D)	<0.025	ppm	MF	05-SEP-01	14	6020
			F-	2.2	ppm	EH	07-AUG-01	28	340.2
			FE	0.35	ppm	EH	29-AUG-01	180	6010
			FE(D)	<0.10	ppm	EH	28-AUG-01	180	6010
			HCO3	401.	ppm CaCO3	DC	07-AUG-01	14	310.1
			K	21.	ppm	EH	28-AUG-01	180	6010
			MG	109.	ppm	EH	28-AUG-01	180	6010
			NA	1077.	ppm	JN	24-AUG-01	28	353.2
			NO2/NO3	19.	ppm	MF	05-SEP-01	180	6020
			PB	<0.003	ppm	MF	10-SEP-01	180	6020
			PB(D)	<0.003	ppm	MF	07-AUG-01		150.1
			PH	7.6	pH	DC	07-AUG-01	180	6020
			SE	0.25	ppm	MF	05-SEP-01	180	6020
			SE(D)	0.26	ppm	MF	05-SEP-01	180	6020
			SO4=	2281.	ppm	JN	23-AUG-01	28	9036
			TDS	4754.	ppm	BD	06-AUG-01	7	160.1
			TSS	10.	ppm	BD	06-AUG-01		160.2
			ZN	<0.020	ppm	MF	05-SEP-01	180	6020
			ZN(D)	<0.020	ppm	MF	05-SEP-01	180	6020
L01122-002	30-JUL-01	EPRI-108-251	AS	0.005	ppm	MF	05-SEP-01	180	6020
			AS(D)	0.005	ppm	MF	05-SEP-01	180	6020
			CA	257.	ppm	EH	28-AUG-01	180	6010
			CD	<0.005	ppm	MF	05-SEP-01	180	6020
			CD(D)	<0.005	ppm	MF	05-SEP-01	180	6020
			CL-	499.	ppm CaCO3	JN	21-AUG-01	28	325.2
			CO3	<1.0	ppm CaCO3	DC	07-AUG-01		310.1
			COND.	6050.	umhos/cm2	BD	08-AUG-01	28	120.1

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011122

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE HOLD	
							ANALYZED	DAYS METHOD
L011122-002	30-JUL-01	EPRI-108-251	CR	<0.010	ppm	MF	05-SEP-01	180 6020
			CR(D)	<0.010	ppm	MF	05-SEP-01	180 6020
			CU	<0.025	ppm	MF	05-SEP-01	180 6020
			CU(D)	<0.025	ppm	MF	05-SEP-01	14 6020
			F-	2.2	ppm	EH	07-AUG-01	28 340.2
			FE	0.19	ppm	EH	29-AUG-01	180 6010
			FE(D)	<0.10	ppm	EH	28-AUG-01	180 6010
			HCO3	409.	ppm CaCO3	DC	07-AUG-01	14 310.1
			K	22.	ppm	EH	28-AUG-01	180 6010
			MG	111.	ppm	EH	28-AUG-01	180 6010
			NA	1068.	ppm	EH	28-AUG-01	180 6010
			NO2/NO3	19.	ppm	JN	24-AUG-01	28 353.2
			PB	<0.003	ppm	MF	05-SEP-01	180 6020
			PB(D)	<0.003	ppm	MF	05-SEP-01	180 6020
			PH	7.6	PH	DC	07-AUG-01	180 150.1
			SE	0.25	ppm	MF	05-SEP-01	180 6020
			SE(D)	0.26	ppm	MF	05-SEP-01	180 6020
			SO4=	2398.	ppm	JN	23-AUG-01	28 9036
			TDS	4742.	ppm	BD	06-AUG-01	7 160.1
			TSS	12.	ppm	BD	06-AUG-01	160.2
			ZN	<0.020	ppm	MF	05-SEP-01	180 6020
			ZN(D)	0.021	ppm	MF	05-SEP-01	180 6020
L011122-003	30-JUL-01	EPRI-108-129	AS	0.008	ppm	MF	05-SEP-01	180 6020
			AS(D)	0.011	ppm	MF	05-SEP-01	180 6020
			CA	337.	ppm	EH	28-AUG-01	180 6010
			CD	<0.005	ppm	MF	05-SEP-01	180 6020
			CD(D)	<0.005	ppm	MF	05-SEP-01	180 6020
			CL-	748.	ppm	JN	21-AUG-01	28 325.2
			CO3	<1.0	ppm CaCO3	DC	07-AUG-01	310.1
			COND.	7790.	umhos/cm2	BD	08-AUG-01	28 120.1
			CR	0.012	ppm	MF	10-SEP-01	180 6020
			CR(D)	0.014	ppm	MF	10-SEP-01	180 6020
			CU	<0.025	ppm	MF	05-SEP-01	180 6020
			CU(D)	<0.025	ppm	MF	05-SEP-01	14 6020
			F-	1.7	ppm	EH	07-AUG-01	28 340.2
			FE	0.48	ppm	EH	29-AUG-01	180 6010
			FE(D)	0.20	ppm	EH	28-AUG-01	180 6010
			HCO3	414.	ppm CaCO3	DC	07-AUG-01	14 310.1

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011122

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L011122-003	30-JUL-01	EPRI-108-129	K	18.	ppm	EH	28-AUG-01	180	6010
			MG	154.	ppm	EH	28-AUG-01	180	6010
			NA	1390.	ppm	EH	28-AUG-01	180	6010
			NO2/NO3	67.	ppm	JN	24-AUG-01	28	353.2
			PB	<0.003	ppm	MF	05-SEP-01	180	6020
			PB(D)	<0.003	ppm	MF	05-SEP-01	180	6020
			PH	7.5	pH	DC	07-AUG-01	150.1	
			SE	0.29	ppm	MF	05-SEP-01	180	6020
			SE(D)	0.30	ppm	MF	05-SEP-01	180	6020
			SO4=	2974.	ppm	JN	23-AUG-01	28	9036
			TDS	6216.	ppm	BD	06-AUG-01	7	160.1
			TSS	51.8	ppm	BD	06-AUG-01	160.2	
			ZN	<0.020	ppm	MF	05-SEP-01	180	6020
			ZN(D)	<0.020	ppm	MF	05-SEP-01	180	6020
			AS	3.3	ppm	EH	29-AUG-01	180	6010
			AS(D)	3.2	ppm	MF	05-SEP-01	180	6020
			CA	492.	ppm	EH	28-AUG-01	180	6010
			CD	<0.005	ppm	MF	05-SEP-01	180	6020
			CD(D)	<0.005	ppm	MF	05-SEP-01	180	6020
			CL-	974.	ppm	JN	21-AUG-01	28	325.2
L011122-004	30-JUL-01	EPRI-108-126	CO3	<1.0	ppm CaCO3	DC	07-AUG-01	310.1	
			COND.	11080.	umhos/cm2	BD	08-AUG-01	28	120.1
			CR	<0.010	ppm	MF	05-SEP-01	180	6020
			CR(D)	<0.010	ppm	MF	05-SEP-01	180	6020
			CU	<0.025	ppm	MF	05-SEP-01	180	6020
			CU(D)	<0.025	ppm	MF	05-SEP-01	14	6020
			F-	5.0	ppm	EH	07-AUG-01	28	340.2
			FE	2.9	ppm	EH	29-AUG-01	180	6010
			FE(D)	0.98	ppm	EH	28-AUG-01	180	6010
			HCO3	1001.	ppm	DC	07-AUG-01	14	310.1
			K	244.	ppm	EH	28-AUG-01	180	6010
			MG	229.	ppm	EH	28-AUG-01	180	6010
			NA	1764.	ppm	EH	28-AUG-01	180	6010
			NO2/NO3	0.13	ppm	JN	27-AUG-01	28	353.2
			PB	0.008	ppm	MF	05-SEP-01	180	6020
			PB(D)	<0.003	ppm	MF	05-SEP-01	180	6020
			PH	7.3	pH	DC	07-AUG-01	150.1	
			SE	0.10	ppm	MF	05-SEP-01	180	6020

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011122

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	ANALYZED	DATE HOLD	DATA METHOD
L011122-004	30-JUL-01	EPRI-108-126	SE(D)	0.11	ppm	MF	05-SEP-01	180	6020
			SO4=	4275.	ppm	JN	23-AUG-01	28	9036
			TDS	8652.	ppm	BD	06-AUG-01	7	160.1
			TSS	162.	ppm	BD	06-AUG-01		160.2
			ZN	0.034	ppm	MF	05-SEP-01	180	6020
			ZN(D)	0.023	ppm	MF	05-SEP-01	180	6020
			AS	0.38	ppm	EH	29-AUG-01	180	6010
			AS(D)	0.17	ppm	MF	05-SEP-01	180	6020
			CA	203.	ppm	EH	28-AUG-01	180	6010
			CD	<0.005	ppm	MF	05-SEP-01	180	6020
L011122-005	30-JUL-01	EPRI 108-125	CD(D)	<0.005	ppm	MF	05-SEP-01	180	6020
			CL-	495.	ppm	JN	21-AUG-01	28	325.2
			CO3	<1.0	ppm CaCO3	DC	07-AUG-01		310.1
			COND.	5090.	umhos/cm2	BD	08-AUG-01	28	120.1
			CR	<0.010	ppm	MF	05-SEP-01	180	6020
			CR(D)	<0.010	ppm	MF	05-SEP-01	180	6020
			CU	<0.025	ppm	MF	05-SEP-01	180	6020
			CU(D)	<0.025	ppm	MF	05-SEP-01	14	6020
			F-	1.0	ppm	EH	07-AUG-01	28	340.2
			FE	2.4	ppm	EH	29-AUG-01	180	6010
			FE(D)	<0.10	ppm	EH	28-AUG-01	180	6010
			HCO3	1518.	ppm CaCO3	DC	07-AUG-01	14	310.1
			K	21.	ppm	EH	28-AUG-01	180	6010
			MG	152.	ppm	EH	28-AUG-01	180	6010
			NA	858.	ppm	EH	28-AUG-01	180	6010
			NO2/NO3	0.19	ppm	JN	31-AUG-01	28	353.2
			PB	<0.003	ppm	MF	05-SEP-01	180	6020
			PB(D)	<0.003	ppm	MF	10-SEP-01	180	6020
			PH	7.7	pH	DC	07-AUG-01		150.1
			SE	<0.005	ppm	MF	05-SEP-01	180	6020
			SE(D)	<0.005	ppm	MF	05-SEP-01	180	6020
			SO4=	935.	ppm	JN	23-AUG-01	28	9036
			TDS	3715.	ppm	BD	06-AUG-01	7	160.1
			TSS	59.	ppm	BD	06-AUG-01		160.2
			ZN	<0.020	ppm	MF	05-SEP-01	180	6020
			ZN(D)	<0.020	ppm	MF	05-SEP-01	180	6020

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011122

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L011122-006	30-JUL-01	EPRI-108-117	AS	0.44	ppm	EH	29-AUG-01	180	6010
			AS(D)	0.24	ppm	EH	29-AUG-01	180	6010
			CA	248.	ppm	EH	28-AUG-01	180	6010
			CD	<0.005	ppm	MF	05-SEP-01	180	6020
			CD(D)	<0.005	ppm	MF	05-SEP-01	180	6020
			CL-	1927.	ppm	JN	21-AUG-01	28	325.2
			CO3	<1.0	ppm CaCO3	DC	07-AUG-01	310.1	
			COND.	8110.	umhos/cm2	BD	08-AUG-01	28	120.1
			CR	0.031	ppm	MF	05-SEP-01	180	6020
			CR(D)	<0.010	ppm	MF	05-SEP-01	180	6020
			CU	0.026	ppm	MF	05-SEP-01	180	6020
			CU(D)	<0.025	ppm	MF	05-SEP-01	14	6020
			F-	2.2	ppm	EH	07-AUG-01	28	340.2
			FE	1.2	ppm	EH	29-AUG-01	180	6010
			FE(D)	0.24	ppm	EH	28-AUG-01	180	6010
			HCO3	601.	ppm CaCO3	DC	07-AUG-01	14	310.1
			K	39.	ppm	EH	28-AUG-01	180	6010
			MG	116.	ppm	EH	28-AUG-01	180	6010
			NA	1326.	ppm	EH	28-AUG-01	180	6010
			NO2/NO3	0.13	ppm	JN	27-AUG-01	28	353.2
			PB	0.022	ppm	MF	05-SEP-01	180	6020
			PB(D)	0.006	ppm	MF	05-SEP-01	180	6020
			PH	7.4	pH	DC	07-AUG-01	150.1	
			SE	0.041	ppm	MF	05-SEP-01	180	6020
			SE(D)	0.010	ppm	MF	05-SEP-01	180	6020
			SO4=	1509.	ppm	JN	23-AUG-01	28	9036
			TDS	5344.	ppm	BD	06-AUG-01	7	160.1
			TSS	88.	ppm	BD	06-AUG-01	160.2	
			ZN	0.050	ppm	MF	05-SEP-01	180	6020
			ZN(D)	0.028	ppm	MF	05-SEP-01	180	6020
L011122-007	30-JUL-01	EPRI-108-104	AS	0.96	ppm	EH	29-AUG-01	180	6010
			AS(D)	0.71	ppm	MF	05-SEP-01	180	6020
			CA	310.	ppm	EH	28-AUG-01	180	6010
			CD	<0.005	ppm	MF	05-SEP-01	180	6020
			CD(D)	<0.005	ppm	MF	05-SEP-01	180	6020
			CL-	562.	ppm	JN	21-AUG-01	28	325.2
			CO3	<1.0	ppm CaCO3	DC	07-AUG-01	310.1	
			COND.	5810.	umhos/cm2	BD	08-AUG-01	28	120.1

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011122

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE HOLD
L011122-007	30-JUL-01	EPRI-108-104	CR	<0.010	ppm	MF	05-SEP-01 180 6020
			CR(D)	<0.010	ppm	MF	05-SEP-01 180 6020
			CU	<0.025	ppm	MF	05-SEP-01 180 6020
			CU(D)	<0.025	ppm	MF	05-SEP-01 14 6020
			F-	1.2	ppm	EH	07-AUG-01 28 340.2
			FE	2.5	ppm	EH	29-AUG-01 180 6010
			FE(D)	0.47	ppm	EH	28-AUG-01 180 6010
			HCO3	650	ppm CaCO3	DC	07-AUG-01 14 310.1
			K	16	ppm	EH	28-AUG-01 180 6010
			MG	115	ppm	EH	28-AUG-01 180 6010
			NA	989	ppm	EH	28-AUG-01 180 6010
			NO2/NO3	16	ppm	JN	24-AUG-01 28 353.2
			PB	0.010	ppm	MF	05-SEP-01 180 6020
			PB(D)	0.003	ppm	MF	05-SEP-01 180 6020
			PH	7.6	pH	DC	07-AUG-01 150.1
			SE	0.097	ppm	MF	05-SEP-01 180 6020
			SE(D)	0.032	ppm	MF	05-SEP-01 180 6020
			SO4	2085	ppm	JN	23-AUG-01 28 9036
			TDS	4490	ppm	BD	06-AUG-01 7 160.1
			TSS	154	ppm	BD	06-AUG-01 160.2
			ZN	0.024	ppm	MF	05-SEP-01 180 6020
			ZN(D)	<0.020	ppm	MF	05-SEP-01 180 6020
			AS	<0.005	ppm	MF	05-SEP-01 180 6020
			AS(D)	<0.005	ppm	MF	05-SEP-01 180 6020
			CA	<1.0	ppm	EH	28-AUG-01 180 6010
			CD	<0.005	ppm	MF	05-SEP-01 180 6020
			CD(D)	<0.005	ppm	MF	05-SEP-01 180 6020
			CL	<1.0	ppm	JN	21-AUG-01 28 325.2
			CO3	<1.0	ppm CaCO3	DC	07-AUG-01 310.1
			COND	<5.0	umhos/cm2	BD	08-AUG-01 28 120.1
			CR	<0.010	ppm	MF	05-SEP-01 180 6020
			CR(D)	<0.010	ppm	MF	05-SEP-01 180 6020
			CU	<0.025	ppm	MF	05-SEP-01 6020
			CU(D)	<0.025	ppm	MF	05-SEP-01 14 6020
			F-	<0.050	ppm	EH	07-AUG-01 28 340.2
			FE	<0.10	ppm	EH	29-AUG-01 180 6010
			FE(D)	<0.10	ppm	EH	28-AUG-01 180 6010
			HCO3	<1.0	ppm CaCO3	DC	07-AUG-01 14 310.1
L011122-008	31-JUL-01	EPRI-108-252	AS	<0.005	ppm	MF	05-SEP-01 180 6020
			AS(D)	<0.005	ppm	MF	05-SEP-01 180 6020
			CA	<1.0	ppm	EH	28-AUG-01 180 6010
			CD	<0.005	ppm	MF	05-SEP-01 180 6020
			CD(D)	<0.005	ppm	MF	05-SEP-01 180 6020
			CL	<1.0	ppm	JN	21-AUG-01 28 325.2
			CO3	<1.0	ppm CaCO3	DC	07-AUG-01 310.1
			COND	<5.0	umhos/cm2	BD	08-AUG-01 28 120.1
			CR	<0.010	ppm	MF	05-SEP-01 180 6020
			CR(D)	<0.010	ppm	MF	05-SEP-01 180 6020
			CU	<0.025	ppm	MF	05-SEP-01 6020
			CU(D)	<0.025	ppm	MF	05-SEP-01 14 6020
			F-	<0.050	ppm	EH	07-AUG-01 28 340.2
			FE	<0.10	ppm	EH	29-AUG-01 180 6010
			FE(D)	<0.10	ppm	EH	28-AUG-01 180 6010
			HCO3	<1.0	ppm CaCO3	DC	07-AUG-01 14 310.1

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011122

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L011122-008	31-JUL-01	EPRI-108-252	K	<2.0	ppm	EH	28-AUG-01	180	6010
			MG	<1.0	ppm	EH	28-AUG-01	180	6010
			NA	<2.0	ppm	EH	28-AUG-01	180	6010
			NO2/NO3	<0.050	ppm	JN	27-AUG-01	28	353.2
			PB	<0.003	ppm	MF	05-SEP-01	180	6020
			PB(D)	<0.003	ppm	MF	05-SEP-01	180	6020
			PH	5.6	pH	DC	07-AUG-01		150.1
			SE	<0.005	ppm	MF	05-SEP-01	180	6020
			SE(D)	<0.005	ppm	MF	05-SEP-01	180	6020
			SO4=	<2.0	ppm	JN	23-AUG-01	28	9036
			TDS	<10.	ppm	BD	06-AUG-01	7	160.1
			TSS	<1.0	ppm	BD	06-AUG-01		160.2
			ZN	<0.020	ppm	MF	05-SEP-01	180	6020
			ZN(D)	<0.020	ppm	MF	05-SEP-01	180	6020
			AS	<0.005	ppm	MF	05-SEP-01	180	6020
			AS(D)	<0.005	ppm	MF	05-SEP-01	180	6020
			CA	208.	ppm	EH	28-AUG-01	180	6010
			CD	<0.005	ppm	MF	05-SEP-01	180	6020
			CD(D)	<0.005	ppm	MF	05-SEP-01	180	6020
			CL-	781.	ppm	JN	21-AUG-01	28	325.2
L011122-009	31-JUL-01	EPRI-108-209	CO3	<1.0	ppm CaCO3	DC	07-AUG-01		310.1
			COND.	5600.	umhos/cm2	BD	08-AUG-01	28	120.1
			CR	<0.010	ppm	MF	05-SEP-01	180	6020
			CR(D)	<0.010	ppm	MF	05-SEP-01	180	6020
			CU	<0.025	ppm	MF	05-SEP-01	180	6020
			CU(D)	<0.025	ppm	MF	05-SEP-01	180	6020
			F-	0.80	ppm	MF	05-SEP-01	14	6020
			FE	2.4	ppm	EH	07-AUG-01	28	340.2
			FE(D)	0.54	ppm	EH	29-AUG-01	180	6010
			HCO3	181.	ppm	EH	28-AUG-01	180	6010
			K	29.	ppm CaCO3	DC	07-AUG-01	14	310.1
			MG	121.	ppm	EH	28-AUG-01	180	6010
			NA	914.	ppm	EH	28-AUG-01	180	6010
			NO2/NO3	0.27	ppm	JN	31-AUG-01	28	353.2
			PB	0.008	ppm	MF	05-SEP-01	180	6020
			PB(D)	<0.003	ppm	MF	05-SEP-01	180	6020
			PH	7.8	pH	DC	07-AUG-01		150.1
			SE	<0.005	ppm	MF	05-SEP-01	180	6020

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011122

LAS NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DATE	METHOD
L011122-009	31-JUL-01	EPRI-108-209	SE(D)	<0.005	ppm	MF	05-SEP-01	180	6020
			SO4=	2043	ppm	JN	23-AUG-01	28	9036
			TDS	4154	ppm	BD	06-AUG-01	7	160.1
			TSS	15	ppm	BD	06-AUG-01	7	160.2
			ZN	0.026	ppm	MF	05-SEP-01	180	6020
			ZN(D)	<0.020	ppm	MF	05-SEP-01	180	6020
			AS	<0.005	ppm	MF	05-SEP-01	180	6020
			AS(D)	<0.005	ppm	MF	05-SEP-01	180	6020
			CA	212	ppm	EH	28-AUG-01	180	6010
			CD	<0.005	ppm	MF	05-SEP-01	180	6020
L011122-010	31-JUL-01	EPRI-108-253	CD(D)	<0.005	ppm	MF	05-SEP-01	180	6020
			CL-	726	ppm	JN	21-AUG-01	28	325.2
			CO3	<1.0	ppm CaCO3	DC	07-AUG-01	14	310.1
			COND.	5620	umhos/cm2	BD	08-AUG-01	28	120.1
			CR	<0.010	ppm	MF	05-SEP-01	180	6020
			CR(D)	<0.010	ppm	MF	05-SEP-01	180	6020
			CU	<0.025	ppm	MF	05-SEP-01	14	6020
			CU(D)	<0.025	ppm	MF	05-SEP-01	14	6020
			F-	0.82	ppm	EH	07-AUG-01	28	340.2
			FE	2.6	ppm	EH	29-AUG-01	180	6010
			FE(D)	0.56	ppm	EH	28-AUG-01	180	6010
			HCO3	175	ppm CaCO3	DC	07-AUG-01	14	310.1
			K	30	ppm	EH	28-AUG-01	180	6010
			MG	123	ppm	EH	28-AUG-01	180	6010
			NA	902	ppm	EH	28-AUG-01	180	6010
			NO2/NO3	0.31	ppm	JN	31-AUG-01	28	353.2
			PB	0.009	ppm	MF	05-SEP-01	180	6020
			PB(D)	<0.003	ppm	MF	05-SEP-01	180	6020
			PH	7.8	pH	DC	07-AUG-01	14	150.1
			SE	<0.005	ppm	MF	05-SEP-01	180	6020
			SE(D)	<0.005	ppm	MF	05-SEP-01	180	6020
L011122-011	31-JUL-01	EPRI-108-253	SO4=	2027	ppm	JN	23-AUG-01	28	9036
			TDS	4188	ppm	BD	06-AUG-01	7	160.1
			TSS	17	ppm	BD	06-AUG-01	7	160.2
			ZN	0.025	ppm	MF	05-SEP-01	180	6020
			ZN(D)	<0.020	ppm	MF	05-SEP-01	180	6020

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011122

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L011122-011	31-JUL-01	EPRI-108-203	AS	0.005	ppm	MF	05-SEP-01	180	6020
			AS(D)	0.006	ppm	MF	05-SEP-01	180	6020
			CA	69.	ppm	EH	28-AUG-01	180	6010
			CD	<0.005	ppm	MF	05-SEP-01	180	6020
			CD(D)	<0.005	ppm	MF	05-SEP-01	180	6020
			CL-	110.	ppm	JN	21-AUG-01	28	325.2
			CO3	<1.0	ppm CaCO3	JN	07-AUG-01	310.1	
			COND.	1143.	umhos/cm2	BD	08-AUG-01	28	120.1
			CR	<0.010	ppm	MF	05-SEP-01	180	6020
			CR(D)	<0.010	ppm	MF	05-SEP-01	180	6020
			CU	<0.025	ppm	MF	05-SEP-01	6020	
			CU(D)	<0.025	ppm	MF	05-SEP-01	14	6020
			F-	0.72	ppm	EH	07-AUG-01	28	340.2
			FE	<0.10	ppm	EH	29-AUG-01	180	6010
			FE(D)	1.3	ppm	EH	28-AUG-01	180	6010
			HCO3	176.	ppm CaCO3	DC	07-AUG-01	14	310.1
			K	8.6	ppm	EH	28-AUG-01	180	6010
			MG	17.	ppm	EH	28-AUG-01	180	6010
			NA	145.	ppm	EH	28-AUG-01	180	6010
			NO2/NO3	0.85	ppm	JN	27-AUG-01	28	353.2
			PB	<0.003	ppm	MF	05-SEP-01	180	6020
			PB(D)	0.003	ppm	MF	05-SEP-01	180	6020
			PH	8.2	pH	DC	07-AUG-01	150.1	
			SE	<0.005	ppm	MF	05-SEP-01	180	6020
			SE(D)	<0.005	ppm	MF	05-SEP-01	180	6020
			SO4=	245.	ppm	JN	23-AUG-01	28	9036
			TDS	750.	ppm	BD	06-AUG-01	7	160.1
			TSS	158.	ppm	BD	06-AUG-01	160.2	
			ZN	<0.020	ppm	MF	05-SEP-01	180	6020
			ZN(D)	<0.020	ppm	MF	05-SEP-01	180	6020
L011122-012	31-JUL-01	EPRI-108-202	AS	<0.005	ppm	MF	05-SEP-01	180	6020
			AS(D)	<0.005	ppm	MF	05-SEP-01	180	6020
			CA	61.	ppm	EH	28-AUG-01	180	6010
			CD	<0.005	ppm	MF	05-SEP-01	180	6020
			CD(D)	<0.005	ppm	MF	05-SEP-01	180	6020
			CL-	103.	ppm	JN	21-AUG-01	28	325.2
			CO3	<1.0	ppm CaCO3	DC	07-AUG-01	310.1	
			COND.	1045.	umhos/cm2	BD	08-AUG-01	28	120.1

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011122

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L011122-012	31-JUL-01	EPRI-108-202	CR	<0.010	ppm	MF	05-SEP-01	180	6020
			CR (D)	<0.010	ppm	MF	05-SEP-01	180	6020
			CU	<0.025	ppm	MF	05-SEP-01	14	6020
			CU (D)	<0.025	ppm	MF	07-AUG-01	28	340.2
			F-	0.67	ppm	EH	29-AUG-01	180	6010
			FE	2.8	ppm	EH	28-AUG-01	180	6010
			FE (D)	<0.10	ppm	EH	07-AUG-01	14	310.1
			HCO3	170.	ppm	DC	28-AUG-01	180	6010
			K	7.7	ppm	EH	28-AUG-01	180	6010
			MG	16.	ppm	EH	28-AUG-01	180	6010
			NA	128.	ppm	EH	28-AUG-01	180	6010
			NO2/NO3	0.21	ppm	JN	27-AUG-01	28	353.2
			PB	0.003	ppm	MF	05-SEP-01	180	6020
			PB (D)	<0.003	ppm	MF	05-SEP-01	180	6020
			PH	8.2	PH	DC	07-AUG-01	150.1	
			SE	<0.005	ppm	MF	05-SEP-01	180	6020
			SE (D)	<0.005	ppm	MF	05-SEP-01	180	6020
			SO4=	199.	ppm	JN	23-AUG-01	28	9036
			TDS	660.	ppm	BD	06-AUG-01	7	160.1
			TSS	166.	ppm	BD	06-AUG-01	160.2	
			ZN	<0.020	ppm	MF	05-SEP-01	180	6020
			ZN (D)	<0.020	ppm	MF	05-SEP-01	180	6020
L011122-013	31-JUL-01	EPRI-108-197	AS	<0.005	ppm	MF	05-SEP-01	180	6020
			AS (D)	<0.005	ppm	MF	05-SEP-01	180	6020
			CA	60.	ppm	EH	28-AUG-01	180	6010
			CD	<0.005	ppm	MF	05-SEP-01	180	6020
			CD (D)	<0.005	ppm	MF	05-SEP-01	180	6020
			CL-	105.	ppm	JN	21-AUG-01	28	325.2
			CO3	<1.0	ppm	DC	07-AUG-01	310.1	
			COND.	1046.	umhos/cm2	BD	08-AUG-01	28	120.1
			CR	<0.010	ppm	MF	05-SEP-01	180	6020
			CR (D)	<0.010	ppm	MF	05-SEP-01	180	6020
			CU	<0.025	ppm	MF	05-SEP-01	14	6020
			CU (D)	<0.025	ppm	MF	05-SEP-01	14	6020
			F-	0.70	ppm	EH	07-AUG-01	28	340.2
			FE	2.4	ppm	EH	29-AUG-01	180	6010
			FE (D)	<0.10	ppm	EH	28-AUG-01	180	6010
			HCO3	169.	ppm	DC	07-AUG-01	14	310.1
					ppm	CaCO3			
					ppm				
					ppm				

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011122

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE		HOLD
							ANALYZED	DAYS	
L011122-013	31-JUL-01	EPRI-108-197	K	7.5	ppm	EH	28-AUG-01	180	6010
			MG	15.	ppm	EH	28-AUG-01	180	6010
			NA	125.	ppm	EH	28-AUG-01	180	6010
			NO2/NO3	0.34	ppm	JN	27-AUG-01	28	353.2
			PB	0.004	ppm	MF	05-SEP-01	180	6020
			PB(D)	<0.003	ppm	MF	05-SEP-01	180	6020
			PH	8.2	pH	DC	07-AUG-01	150.1	
			SE	<0.005	ppm	MF	05-SEP-01	180	6020
			SE(D)	<0.005	ppm	MF	05-SEP-01	180	6020
			SO4=	217.	ppm	JN	23-AUG-01	28	9036
			TDS	674.	ppm	BD	06-AUG-01	7	160.1
			TSS	153.	ppm	BD	06-AUG-01	160.2	
			ZN	0.024	ppm	MF	05-SEP-01	180	6020
			ZN(D)	<0.020	ppm	MF	05-SEP-01	180	6020
			AS	<0.005	ppm	MF	05-SEP-01	180	6020
			AS(D)	<0.005	ppm	MF	05-SEP-01	180	6020
			CA	61.	ppm	EH	28-AUG-01	180	6010
			CD	<0.005	ppm	MF	05-SEP-01	180	6020
			CD(D)	<0.005	ppm	MF	05-SEP-01	180	6020
			CL-	100.	ppm	JN	21-AUG-01	28	325.2
L011122-014	31-JUL-01	EPRI-108-254	CO3	<1.0	ppm CaCO3	DC	07-AUG-01	310.1	
			COND.	1045.	umhos/cm2	BD	08-AUG-01	28	120.1
			CR	<0.010	ppm	MF	05-SEP-01	180	6020
			CR(D)	<0.010	ppm	MF	05-SEP-01	180	6020
			CU	<0.025	ppm	MF	05-SEP-01	180	6020
			CU(D)	<0.025	ppm	MF	05-SEP-01	14	6020
			F-	0.71	ppm	MF	05-SEP-01	14	6020
			FE	2.4	ppm	EH	07-AUG-01	28	340.2
			FE(D)	<0.10	ppm	EH	29-AUG-01	180	6010
			HCO3	176.	ppm	EH	28-AUG-01	180	6010
			K	8.3	ppm CaCO3	DC	07-AUG-01	14	310.1
			MG	16.	ppm	EH	28-AUG-01	180	6010
			NA	130.	ppm	EH	28-AUG-01	180	6010
			NO2/NO3	0.32	ppm	JN	27-AUG-01	28	353.2
			PB	0.004	ppm	MF	05-SEP-01	180	6020
			PB(D)	<0.003	ppm	MF	05-SEP-01	180	6020
			PH	8.3	pH	DC	07-AUG-01	180	150.1
			SE	<0.005	ppm	MF	05-SEP-01	180	6020

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011122

LAB NO	DATE COMPLETED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DATE
L011122-014	31-JUL-01	EPRI-108-254	SE(D)	<0.005	ppm	MF	05-SEP-01	180 6020
			SO4=	210.	ppm	JN	23-AUG-01	28 9036
			TDS	664.	ppm	BD	06-AUG-01	7 160.1
			TSS	155.	ppm	BD	06-AUG-01	160.2
			ZN	0.028	ppm	MF	05-SEP-01	180 6020
			ZN(D)	<0.020	ppm	MF	05-SEP-01	180 6020
			AS	0.006	ppm	MF	05-SEP-01	180 6020
			AS(D)	0.005	ppm	MF	05-SEP-01	180 6020
			CA	61.	ppm	EH	28-AUG-01	180 6010
			CD	<0.005	ppm	MF	05-SEP-01	180 6020
			CD(D)	<0.005	ppm	MF	05-SEP-01	180 6020
			CL-	110.	ppm	JN	21-AUG-01	28 325.2
L011122-015	31-JUL-01	EPRI-108-200	CO3	<1.0	ppm CaCO3	DC	07-AUG-01	310.1
			COND.	1047.	umhos/cm2	BD	08-AUG-01	28 120.1
			CR	<0.010	ppm	MF	05-SEP-01	180 6020
			CR(D)	<0.010	ppm	MF	05-SEP-01	180 6020
			CU	<0.025	ppm	MF	05-SEP-01	180 6020
			CU(D)	<0.025	ppm	MF	05-SEP-01	180 6020
			F-	0.72	ppm	EH	07-AUG-01	28 340.2
			FE	2.1	ppm	EH	29-AUG-01	180 6010
			FE(D)	<0.10	ppm	EH	28-AUG-01	180 6010
			HCO3	180.	ppm CaCO3	DC	07-AUG-01	14 310.1
			K	7.5	ppm	EH	28-AUG-01	180 6010
			MG	16.	ppm	EH	28-AUG-01	180 6010
			NA	128.	ppm	EH	28-AUG-01	180 6010
			NO2/NO3	0.15	ppm	JN	27-AUG-01	28 353.2
			PB	0.005	ppm	MF	05-SEP-01	180 6020
			PE(D)	<0.003	ppm	MF	05-SEP-01	180 6020
			PH	8.1	pH	DC	07-AUG-01	150.1
			SE	<0.005	ppm	MF	05-SEP-01	180 6020
			SE(D)	<0.005	ppm	MF	05-SEP-01	180 6020
			SO4=	217.	ppm	JN	23-AUG-01	28 9036
			TDS	652.	ppm	BD	06-AUG-01	7 150.1
			TSS	176.	ppm	BD	06-AUG-01	160.2
			ZN	<0.020	ppm	MF	05-SEP-01	180 6020
			ZN(D)	<0.020	ppm	MF	05-SEP-01	180 6020

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L011122

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L011122-016	31-JUL-01	EPRI-108-256	AS	<0.005	ppm	MF	05-SEP-01	180	6020
			AS(D)	<0.005	ppm	MF	05-SEP-01	180	6020
			CA	<1.0	ppm	EH	28-AUG-01	180	6010
			CD	<0.005	ppm	MF	05-SEP-01	180	6020
			CD(D)	<0.005	ppm	MF	05-SEP-01	180	6020
			CL-	<1.0	ppm	JN	21-AUG-01	28	325.2
			CO3	<1.0	ppm CaCO3	DC	07-AUG-01		310.1
			COND.	<5.0	umhos/cm2	BD	08-AUG-01	28	120.1
			CR	<0.010	ppm	MF	05-SEP-01	180	6020
			CR(D)	<0.010	ppm	MF	05-SEP-01	180	6020
			CU	<0.025	ppm	MF	05-SEP-01		6020
			CU(D)	<0.025	ppm	MF	05-SEP-01	14	6020
			F-	<0.050	ppm	EH	07-AUG-01	28	340.2
			FE	<0.10	ppm	EH	29-AUG-01	180	6010
			FE(D)	<0.10	ppm	EH	28-AUG-01	180	6010
			HCO3	<1.0	ppm CaCO3	DC	07-AUG-01	14	310.1
			K	<2.0	ppm	EH	28-AUG-01	180	6010
			MG	<1.0	ppm	EH	28-AUG-01	180	6010
			NA	<2.0	ppm	EH	28-AUG-01	180	6010
			NO2/NO3	<0.050	ppm	JN	27-AUG-01	28	353.2
			PB	<0.003	ppm	MF	05-SEP-01	180	6020
			PB(D)	<0.003	ppm	MF	05-SEP-01	180	6020
			PH	5.5	pH	DC	07-AUG-01		150.1
			SE	<0.005	ppm	MF	05-SEP-01	180	6020
			SE(D)	<0.005	ppm	MF	05-SEP-01	180	6020
			SO4=	<2.0	ppm	JN	23-AUG-01	28	9036
			TDS	<10.	ppm	BD	06-AUG-01	7	160.1
			TSS	<1.0	ppm	BD	06-AUG-01		160.2
			ZN	<0.020	ppm	MF	05-SEP-01	180	6020
			ZN(D)	<0.020	ppm	MF	05-SEP-01	180	6020
L011122-017	31-JUL-01	EPRI-108-192	AS	0.68	ppm	EH	29-AUG-01	180	6010
			AS(D)	0.74	ppm	EH	29-AUG-01	180	6010
			CA	123.	ppm	EH	28-AUG-01	180	6010
			CD	<0.005	ppm	MF	05-SEP-01	180	6020
			CD(D)	<0.005	ppm	MF	05-SEP-01	180	6020
			CL-	649.	ppm	JN	21-AUG-01	28	325.2
			CO3	<1.0	ppm CaCO3	DC	07-AUG-01		310.1
			COND.	5700.	umhos/cm2	BD	08-AUG-01	28	120.1